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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

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Table of Contents
Table des matières

Notices
Avis 1

Canadian Patents Issued
Brevets canadiens délivrés 25

Canadian Applications Open to Public Inspection
Demandes canadiennes mises à la disponibilité du public.....190

PCT Applications Entering the National Phase
Demandes PCT entrant en phase nationale 206

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection
Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant 302

Index of Canadian Patents Issued
Index des brevets canadiens délivrés 315

Index of Canadian Applications Open to Public Inspection
Index des demandes canadiennes mises à la disponibilité du public 345

Index of PCT Applications Entering the National Phase
Index des demandes PCT entrant en phase nationale 348

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection
Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant 366

Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates
All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals
The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates
Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code
Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (**www.wipo.int/scit/en/standards/standards.htm**).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (**www.wipo.int/scit/fr/standards/standards.htm**).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of $1 per page by visiting (**www.strategis.ic.gc.ca/patentsorder**) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	$10
b) plus, for each patent or application to which the request relates	$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	$10

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant notre site Web (**www.strategis.ic.gc.ca/brevetscommande**) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 $
b) pour chaque demande de brevet ou brevet visé par la demande	10 $
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 $
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 $

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 $ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences
Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences
Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act.* Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées
Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires
Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

None

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

Aucun

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After June 3, 2020

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1961***
For each additional sheet over 30	**$22**
3. International Search Fee	**$1600**

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 3 juin 2020

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1961 $***
Pour chaque feuille au delà de 30	**22 $**
3. Taxe de recherche internationale	**1600 $**

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee

50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*)) **$295**

6. Preliminary examination fee (Rule 58) **$800**

* International fees will be reduced by:

- **$295** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$442** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif

50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **295 $**

6. Taxe d'examen préliminaire (Règle 58) **800 $**

* Les frais seront réduits de:

- **295 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **442 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (**publications.mail@wipo.int**) or visit their Web site (**www.wipo.int**).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (**publications.mail@wipo.int**) ou visiter leur site Web (**www.wipo.int**).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais «partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce.*

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

The correspondence procedures and the related practice for written communications to the Commissioner of Patents and the Patent Office under the Patent Act and the Patent Rules is outlined in Chapter 2 of the Manual of Patent Office Practice (MOPOP).

Web Link for MOPOP:
http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html

The correspondence procedures and the related practice of written communications with respect to Trademarks and to Industrial Design can be found in the Practice Notice entitled *Correspondence Procedures*, available on CIPO's website.

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:
https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html

Publication date: May 10, 2017
Amendment date: June 17, 2019

On this page:

1. Physical Delivery of Correspondence and Written Communications to CIPO
2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
4. General Information
5. Time Period Extensions
6. Procedures in Case of an Unexpected Office Closure at CIPO

14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes de communication écrite au commissaire aux brevets ou au Bureau des brevets en vertu de la Loi sur les brevets et des Règles sur les brevets seront exposées dans le chapitre 2 du Recueil des pratiques du Bureau des brevets (RPBB).

Lien Web pour le RPBB :
http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html

Les procédures de correspondance et les pratiques connexes de communication écrite concernant les marques de commerce et les dessins industriels se trouvent dans le document intitulé *Procédures de correspondance*, consultable sur le site Web de l'OPIC.

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :
https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html

Date de publication : 10 mai 2017
Date de modification : 17 juin 2019

Sur cette page :

1. Remise physique de correspondance et communications écrites à l'OPIC.
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Prorogation des délais
6. Procédures en cas de fermeture imprévue des bureaux de l'OPIC

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

This notice is intended to clarify the practice of the Canadian Intellectual Property Office with respect to correspondence procedures and written communications and replaces all previous notices.

Le présent énoncé de pratique a pour but de préciser la pratique de l'Office de la propriété intellectuelle du Canada relativement aux procédures de correspondance et de communications écrites et remplace tout avis antérieur.

1. Physical Delivery of Correspondence and Written Communications to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

In accordance with subsections 5(2), 5(3), 54(1) and 54(2) of the Patent Rules, subsection 10(2) of the Trademarks Regulations, subsections 2(2) and (3) of the Copyright Regulations, subsection 5(1) of the Industrial Design Regulations and subsections 3(2) and (3) of the Integrated Circuit Topography Regulations, correspondence and written communications delivered to the above address between 8:30 a.m. to 4:30 p.m. (Eastern Time) Monday to Friday is deemed to have been received on the actual date of their delivery if they are delivered when CIPO is open to the public.

Correspondence delivered at a time when CIPO is closed to the public will be deemed or considered to have been received on the day on which CIPO is next open to the public.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted

1. Remise physique de correspondance et communications écrites à l'OPIC

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

Conformément aux paragraphes 5(2), 5(3), 54(1) et 54(2) des Règles sur les brevets, du paragraphe 10(2) du Règlement sur les marques de commerce, des paragraphes 2(2) et (3) du Règlement sur le droit d'auteur, du paragraphe 5(1) du Règlement sur les dessins industriels et des paragraphes 3(2) et (3) du Règlement sur les topographies de circuits intégrés, la correspondance et les communications écrites ayant été remises à l'adresse ci-dessus entre 8h30 et 16h30 (Heure de l'Est) du lundi au vendredi seront réputées avoir été reçues le jour de leur remise, si elles sont remises alors que l'OPIC est ouvert au public.

La correspondance remise lorsque les bureaux de l'OPIC sont fermés au public sera réputée avoir été reçue le jour de la réouverture de l'OPIC au public.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, celle-ci ne peut pas être retournée à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet qui ne rencontre pas les exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être

to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

fourni comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

- Innovation, Science and Economic Development Canada
  C.D. Howe Building
  235 Queen Street, Room S-143
  Ottawa ON K1A 0H5
  Tel.: 343-291-3436

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

- Innovation, Science and Economic Development Canada
  Sun Life Building
  1155 Metcalfe Street, Room 950
  Montreal QC H3B 2V6
  Tel.: 514-496-1797
  Toll-free: 1-888-237-3037

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

- Innovation, Science and Economic Development Canada
  151 Yonge Street, 4th Floor
  Toronto ON M5C 2W7
  Tel.: 416-973-5000

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,

1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée** et qu'**aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

- Innovation, Sciences et Développement économique Canada
  Édifice C.D. Howe
  235, rue Queen, pièce S-143
  Ottawa (Ontario) K1A 0H5
  Tél. : 343-291-3436

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  Édifice Sun Life
  1155, rue Metcalfe, bureau 950
  Montréal (Québec) H3B 2V6
  Tél. : 514-496-1797
  Sans frais : 1-888-237-3037

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  151, rue Yonge, 4e étage
  Toronto (Ontario) M5C 2W7
  Tél. : 416-973-5000

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à

except statutory holiday

- Innovation, Science and Economic Development Canada
  Canada Place
  9700 Jasper Avenue, Suite 725
  Edmonton AB T5J 4C3
  Tel.: 780-495-4782
  Toll-free: 1-800-461-2646

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

- Innovation, Science and Economic Development Canada
  Library Square
  300 West Georgia Street, Suite 2000
  Vancouver BC V6B 6E1
  Tel.: 604-666-5000

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  Canada Place
  9700, avenue Jasper, pièce 725
  Edmonton (Alberta) T5J 4C3
  Tél. : 780-495-4782
  Sans frais : 1-800-461-2646

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  Library Square
  300, rue Georgia Ouest, pièce 2000
  Vancouver (C.-B.) V6B 6E1
  Tél. : 604-666-5000

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

In accordance with subsections 5(4), 5(5), 54(3) and 54(4) of the Patent Rules, subsection 10(3) of the Trademarks Regulations, subsections 2(4) and (5) of the Copyright Regulations, subsection 5(2) of the Industrial Design Regulations and subsections 3(4) and (5) of the Integrated Circuit Topography Regulations, correspondence delivered to a designated establishment on a day when CIPO is open to the public will be deemed or considered to be received on the day on which they are delivered to that designated establishment. If CIPO is closed to the public, correspondence will be deemed or considered to be received on the day on which CIPO is next open to the public. For example, if correspondence intended for CIPO is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as CIPO is closed on that day (St-Jean-Baptiste Holiday in Quebec). It will be deemed received on the day on which CIPO is next open to the public.

Conformément aux paragraphes 5(4), 5(5), 54(3) et 54(4) des Règles sur les brevets, au paragraphe 10(3) du Règlement sur les marques de commerce, aux paragraphes 2(4) et (5) du Règlement sur le droit d'auteur, au paragraphe 5(2) du Règlement sur les dessins industriels et aux paragraphes 3(4) et (5) du Règlement sur les topographies de circuits intégrés, la correspondance remise à l'un des établissements désignés susmentionnés lorsque les bureaux de l'OPIC sont ouverts au public sera réputée ou considérée avoir été reçue le jour de leur remise à cet établissement désigné. Si les bureaux de l'OPIC sont fermés au public, la correspondance sera réputée ou considérée avoir été reçue à le jour de la réouverture de l'OPIC au public. Par exemple, la correspondance adressée à l'OPIC remise à l'établissement désigné de Toronto le 24 juin ne sera pas considérée avoir été reçue le 24 juin puisque les bureaux de l'OPIC sont fermés ce jour-là (la Saint-Jean Baptiste est un jour férié au Québec). La correspondance sera alors réputée avoir été reçue le jour de la réouverture des bureaux de l'OPIC au public.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

1.2. Services Courrier recommandé^MC et Xpresspost^MC de Postes Canada

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des établissements ou des

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

L'OPIC considère que la correspondance remise par l'entremise des services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation de Postes Canada, en autant que l'OPIC soit ouvert au public ce jour-là. Si l'OPIC est fermé au public ce jour-là, la correspondance sera réputée ou considérée avoir été reçue le jour de réouverture de l'OPIC au public.

2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 10(5) of the Trademarks Regulations specifies certain categories of correspondence to which the provisions of subsection 10(4) do not apply.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered to the Commissioner of Patents by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is

2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 10(5) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 10(4) ne s'appliquent pas.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies constitue une version originale. Par conséquent, un duplicata sur support papier ne devrait pas être expédié.

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale,

open for business.

Correspondence delivered to the Registrar of Trademarks or the Industrial Design Office by electronic means of transmission, including facsimile, is deemed to have been received on the day on which CIPO receives it (Eastern Time).

lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

La correspondance fournie au registraire des marques de commerce ou transmise au Bureau des dessins industriels par voie électronique, y compris par télécopieur, est réputée avoir été reçue le jour ou l'OPIC l'a reçue (Heure de l'Est).

2.1 Facsimile

Black and white facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent to the following facsimile numbers:

(819) 953-CIPO (2476) or (819) 953-OPIC (6742)

Colour facsimile correspondence addressed to the Registrar of Trademarks or the Industrial Design Office **must** be sent to the following facsimile number:

(819) 934-3833

Note that the model of facsimile is a Xerox C505/X and that this information may be needed to ensure a successful colour transmission.

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment, will be considered not to have been received.

Evidence submitted by facsimile in respect of an opposition or section 45 proceeding **will not be accepted** due to issues such as the often-poor quality of transmission, the risk of incomplete transmission and the voluminous nature of the documents.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting by facsimile a document that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

2.1 Correspondance par télécopieur

La correspondance en noir et blanc par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise aux numéros ci-dessous :

819-953-OPIC (6742) ou 819-953-CIPO (2476)

La correspondance en couleur par télécopieur (modèle **:** Xerox C505/X) adressée au registraire des marques de commerce ou au Bureau des dessins industriels doit être transmise au numéro ci-dessous :

(819) 934-3833

À noter que le modèle de télécopieur est un Xerox C505/X; information qui peut être nécessaire afin de compléter une transmission en couleur.

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements désignés, sera considérée comme n'ayant pas été reçue.

Les éléments de preuve présentés par télécopieur dans le cadre d'une procédure d'opposition ou de radiation en vertu de l'article 45 de la Loi **ne seront pas acceptés** en raison des inconvénients reliés à la mauvaise qualité de la transmission, au risque que la transmission soit incomplète et à la nature volumineuse de ces documents.

Le rapport de transmission électronique que vous recevrez après votre transmission par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'une interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Lors de la transmission par télécopieur d'un document comprenant une demande d'acquittement de droit ou taxe, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements des frais afin d'assurer un traitement rapide.

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- filing an application (regular application);
- filing a request for national entry;
- filing an international application (PCT Safe or ePCT);
- general correspondence relating to applications and patents;
- maintaining the name of a patent agent on the register of patent agents; and
- ordering copies in paper, or electronic form of a document.

Brevets

Pour l'application du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment en accédant aux pages suivantes :

- déposer une demande (demande régulière);
- déposer une demande d'entrée dans la phase nationale;
- déposer une demande internationale (PCT Safe ou ePCT);
- correspondance générale concernant des demandes et des brevets;
- maintien du nom d'un agent de brevets dans le registre des agents de brevets;
- commande de copies papier ou d'un document sous forme électronique.

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT E-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT.

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un établissement désigné.

Trademarks

For the purpose of subsection 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by

Marques de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment en accédant aux pages suivantes

accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- registration of a trademark application;

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the Trademarks Opposition Board's online web application:

Opposition proceedings before the Trademarks Opposition Board

- filing a statement of opposition;
- filing of a counter statement;
- submission of the opponent's evidence, or statement;
- submission of the applicant's evidence, or statement;
- submission of the opponent's reply evidence;
- submission of the opponent's written representations, or statement;
- submission of the applicant's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

Section 45 proceedings before the Trademarks Opposition Board

- filing a request for a section 45 notice;
- submission of the registered owner's evidence;
- submission of the requesting party's written representations, or statement;
- submission of the registered owner's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

:

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce,
- l'enregistrement d'une marque de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce dans le cadre des procédures d'opposition ou de radiation en vertu de l'article 45 peut être envoyée par voie électronique en accédant à l'application web en ligne de la Commission des oppositions des marques de commerce.

Procédures d'opposition devant la Commission des oppositions des marques de commerce

- production d'une déclaration d'opposition;
- Production d'une contre-déclaration d'opposition;
- Production de la preuve de l'opposant, ou d'une déclaration;
- Production de la preuve du requérant, ou d'une déclaration;
- Production de la contre-preuve de l'opposant;
- Production des arguments écrits de l'opposant, ou déclarations;
- Soumission des arguments écrits du requérant, ou déclarations;
- Produire une demande pour une audience; et
- demande de prolongation de délai.

Procédures en vertu de l'article 45 devant la Commission des oppositions des marques de commerce

- Production d'une demande pour un avis en vertu de l'article 45;
- Production de la preuve du propriétaire inscrit;
- Production des arguments écrits de la demanderesse, ou déclaration;
- Production des arguments écrits du propriétaire inscrit, ou déclaration;
- Produire une demande pour une audience; et
- Demande de prolongation de délai.

Copyright

Droits d'auteur

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

Pour l'application du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre,
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de communication;
- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Industrial Designs

For the purpose of subsection 24.1(1) of the Industrial Design Act, the following correspondence addressed to the Industrial Design Office may be sent electronically, by accessing the following pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au Bureau des dessins industriels peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

Pour l'application du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

Note: all electronic media must be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

2.3 Supports électroniques

Note : Les supports électroniques doivent être exempts de ver informatique, de virus, ou de tout autre contenu malveillant. Les fichiers qui comprennent du contenu malveillant seront supprimés.

Brevets

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the application itself or amendment(s) thereof.

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui contient des parties de la demande elle-même ou des modifications relatives à la demande.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or
ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou

ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of the PCT Administration Instructions.

Trademarks and Industrial Design

The Office of the Registrar of Trademarks and the Industrial Design Office will accept the following types of electronic media: CD-ROM, CD-R, DVD, DVD-R, and USB stick.

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe F des Instructions administratives du PCT.

Marques de commerce et dessins industriels

Le Bureau du registraire des marques de commerce et le Bureau des dessins industriels acceptent les supports électroniques suivants : CD ROM, CD-R, DVD, DVD-R, et clé USB.

3. Details Concerning the Electronic Formats Accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically site using the relevant links set out in section 2.2 of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 des présentes procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Trademarks

For the purposes of subsection 64(1) of the Trademarks Act, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP and Doc.

Industrial Design

For the purposes of subsection 24.1(1) of the Industrial Design Act, the acceptable file formats for documents, other than a representation of a design, submitted electronically are WPD, DOC, DOCX and PDF. The acceptable file formats for the representation of a design are PDF, JPEG, TIFF and GIF. The file size limit is of 60MB for PDF, 10MB for the other file formats. The scanned/stored images should be of a resolution of at least 300 dpi and the dimensions must be of 21.59 cm by 27.94 cm (8.5 in by 11 in).

Note that the conversion of files to an acceptable format may result in a change to the quality of the drawings.

Marques de commerce

Pour l'application du paragraphe 64(1) de la Loi sur les marques de commerce, les formats de fichiers acceptables pour les documents fournis par un moyen électronique énoncé à la section 2.2 des présentes procédures de correspondance sont : PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP et Doc.

Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, les formats de fichiers acceptables pour les documents autres que la représentation d'un dessin, transmis par voie électronique sont : WPD, DOC, DOCX, PDF. Les formats de fichiers acceptables pour la représentation d'un dessin sont PDF, JPEG, TIFF, et GIF. La taille maximale est de 60MB pour le format PDF et de 10MB pour tout autre format. L'image numérisée/stockée devrait être dans une résolution d'au moins 300 dpi et les dimensions doivent être de 21,59 cm par 27,94 cm (8,5 po par 11po)

Veuillez noter que la conversion de fichiers vers un format acceptable pourrait résulter en un changement à la qualité des dessins.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

Des renseignements généraux peuvent être obtenus en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Time Period Extensions

- Time period extensions under the Patent, Trademarks and Industrial Design Acts
- Time period extensions under the Copyright and Integrated Circuit Topography Acts
- Time period extensions under the Patent Cooperation Treaty
- Time period extensions under the Madrid Protocol and the Hague Agreement

5. Prorogation des délais

- Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels
- Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés
- Prorogation des délais en vertu du le Traité de coopération en matière de brevets
- Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Time period extensions under the Patent, Trademarks and Industrial Design Acts

For the purposes of subsection 78(1) of the Patent Act, subsection 66(1) of the Trademarks Act, and subsection 21(1) of the Industrial Design Act, any time period fixed under those Acts and ending on 1) a **prescribed day** set out in the list below or 2) a **designated day** on account of unforeseen circumstances, will be extended to the next day that is not a prescribed day or a designated day and where CIPO is open to the public.

Designated days are those days that are designated by the Commissioner, the Registrar, or the Minister, on account of unforeseen circumstances and if they are satisfied that it is in the public interest to do so. If a day is designated, the public will be informed of that fact on CIPO's website.

Prescribed days under the Patent Act, Trademarks Act and Industrial Design Act are as follows:

- Every Saturday and Sunday;
- New Year's Day (January 1)*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)*;
- Canada Day (July 1)*;
- The first Monday in August;***
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;

Prorogation des délais prévus par les Lois sur les brevets, les marques de commerce, et les dessins industriels

Pour l'application du paragraphe 78(1) de la Loi sur les brevets, du paragraphe 66(1) de la Loi sur les marques de commerce, et du paragraphe 21(1) de la Loi sur les dessins industriels, tout délai fixé sous le régime de ces lois et qui expire 1) un **jour prescrit ou règlementaire** tel qu'indiqué dans la liste ci-dessous, ou 2) un **jour désigné** en raison de circonstances imprévues, sera prorogé jusqu'au jour suivant qui n'est ni un jour prescrit ni un jour désigné et où l'OPIC est ouvert au public.

Les **jours désignés** sont les jours désignés par le commissaire, le registraire, ou le ministre, où, en raison de circonstances imprévues, s'il est dans l'intérêt public de le faire. Si un jour est désigné, le public en sera informé sur le site web de l'OPIC.

Les **jours prescrits ou règlementaires** en vertu de la Loi sur les brevets, de la Loi sur les marques de commerce et de la Loi sur les dessins industriels sont les suivants :

- Tous les samedis et dimanches;
- Nouvel An (1er janvier)*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)*;
- Fête du Canada (1er juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

- Remembrance Day (November 11)*;
- Christmas Day (December 25)**;
- Boxing Day (December 26)** ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

*In the case of New Year's Day, St. Jean Baptiste Day, Canada Day and Remembrance Day, if the day falls on a Saturday or Sunday, deadlines will be extended to the following Tuesday.

**If December 25 falls on a Friday, deadlines will be extended to the following Tuesday. If December 25 falls on a Saturday or Sunday, any time periods ending on December 25 or December 26 will be extended to the following Wednesday.

***Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public (first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

Extensions for prescribed days occur regardless of place of residence or of the establishment to which documents are delivered.

Please be aware that not all provincial and territorial holidays are days where deadlines are extended. It is recommended that clients be mindful and ensure that all deadlines are respected.

- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)*;
- Jour de Noël (25 décembre)**;
- Lendemain de Noël** ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

*Si le Nouvel An, la Saint-Jean-Baptiste, la Fête du Canada, ou le Jour du Souvenir est un samedi ou un dimanche, les délais seront prorogés au mardi suivant.

**Si le 25 décembre est un vendredi, les délais seront prorogés au mardi suivant. Si le 25 décembre est un samedi ou un dimanche, les délais seront prorogés au mercredi suivant.

***Veuillez noter que les Bureaux sont ouverts au public le premier lundi du mois d'août. Tout délai qui expire ce jour-là sera prorogé au prochain jour ouvrable (premier mardi du mois d'août). Cependant, toute correspondance, droits ou taxes fournis au Bureau ce jour-là seront réputés ou considéré avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou règlementaires s'appliquent nonobstant du lieu de résidence ou du lieu de l'établissement auquel les documents ont été remis.

Veuillez noter que ce ne sont pas tous les jours fériés provinciaux ou territoriaux qui sont des jours prescrits ou règlementaires pour lesquels un délai peut être prorogé. Il est recommandé que les clients soient attentifs et s'assurent que tout délai soit respecté.

Time period extensions under the Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to CIPO or a designated establishment (including the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly,

Prorogation des délais prévus par les Lois sur le droit d'auteur et sur les topographies de circuits

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à l'OPIC ou à un établissement désigné (y compris un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé^MC^, ou par Xpresspost^MC^ de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont

where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

Prolongations de délais prévus au Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour :

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

Time period extensions under the Madrid Protocol and the Hague Agreement

If a period within which a communication must be received by the International Bureau of the World Intellectual Property Office would expire on a day on which the International

Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Si un délai à l'intérieur duquel une communication doit être reçue par le Bureau international de l'Organisation mondiale de propriété intellectuelle expire un jour où le Bureau international n'est pas ouvert au public, le délai expirera lors du

Bureau is not open to the public, it will expire on the next subsequent day on which the International Bureau is open. Likewise, if the period within which a communication (such as a notification of refusal of protection) must be sent by CIPO to the International Bureau would expire on a day on which CIPO is not open to the public, it will expire on the next subsequent day on which CIPO is open.

A list of the days on which the International Bureau is closed to the public during the current and the following calendar year is available on the WIPO website.

premier jour suivant où le Bureau international est ouvert au public. Similairement, si un délai à l'intérieur duquel une communication (tel qu'une notification de refus de la protection) doit être envoyée par l'OPIC au Bureau international expire un jour où les bureaux de l'OPIC sont fermés au public, ce délai expirera lors du premier jour suivant la réouverture de l'OPIC.

Une liste des jours pendant lesquels le Bureau international est fermé au public pendant l'année civile en cours et à venir est disponible sur le site web de l'OMPI.

6. Procedures in Case of an Unexpected Office Closure at CIPO

In case of unforeseen circumstances, CIPO will attempt to remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or a designated day and where CIPO is open to the public.

For Copyright and Integrated Circuit Topography, if CIPO is closed to the public due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open to the public. In such situations, mail delivered to CIPO or to designated establishments will be considered to be received on the date that CIPO re-opens to the public, with the exception of correspondence addressed to the Registrar of Topographies.

In view of the date-sensitive nature of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information with respect to service interruptions on our website as it becomes available and as circumstances permit.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in section 2.2 of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee

6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Conformément à l'alinéa 27.01n) des Règles sur les Brevets, l'alinéa 15n) du Règlement sur les marques de commerce et de l'alinéa 36n) du Règlement sur les dessins industriels, lorsque les bureaux de l'OPIC sont fermés au public pendant toute ou une partie des heures normales d'ouverture, y compris une fermeture en raison de circonstances extraordinaires, les délais seront prorogés au jour suivant qui ne sera pas un jour prescrit ou un jour désigné et où l'OPIC est ouvert au public .

Pour les droits d'auteur et les topographies de circuits intégrés, si les bureaux de l'OPIC sont fermés au public en raison de circonstances extraordinaires, l'OPIC considère que tous les délais sont prorogés au prochain jour d'ouverture au public. Dans de telles circonstances, le courrier livré à l'OPIC ou à des établissements désignés sera considéré avoir été reçu à la date du jour de la réouverture de l'OPIC au public, à l'exception de la correspondance adressée au registraire des topographies.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

En situation d'urgence, les systèmes d'information et de recherche resteront, dans la mesure du possible, accessibles à partir de notre site Web. Toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre page d'interruptions des services, lorsque ceux-ci seront disponibles et les circonstances le permettront.

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^MC^, par Xpresspost^MC^ ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 des présentes procédures de correspondance. Il est toujours

payment that is sent by fax must be accompanied by a VISA™, MasterCard™, or American Express™ credit card number, or CIPO deposit account number.

Please note that there may also be instances in which the designated offices may be temporarily closed, yet CIPO remains open to the public. In such situations, it remains **the responsibility of CIPO's clients** to ensure that all deadlines are respected.

possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés d'un numéro de carte VISA[MC], Mastercard[MC] ou American Express[MC] ou d'un numéro de compte de dépôt à l'OPIC.

Veuillez noter qu'il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, **les clients de l'OPIC demeurent responsables** du respect de tous les échéanciers.

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open to the public but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Trademarks

The Trademarks Act and Regulations allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. In order for a retroactive extension of time to be granted, the Registrar of Trademarks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee is required in certain cases.

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif en rapport aux types de propriété intellectuelle mentionnés ci-haut ne donne pas à l'OPIC la flexibilité de proroger les délais lorsque l'Office est ouvert au public, mais les clients sont dans l'impossibilité de communiquer avec le l'Office.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prolongation rétroactive lorsqu'un délai n'a pas été respecté en raison d'un cas de force majeure. Pour qu'une prolongation de délai rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit est exigé dans certains cas.

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
- Règles sur les brevets

- Patent Rules
- Regulations under the PCT
- Trademarks Act
- Trademarks Regulations

- Règlement d'exécution du PCT
- Loi sur les marques de commerce
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of October 3, 2023 contains applications open to public inspection from September 17, 2023 to September 23, 2023.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 3 octobre 2023 contient les demandes disponibles au public pour consultation pour la période du 17 septembre 2023 au 23 septembre 2023.

Canadian Patents Issued

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[25] EN
[54] **EXPRESSION AND SECRETION SYSTEM**
[54] **SYSTEME D'EXPRESSION ET DE SECRETION**
[72] TESAR, DEVIN, US
[72] CHEN, XIAOCHENG, US
[72] DENNIS, MARK, US
[72] HOTZEL, ISIDRO, US
[73] GENENTECH, INC., US
[85] 2014-12-16
[86] 2013-07-03 (PCT/US2013/049310)
[87] (WO2014/008391)
[30] US (61/668,397) 2012-07-05
[30] US (61/852,483) 2013-03-15
[30] US (61/819,063) 2013-05-03

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[25] EN
[54] **UK-2 BIOSYNTHETIC GENES AND METHOD FOR IMPROVING UK-2 PRODUCTIVITY USING THE SAME**
[54] **GENES DE BIOSYNTHESE UK-2 ET PROCEDE D'AMELIORATION DE LA PRODUCTIVITE D'UK-2 A L'AIDE DE CEUX-CI**
[72] KOBAYASHI, KOEI, JP
[72] SUMIDA, NAOMI, JP
[72] YANAI, KOJI, JP
[73] MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC., JP
[85] 2015-01-08
[86] 2013-07-08 (PCT/JP2013/069081)
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[30] JP (2012-153986) 2012-07-09

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[25] EN
[54] **MICRONIZED COMPOSITIONS COMPOSED OF BONE GRAFTS AND METHODS OF MAKING AND USING THE SAME**
[54] **COMPOSITIONS MICRONISEES COMPOSEES DE GREFFONS OSSEUX ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] DANIEL, JOHN, US
[72] SPENCER, RANDALL, US
[72] TOFE, ROBERT, US
[73] MIMEDX GROUP, INC., US
[85] 2015-04-07
[86] 2013-10-07 (PCT/US2013/063736)
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[30] US (13/647,308) 2012-10-08

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[25] EN
[54] **VACCINE FOR INTRAUTERINE DISEASE**
[54] **VACCIN POUR UNE MALADIE INTRA-UTERINE**
[72] BICALHO, RODRIGO CARVALHO, US
[72] GILBERT, ROBERT OWEN, US
[72] MACHADO, VINICIUS, US
[72] BICALHO, MARCELA, US
[73] CORNELL UNIVERSITY, US
[85] 2015-05-29
[86] 2013-10-08 (PCT/US2013/063866)
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[51] **Int.Cl. G01D 21/00 (2006.01) G01V 1/36 (2006.01)**
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[54] **GENERALIZED SPECTRAL DECOMPOSITION**
[54] **DECOMPOSITION SPECTRALE GENERALISEE**
[72] AARRE, VICTOR, NO
[72] HOEKSTRA, EDO, NO
[73] SCHLUMBERGER CANADA LIMITED, CA
[86] (2893718)
[87] (2893718)
[22] 2015-06-03
[30] US (62/008,983) 2014-06-06
[30] US (14/674,585) 2015-03-31

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[51] **Int.Cl. A61M 15/00 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR PUNCTURING A CAPSULE TO RELEASE A POWDERED MEDICAMENT THEREFROM**
[54] **DISPOSITIFS ET PROCEDES POUR PERCER UNE CAPSULE POUR LIBERER UN MEDICAMENT PULVERULENT A PARTIR DE CELLE-CI**
[72] ELLWANGER, COLLEEN, US
[72] NOBLE, BRIAN, US
[72] COKER, TIM, US
[72] PLUNKETT, SEAN, US
[73] CIVITAS THERAPEUTICS, INC., US
[85] 2015-06-03
[86] 2013-12-03 (PCT/US2013/072769)
[87] (WO2014/089018)
[30] US (61/733,117) 2012-12-04
[30] US (13/719,598) 2012-12-19

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[54] **POWER MANAGEMENT SYSTEM FOR DISPENSERS**
[54] **SYSTEME DE GESTION ELECTRIQUE POUR DISTRIBUTEURS**
[72] WATERHOUSE, PAUL, CA
[72] ZOSIMADIS, PETER, CA
[73] SMART WAVE TECHNOLOGIES, INC., US
[85] 2015-06-05
[86] 2013-12-11 (PCT/CA2013/001039)
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[25] EN
[54] **APPARATUS AND METHOD FOR SUPPLYING CONTENT AWARE PHOTO FILTERS**
[54] **APPAREIL ET METHODE D'APPROVISIONNEMENT DE FILTRES PHOTOGRAPHIQUES CONSCIENTS DU CONTENU**
[72] SEHN, TIMOTHY, US
[73] SNAP INC., US
[86] (2895728)
[87] (2895728)
[22] 2015-06-25
[30] US (14/325,270) 2014-07-07

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[25] EN
[54] **UNIVERSAL ELECTRONIC PAYMENT CREDENTIAL PROCESSING**
[54] **TRAITEMENT DE RECONNAISSANCE DE PAIEMENT ELECTRONIQUE UNIVERSEL**
[72] MESHKATI, MAHNAZ, CA
[72] TARNOWSKI, JOHN ANTHONY, CA
[72] VAN HEERDEN, LAUREN, CA
[72] DEL VECCHIO, ORIN, CA
[72] CHAN, PAUL MON-WAH, CA
[72] D'AGOSTINO, DINO, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2896572)
[87] (2896572)
[22] 2015-07-10
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[11] **2,896,997**
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[51] **Int.Cl. G01N 33/48 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A BIOMIMETIC FLUID PROCESSING**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE FLUIDE BIOMIMETIQUE**
[72] ITALIANO, JOSEPH, US
[72] MAZUTIS, LINAS, US
[72] THON, JONATHAN N., US
[72] WEITZ, DAVID A., US
[73] BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[73] VILNIUS UNIVERSITY, LT
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2015-06-30
[86] 2013-11-20 (PCT/US2013/070910)
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[30] US (61/848,424) 2013-01-03

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[54] **METHODS FOR GENOME ASSEMBLY AND HAPLOTYPE PHASING**
[54] **PROCEDES POUR ASSEMBLAGE DU GENOME ET PHASAGE D'HAPLOTYPE**
[72] GREEN, RICHARD E., JR., US
[72] LAREAU, LIANA F., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2015-07-22
[86] 2014-01-31 (PCT/US2014/014184)
[87] (WO2014/121091)
[30] US (61/759,941) 2013-02-01
[30] US (61/892,355) 2013-10-17

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[13] C
[51] **Int.Cl. G01N 27/417 (2006.01)**
[25] EN
[54] **SENSORS AND METHODS FOR DETECTING AN OXIDANT**
[54] **CAPTEURS ET PROCEDES DE DETECTION D'UN OXYDANT**
[72] SELVAGANAPATHY, PONNAMBALAM RAVI, CA
[72] HSU, HUAN-HSUAN, CA
[72] KRUSE, PETER, CA
[72] HOQUE, ENAMUL, CA
[73] MCMASTER UNIVERSITY, CA
[86] (2900769)
[87] (2900769)
[22] 2015-08-18
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[11] **2,901,052**
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[51] **Int.Cl. G01N 21/64 (2006.01)**
[25] EN
[54] **IMAGE ANALYSIS AND MEASUREMENT OF BIOLOGICAL SAMPLES**
[54] **ANALYSE D'IMAGES ET MESURE D'ECHANTILLONS BIOLOGIQUES**
[72] MOHAN, KARAN, US
[72] PANGARKAR, CHINMAY, US
[72] WASSON, JAMES, US
[72] FOLKESSON, JENNY, US
[72] NOURSE, MARILYN, US
[72] KOLHAR, POORNIMA, US
[73] THERANOS IP COMPANY, LLC, US
[85] 2015-08-11
[86] 2014-02-18 (PCT/US2014/016962)
[87] (WO2014/127372)
[30] US (61/766,116) 2013-02-18
[30] US (61/802,194) 2013-03-15
[30] US (PCT/US2013/052141) 2013-07-25
[30] US (13/951,063) 2013-07-25
[30] US (61/930,419) 2014-01-22
[30] US (61/933,270) 2014-01-29

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[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/53 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **TUBERCULOSIS BIOMARKERS AND USES THEREOF**
[54] **BIOMARQUEURS DE LA TUBERCULOSE ET LEURS UTILISATIONS**
[72] ACHKAR, JACQUELINE MICHELE, US
[72] PARAMITHIOTIS, EUSTACHE, CA
[72] CROTEAU, PASCAL, CA
[73] CAPRION PROTEOMICS INC., CA
[73] ALBERT EINSTEIN COLLEGE OF MEDICINE, INC., US
[85] 2015-08-20
[86] 2014-02-20 (PCT/US2014/017289)
[87] (WO2014/133855)
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[13] C
[51] **Int.Cl. C12N 5/00 (2006.01)**
[25] EN
[54] **CELL CULTURE COMPOSITIONS WITH ANTIOXIDANTS AND METHODS FOR POLYPEPTIDE PRODUCTION**
[54] **COMPOSITIONS DE CULTURE CELLULAIRE AYANT ANTI-OXYDANTS ET PROCEDES POUR UNE PRODUCTION DE POLYPEPTIDE**
[72] VIJAYASANKARAN, NATARAJAN, US
[72] MEIER, STEVEN J., US
[72] VARMA, SHARAT, US
[72] YANG, YI, US
[73] GENENTECH, INC., US
[85] 2015-09-01
[86] 2014-03-14 (PCT/US2014/029772)
[87] (WO2014/145098)
[30] US (61/799,602) 2013-03-15

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[25] EN
[54] **INTRATHECAL MULTIDRUG INFUSION FOR PAIN CONTROL**
[54] **PERFUSION INTRATECALE MULTIMEDICAMENT POUR LE CONTROLE DE LA DOULEUR**
[72] BLAISE, GILBERT, CA
[73] DGB THERAPEUTICS INC., CA
[86] (2903758)
[87] (2903758)
[22] 2015-09-04
[30] US (62/045,750) 2014-09-04

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[51] **Int.Cl. A61J 1/05 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR BODILY FLUID SAMPLE COLLECTION**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE COLLECTE D'ECHANTILLON DE FLUIDE CORPOREL**
[72] HOLMES, ELIZABETH A., US
[72] CHEN, MICHAEL, US
[72] KO, PEY-JIUN, US
[72] BURD, TAMMY, US
[72] LATH, ADRIT, US
[72] MCHALE, PATRICIA, US
[72] ROY, JOY, US
[73] THERANOS IP COMPANY, LLC, US
[85] 2015-09-02
[86] 2014-03-17 (PCT/US2014/030792)
[87] (WO2014/145935)
[30] US (61/852,489) 2013-03-15
[30] US (61/786,351) 2013-03-15
[30] US (61/948,542) 2014-03-05
[30] US (61/952,112) 2014-03-12
[30] US (PCT/US2014/030070) 2014-03-15

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 3/14 (2006.01)**
[25] EN
[54] **DEVICE, SYSTEM, AND METHOD OF WEBSITE BUILDING BY UTILIZING DATA LISTS**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE CONSTRUCTION DE SITE WEB A L'AIDE DE LISTES DE DONNEES**
[72] KAUFMAN, AMIT, IL
[72] HOLLANDER, OREN, IL
[72] ABRAHAMI, NADAV, IL
[72] TOBISEK, JIRI, IL
[73] WIX.COM LTD., IL
[85] 2015-09-09
[86] 2014-03-13 (PCT/IB2014/059724)
[87] (WO2014/141122)
[30] US (61/781,866) 2013-03-14

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[25] EN
[54] **MIRNA BIOGENESIS IN EXOSOMES FOR DIAGNOSIS AND THERAPY**
[54] **BIOGENESE D'ARNMI DANS DES EXOSOMES A DES FINS DIAGNOSTIQUES ET THERAPEUTIQUES**
[72] KALLURI, RAGHU, US
[72] MELO, SONIA, US
[73] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2015-09-09
[86] 2014-03-14 (PCT/US2014/027541)
[87] (WO2014/152622)
[30] US (61/791,301) 2013-03-15

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[51] **Int.Cl. H01M 4/36 (2006.01) H01M 4/485 (2010.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) B01J 19/28 (2006.01)**
[25] EN
[54] **COMPLEXOMETRIC PRECURSOR FORMULATION METHODOLOGY FOR INDUSTRIAL PRODUCTION OF FINE AND ULTRAFINE POWDERS AND NANOPOWDERS OF LAYERED LITHIUM MIXED METAL OXIDES FOR BATTERY APPLICATIONS**
[54] **METHODOLOGIE DE FORMULATION DE PRECURSEUR COMPLEXOMETRIQUE POUR UNE PRODUCTION INDUSTRIELLE DE POUDRES ET DE NANOPOUDRES FINES ET ULTRAFINES D'OXYDES MIXTES DE LITHIUM DISPOSES EN COUCHES POUR APPLICATIONS DE BATTERIE**
[72] FRIANEZA-KULLBERG, TERESITA, US
[73] NANO ONE MATERIALS CORP., CA
[85] 2015-09-11
[86] 2014-03-14 (PCT/IB2014/000810)
[87] (WO2014/140806)
[30] US (13/842,978) 2013-03-15

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[13] C
[51] **Int.Cl. C12P 19/34 (2006.01) C07H 21/00 (2006.01)**
[25] EN
[54] **METHODS FOR AMPLIFICATION OF NUCLEIC ACIDS UTILIZING CLAMP OLIGONUCLEOTIDES**
[54] **PROCEDES POUR L'AMPLIFICATION D'ACIDES NUCLEIQUES A L'AIDE D'OLIGONUCLEOTIDES CLAMP**
[72] ARNOLD, LYLE J., US
[72] NELSON, NORMAN C., US
[73] AEGEA BIOTECHNOLOGIES, INC., US
[85] 2015-09-09
[86] 2014-03-14 (PCT/US2014/029850)
[87] (WO2014/145138)
[30] US (61/789,685) 2013-03-15

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[25] EN
[54] **BUILDING BOARD WITH ACOUSTICAL FOAM**
[54] **PANNEAU DE CONSTRUCTION AVEC MOUSSE ACOUSTIQUE**
[72] ATHARI, CHRISTOPHER K., US
[72] GARVEY, THOMAS J., CA
[72] SHINKODA, PAMELA, CA
[73] CERTAINTEED GYPSUM, INC., US
[85] 2015-09-14
[86] 2014-03-14 (PCT/US2014/029206)
[87] (WO2014/144688)
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[51] **Int.Cl. C07K 7/54 (2006.01) A61K 38/12 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES**
[72] SHARMA, SHUBH, US
[72] VAN DER PLOEG, LEONARDUS H.T., US
[72] HENDERSON, BART, US
[73] RHYTHM PHARMACEUTICALS, INC., US
[85] 2015-09-14
[86] 2014-03-14 (PCT/US2014/029421)
[87] (WO2014/144842)
[30] US (61/792,440) 2013-03-15

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[25] EN
[54] **NUCLEIC ACID AMPLIFICATION**
[54] **AMPLIFICATION D'ACIDE NUCLEIQUE**
[72] PATEL, PRANAV, US
[73] THERANOS IP COMPANY, LLC, US
[85] 2015-09-14
[86] 2014-03-15 (PCT/US2014/030028)
[87] (WO2014/145291)
[30] US (61/800,340) 2013-03-15

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[25] EN
[54] **DELIVERY OF IMMUNOSUPPRESSANTS HAVING A SPECIFIED PHARMACODYNAMIC EFFECTIVE-LIFE AND ANTIGEN FOR THE INDUCTION OF IMMUNE TOLERANCE**
[54] **ADMINISTRATION D'IMMUNOSUPPRESSEURS AYANT UNE DUREE DE VIE EFFICACE PHARMACODYNAMIQUE SPECIFIEE ET ANTIGENE POUR L'INDUCTION DE LA TOLERANCE IMMUNITAIRE**
[72] KISHIMOTO, TAKASHI KEI, US
[73] SELECTA BIOSCIENCES, INC., US
[85] 2015-10-27
[86] 2014-05-02 (PCT/US2014/036697)
[87] (WO2014/179770)
[30] US (61/819,517) 2013-05-03
[30] US (61/881,913) 2013-09-24
[30] US (61/881,921) 2013-09-24
[30] US (61/881,851) 2013-09-24
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[51] **Int.Cl. C08L 21/00 (2006.01) C08J 3/24 (2006.01) C08L 75/06 (2006.01)**
[25] EN
[54] **NEW COMPOSITE MATERIALS BASED ON RUBBERS, ELASTOMERS, AND THEIR RECYCLED**
[54] **NOUVEAUX MATERIAUX COMPOSITES A BASE DE CAOUTCHOUCS, ELASTOMERES ET LEURS MATIERES RECYCLEES**
[72] LOYA ENRIQUEZ, RENE, MX
[72] BUENO HERRERA, GRECIA ANDREA, MX
[72] FLORES GALLARDO, SERGIO GABRIEL, MX
[72] ZARAGOZA CONTRERAS, ERASTO ARMANDO, MX
[72] VEGA RIOS, ALEJANDRO, MX
[72] MENDOZA DUARTE, MONICA ELVIRA, MX
[72] LOPEZ MARTINEZ, ERIKA IVONNE, MX
[73] CENTRO DE INVESTIGACION EN MATERIALES AVANZADOS, S.C., MX
[73] KAUTEC TECHNOLOGIES, S.A.P.I. DE C.V., MX
[86] (2911752)
[87] (2911752)
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[51] **Int.Cl. H04L 67/306 (2022.01) G06Q 10/107 (2023.01) G06Q 10/109 (2023.01) H04M 3/533 (2006.01)**
[25] EN
[54] **MANAGING COMMUNICATION EXPLOITATION IN GLOBAL ORGANIZATIONS**
[54] **GESTION DE L'EXPLOITATION DES COMMUNICATIONS DANS LES ENTREPRISES MONDIALES**
[72] MORTEN, GLENN, CH
[73] NAGRAVISION S.A., CH
[86] (2912234)
[87] (2912234)
[22] 2015-11-18
[30] US (14/546,669) 2014-11-18

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[13] C
[51] **Int.Cl. A61K 31/785 (2006.01) A61P 3/12 (2006.01)**
[25] EN
[54] **PROTON-BINDING POLYMERS FOR ORAL ADMINISTRATION**
[54] **POLYMERES LIANT LES PROTONS POUR ADMINISTRATION ORALE**
[72] KLAERNER, GERRIT, US
[72] CONNOR, ERIC F., US
[72] GBUR, RANDI K., US
[72] KADE, MATTHEW J., US
[72] KIERSTEAD, PAUL H., US
[72] BUYSSE, JERRY M., US
[72] COPE, MICHAEL J., US
[72] BIYANI, KALPESH N., US
[72] NGUYEN, SON H., US
[72] TABAKMAN, SCOTT M., US
[73] TRICIDA, INC., US
[85] 2015-11-18
[86] 2014-06-05 (PCT/US2014/041152)
[87] (WO2014/197725)
[30] US (61/831,445) 2013-06-05

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[72] ZHANG, FENG, US
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[54] **SYSTEMES ET PROCEDES POUR EVALUATION DE REVASCULARISATION DU PIED**
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[54] **MARQUEURS POUR TROUBLES LIES A LA SPHINGOMYELINASE ACIDE ET LEURS UTILISATIONS**
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[72] COX, GERALD F., US
[72] ZHANG, X. KATE, US
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[54] **COMMANDE DE CHARGE DE CENTRALE A CYCLE COMBINE MODELISE**
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[72] CHENG, XU, US
[72] HUFF, FREDERICK C., US
[72] GERIDEAU, BENJAMIN F., US
[73] EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC., US
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[54] **LIPID-BASED PLATINUM COMPOUNDS AND NANOPARTICLES**
[54] **COMPOSES DU PLATINE A BASE DE LIPIDES ET NANOPARTICULES CORRESPONDANTES**
[72] SENGUPTA, SHILADITYA, US
[72] ROY, MONIDEEPA, US
[72] SARKAR, ARINDAM, IN
[72] HOSSAIN, SK SAMAD, IN
[72] SENGUPTA, ANIRUDDHA, IN
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[54] **TOPOLOGIE DE JEU INTERCHANGEABLE RENDUE PAR UN ELEMENT D'AFFICHAGE**
[72] MULLIGAN, TIMOTHY, US
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[54] **HIERARCHICAL OPERATIONAL CONTROL OF AGGREGATED LOAD MANAGEMENT RESOURCES**
[54] **COMMANDE OPERATIONNELLE HIERARCHIQUE DE RESSOURCES DE GESTION DE CHARGE AGREGEES**
[72] BLACK, JASON W., US
[72] GLENN, BRADLEY C., US
[72] REHBERG, ERIC L., US
[73] BATTELLE MEMORIAL INSTITUTE, US
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[72] LEVIN, KERRY, US
[73] DESIGNER DIRECT, INC., US
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[54] **PATIN A GLACE**
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[72] ROUZIER, EDOUARD, CA
[72] CHAMBERT, MARTIN, CA
[72] MARTEL, PASCAL, CA
[73] BAUER HOCKEY LTD., CA
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[54] **OSTEOPONTINE DE LAIT DE MAMMIFERE POUR AMELIORER UNE REPONSE IMMUNITAIRE**
[72] KVISTGAARD, ANNE STAUDT, DK
[72] WEJSE, PETER LANGBORG, DK
[72] DONOVAN, SHARON, US
[72] SIEGEL, MARCIA H. MONACO, US
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[54] **PROCEDES, SYSTEMES ET MULTIMEDIA POUR COMMANDER UN DISPOSITIF DISTANT AU MOYEN D'UN ECRAN TACTILE DE DISPOSITIF MOBILE A L'ETAT D'AFFICHAGE INHIBE**
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[73] GOOGLE LLC, US
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[54] **DISPOSITIF DE PLATEFORME DESTINE A L'ECHANTILLONNAGE ET SPECTROPHOTOMETRIE DE REACTION CHIMIQUE DE FLUIDE DE FORAGE**
[72] HANBY, JOHN DAVID, US
[73] FATOR, CHARLES D., US
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[54] **SYSTEM AND METHOD FOR ENCRYPTING AND RECORDING MEDIA FOR A CONTACT CENTER**
[54] **SYSTEME ET PROCEDE DE CHIFFREMENT ET D'ENREGISTREMENT DE SUPPORT POUR UN CENTRE D'APPELS**
[72] LUM, HENRY R., US
[72] FILONOV, VLADIMIR, US
[72] CULBERT, JEFFREY, US
[72] BLANDER, DANIEL, US
[72] SUBRAMANIAM, SOMASUNDARAM, US
[72] CICCHITTO, ANGELO, US
[72] GVILDYS, PAUL, US
[72] TAMBLYN, ERIC, US
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[54] **SYSTEMS AND METHODS FOR CELL CULTURE DEVICE INTERCONNECTION AND FLUIDIC DEVICE INTERCONNECTION**
[54] **SYSTEMES ET PROCEDES POUR INTERCONNEXION DE DISPOSITIFS DE CULTURE DE CELLULES ET INTERCONNEXION DE DISPOSITIFS FLUIDIQUES**
[72] INGBER, DONALD E., US
[72] LEVNER, DANIEL, US
[72] THOMPSON, GUY, III, US
[72] FERNANDEZ-ALCON, JOSE, US
[72] HINOJOSA, CHRISTOPHER DAVID, US
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[54] **METHODS FOR IMPROVING ASTHMA SYMPTOMS USING BENRALIZUMAB**
[54] **PROCEDES PERMETTANT D'AMELIORER LES SYMPTOMES DE L'ASTHME AU MOYEN DE BENRALIZUMAB**
[72] WARD, CHRISTINE, US
[72] ROSKOS, LORIN, US
[72] WANG, BING, US
[72] RAIBLE, DONALD G., US
[73] ASTRAZENECA AB, SE
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[54] **METHOD TO PRODUCE A COMPOSITE SEMI-FINISHED PRODUCT**
[54] **METHODE PERMETTANT DE PRODUIRE UN PRODUIT COMPOSITE SEMI-FINI**
[72] KOPIETZ, LUKAS, DE
[72] SEIPP, THORSTEN, DE
[72] BERTHOLD, SASCHA, DE
[72] BURFEIND, JENS, DE
[72] HINTEMANN, DAMIAN, DE
[72] WACK, HOLGER, DE
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[54] **PIPE COUPLING CAPSULATION ASSEMBLY**
[54] **DISPOSITIF DE CAPSULAGE DE RACCORD DE TUYAU**
[72] CHIPROOT, AVI, IL
[73] KRAUSZ INDUSTRIES LTD., IL
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[54] **PEPTIDE EPOXYKETONE PROTEASOME INHIBITORS IN COMBINATION WITH PIM KINASE INHIBITORS FOR TREATMENT OF CANCERS**
[54] **INHIBITEURS DU PROTEASOME EPOXYCETONES PEPTIDIQUES EN COMBINAISON AVEC DES INHIBITEURS DE PIM KINASE POUR LE TRAITEMENT DE CANCERS**
[72] KAPUR, SHIRIN, US
[72] LERNER, ALANA, US
[72] KIRK, CHRISTOPHER J., US
[72] LOWE, ERIC, US
[73] ONYX THERAPEUTICS, INC., US
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[72] LEWIS, MALCOLM, GB
[73] VISA EUROPE LIMITED, GB
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[54] **OXYDES DE FER METALLIQUES MIXTES ET LEURS UTILISATIONS**
[72] SHEN, JIAN-PING, US
[72] LAIL, MARTY, US
[72] TURK, BRIAN, US
[72] MOBLEY, PAUL D., US
[72] NORMAN, JASON S., US
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[54] **METHOD AND APPARATUS FOR CONTROLLING THE POWER SUPPLY FROM AN ELECTRIC VEHICLE TO A DWELLING OR TO AN AC POWER DISTRIBUTION NETWORK**
[54] **PROCEDE ET APPAREIL POUR COMMANDER L'ALIMENTATION ELECTRIQUE A PARTIR D'UN VEHICULE ELECTRIQUE A UNE HABITATION OU A UN RESEAU DE DISTRIBUTION ENERGIE A COURANT ALTERNATIF**
[72] PELLETIER, MARC-ANTOINE, CA
[72] NORMANDIN, IRENEE, CA
[72] JASMIN, SIMON, CA
[73] SYSTEMEX ENERGIES INTERNATIONAL INC., BB
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[54] **DISPOSITIF DE DETECTION DE RAYONNEMENT COMPORTANT UNE STRUCTURE D'ENCAPSULATION A TENUE MECANIQUE AMELIOREE**
[72] YON, JEAN-JACQUES, FR
[72] DUMONT, GEOFFROY, FR
[72] CARLE, LAURENT, FR
[72] IMPERINETTI, PIERRE, FR
[72] POCAS, STEPHANE, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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[54] **DISPOSITIF D'EMBRAYAGE AMELIORE DESTINE A DES PISTONS DE DERIVATION**
[72] BOYD, GARRETT S., US
[72] BOYD, MITCHELL A., US
[73] FLOWCO PRODUCTION SOLUTIONS, LLC, US
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[54] **A METHOD AND SYSTEM FOR PRODUCING A VIDEO PRODUCTION**
[54] **PROCEDE ET SYSTEME PERMETTANT DE PRODUIRE UNE PRODUCTION VIDEO**
[72] SAGAS, SERGI, ES
[72] BENNASSAR, JOAN, ES
[72] VALVERDE, ANTOINE, ES
[72] TORRENT, GERARD, ES
[73] MEDIAPRODUCCION, S.L.U, ES
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[54] **COMPLEXE DENDRIMERE-RESVERATROL**
[72] CHAUHAN, ABHAY SINGH, US
[72] NEWENHOUSE, ERIC ANDREW, US
[72] GERHARDT, ARMIN HENRY, US
[73] CONCORDIA UNIVERSITY, US
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[54] **AIRCRAFT PILOTING ASSISTANCE SYSTEM AND METHOD**
[54] **SYSTEME D'AIDE AU PILOTAGE D'UN AERONEF ET PROCEDE**
[72] LEPAGE, SEBASTIEN, FR
[73] DASSAULT AVIATION, FR
[86] (2922616)
[87] (2922616)
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[54] **CASSETTE AND DROP HANDLE WITH FLEXIBLE RADIUS CONTROLLER**
[54] **CASSETTE ET POIGNEE SUSPENDUE AVEC CONTROLEUR DE RAYON SOUPLE**
[72] BEAMON, HUBERT BLAIR, US
[72] GIRAUD, WILLIAM JULIUS MCPHIL, US
[72] RODRIGUEZ, DIANA, US
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
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[54] **WIND TURBINE CONTROL USING SIGNAL CONTROLLER**
[54] **COMMANDE D'EOLIENNE AU MOYEN D'UN CONTROLEUR DE SIGNAL**
[72] CHACON, JOSEPH LAWRENCE, US
[72] GERBER, KRISTINA ANNE, US
[72] PENNINGTON, NOAH, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **COMPOSITE STRUCTURAL COMPONENT AND METHOD OF MAKING SAME**
[54] **COMPOSANTE STRUCTURALE EN COMPOSITE ET METHODE DE FABRICATION ASSOCIEE**
[72] NEVADO, ERWIN, CA
[72] HEINS, JOHN, CA
[73] THE CENTRAL GROUP, CA
[86] (2924333)
[87] (2924333)
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[54] **LINEAR MOTOR CONVEYOR SYSTEM, BEARING SYSTEM AND SYSTEM AND METHOD OF LUBRICATION THEREFOR**
[54] **TRANSPORTEUR A MOTEUR LINEAIRE, SYSTEME DE PALIER ET SYSTEME ET PROCEDE DE LUBRIFICATION CONNEXE**
[72] KLEINIKKINK, ALBERT JOHN, CA
[72] SCOTT, RYAN, CA
[72] MOWAT, DON, CA
[73] ATS AUTOMATION TOOLING SYSTEMS INC., CA
[86] (2924908)
[87] (2924908)
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[30] US (62/136,800) 2015-03-23

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[54] **ELECTROSTATIC FIELD SENSOR AND SECURITY SYSTEM IN INTERIOR AND EXTERIOR SPACES**
[54] **DETECTEUR DE CHAMPS ELECTROSTATIQUES ET SYSTEME DE SECURITE UTILISES DANS DES ESPACES INTERIEURS ET EXTERIEURS**
[72] APONTE LUIS, JUAN, ES
[73] ONTECH SECURITY, SL, ES
[85] 2016-03-22
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[54] **CABLE DE COMMUNICATION OPTIQUE**
[72] EMMERICH, MICHAEL, DE
[72] MCALPINE, WARREN WELBORN, US
[72] WUENSCH, GUENTER, DE
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
[85] 2016-03-22
[86] 2014-09-19 (PCT/US2014/056478)
[87] (WO2015/047896)
[30] US (61/883,286) 2013-09-27
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[51] **Int.Cl. F01D 25/12 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01) F02C 7/14 (2006.01) F28D 15/02 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE COMPONENT WITH INTEGRATED HEAT PIPE**
[54] **COMPOSANTE DE MOTEUR DE TURBINE A GAZ DOTEE D'UN TUYAU DE CHAUFFAGE INTEGRE**
[72] GERSTLER, WILLIAM DWIGHT, US
[72] KOSTKA, JAMES MICHAEL, US
[72] RAMBO, JEFFREY DOUGLAS, US
[72] MOORES, JOHN WILLIAM, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2925345)
[87] (2925345)
[22] 2016-03-30
[30] US (14/686,799) 2015-04-15

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[25] EN
[54] **LOOSEFILL INSULATION BLOWING MACHINE WITH REMOTE CONTROL ASSEMBLY**
[54] **MACHINE DE SOUFFLAGE D'ISOLANT EN VRAC DOTEE D'UN DISPOSITIF TELECOMMANDE**
[72] COOK, DAVID M., US
[72] RELYEA, CHRISTOPHER M., US
[72] ROBINSON, BRANDON, US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[86] (2925974)
[87] (2925974)
[22] 2016-04-06
[30] US (14/680,109) 2015-04-07

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[25] EN
[54] **CONJUGATED ANTIBODIES AGAINST LY75 FOR THE TREATMENT OF CANCER**
[54] **ANTICORPS CONJUGUE CONTRE LY75 POUR LE TRAITEMENT DU CANCER**
[72] TERRETT, JONATHAN ALEXANDER, US
[72] ACKROYD, JAMES EDWARD, GB
[73] OXFORD BIOTHERAPEUTICS LTD, GB
[85] 2016-04-04
[86] 2014-10-10 (PCT/GB2014/053057)
[87] (WO2015/052537)
[30] US (61/890,098) 2013-10-11
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[25] EN
[54] **SMART HOME DEVICE FACILITATING USER-FRIENDLY SETUP EXPERIENCE**
[54] **DISPOSITIF DE DOMOTIQUE FAVORISANT UNE EXPERIENCE D'INSTALLATION CONVIVIALE**
[72] LE GUEN, SOPHIE, US
[72] SLOO, DAVID, US
[72] FADELL, ANTHONY M., US
[72] ROGERS, MATTHEW L., US
[72] HONJO, SHIGEFUMI, US
[72] LOGUE, JAY, US
[72] ERICKSON, GRANT, US
[72] WEBB, NICK, US
[72] BOYD, JEFFREY A., US
[72] SIMISTER, JAMES B., US
[72] BOETTCHER, JESSE W., US
[72] BRUCK, TIMO A., US
[72] COPPOCK, KEVIN, US
[72] ROSSI, SHINEY, US
[73] GOOGLE LLC, US
[85] 2016-04-05
[86] 2014-10-07 (PCT/US2014/059498)
[87] (WO2015/054254)
[30] US (61/887,969) 2013-10-07
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[51] **Int.Cl. F22B 21/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GAS INITIATED NATURAL CIRCULATION VERTICAL HEAT RECOVERY STEAM GENERATOR**
[54] **METHODE ET SYSTEME DE GENERATEUR DE VAPEUR A RECUPERATION DE CHALEUR A CIRCULATION VERTICALE NATURELLE AMORCEE AU GAZ**
[72] SHENOY, SURESH K., US
[72] TERDALKAR, RAHUL JAYANT, US
[72] BAUVER, WESLEY PAUL, II, US
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[86] (2926850)
[87] (2926850)
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[30] US (14/693,137) 2015-04-22

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[51] **Int.Cl. C07K 1/36 (2006.01)**
[25] EN
[54] **METHOD OF MICROWAVE VACUUM DRYING SPHERICAL-SHAPED PELLETS OF BIOLOGICAL MATERIALS**
[54] **PROCEDE DE SECHAGE SOUS VIDE AUX MICRO-ONDES DE GRANULES SPHERIQUES DE MATIERES BIOLOGIQUES**
[72] BHAMBHANI, AKHILESH, US
[72] EVANS, ROBERT K., US
[72] SINACOLA, JESSICA, US
[72] LIZZANO, REBECCA, US
[73] MERCK SHARP & DOHME LLC, US
[85] 2016-04-14
[86] 2014-10-13 (PCT/US2014/060220)
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[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING CABIN DISCHARGE AIR TO POWER A CYCLE**
[54] **MECANISME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT L'AIR DE DECHARGE D'UNE ENCEINTE POUR ALIMENTER UN CYCLE**
[72] BRUNO, LOUIS J., US
[72] SURAWSKI, ERIC, US
[72] ARMY, DONALD E., JR., US
[72] ZYWIAK, THOMAS M., US
[72] HIPSKY, HAROLD W., US
[72] KLINE, ERIN G., US
[72] RUSICH, RICHARD, US
[72] MALJANIAN, JOHN M., JR., US
[72] D'ORLANDO, PAUL M., US
[73] HAMILTON SUNDSTRAND CORPORATION, US
[86] (2928048)
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[30] US (14/695,537) 2015-04-24

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[51] **Int.Cl. C09C 3/10 (2006.01) C09C 1/36 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING POLYMER ENCAPSULATED TIO2 PARTICLES**
[54] **PROCEDE DE PREPARATION DE PARTICULES DE TIO2 ENCAPSULEES DE POLYMERE**
[72] BOHLING, JAMES C., US
[72] KELLY, DAVID G., US
[72] LUO, PU, US
[72] TIWARY, YOGESH, IN
[73] ROHM AND HAAS COMPANY, US
[86] (2929412)
[87] (2929412)
[22] 2016-05-09
[30] US (62/163,641) 2015-05-19

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[51] **Int.Cl. A63B 60/16 (2015.01) A63B 59/70 (2015.01) A63B 60/06 (2015.01) A63B 60/14 (2015.01)**
[25] EN
[54] **END CAP OF A HOCKEY STICK OR OTHER SPORTS IMPLEMENT**
[54] **EMBOUT DE BATON DE HOCKEY OU D'AUTRE ACCESSOIRE DE SPORT**
[72] JEAN, PHILIPPE, CA
[72] VAILLANCOURT, CHARLES, CA
[72] CARON KARDOS, JEAN-FREDERIK, CA
[73] BAUER HOCKEY LTD., CA
[86] (2929477)
[87] (2929477)
[22] 2016-05-06

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[51] **Int.Cl. F16L 55/16 (2006.01) F16L 55/18 (2006.01)**
[25] EN
[54] **EGR PIPE REPAIR KIT**
[54] **TROUSSE DE REPARATION DE TUYAU DE RGE**
[72] DEL ROSSA, JEFFREY, US
[73] DEL ROSSA, JEFFREY, US
[86] (2930367)
[87] (2930367)
[22] 2016-05-18
[30] US (US62/163,145) 2015-05-18
[30] US (US62/204,635) 2015-08-13

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[13] C
[51] **Int.Cl. F16K 11/074 (2006.01) F16K 11/12 (2006.01) F24D 19/10 (2006.01)**
[25] EN
[54] **A VALVE FOR AN INDOOR TEMPERATURE REGULATING SYSTEM AND AN AIR TEMPERATURE CONDITIONING UNIT COMPRISING SUCH VALVE**
[54] **VANNE POUR SYSTEME DE REGULATION DE TEMPERATURE INTERIEURE ET UNITE DE CONDITIONNEMENT DE TEMPERATURE D'AIR COMPRENANT LADITE VANNE**
[72] LARSSON, PER-AKE, SE
[72] LONKVIST, TORBJORN, SE
[73] ESBE AB, SE
[85] 2016-05-11
[86] 2014-11-19 (PCT/SE2014/051382)
[87] (WO2015/076740)
[30] SE (1330150-2) 2013-11-25
[30] SE (1430118-8) 2014-09-03

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[13] C
[51] **Int.Cl. A61B 18/12 (2006.01) A61B 17/285 (2006.01) A61B 17/3201 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **SURGICAL MULTI-TOOL AND METHOD OF USE**
[54] **OUTIL CHIRURGICAL POLYVALENT ET SON PROCEDE D'UTILISATION**
[72] SMITH, RYAN D., US
[73] DIVYZE, INC., US
[85] 2016-05-12
[86] 2014-11-19 (PCT/US2014/066432)
[87] (WO2015/077350)
[30] US (61/906,337) 2013-11-19

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[13] C
[51] **Int.Cl. F01D 5/14 (2006.01) F01D 9/02 (2006.01) F04D 29/38 (2006.01)**
[25] EN
[54] **COMPRESSOR AIRFOIL WITH COMPOUND LEADING EDGE PROFILE**
[54] **PROFIL AERODYNAMIQUE DE COMPRESSEUR A BORD D'ATTAQUE COMPOSE**
[72] HEIKURINEN, KARL, CA
[72] DUTTON, RONALD, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2930755)
[87] (2930755)
[22] 2016-05-19
[30] US (14/725,879) 2015-05-29

[11] **2,931,565**
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[51] **Int.Cl. G02C 7/04 (2006.01)**
[25] EN
[54] **COMFORT-OPTIMIZED CONTACT LENS SYTEM FOR NON-ROTATIONALLY SYMMETRIC EYE ABERRATION**
[54] **SYSTEME DE LENTILLE DE CONTACT A CONFORT OPTIMISE DESTINEE A CORRIGER L'ABERRATION DE L'OEIL SYMETRIQUE NON ROTATIONNELLE**
[72] JUBIN, PHILIPPE F., US
[72] MICHALSKI, JAMES, US
[72] OLIVARES-PETITO, GIOVANNA, US
[72] STRAKER, BENJAMIN J. K., US
[72] GERLIGAND, PIERRE-YVES, US
[73] JOHNSON & JOHNSON VISION CARE, INC., US
[86] (2931565)
[87] (2931565)
[22] 2016-05-30
[30] US (14/737,870) 2015-06-12

[11] **2,931,853**
[13] C
[51] **Int.Cl. C07K 14/03 (2006.01) A61K 39/245 (2006.01) A61P 31/22 (2006.01) A61P 37/04 (2006.01) C07K 7/08 (2006.01) C07K 14/035 (2006.01) C07K 14/045 (2006.01) C07K 14/05 (2006.01) C12N 15/38 (2006.01)**
[25] EN
[54] **HUMAN HERPESVIRUS TRIMERIC GLYCOPROTEIN B, PROTEIN COMPLEXES COMPRISING TRIMERIC GB AND THEIR USE AS VACCINES**
[54] **GLYCOPROTEINE B TRIMERE D'HERPESVIRUS HUMAIN, COMPLEXES PROTEIQUES COMPRENANT GB TRIMERE ET LEUR UTILISATION COMME VACCINS**
[72] CUI, XINLE, US
[72] SNAPPER, CLIFFORD M., US
[72] MOND, JAMES J., US
[73] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
[85] 2016-05-26
[86] 2014-12-11 (PCT/US2014/069856)
[87] (WO2015/089340)
[30] US (61/914,903) 2013-12-11

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[13] C
[51] **Int.Cl. B01J 20/22 (2006.01) B01D 53/02 (2006.01) B01D 53/62 (2006.01)**
[25] EN
[54] **REGENERATIVE ADSORBENTS OF MODIFIED AMINES ON NANO-STRUCTURED SUPPORTS**
[54] **ADSORBANTS REGENERABLES A BASE D'AMINES MODIFIEES SUR DES SUPPORTS NANOSTRUCTURES**
[72] GOEPPERT, ALAIN, US
[72] OLAH, GEORGE A., US
[72] PRAKASH, G. K. SURYA, US
[72] ZHANG, HANG, US
[73] UNIVERSITY OF SOUTHERN CALIFORNIA, US
[85] 2016-05-27
[86] 2014-11-04 (PCT/US2014/063850)
[87] (WO2015/084521)
[30] US (61/910,886) 2013-12-02

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[13] C
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/04 (2006.01)**
[25] EN
[54] **WEARABLE SOAKING PHYSIOTHERAPEUTIC DEVICE WITH INFLATABLE SEAL**
[54] **DISPOSITIF PHYSIOTHERAPEUTIQUE TREMPANT PORTABLE DOTE D'UN JOINT GONFLABLE**
[72] YANG, JIANQIAO, CA
[73] YANG, JIANQIAO, CA
[86] (2932084)
[87] (2932084)
[22] 2016-06-03
[30] CN (201520622183.0) 2015-08-18

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[51] **Int.Cl. B60L 15/38 (2006.01) B60L 15/32 (2006.01) B60R 16/03 (2006.01) B63H 21/17 (2006.01) B63H 21/21 (2006.01)**
[25] EN
[54] **SYNCHRONIZING MOTORS FOR AN ELECTRIC PROPULSION SYSTEM**
[54] **SYNCHRONISATION DE MOTEURS DESTINEE A UN SYSTEME DE PROPULSION ELECTRIQUE**
[72] ARMSTRONG, MICHAEL JAMES, US
[72] BLACKWELDER, MARK JON, US
[72] BOLLMAN, ANDREW MARK, US
[73] ROLLS-ROYCE CORPORATION, US
[73] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[86] (2932101)
[87] (2932101)
[22] 2016-06-03
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[25] EN
[54] **S1P3 ANTAGONISTS**
[54] **ANTAGONISTES DE S1P3**
[72] CARAMELLI, CHIARA, IT
[72] FEDERICO, CESARE, IT
[72] GABELLIERI, EMANUELE, CH
[72] MAGNANI, MATTEO, IT
[72] MICCO, IOLANDA, SG
[72] TERSTAPPEN, GEORG C., DE
[73] TEVA PHARMACEUTICAL INDUSTRIES LIMITED, IL
[85] 2016-05-31
[86] 2014-11-28 (PCT/EP2014/075986)
[87] (WO2015/082357)
[30] EP (13195372.1) 2013-12-02

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[51] **Int.Cl. G06F 3/041 (2006.01) G06F 3/0354 (2013.01) H04B 10/114 (2013.01) H04W 4/80 (2018.01) H04W 76/14 (2018.01) H04B 11/00 (2006.01)**
[25] EN
[54] **BINDING OF AN APPARATUS TO A COMPUTING DEVICE**
[54] **LIAISON D'UN APPAREIL A UN DISPOSITIF INFORMATIQUE**
[72] BATHICHE, STEVEN NABIL, US
[72] WHITMAN, CHRISTOPHER A., US
[72] RICHE, YANN FLORIAN DANIEL, US
[72] WILLIAMS, SARAH GRAHAM, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2016-05-31
[86] 2014-11-24 (PCT/US2014/066993)
[87] (WO2015/088747)
[30] US (14/104,668) 2013-12-12

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[13] C
[51] **Int.Cl. A47B 97/00 (2006.01)**
[25] EN
[54] **MODULAR WALLS WITH EMBEDDED FURNITURE AND OPPOSING FEATURE**
[54] **PAROIS MODULAIRES DOTEES DE MOBILIER INTEGRE ET DE FONCTIONNALITE D'OPPOSITION**
[72] GOSLING, GEOFF, CA
[72] BLEHM, COLIN, CA
[73] DIRTT ENVIRONMENTAL SOLUTIONS, LTD., CA
[86] (2932533)
[87] (2932533)
[22] 2016-06-08
[30] US (62/293,568) 2016-02-10
[30] US (62/293,573) 2016-02-10

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[13] C
[51] **Int.Cl. B64D 31/00 (2006.01) B64C 11/00 (2006.01) B64D 27/24 (2006.01)**
[25] EN
[54] **VARYING QUANTITIES OF MOTOR POLES FOR NOISE REDUCTION**
[54] **VARIATION DE QUANTITES DE BORNES MOTEURS EN VUE DE LA REDUCTION DU BRUIT**
[72] ARMSTRONG, MICHAEL JAMES, US
[72] BLACKWELDER, MARK JON, US
[72] EAMES, DAVID JOHN HOWARD, US
[72] CHONG, ELLIS FUI HEN, US
[73] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[73] ROLLS-ROYCE CORPORATION, US
[73] ROLLS-ROYCE PLC, GB
[86] (2932597)
[87] (2932597)
[22] 2016-06-08
[30] US (62/174,065) 2015-06-11

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[13] C
[51] **Int.Cl. F16J 15/447 (2006.01)**
[25] EN
[54] **LABYRINTH SEAL WITH TUNABLE FLOW SPLITTER**
[54] **JOINT LABYRINTHE DOTE D'UN DIVISEUR DE FLUX MODULABLE**
[72] MUNSON, JOHN, US
[72] BURNSIDE, PHILLIP H., US
[73] ROLLS-ROYCE CORPORATION, US
[86] (2932601)
[87] (2932601)
[22] 2016-06-08
[30] US (62/180,676) 2015-06-17

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[13] C
[51] **Int.Cl. G01V 3/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR DETECTING OBSCURED FEATURES**
[54] **APPAREIL ET METHODE DE DETECTION DE CARACTERISTIQUES OBSCURCIES**
[72] DORROUGH, DAVID M., US
[73] DORROUGH, DAVID M., US
[86] (2932776)
[87] (2932776)
[22] 2016-06-09
[30] US (62/183,189) 2015-06-23
[30] US (15/136,570) 2016-04-22

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[13] C
[51] **Int.Cl. H02K 49/04 (2006.01) H02K 49/02 (2006.01)**
[25] EN
[54] **AN ASSEMBLY TO CONTROL OR GOVERN RELATIVE SPEED OF MOVEMENT BETWEEN PARTS**
[54] **ENSEMBLE PERMETTANT DE CONTROLER OU DE COMMANDER LA VITESSE RELATIVE DE MOUVEMENT ENTRE DES PARTIES**
[72] DIEHL, ANDREW KARL, NZ
[72] WRIGHT, KEVIN A., NZ
[73] EDDY CURRENT LIMITED PARTNERSHIP, NZ
[85] 2016-06-07
[86] 2014-12-16 (PCT/NZ2014/000245)
[87] (WO2015/093983)
[30] NZ (619034) 2013-12-16

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[51] **Int.Cl. C12P 7/26 (2006.01) C12N 9/04 (2006.01) C12N 9/10 (2006.01) C12P 7/24 (2006.01) C12P 7/40 (2006.01)**
[25] EN
[54] **PROCESSES TO PREPARE ELONGATED 2-KETOACIDS AND C6-C10 COMPOUNDS THEREFROM VIA GENETIC MODIFICATIONS TO MICROBIAL METABOLIC PATHWAYS**
[54] **PROCEDES DE PREPARATION DE 2-CETOACIDES ALLONGES ET DE COMPOSES EN C6-C10 A PARTIR DE CEUX-CI PAR MODIFICATIONS GENETIQUES VERS DES VOIES METABOLIQUES MICROBIENNES**
[72] SANGHANI, PARESH C., US
[72] STOWERS, CHRISTOPHER C., US
[72] RODRIGUEZ, BRANDON A., US
[72] VENKATESWARAN, AMUDHAN, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2016-06-09
[86] 2014-12-10 (PCT/US2014/069438)
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[30] US (61/915,040) 2013-12-12

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[51] **Int.Cl. B63B 17/02 (2006.01) E04F 10/00 (2006.01) E04H 15/02 (2006.01) E04H 15/06 (2006.01)**
[25] EN
[54] **ONE-SIDED CANTILEVERED WATERCRAFT CANOPY**
[54] **AUVENT D'EMBARCATION EN PORTE-A-FAUX A UN COTE**
[72] LEVIN, KERRY, US
[73] DESIGNER DIRECT, INC., D/B/A LEVIN ASSOCIATES, US
[86] (2933478)
[87] (2933478)
[22] 2016-06-17
[30] US (62181979) 2015-06-19

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[51] **Int.Cl. C07J 1/00 (2006.01) A61K 31/416 (2006.01) A61K 31/4166 (2006.01) A61K 31/4439 (2006.01) A61K 31/56 (2006.01) A61K 31/713 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) G01N 33/566 (2006.01)**
[25] EN
[54] **GLUCOCORTICOID INHIBITORS FOR TREATMENT OF PROSTATE CANCER**
[54] **INHIBITEURS DE GLUCOCORTICOIDES POUR LE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] ARORA, VIVEK, US
[72] SAWYERS, CHARLES L., US
[72] EVANS, MICHAEL J., US
[72] VEACH, DARREN R., US
[73] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[85] 2016-06-10
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[30] US (61/914917) 2013-12-11

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[54] **A RAPID AND SENSITIVE SEROLOGICAL ASSAY TO DETERMINE IF PATIENTS ARE INFECTED WITH HERPES SIMPLEX VIRUS TYPE 1 (HSV-1) AND/OR TYPE 2 (HSV-2)**
[54] **DOSAGE SEROLOGIQUE RAPIDE ET SENSIBLE POUR DETERMINER SI DES PATIENTS SONT INFECTES PAR LE VIRUS DE L'HERPES SIMPLEX DE TYPE 1 (HSV-1) ET/OU DE TYPE 2 (HSV-2)**
[72] HALFORD, WILLIAM P., US
[73] BOARD OF TRUSTEES, SOUTHERN ILLINOIS UNIVERSITY, US
[85] 2016-06-13
[86] 2014-12-17 (PCT/US2014/070915)
[87] (WO2015/095366)
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[25] EN
[54] **CANCER IMMUNOTHERAPY BY DELIVERING CLASS II MHC ANTIGENS USING A VLP-REPLICON**
[54] **IMMUNOTHERAPIE CONTRE LE CANCER PAR DELIVRANCE D'ANTIGENES DU CMH DE CLASSE II EN UTILISANT UN REPLICON DE PARTICULES PSEUDO-VIRALES**
[72] CHATTERJEE, DEB K., US
[72] KACZMARCZYK, STANISLAW J., US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
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[51] **Int.Cl. E21B 37/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CLEANING WELLS AND PIPE LINES**
[54] **APPAREIL ET METHODE DE NETTOYAGE DE PUITS ET DE PIPELINES**
[72] VANDIGRIFF, JOHN EDWARD, US
[72] ORBECK, EINAR ARVID, US
[73] WATERELECTRICENERGY, LLC, US
[86] (2934113)
[87] (2934113)
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[25] EN
[54] **LUBRICATION FOR AN EXPENDABLE BEARING**
[54] **LUBRIFICATION DE PALIER EXTENSIBLE**
[72] COPELAND, ANDREW D., US
[72] PRICE, CRAIG M., US
[73] ROLLS-ROYCE CORPORATION, US
[73] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[86] (2934173)
[87] (2934173)
[22] 2016-06-27
[30] US (62/185,876) 2015-06-29
[30] US (15/158,076) 2016-05-18

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[51] **Int.Cl. A61F 2/24 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRANSCATHETER TREATMENT OF VALVE REGURGITATION**
[54] **SYSTEMES ET METHODES POUR LE TRAITEMENT PAR TRANS-CATHETER DE REGURGITATION MITRALE**
[72] KHAIRKHAHAN, ALEXANDER K., US
[72] LESH, MICHAEL D., US
[72] KLENK, ALAN R., US
[73] POLARES MEDICAL INC., US
[85] 2016-06-16
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[30] US (61/895,647) 2013-10-25
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[25] EN
[54] **ADDITIVE PACKAGE FOR MARINE ENGINE LUBRICATION**
[54] **ENSEMBLE D'ADDITIFS DESTINE A LA LUBRIFICATION D'UN MOTEUR DE BATEAU**
[72] HOUGH, ROBERT CHARLES, GB
[72] ANGONESI, LUCIANA GARCIA, GB
[72] WATTS, PETER DOUGLAS, GB
[73] INFINEUM INTERNATIONAL LIMITED, GB
[86] (2934722)
[87] (2934722)
[22] 2016-06-30
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[25] FR
[54] **AUTOMATIC PILOT SYSTEM FOR AIRCRAFT AND ASSOCIATED PROCESS**
[54] **SYSTEME DE PILOTAGE AUTOMATIQUE D'AERONEF ET PROCEDE ASSOCIE**
[72] TURPIN, ARNAUD, FR
[72] LE CORRE, NICOLAS, FR
[73] DASSAULT AVIATION, FR
[86] (2935753)
[87] (2935753)
[22] 2016-07-08
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[25] EN
[54] **HEALTH MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE LA SANTE**
[72] RUSU, ANA, SE
[72] DUENAS, SAUL ALEJANDRO RODRIGUEZ, SE
[72] OLLMAR, STIG, SE
[73] D.T.R. DERMAL THERAPY RESEARCH INC., CA
[85] 2016-07-11
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[54] **A GRINDING WHEEL**
[54] **UNE ROUE DE MEULAGE**
[72] FICAI, PAOLO, IT
[73] FICAI, PAOLO, IT
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[87] (2937094)
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[54] **ENGINE FUEL SYSTEM FOR USE WITH COMPOSITE AIRCRAFT**
[54] **SYSTEME DE CARBURANT MOTEUR DESTINE A UN AERONEF COMPOSITE**
[72] SHAFIQUE, HARRIS, CA
[72] WADDLETON, DAVID, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2937306)
[87] (2937306)
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[25] EN
[54] **MIXING APPARATUS AND SYSTEM**
[54] **APPAREIL ET DISPOSITIF DE MELANGE**
[72] PULLMAN, DOUGLAS G., CA
[72] WOODS, ROGER H., CA
[73] SURFACE TO SURFACE INC., CA
[86] (2937341)
[87] (2937341)
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[25] EN
[54] **SYSTEMS AND METHODS FOR WOUND MONITORING**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE DE PLAIE**
[72] SAXBY, CARL, GB
[72] HICKS, JOHN KENNETH, GB
[72] HAMMOND, VICTORIA JODY, GB
[72] CUVELIER, SEBASTIEN ANTOINE YVES, GB
[72] WICKS, BENJAMIN, GB
[73] SMITH & NEPHEW PLC, GB
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[86] 2015-01-20 (PCT/EP2015/050964)
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[25] EN
[54] **METHODS FOR DETECTING MULTIPLE NUCLEIC ACIDS IN A SAMPLE**
[54] **PROCEDES POUR DETECTER PLUSIEURS ACIDES NUCLEIQUES DANS UN ECHANTILLON**
[72] ULLRICH, THOMAS, DE
[73] ALERE TECHNOLOGIES GMBH, DE
[85] 2016-07-25
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[25] EN
[54] **DENTAL COMPOSITIONS CONTAINING UPCONVERSION PHOSPHORS AND METHODS OF USE**
[54] **COMPOSITIONS DENTAIRES COMPRENANT DES LUMINOPHORES DE CONVERSION ASCENDANTE ET PROCEDES D'UTILISATION**
[72] KARAZIVAN, NAIM, CA
[72] LU, HUI, US
[72] ERTL, THOMAS, DE
[73] DENTSPLY INTERNATIONAL INC., US
[85] 2016-05-16
[86] 2014-12-31 (PCT/US2014/072918)
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[54] **SYSTEMS AND METHODS FOR CONTINUOUS ACTIVE DATA SECURITY**
[54] **SYSTEMES ET PROCEDES DE SECURITE DE DONNEES ACTIVE CONTINUE**
[72] OGAWA, STUART, US
[73] NASDAQ, INC., US
[85] 2016-07-29
[86] 2015-01-29 (PCT/CA2015/050063)
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[54] **GROUND ENGAGING TOOTH ASSEMBLIES**
[54] **ENSEMBLES DE DENTS D'ENGAGEMENT AU SOL**
[72] BALAN, MIHAI M., US
[72] SERRURIER, DOUGLAS, US
[73] CATERPILLAR INC., US
[86] (2938522)
[87] (2938522)
[22] 2016-08-09
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[51] **Int.Cl. G06Q 10/0833 (2023.01) G01S 13/74 (2006.01)**
[25] EN
[54] **OBJECT TRACKING METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE SUIVI D'UN OBJET**
[72] HYATT, ANTHONY, US
[72] WITTY, STEPHEN, US
[72] HENRY, KEVIN, US
[73] FEDEX CORPORATE SERVICES, INC., US
[85] 2016-08-04
[86] 2015-01-06 (PCT/US2015/010261)
[87] (WO2015/119731)
[30] US (14/174,642) 2014-02-06

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[25] EN
[54] **BRAZING AND SOLDERING ALLOY WIRES**
[54] **FILS EN ALLIAGE DE BRASAGE ET DE SOUDAGE**
[72] MIKLOS, MARK, US
[72] ZIANI, ABDELOUAHAB, US
[73] MORGAN ADVANCED CERAMICS, INC, US
[85] 2016-08-09
[86] 2015-02-19 (PCT/EP2015/053486)
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[30] US (61/942,208) 2014-02-20

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[25] EN
[54] **FIRE DOOR STOP SYSTEM**
[54] **MECANISME D'ARRET DE PORTE COUPE-FEU**
[72] NOBLE, CHARLES A., III, US
[73] CROWN FIRE DOOR PRODUCTS, INC., US
[86] (2939255)
[87] (2939255)
[22] 2016-08-18
[30] US (14/830,350) 2015-08-19

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[25] EN
[54] **PEPTIDES THAT BLOCK LEUKOCYTE RECRUITMENT AND METHODS OF USE**
[54] **PEPTIDES QUI BLOQUENT LE RECRUTEMENT DES LEUCOCYTES, ET PROCEDES D'UTILISATION**
[72] ROBBINS, STEPHEN MARK, CA
[72] SENGER, DONNA LORRAINE, CA
[72] RAHN, JENNIFER JOY, CA
[72] KUBES, PAUL, CA
[73] ARCH CANCER THERAPEUTICS, INC., CA
[85] 2016-08-10
[86] 2015-02-13 (PCT/CA2015/000078)
[87] (WO2015/120536)
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[25] EN
[54] **ANTI SIRP-ALPHA ANTIBODIES AND BI-SPECIFIC MACROPHAGE ENHANCING ANTIBODIES**
[54] **ANTICORPS ANTI-SIRP-ALPHA ET ANTICORPS BISPECIFIQUES DE STIMULATION DES MACROPHAGES**
[72] WEISKOPF, KIPP ANDREW, US
[72] RING, AARON MICHAEL, US
[72] VOLKMER, JENS-PETER, US
[72] WEISSMAN, IRVING L., US
[72] RING, NAN GUO, US
[73] THE BOARD OF TRUSTEES OF THE LELAND STANDFORD JUNIOR UNIVERSITY, US
[85] 2016-08-10
[86] 2015-03-11 (PCT/US2015/019954)
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[54] **HYDRAULIC DELAY TOE VALVE SYSTEM AND METHOD**
[54] **MECANISME DE SOUPAPE A BUTEE A DELAIS HYDRAULIQUE**
[72] GEORGE, KEVIN R., US
[72] ROLLINS, JAMES A., US
[72] HARDESTY, JOHN T., US
[72] WESSON, DAVID S., US
[73] GEODYNAMICS, INC., US
[86] (2939553)
[87] (2939553)
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[25] EN
[54] **MOMENT RESISTING KNEEWALL CONNECTOR**
[54] **CONNECTEUR DE PAROI DE GENOU RESISTANT AU MOMENT**
[72] DAUDET, LARRY RANDALL, US
[72] LIN, JIN-JIE, US
[72] STAUFFER, TIMOTHY M., US
[72] NGUYEN, HIEN, US
[73] SIMPSON STRONG-TIE COMPANY, INC., US
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[87] (2939792)
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[54] **FIRE EXTINGUISHING COMPOSITIONS**
[54] **COMPOSITIONS D'EXTINCTION D'INCENDIE**
[72] PAI, CHIEN NAN, TW
[72] CHANG-MATEU, I-HWA MIDEY, US
[73] HYDRANT INTERNATIONAL TRADING CO., LTD., TW
[85] 2016-08-16
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[25] EN
[54] **METHOD FOR MAINTENANCE OF URETHRAL CATHETERS**
[54] **PROCEDE DE MAINTIEN DE CATHETERS URETRAUX**
[72] WOODY, STEVEN THOMAS, US
[73] AVADIM TECHNOLOGIES, INC., US
[85] 2016-08-16
[86] 2015-02-23 (PCT/US2015/017151)
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[30] US (61/943,287) 2014-02-21
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[54] **SUPPORT BRACKET FOR COMBINE HEADER**
[54] **MONTANT DE SUPPORT DESTINE A UNE MOISSONNEUSE-BATTEUSE**
[72] MOSSMAN, MICHAEL W., US
[73] DEERE & COMPANY, US
[86] (2940386)
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[25] EN
[54] **METHODS FOR ANALYSIS OF SOMATIC MOBILE ELEMENTS, AND USES THEREOF**
[54] **PROCEDES POUR L'ANALYSE D'ELEMENTS MOBILES SOMATIQUES, ET LEURS UTILISATIONS**
[72] BROWN, KEITH, US
[73] JUMPCODE GENOMICS, INC., US
[85] 2016-08-24
[86] 2015-02-27 (PCT/US2015/018115)
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[25] EN
[54] **SEED DISPERSION UNIT**
[54] **MODULE DE DISPERSION DE SEMENCE**
[72] BORKGREN, STANLEY R., US
[73] DEERE & COMPANY, US
[86] (2940719)
[87] (2940719)
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[25] EN
[54] **PIGMENTED PAINT FORMULATION WITH A PHOSPHORUS ACID FUNCTIONALIZED LATEX BINDER AND AN ASSOCIATIVE THICKENER**
[54] **FORMULE DE PEINTURE PIGMENTEE RENFERMANT UN LIANT FONCTIONNALISE A L'ACIDE PHOSPHORIQUE ET UN AGENT EPAISSISSANT ASSOCIATIF**
[72] BOHLING, JAMES C., US
[72] BROWNELL, ARNOLD S., US
[72] GUO, JIHUI, US
[72] HENDERSON, KEVIN J., US
[72] KILLIAN, ERICKA LYNN, US
[72] RABASCO, JOHN J., US
[72] SAUCY, DANIEL A., US
[72] STRACKE, JORDAN, US
[73] ROHM AND HAAS COMPANY, US
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[54] **CORN HEAD ROW UNIT GEARBOX LUBRICATION**
[54] **LUBRIFICATION D'ENGRENAGE DE RECOLTEUR DE MAIS**
[72] PEREZ, JAVIER J., ES
[72] BERNKLAU, NATHANIEL R., US
[72] BOMLENY, DUANE M., US
[72] CABEZAS, SARA, ES
[72] VANDEVEN, MICHAEL L., US
[72] SANZ, GUILLERMO G., ES
[72] RUPEREZ, RUBEN R., ES
[72] BADHE, PRAFULLA S., IN
[73] DEERE & COMPANY, US
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[25] EN
[54] **APPARATUS HAVING CONNECTION MODULE FOR USE WITH ELECTRICAL MODULE**
[54] **APPAREIL COMPORTANT UN MODULE DE CONNEXION DESTINE A UNE UTILISATION AVEC UN MODULE ELECTRIQUE**
[72] MONTAZERI, SHAHRAM, CA
[73] 2765397 ONTARIO INC., CA
[86] (2941068)
[87] (2941068)
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[25] EN
[54] **SMOKE GENERATION COOKING SYSTEM AND METHODS**
[54] **APPAREIL DE CUISSON GENERANT DE LA FUMEE ET METHODES**
[72] COLSTON, MICHAEL, US
[73] TRAEGER PELLET GRILLS, LLC, US
[85] 2016-09-08
[86] 2016-06-24 (PCT/US2016/039271)
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[25] EN
[54] **ALMOND-BASED FOOD PRODUCTS WITH IMPROVED TASTE CHARACTERISTICS**
[54] **PRODUITS ALIMENTAIRES A BASE D'AMANDE AYANT DES CARACTERISTIQUES DE GOUT AMELIOREES**
[72] BRINGE, NEAL ALLAN, US
[73] WHITEWAVE SERVICES, INC., US
[86] (2941481)
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[51] **Int.Cl. G07F 17/32 (2006.01) H05B 47/10 (2020.01) G04G 7/00 (2006.01)**
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[54] **TIME SYNCHRONIZATION OF GAMING MACHINES**
[54] **SYNCHRONISATION TEMPORELLE DE MACHINES DE JEU**
[72] HIGGINS, KEVIN M., US
[72] NELSON, DWAYNE R., US
[72] LEMAY, STEVEN G., US
[72] PRICE, DERRICK, US
[73] IGT, US
[86] (2941774)
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[54] **MILITARY ELECTRO-OPTICAL SENSOR TRACKING**
[54] **SUIVI DE CAPTEUR ELECTRO-OPTIQUE MILITAIRE**
[72] ROTVOLD, OYVIND, NO
[73] BORESIGHT AND ALIGNMENT SYSTEMS AS, NO
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[54] **AGRICULTURAL VEHICLE CONVEYANCE LINKAGE**
[54] **LIEN DE TRANSPORT DE VEHICULE AGRICOLE**
[72] PIKESH, DERRYN W., US
[72] KILLEN, DALE H., US
[73] DEERE & COMPANY, US
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[54] **CASQUE**
[72] DUROCHER, JACQUES, CA
[72] GENEREUX, MARIE-CLAUDE, CA
[73] BAUER HOCKEY LTD., CA
[86] (2942637)
[87] (2942637)
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[25] EN
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[54] **ASSEMBLAGE DE CARENAGE DESTINE A UNE TURBINE A GAZ**
[72] PITT, SIMON, GB
[73] ROLLS-ROYCE PLC, GB
[86] (2942756)
[87] (2942756)
[22] 2016-09-22
[30] GB (1518131.6) 2015-10-14

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[25] EN
[54] **SYSTEM AND METHOD FOR ANALYZING WELLBORE SURVEY DATA TO DETERMINE TORTUOSITY OF THE WELLBORE USING DISPLACEMENTS OF THE WELLBORE PATH FROM REFERENCE LINES**
[54] **SYSTEME ET PROCEDE D'ANALYSE DES DONNEES DE RELEVE DE PUITS DE FORAGE POUR DETERMINER LA TORTUOSITE DU PUITS DE FORAGE EN UTILISANT LES DECALAGES DU TRAJET DU PUITS DE FORAGE PAR RAPPORT A DES LIGNES DE REFERENCE**
[72] BANG, JON, US
[72] JEGBEFUME, ONYEMELEM, US
[72] LEDROZ, ADRIAN GUILLERMO, US
[72] WESTON, JOHN LIONEL, US
[73] GYRODATA, INCORPORATED, US
[85] 2016-09-15
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[30] US (61/943,205) 2014-02-21
[30] US (62/050,019) 2014-09-12
[30] US (62/085,035) 2014-11-26
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[51] **Int.Cl. E21B 43/24 (2006.01)**
[25] EN
[54] **PRODUCTION OF HYDROCARBON USING DIRECT-CONTACT STEAM GENERATION**
[54] **PRODUCTION D'HYDROCARBURE PAR GENERATION DE VAPEUR EN CONTACT DIRECT**
[72] ACOSTA-RAMIREZ, HUGO, CA
[72] PUGSLEY, TODD, CA
[73] SUNCOR ENERGY INC., CA
[86] (2943314)
[87] (2943314)
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[25] EN
[54] **RADIOTHERAPY BOARD AND COUCH**
[54] **PLATEAU ET TABLE DE RADIOTHERAPIE**
[72] DE NEVE, WILFRIED, BE
[72] SPELEERS, BRUNO, BE
[72] BOUTE, BERT, BE
[72] VELDEMAN, LIV, BE
[73] UNIVERSITEIT GENT, BE
[85] 2016-09-20
[86] 2015-03-24 (PCT/EP2015/056176)
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[25] EN
[54] **METHOD AND APPARATUS OF MONITORING FOOT INFLAMMATION**
[54] **PROCEDE ET APPAREIL DE SURVEILLANCE D'UNE INFLAMMATION DU PIED**
[72] PETERSEN, BRIAN, US
[72] BLOOM, JONATHAN DAVID, US
[72] LINDERS, DAVID ROBERT, US
[72] ENGLER, JEFFREY MARK, US
[73] PODIMETRICS, INC., US
[85] 2016-09-20
[86] 2015-03-19 (PCT/US2015/021568)
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[30] US (61/968,696) 2014-03-21

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[25] EN
[54] **WEDGE OF A TRANSITION FOR CABLES ETC.**
[54] **COIN DESTINE A UNE TRANSITION DE CABLES**
[72] PETERSSON, JOAKIM, SE
[73] ROXTEC AB, SE
[86] (2943384)
[87] (2943384)
[22] 2016-09-26
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[13] C
[51] **Int.Cl. G01V 8/02 (2006.01) G01V 11/00 (2006.01)**
[25] EN
[54] **360-DEGREE CORE PHOTO IMAGE INTEGRATION AND INTERPRETATION IN A 3D PETROPHYSICAL MODELING ENVIRONMENT**
[54] **INTEGRATION ET INTERPRETATION D'IMAGES PHOTOGRAPHIQUES DE CAROTTE A 360 DEGRES DANS UN ENVIRONNEMENT DE MODELISATION PETROPHYSIQUE 3D**
[72] SUNG, ROGER R., SA
[72] LI, YUNSHENG, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2016-09-23
[86] 2015-03-25 (PCT/US2015/022492)
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[25] EN
[54] **SYSTEMS AND COMPUTER-IMPLEMENTED PROCESSES FOR PROVIDING ELECTRONIC NOTIFICATIONS**
[54] **SYSTEMES ET PROCESSUS MIS EN OEUVRE PAR ORDINATEUR POUR FOURNIR DES NOTIFICATIONS ELECTRONIQUES**
[72] KOEPPEL, ADAM R., US
[72] NIDERBERG, ALEX LEO, US
[73] CAPITAL ONE SERVICES, LLC, US
[85] 2016-10-06
[86] 2015-04-08 (PCT/US2015/024990)
[87] (WO2015/157460)
[30] US (61/977,379) 2014-04-09

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[13] C
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/40 (2006.01)**
[25] EN
[54] **COOPERATIVE CHEMICAL ADSORPTION OF ACID GASES IN FUNCTIONALIZED METAL-ORGANIC FRAMEWORKS**
[54] **ADSORPTION CHIMIQUE COOPERATIVE DE GAZ ACIDES DANS DES STRUCTURES ORGANOMETALLIQUES FONCTIONNALISEES**
[72] LONG, JEFFREY, US
[72] MCDONALD, THOMAS, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2016-10-13
[86] 2015-04-22 (PCT/US2015/027165)
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[30] US (61/982,620) 2014-04-22

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[25] EN
[54] **COMBINATION OF LENALIDOMIDE OR POMALIDOMIDE AND CD38 ANTIBODY-ATTENUATED INTERFERON-ALPHA CONSTRUCTS, AND THE USE THEREOF**
[54] **COMBINAISON DE LENALIDOMIDE ET D'UNE CONSTRUCTION DE POLYPEPTIDE, ET SES UTILISATIONS**
[72] POGUE, SARAH L., US
[72] WILSON, DAVID S., US
[72] DOYLE, ANTHONY GERARD, AU
[72] BEHRENS, COLLETTE JANE, AU
[73] TEVA PHARMACEUTICALS AUSTRALIA PTY LTD, AU
[85] 2016-10-14
[86] 2015-05-01 (PCT/IB2015/001600)
[87] (WO2015/181641)
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[25] EN
[54] **BI-TERMINAL PEGYLATED INTEGRIN-BINDING PEPTIDES AND METHODS OF USE THEREOF**
[54] **PEPTIDES DE LIAISON A L'INTEGRINE PEGYLES AUX DEUX EXTREMITES TERMINALES LEURS PROCEDES D'UTILISATION**
[72] HAUSNER, SVEN H., US
[72] SUTCLIFFE, JULIE L., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2016-10-14
[86] 2015-04-14 (PCT/US2015/025700)
[87] (WO2015/160770)
[30] US (61/979,997) 2014-04-15

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[51] **Int.Cl. B01J 29/06 (2006.01) B01J 35/10 (2006.01) C10G 45/64 (2006.01)**
[25] EN
[54] **MIDDLE DISTILLATE HYDROCRACKING CATALYST WITH A BASE EXTRUDATE HAVING A HIGH NANOPORE VOLUME**
[54] **CATALYSEUR D'HYDROCRAQUAGE DE DISTILLAT MOYEN A EXTRUDAT DE BASE AYANT UN VOLUME DE NANOPORE ELEVE**
[72] ZHANG, YIHUA, US
[72] MAESEN, THEODORUS LUDOVICUS MICHAEL, US
[73] CHEVRON U.S.A. INC., US
[85] 2016-10-18
[86] 2015-04-21 (PCT/US2015/026814)
[87] (WO2015/164334)
[30] US (14/260,421) 2014-04-24
[30] US (14/260,441) 2014-04-24
[30] US (14/260,456) 2014-04-24
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[51] **Int.Cl. B22F 3/105 (2006.01) B33Y 10/00 (2015.01) F01D 9/02 (2006.01) F02C 7/28 (2006.01)**
[25] EN
[54] **TURBINE COMPONENT HAVING A SEAL SLOT AND ADDITIVE MANUFACTURING PROCESS FOR MAKING SAME**
[54] **COMPOSANT DE TURBINE COMPORTANT UNE FENTE DE JOINT ET PROCEDE DE FABRICATION ADDITIVE ASSOCIE**
[72] BUNKER, RONALD SCOTT, US
[72] CORREIA, VICTOR HUGO SILVA, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2946560)
[87] (2946560)
[22] 2016-10-27
[30] US (14/936,783) 2015-11-10

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[51] **Int.Cl. G01N 23/223 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **ANALYTICAL METHOD FOR OPTIMIZING EFFICIENCY OF HYDROGEN SULFIDE SCAVENGERS**
[54] **METHODE ANALYTIQUE D'OPTIMISATION DE L'EFFICACITE DES RAVAGEURS DE SULFURE D'HYDROGENE**
[72] HORTON, DAVID, CA
[72] SODERBERG, JEFFREY, CA
[72] SUHAI, WES, CA
[73] CANADIAN ENERGY SERVICES L.P., CA
[86] (2946637)
[87] (2946637)
[22] 2016-10-27
[30] US (62/309,115) 2016-03-16

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[25] EN
[54] **LAMINATE PRODUCTION METHOD**
[54] **PROCEDE DE FABRICATION DE STRATIFIES**
[72] KALWA, NORBERT, DE
[73] FLOORING TECHNOLOGIES LTD., MT
[85] 2016-10-26
[86] 2015-06-15 (PCT/EP2015/001195)
[87] (WO2015/197164)
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[25] EN
[54] **INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING METHOD**
[54] **APPAREIL DE TRAITEMENT DE L'INFORMATION ET METHODE DE TRAITEMENT DE L'INFORMATION**
[72] HIRABAYASHI, MITSUHIRO, JP
[72] CHINEN, TORU, JP
[72] YAMAMOTO, YUKI, JP
[72] SHI, RUNYU, JP
[73] SONY CORPORATION, JP
[85] 2016-10-31
[86] 2015-05-22 (PCT/JP2015/064673)
[87] (WO2015/182491)
[30] JP (2014-113485) 2014-05-30
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[25] EN
[54] **WOOD PRESERVATIVE COMPOSITION**
[54] **COMPOSITION DE PRESERVATION DU BOIS**
[72] THOMPSON, KIMBERLEE, US
[72] THOMASON, SUSAN, US
[72] VALCKE, ALEX, BE
[72] CANTRELL, DAVID, GB
[73] ARCH WOOD PROTECTION, INC., US
[85] 2016-10-31
[86] 2015-04-30 (PCT/US2015/028616)
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[25] EN
[54] **COMPOSITIONS COMPRISING AAV EXPRESSING DUAL ANTIBODY CONSTRUCTS AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT UN VIRUS ADENO-ASSOCIE EXPRIMANT DES CONSTRUCTIONS A DOUBLE ANTICORPS ET LEURS UTILISATIONS**
[72] WILSON, JAMES M., US
[72] TRETIAKOVA, ANNA, US
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2016-10-31
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[25] EN
[54] **NEBULIZER**
[54] **NEBULISEUR**
[72] EICHER, JOACHIM, DE
[72] GATZ, JOSEF, DE
[72] MUELLER, MARKUS, DE
[72] WACHTEL, HERBERT, DE
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
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[86] 2015-05-04 (PCT/EP2015/000900)
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[30] EP (14001603.1) 2014-05-07

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[25] EN
[54] **CONTROL OF ARTHROPOD INFESTATION**
[54] **LUTTE CONTRE UNE INFESTATION PAR DES ARTHROPODES**
[72] WAKEFIELD, MAUREEN ELIZABETH, GB
[73] TERRAMERA EXCO HOLDINGS LTD., CA
[85] 2016-11-04
[86] 2015-06-11 (PCT/GB2015/000170)
[87] (WO2015/189542)
[30] GB (1410677.7) 2014-06-13

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[51] **Int.Cl. C12Q 1/6876 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/686 (2018.01)**
[25] EN
[54] **BIOMARKERS FOR RESPONSE TO PI3K INHIBITORS**
[54] **BIOMARQUEURS UTILISABLES POUR EVALUER LA REPONSE AUX INHIBITEURS DE LA PI3K**
[72] MOYNAHAN, MARY ELLEN, US
[72] GASKELL, ALICE, US
[73] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2016-11-07
[86] 2015-05-08 (PCT/US2015/029995)
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[30] US (61/991,165) 2014-05-09
[30] US (61/992,173) 2014-05-12
[30] US (62/004,518) 2014-05-29

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[13] C
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[25] EN
[54] **IMAGING SYSTEM FOR FUEL TANK ANALYSIS**
[54] **SYSTEME D'IMAGERIE DESTINE A L'ANALYSE DE RESERVOIR DE CARBURANT**
[72] ZAKRZEWSKI, RADOSLAW, US
[72] MILLER, MARK SHERWOOD, US
[72] LYNCH, MICHAEL A., US
[73] SIMMONDS PRECISION PRODUCTS, INC., US
[86] (2948754)
[87] (2948754)
[22] 2016-11-16
[30] US (15/015,851) 2016-02-04

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[13] C
[51] **Int.Cl. E06B 3/58 (2006.01) E06B 3/72 (2006.01) E06B 3/82 (2006.01)**
[25] EN
[54] **DOOR WITH FRAMELESS GLAZED UNIT, AND RELATED KIT AND METHODS**
[54] **PORTE COMPRENANT UNE UNITE VITREE SANS CADRE, ET KIT ET PROCEDES ASSOCIES**
[72] GOUGE, TIMOTHY D., US
[72] VAIDYA, ABHISHEK, US
[72] SWARTZMILLER, STEVEN B., US
[72] WALSH, JASON M., US
[72] ALLEN, ROBERT C., US
[73] MASONITE CORPORATION, US
[85] 2016-11-15
[86] 2015-07-10 (PCT/US2015/039895)
[87] (WO2016/007828)
[30] US (62/023,284) 2014-07-11

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[13] C
[51] **Int.Cl. B64D 47/00 (2006.01) B64D 11/00 (2006.01) G06F 3/14 (2006.01)**
[25] FR
[54] **DISPLAY SYSTEM FOR INFORMATION RELATIVE TO THE FLIGHT OF AN AIRCRAFT AND ASSOCIATED PROCESS**
[54] **SYSTEME DE VISUALISATION D'INFORMATIONS RELATIVES A UN VOL D'UN AERONEF ET PROCEDE ASSOCIE**
[72] SAEZ, JEAN-FRANCOIS, FR
[72] DRINAL, STEPHANE, FR
[73] DASSAULT AVIATION, FR
[86] (2949423)
[87] (2949423)
[22] 2016-11-23
[30] FR (1502551) 2015-12-08

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[13] C
[51] **Int.Cl. A61B 3/10 (2006.01) A61B 3/12 (2006.01)**
[25] EN
[54] **OPHTHALMIC IMAGING SYSTEM WITH AUTOMATIC RETINAL FEATURE DETECTION**
[54] **SYSTEME D'IMAGERIE OPHTALMIQUE A DETECTION AUTOMATIQUE DE CARACTERISTIQUE RETINIENNE**
[72] REN, HUGANG, US
[72] YU, LINGFENG, US
[73] ALCON INC., US
[85] 2016-11-17
[86] 2015-05-15 (PCT/US2015/031070)
[87] (WO2015/195247)
[30] US (14/309,618) 2014-06-19

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[13] C
[51] **Int.Cl. A61K 38/16 (2006.01) C07K 14/37 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **A FISH VACCINE COMPRISING A FUSION PROTEIN HAVING A FISH TRANSLOCAION SEQUENCE**
[54] **VACCIN POUR POISSONS COMPRENANT UNE PROTEINE DE FUSION AYANT UNE SEQUENCE DE TRANSFERT**
[72] WAWRA, STEPHAN, GB
[72] VAN WEST, PIETER, GB
[72] SECOMBES, CHRISTOPHER JOHN, GB
[73] THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN, GB
[85] 2016-11-24
[86] 2014-05-30 (PCT/GB2014/051655)
[87] (WO2014/191759)
[30] GB (1309664.9) 2013-05-30

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[51] **Int.Cl. G01N 33/50 (2006.01) B81B 7/00 (2006.01) C12M 1/34 (2006.01) C12M 1/38 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS INCLUDING A ROTARY VALVE FOR AT LEAST ONE OF SAMPLE PREPARATION OR SAMPLE ANALYSIS**
[54] **SYSTEMES ET PROCEDES COMPORTANT UNE VANNE ROTATIVE POUR UNE PREPARATION D'ECHANTILLON OU UNE ANALYSE D'ECHANTILLON**
[72] BOHM, SEBASTIAN, US
[72] ARAVANIS, ALEX, US
[72] HSIAO, ALEXANDER, US
[72] JAVANMARDI, BEHNAM, US
[72] KHURANA, TARUN, US
[72] TRAN, HAI QUANG, US
[72] AGHABABAZADEH, MAJID, US
[72] BOWEN, M. SHANE, US
[72] BOYANOV, BOYAN, US
[72] BUERMANN, DALE, US
[73] ILLUMINA, INC., US
[85] 2016-11-24
[86] 2015-06-03 (PCT/US2015/034053)
[87] (WO2015/187868)
[30] US (62/008,276) 2014-06-05

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[51] **Int.Cl. C07D 417/10 (2006.01) A61K 31/427 (2006.01) A61K 31/4439 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **THIAZOLIDINONE COMPOUNDS AND THEIR USE IN THE TREATMENT OF PSYCHIATRIC OR NEUROLOGICAL DISORDERS**
[54] **COMPOSES DE THIAZOLIDINONE ET UTILISATION DANS LE TRAITEMENT DE TROUBLESPSYCHIATRIQUES OU NEUROLOGIQUES**
[72] REYMOND, JEAN-LOUIS, CH
[72] NICOLUSSI, SIMON, CH
[72] GERTSCH, JURG, CH
[73] UNIVERSITAT BERN, CH
[85] 2016-11-25
[86] 2015-05-28 (PCT/EP2015/061915)
[87] (WO2015/181337)
[30] EP (14170449.4) 2014-05-28
[30] EP (14171024.4) 2014-06-03

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[13] C
[51] **Int.Cl. A61K 31/4184 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATING BRAIN CANCER**
[54] **COMPOSES POUR TRAITER LE CANCER DU CERVEAU**
[72] MEHRLING, THOMAS JORG, CH
[72] FESTUCCIA, CLAUDIO, IT
[73] EURO-CELTIQUE S.A., LU
[85] 2016-11-25
[86] 2015-03-26 (PCT/EP2015/056667)
[87] (WO2015/180865)
[30] GB (1409471.8) 2014-05-28

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[13] C
[51] **Int.Cl. G06Q 50/02 (2012.01) G06F 7/02 (2006.01) G06F 17/40 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS AND APPARATUS FOR GENERATING MUSIC RECOMMENDATIONS**
[54] **SYSTEMES, PROCEDES, ET APPAREIL DE GENERATION DE RECOMMANDATIONS MUSICALES**
[72] LOWE, RAYMOND, US
[72] WARD, CHRISTOPHER, US
[73] SIRIUS XM RADIO INC., US
[85] 2016-11-25
[86] 2015-05-29 (PCT/US2015/033314)
[87] (WO2015/184346)
[30] US (62/004,318) 2014-05-29
[30] US (62/011,523) 2014-06-12
[30] US (62/007,555) 2014-06-24

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[13] C
[51] **Int.Cl. A61K 38/28 (2006.01) A61K 38/26 (2006.01) A61P 3/00 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **COMPOSITION FOR TREATING DIABETES MELLITUS COMPRISING INSULIN AND A GLP-1/GLUCAGON DUAL AGONIST**
[54] **COMPOSITION UTILISABLE EN VUE DU TRAITEMENT DU DIABETE SUCRE ET CONTENANT DE L'INSULINE ET UN DOUBLE AGONISTE DU GLP-1/GLUCAGON**
[72] JUNG, SUNG YOUB, KR
[72] HWANG, SANG YOUN, KR
[72] KIM, SEUNG SU, KR
[72] CHOI, IN YOUNG, KR
[72] KWON, SE CHANG, KR
[73] HANMI PHARM. CO., LTD., KR
[85] 2016-11-29
[86] 2015-06-01 (PCT/KR2015/005455)
[87] (WO2015/183054)
[30] KR (10-2014-0066554) 2014-05-30

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[13] C
[51] **Int.Cl. B65D 88/28 (2006.01) G06Q 50/28 (2012.01) B65D 90/02 (2019.01) B65D 90/10 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR THE TRANSPORT AND STORAGE OF PROPPANT**
[54] **APPAREIL POUR LE TRANSPORT ET LE STOCKAGE D'AGENT DE SOUTENEMENT**
[72] OREN, JOHN, US
[72] OREN, JOSHUA, US
[73] OREN TECHNOLOGIES, LLC, US
[85] 2016-11-30
[86] 2015-06-12 (PCT/US2015/035635)
[87] (WO2015/192061)
[30] US (62/012,153) 2014-06-13
[30] US (62/012,165) 2014-06-13
[30] US (62/139,323) 2015-03-27

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[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 15/00 (2006.01) C12N 15/62 (2006.01) C12N 15/86 (2006.01) C12N 15/867 (2006.01)**
[25] EN
[54] **IMPROVED T CELL COMPOSITIONS**
[54] **COMPOSITIONS DE LYMPHOCYTES T AMELIOREES**
[72] FRIEDMAN, KEVIN, US
[73] 2SEVENTY BIO, INC., US
[85] 2016-12-01
[86] 2015-06-05 (PCT/US2015/034515)
[87] (WO2015/188119)
[30] US (62/008,957) 2014-06-06

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[13] C
[51] **Int.Cl. C12P 7/04 (2006.01) C10L 1/02 (2006.01) C12P 7/06 (2006.01) C12P 7/10 (2006.01) C12P 7/14 (2006.01) C12P 7/16 (2006.01) C12P 19/00 (2006.01)**
[25] FR
[54] **IBE FERMENTATION METHOD**
[54] **PROCEDE DE FERMENTATION IBE**
[72] LOPES FERREIRA, NICOLAS, FR
[72] AYMARD, CAROLINE, FR
[72] MARCHAL, REMY, FR
[72] MONOT, FREDERIC, FR
[73] IFP ENERGIES NOUVELLES, FR
[85] 2016-12-06
[86] 2015-06-29 (PCT/EP2015/064724)
[87] (WO2016/001156)
[30] FR (14/56294) 2014-07-01

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[13] C
[51] **Int.Cl. A61K 8/73 (2006.01) A61K 8/19 (2006.01) A61K 8/27 (2006.01) A61K 8/43 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL COMPOSITION COMPRISING CHLORHEXIDINE, CHITOSAN, AND A DIVALENT METAL ION**
[54] **COMPOSITION BUCCALE COMPRENANT DE LA CHLORHEXIDINE, DU CHITOSAN ET UN ION METALLIQUE BIVALENT**
[72] BERGLUND, THOMAS, NO
[73] MEDA OTC AB, SE
[85] 2016-12-07
[86] 2015-06-17 (PCT/EP2015/063518)
[87] (WO2015/193337)
[30] NO (20140765) 2014-06-18

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[13] C
[51] **Int.Cl. C07D 211/94 (2006.01) A61K 31/451 (2006.01) C07D 211/24 (2006.01) C07D 211/42 (2006.01) C07D 211/52 (2006.01)**
[25] EN
[54] **ANALOGS OF PRIDOPIDINE, THEIR PREPARATION AND USE**
[54] **ANALOGUES DE PRIDOPIDINE, LEUR PREPARATION ET UTILISATION**
[72] SCHMIDT, MALLE, EE
[72] PARI, MALLE, EE
[72] LAOS, MARIT, EE
[72] MAASALU, ANTS, EE
[72] KALJUSTE, KALLE, EE
[73] PRILENIA NEUROTHERAPEUTICS LTD., IL
[85] 2016-12-07
[86] 2015-06-29 (PCT/US2015/038349)
[87] (WO2016/003919)
[30] US (62/019,337) 2014-06-30
[30] US (62/076,436) 2014-11-06

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[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PYRAZOLOPYRIMIDINE DERIVATIVES USEFUL AS INHIBITORS OF BRUTON'S TYROSINE KINASE**
[54] **DERIVES DE PYRAZOLOPYRIMIDINE UTILES COMME INHIBITEURS DE LA TYROSINE KINASE DE BRUTON**
[72] CALDER, MATHEW, GB
[72] GUISOT, NICOLAS E. S., GB
[73] LOXO ONCOLOGY, INC., US
[85] 2016-12-07
[86] 2015-06-11 (PCT/GB2015/051719)
[87] (WO2015/189620)
[30] GB (1410430.1) 2014-06-11

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[13] C
[51] **Int.Cl. B01F 33/452 (2022.01) C12M 1/42 (2006.01) C12M 1/38 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR MAGNETIC MIXING**
[54] **APPAREIL ET PROCEDES DE MELANGE MAGNETIQUE**
[72] WHITMAN, DOUG, US
[72] HEISLER, JAMES, US
[72] BOZARTH, COLIN, US
[72] SIEW, GERMAINE, US
[72] COLLINS, CHARLES, US
[72] SMITH, ERIC, US
[73] LUMINEX CORPORATION, US
[85] 2016-12-08
[86] 2015-06-05 (PCT/US2015/034332)
[87] (WO2015/195357)
[30] US (62/013,648) 2014-06-18

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[13] C
[51] **Int.Cl. B60P 3/40 (2006.01) B60P 3/41 (2006.01) B60P 7/06 (2006.01)**
[25] EN
[54] **WEDGE SUPPORTED POSTS FOR A VEHICULAR LOAD PLATFORM**
[54] **MONTANTS SUPPORTES PAR UN COIN DESTINES A UNE PLATEFORME DE CHARGEMENT DE VEHICULE**
[72] LIN, WENJUN, CA
[72] STEIGER, MICHAEL, CA
[73] DOEPKER INDUSTRIES LTD., CA
[86] (2951805)
[87] (2951805)
[22] 2016-12-15

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[13] C
[51] **Int.Cl. H01R 13/66 (2006.01) G06Q 50/06 (2012.01) H02J 13/00 (2006.01)**
[25] EN
[54] **MOUNTABLE WALL RECEPTACLES INCLUDING CURRENT SENSING AND ADDRESSABLE IDENTIFICATION AND MONITORING FUNCTIONALITIES VIA POWER-LINE COMMUNICATION**
[54] **PRISES MURALES MONTABLES COMPRENANT DES FONCTIONNALITES DE DETECTION DE COURANT ET D'IDENTIFICATION ET DE SURVEILLANCE ADRESSABLES PAR L'INTERMEDIAIRE D'UNE COMMUNICATION DE SECTEUR ELECTRIQUE**
[72] RICCIUTI, ANTHONY THOMAS, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2951938)
[87] (2951938)
[22] 2016-12-16
[30] US (14/988,392) 2016-01-05

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[13] C
[51] **Int.Cl. C07K 14/705 (2006.01) A61K 47/64 (2017.01) A61K 38/17 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) C07K 1/113 (2006.01) C07K 7/06 (2006.01) C07K 19/00 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) C12Q 1/02 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **ISOLATED POLYPEPTIDES OF CD44 AND USES THEREOF**
[54] **POLYPEPTIDES ISOLES DE CD44 ET UTILISATIONS ASSOCIEES**
[72] NAOR, DAVID, IL
[72] ESHKAR-SEBBAN, LORA, IL
[72] AMAR, KEREN-OR, IL
[72] COHEN, SHMUEL, IL
[73] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[85] 2016-12-12
[86] 2015-07-15 (PCT/IL2015/050732)
[87] (WO2016/009436)
[30] US (62/024,719) 2014-07-15

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[13] C
[51] **Int.Cl. H01R 13/502 (2006.01) H01R 13/40 (2006.01)**
[25] EN
[54] **CONNECTION DEVICE FOR ELECTRICAL CONNECTION OF AN ELECTRICAL LOAD WITH A SOURCE OF ELECTRICAL POWER**
[54] **DISPOSITIF DE CONNEXION DESTINE A UNE CONNEXION ELECTRIQUE D'UNE CHARGE ELECTRIQUE AU MOYEN D'UNE SOURCE D'ALIMENTATION ELECTRIQUE**
[72] VO, DAI, US
[72] GOUHL, ERIK JEFFREY, US
[72] LU, ROBIN, CN
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2952260)
[87] (2952260)
[22] 2016-12-19
[30] US (15/002,647) 2016-01-21

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[13] C
[51] **Int.Cl. B32B 3/06 (2006.01) B32B 3/30 (2006.01) B32B 37/26 (2006.01) B32B 38/06 (2006.01)**
[25] EN
[54] **TEXTURED LAMINATE SHEET, AND PROCESS AND APPARATUS FOR MANUFACTURING TEXTURED LAMINATE SHEET**
[54] **PLAQUE STRATIFIEE TEXTUREE, ET PROCEDE ET APPAREIL DE FABRICATION D'UNE PLAQUE STRATIFIEE TEXTUREE**
[72] ARBESMAN, RAY, CA
[73] GRIPMETAL LIMITED, IE
[86] (2952340)
[87] (2952340)
[22] 2016-12-20

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[13] C
[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR SUTURING A TISSUE**
[54] **APPAREIL ET PROCEDE DE SUTURE DE TISSU**
[72] LORE, AVRAHAM RAMI, IL
[72] GONEN, YUVAL, IL
[73] ANCHORA MEDICAL LTD., IL
[85] 2016-12-14
[86] 2015-06-14 (PCT/IL2015/050599)
[87] (WO2015/193881)
[30] US (62/012,363) 2014-06-15

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[13] C
[51] **Int.Cl. B01J 29/06 (2006.01) B01J 29/064 (2006.01) F01N 3/20 (2006.01)**
[25] EN
[54] **MOLECULAR SIEVE CATALYST COMPOSITIONS, CATALYST COMPOSITES, SYSTEMS, AND METHODS**
[54] **COMPOSITIONS DE CATALYSEUR A TAMIS MOLECULAIRE, COMPOSITES DE CATALYSEUR, SYSTEMES, ET PROCEDES**
[72] TRUKHAN, NATALIA, DE
[72] MUELLER, ULRICH, DE
[72] BREEN, MICHAEL, US
[72] SLAWSKI, BARBARA, US
[72] FU, QI, US
[72] MOHANAN, JAYA L., US
[72] KRAUS, MARTIN W., US
[72] MOINI, AHMAD, US
[72] YANG, XIAOFAN, US
[72] HOCHMUTH, JOHN K., US
[73] BASF CORPORATION, US
[85] 2016-12-14
[86] 2015-06-17 (PCT/US2015/036243)
[87] (WO2015/195809)
[30] US (62/013,847) 2014-06-18
[30] US (62/081,243) 2014-11-18
[30] US (14/687,097) 2015-04-15
[30] US (14/741,754) 2015-06-17

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[13] C
[51] **Int.Cl. C10L 10/08 (2006.01) C07C 51/31 (2006.01) C10G 3/00 (2006.01) C10L 1/08 (2006.01)**
[25] EN
[54] **RENEWABLE DIESEL FUEL COMPOSITION**
[54] **COMPOSITION DE CARBURANT DIESEL RENOUVELABLE**
[72] KIISKI, ULLA, FI
[72] MYLLYOJA, JUKKA, FI
[72] LINDBLAD, MARINA, FI
[72] IKONEN, ELIAS, FI
[72] SELANTAUS, MAARIA, FI
[73] NESTE OYJ, FI
[86] (2952881)
[87] (2952881)
[22] 2016-12-22
[30] EP (15202871.8) 2015-12-29

[11] **2,953,887**
[13] C
[51] **Int.Cl. B65D 1/02 (2006.01) B65D 23/00 (2006.01)**
[25] EN
[54] **LIGHTWEIGHT BASE FOR CARBONATED BEVERAGE PACKAGING**
[54] **BASE LEGERE POUR CONDITIONNEMENT DE BOISSON GAZEUSE**
[72] STEWARD, STERLING LANE, US
[72] GOVINDARAJAN, VENKAT, US
[72] GEITHMANN, MARTIN, US
[73] THE COCA-COLA COMPANY, US
[85] 2016-12-29
[86] 2015-07-31 (PCT/US2015/043257)
[87] (WO2016/019318)
[30] US (62/032,428) 2014-08-01

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[13] C
[51] **Int.Cl. G16H 10/20 (2018.01) G06F 16/00 (2019.01) G16B 20/00 (2019.01) G16B 50/00 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR INTERPRETATION AND REPORTING OF SEQUENCE-BASED GENETIC TESTS**
[54] **PROCEDES ET SYSTEMES D'INTERPRETATION ET DE COMPTE-RENDU DE TESTS GENETIQUES BASES SUR UNE SEQUENCE**
[72] BASSETT, DOUGLAS E., JR., US
[72] RICHARDS, DANIEL R., US
[72] SCHATZ, PEER M., DE
[73] QIAGEN REDWOOD CITY, INC., US
[73] QIAGEN GMBH, DE
[85] 2016-12-29
[86] 2015-06-18 (PCT/US2015/036338)
[87] (WO2016/003660)
[30] US (14/319,986) 2014-06-30
[30] US (14/460,568) 2014-08-15

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[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **BISPECIFIC CD33 AND CD3 BINDING PROTEINS**
[54] **PROTEINES DE LIAISON CD3 ET CD33 BISPECIFIQUES**
[72] ELLWANGER, KRISTINA, DE
[72] EVNIN, LUKE, US
[72] FOX, JUDITH A., US
[72] FUCEK, IVICA, DE
[72] GUENOT, JEANMARIE, US
[72] KNACKMUSS, STEFAN, DE
[72] KUNKEL, LORI, US
[72] LITTLE, MELVYN, DE
[72] MOLKENTHIN, VERA, DE
[72] RAJKOVIC, ERICH, DE
[72] REUSCH, UWE, DE
[72] WALL, CLAUDIA, DE
[72] WEICHEL, MICHAEL, DE
[72] ZHUKOVSKY, EUGENE, DE
[73] AMPHIVENA THERAPEUTICS, INC., US
[85] 2016-12-29
[86] 2015-06-30 (PCT/US2015/038666)
[87] (WO2016/004108)
[30] US (62/019,795) 2014-07-01
[30] US (62/111,470) 2015-02-03
[30] US (14/642,497) 2015-03-09

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[13] C
[51] **Int.Cl. G16H 20/10 (2018.01) G16H 10/60 (2018.01) G16H 20/17 (2018.01) G16H 30/20 (2018.01) G16H 40/67 (2018.01) A61J 7/04 (2006.01) A61M 5/20 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING ACTIVATION OF A MEDICAL DELIVERY DEVICE**
[54] **SYSTEME ET PROCEDE PERMETTANT DE DETECTER L'ACTIVATION D'UN DISPOSITIF DE PRESTATION DE SOINS MEDICAUX**
[72] ALBRECHT, SABINE, US
[72] BAUSS, MARKUS, DE
[73] CONNECTMESMART GMBH, DE
[73] AMGEN INC., US
[85] 2017-01-04
[86] 2015-07-21 (PCT/US2015/041237)
[87] (WO2016/014457)
[30] US (62/027,750) 2014-07-22

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[13] C
[51] **Int.Cl. A61K 38/20 (2006.01) G16B 5/00 (2019.01) G16B 20/00 (2019.01) A61P 25/00 (2006.01) C12Q 1/00 (2006.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **IDENTIFICATION OF A NATURAL KILLER CELL POPULATION AS POTENTIAL THERAPEUTIC TARGETS FOR GULF WAR ILLNESS AND MYALGIC ENCEPHALOMYELITIS/CHRONIC FATIGUE SYNDROME**
[54] **DETERMINATION D'UNE POPULATION NATURELLE DE CELLULES TUEUSES COMME CIBLES THERAPEUTIQUES POSSIBLES POUR LE SYNDROME DE LA GUERRE DU GOLFE ET L'ENCEPHALO-MYELITE MYALGIQUE/LE SYNDROME DE FATIGUE CHRONIQUE**
[72] FLETCHER, MARY ANNE, US
[72] BRODERICK, GORDON, US
[72] KLIMAS, NANCY, US
[72] BARNES, ZACHARY, US
[73] NOVA SOUTHEASTERN UNIVERSITY, US
[85] 2017-01-10
[86] 2014-10-14 (PCT/US2014/060535)
[87] (WO2015/054701)
[30] US (61/890,297) 2013-10-13

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[13] C
[51] **Int.Cl. C07K 16/40 (2006.01) A61K 39/395 (2006.01) A61P 3/06 (2006.01) C30B 7/14 (2006.01) C30B 29/58 (2006.01)**
[25] EN
[54] **CRYSTALLINE ANTIBODY FORMULATIONS**
[54] **FORMULATIONS D'ANTICORPS CRISTALLINES**
[72] CHRISTIAN, TWINKLE R., US
[72] CLOGSTON, CHRISTI L., US
[72] OSSLUND, TIMOTHY DAVID, US
[73] AMGEN INC., US
[85] 2017-01-10
[86] 2015-07-13 (PCT/US2015/040211)
[87] (WO2016/010924)
[30] US (62/024,399) 2014-07-14

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[13] C
[51] **Int.Cl. G16B 20/20 (2019.01) C12Q 1/6809 (2018.01) C12Q 1/6844 (2018.01) G16B 30/00 (2019.01) C12Q 1/68 (2018.01) C12Q 1/6869 (2018.01)**
[25] EN
[54] **A METHOD FOR DETECTING A GENETIC VARIANT**
[54] **PROCEDE POUR LA DETECTION D'UN VARIANT GENETIQUE**
[72] ROSENFELD, NITZAN, GB
[72] FORSHEW, TIM, GB
[72] MARASS, FRANCESCO, GB
[72] MURTAZA, MUHAMMED, US
[73] CANCER RESEARCH TECHNOLOGY LIMITED, GB
[85] 2017-01-16
[86] 2015-07-17 (PCT/GB2015/052086)
[87] (WO2016/009224)
[30] GB (1412834.2) 2014-07-18

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[13] C
[51] **Int.Cl. C12N 15/29 (2006.01) A01H 6/82 (2018.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01K 67/033 (2006.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **TOMATO PLANTS COMPRISING A MODIFIED SIMYC2 GENE ALLOWING THE ESTABLISHMENT OF MITES**
[54] **PLANTS DE TOMATE COMPRENANT UN GENE SIMYC2 MODIFIE PERMETTANT L'ETABLISSEMENT D'ACARIENS**
[72] VAN HERWIJNEN, ZEGER OTTO, NL
[72] DRAGER, DORTHE BETTINA, NL
[72] BOLCKMANS, KAREL JOZEF FLORENT, NL
[72] VAN HOUTEN, YVONNE MARIA, NL
[72] DE JOODE, JASPER, NL
[73] RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V., NL
[85] 2017-01-19
[86] 2015-08-17 (PCT/EP2015/068860)
[87] (WO2016/026816)
[30] EP (14181306.3) 2014-08-18

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[13] C
[51] **Int.Cl. A61M 25/06 (2006.01) A61M 25/01 (2006.01)**
[25] FR
[54] **DEVICE FOR INSERTING A BLUNT-TIP CANNULA UNDER THE SKIN OF A PATIENT**
[54] **DISPOSITIF POUR L'INTRODUCTION D'UNE CANULE A BOUT ARRONDI SOUS LA PEAU D'UN PATIENT**
[72] SEBBAN, SANDRINE, FR
[72] CORBIN, JEAN YVES, FR
[72] VAUPRES, MAXIME, FR
[72] D'ESTAIS, MATHIAS, FR
[72] JEANSON, ISABELLE, FR
[73] SOFT MEDICAL AESTHETICS, FR
[85] 2017-01-23
[86] 2015-08-04 (PCT/FR2015/052150)
[87] (WO2016/020617)
[30] FR (1457592) 2014-08-04

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[13] C
[51] **Int.Cl. C12N 9/42 (2006.01) C12N 1/14 (2006.01) C12N 9/00 (2006.01) C12N 9/24 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING AN ENZYMATIC COCKTAIL FROM FUNGAL MUST**
[54] **PROCEDE DE PRODUCTION D'UN COCKTAIL ENZYMATIQUE A PARTIR DE MOUT DE CHAMPIGNON**
[72] BEN CHAABANE, FADHEL, FR
[72] JOURDIER, ETIENNE, FR
[72] COHEN, CELINE, FR
[72] CHAUSSEPIED, BERNARD, FR
[73] IFP ENERGIES NOUVELLES, FR
[85] 2017-01-25
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[87] (WO2016/016182)
[30] FR (1457358) 2014-07-30

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[54] **WOUND DRESSING**
[54] **PANSEMENT POUR PLAIES**
[72] HOGGARTH, ANDREW, GB
[72] HARDY, CRAIG, GB
[72] ALBIZURI, ANDER, GB
[73] MEDTRADE PRODUCTS LIMITED, GB
[85] 2017-02-02
[86] 2015-08-07 (PCT/GB2015/052299)
[87] (WO2016/020703)
[30] GB (1414147.7) 2014-08-08

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[13] C
[51] **Int.Cl. H04W 92/18 (2009.01) H01R 31/06 (2006.01)**
[25] EN
[54] **MULTIFUNCTION PASS-THROUGH WALL POWER PLUG WITH COMMUNICATION RELAY AND RELATED METHOD**
[54] **PRISE D'ALIMENTATION DE TRANSIT MURALE MULTIFONCTION MUNIE D'UN RELAIS DE COMMUNICATION, ET PROCEDE ASSOCIE**
[72] TETREAULT, MICHAEL, US
[72] FERGUSON, ERIC, US
[72] DAVIS, DAVID, US
[72] MONTEITH, SHAWN, US
[72] MURRAY, MICHAEL, US
[73] IDEVICES, LLC, US
[85] 2017-02-03
[86] 2015-08-11 (PCT/US2015/044703)
[87] (WO2016/025511)
[30] US (61/999,914) 2014-08-11

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[13] C
[51] **Int.Cl. C12P 19/14 (2006.01) C12N 9/42 (2006.01)**
[25] EN
[54] **SACCHARIFICATION ENZYME COMPOSITION, SACCHARIFICATION REACTION SOLUTION, AND SUGAR PRODUCTION METHOD**
[54] **COMPOSITION D'ENZYME DE SACCHARIFICATION, SOLUTION DE REACTION DE SACCHARIFICATION ET METHODE DE PRODUCTION DE SUCRE**
[72] SEKIGUCHI, KAZUTOSHI, JP
[73] NISSAN CHEMICAL CORPORATION, JP
[85] 2017-02-03
[86] 2015-07-28 (PCT/JP2015/071416)
[87] (WO2016/021447)
[30] JP (2014-161788) 2014-08-07

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[13] C
[51] **Int.Cl. A61M 37/00 (2006.01) A61M 5/44 (2006.01) A61M 5/46 (2006.01)**
[25] EN
[54] **INJECTION DEVICES**
[54] **DISPOSITIFS D'INJECTION**
[72] HOFFMANN, ROLF, DE
[72] HOHLRIEDER, MARTIN, AT
[73] REPLICEL LIFE SCIENCES INC., CA
[85] 2017-02-06
[86] 2015-08-06 (PCT/US2015/044110)
[87] (WO2016/022865)
[30] US (62/034,140) 2014-08-06
[30] US (62/198,655) 2015-07-29

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[13] C
[51] **Int.Cl. G01N 33/50 (2006.01)**
[25] EN
[54] **STABILIZATION OF WHOLE BLOOD SAMPLES**
[54] **STABILISATION D'ECHANTILLONS DE SANG TOTAL**
[72] SANDLIN, REBECCA, US
[72] WONG, KEITH, US
[72] TESSIER, SHANNON, US
[72] TONER, MEHMET, US
[73] THE GENERAL HOSPITAL CORPORATION, US
[85] 2017-02-07
[86] 2015-07-31 (PCT/US2015/043269)
[87] (WO2016/022433)
[30] US (62/034,481) 2014-08-07
[30] US (62/037,632) 2014-08-15

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[13] C
[51] **Int.Cl. H02K 49/04 (2006.01) B60L 7/28 (2006.01)**
[25] EN
[54] **TUNING OF A KINEMATIC RELATIONSHIP BETWEEN MEMBERS**
[54] **ACCORD D'UNE RELATION CINEMATIQUE ENTRE DES ELEMENTS**
[72] DIEHL, ANDREW KARL, NZ
[72] ALLINGTON, CHRISTOPHER JAMES, NZ
[73] EDDY CURRENT LIMITED PARTNERSHIP, NZ
[85] 2017-02-08
[86] 2015-08-18 (PCT/NZ2015/050114)
[87] (WO2016/028169)
[30] NZ (627633) 2014-08-18

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[13] C
[51] **Int.Cl. G05B 23/02 (2006.01) F16K 37/00 (2006.01) G08C 17/00 (2006.01)**
[25] EN
[54] **CONTROL DEVICE DIAGNOSTIC USING ACCELEROMETER**
[54] **DIAGNOSTIC DE DISPOSITIFS DE COMMANDE A L'AIDE D'UN ACCELEROMETRE**
[72] KEMP, MATTHEW J., US
[72] NICHOLAS, DAVIN SCOTT, US
[72] PANTHER, MITCHELL S., US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2017-02-08
[86] 2015-08-10 (PCT/US2015/044412)
[87] (WO2016/025360)
[30] US (14/456,786) 2014-08-11

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[13] C
[51] **Int.Cl. A01N 25/04 (2006.01) A01N 25/14 (2006.01) A01N 25/30 (2006.01)**
[25] EN
[54] **AN AGROCHEMICAL SUSPENSION CONCENTRATE COMPRISING AN ALKOXYLATED ALCOHOL DISSOLVED IN THE AQUEOUS PHASE**
[54] **CONCENTRE EN SUSPENSION DE PRODUIT AGROCHIMIQUE COMPRENANT UN ALCOOL ALCOXYLE DISSOUS DANS LA PHASE AQUEUSE**
[72] KOLB, KLAUS, DE
[72] MARXER, KATJA, DE
[72] SIMON, ANJA, DE
[72] BERGHAUS, RAINER, DE
[73] BASF SE, DE
[85] 2017-02-14
[86] 2015-08-06 (PCT/EP2015/068131)
[87] (WO2016/041693)
[30] EP (14184945.5) 2014-09-16

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[13] C
[51] **Int.Cl. C07F 9/50 (2006.01) C08F 4/68 (2006.01) C08F 36/04 (2006.01)**
[25] EN
[54] **PHOSPHINIC VANADIUM COMPLEX, CATALYTIC SYSTEM COMPRISING SAID PHOSPHINIC VANADIUM COMPLEX AND PROCESS FOR THE (CO) POLYMERIZATION OF CONJUGATED DIENES**
[54] **COMPLEXE DE VANADIUM PHOSPHINIQUE, SYSTEME CATALYTIQUE COMPRENANT LEDIT COMPLEXE DE VANADIUM PHOSPHINIQUE ET PROCEDE DE (CO)POLYMERISATION DE DIENES CONJUGUES**
[72] RICCI, GIOVANNI, IT
[72] LEONE, GIUSEPPE, IT
[72] SOMMAZZI, ANNA, IT
[72] FORNI, ALESSANDRA, IT
[72] MASI, FRANCESCO, IT
[73] VERSALIS S.P.A., IT
[85] 2017-02-14
[86] 2015-11-24 (PCT/IB2015/059072)
[87] (WO2016/128812)
[30] IT (MI2014A002028) 2014-11-25

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[13] C
[51] **Int.Cl. A01B 71/08 (2006.01)**
[25] EN
[54] **ROTATING WHEEL OR DISC SCRAPER WITH STRAW WRAP PREVENTION AND AGRICULTURAL IMPLEMENT FEATURING SAME**
[54] **GRATTOIR A ROUE OU DISQUE ROTATIF AVEC PREVENTION D'ENROULEMENT DE PAILLE ET MATERIEL AGRICOLE POURVU DE CELUI-CI**
[72] DEVLOO, MARK, CA
[72] DEVLOO, GERARD, CA
[73] DEVLOO, MARK, CA
[86] (2958390)
[87] (2958390)
[22] 2017-02-17

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[13] C
[51] **Int.Cl. G02B 1/115 (2015.01) G02B 1/116 (2015.01) G02C 7/02 (2006.01)**
[25] EN
[54] **OPTICAL ARTICLE COMPRISING AN ANTIREFLECTIVE COATING WITH A LOW REFLECTION BOTH IN THE ULTRAVIOLET REGION AND IN THE VISIBLE REGION**
[54] **ARTICLE OPTIQUE COMPORTANT UN REVETEMENT ANTIREFLET AVEC UNE FAIBLE REFLEXION A LA FOIS DANS LE DOMAINE DE L'ULTRAVIOLET ET DANS LE DOMAINE VISIBLE**
[72] BOLSHAKOV, ILYA, US
[73] ESSILOR INTERNATIONAL, FR
[85] 2017-02-15
[86] 2015-08-17 (PCT/EP2015/068840)
[87] (WO2016/026808)
[30] EP (14306286.7) 2014-08-18

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[13] C
[51] **Int.Cl. B64C 1/14 (2006.01) B64C 1/32 (2006.01) B64D 25/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RETAINING REMOVABLE PANEL WHEN DEPLOYING EVACUATION SYSTEM**
[54] **SYSTEMES ET METHODES DE RETENUE D'UN PANNEAU AMOVIBLE LORS DU DEPLOIEMENT D'UN SYSTEME D'EVACUATION**
[72] SCHMIDT, RYAN, US
[72] LARNER, WILLIAM TAD, US
[73] GOODRICH CORPORATION, US
[86] (2958654)
[87] (2958654)
[22] 2017-02-21
[30] US (15/148,632) 2016-05-06

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[13] C
[51] **Int.Cl. A61B 1/00 (2006.01)**
[25] EN
[54] **ADVANCED ELECTROMAGNETIC MOTION AND TRACKING PERIPHERALLY INSERTED CENTRAL VENOUS CATHETER SYSTEM WITH EXTENDED ENDOVASCULAR APPLICATIONS**
[54] **SYSTEME DE CATHETER VEINEUX CENTRAL INSERE PAR VOIE PERIPHERIE A SUIVI ET MOUVEMENT ELECTROMAGNETIQUE PERFECTIONNE PERMETTANT DES APPLICATIONS ENDOVASCULAIRES ELARGIES**
[72] PARMAR, JAYWANT P., US
[73] PARMAR, JAYWANT P., US
[85] 2017-02-21
[86] 2015-08-24 (PCT/US2015/046610)
[87] (WO2016/029228)
[30] US (62/041,007) 2014-08-22

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[51] **Int.Cl. A01N 59/00 (2006.01) A01N 33/12 (2006.01) A01N 37/00 (2006.01) A01N 41/04 (2006.01) A01N 57/00 (2006.01) A01N 59/26 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **DISINFECTANT COMPOSITION CONTAINING QUATERNARY AMMONIUM COMPOUNDS**
[54] **COMPOSITION DESINFECTANTE CONTENANT DES COMPOSES D'AMMONIUM QUATERNAIRE**
[72] LEI, DEQING, US
[72] SWEENY, PHILIP, US
[73] ARXADA, LLC, US
[85] 2017-02-22
[86] 2015-09-08 (PCT/US2015/048792)
[87] (WO2016/040230)
[30] US (62/047,806) 2014-09-09

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[13] C
[51] **Int.Cl. C07K 16/18 (2006.01) C07K 14/47 (2006.01) C07K 16/46 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTI-CK8 ANTIBODIES FOR USE IN THE TREATMENT OF CANCERS**
[54] **ANTICORPS ANTI-CK8 DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE CANCERS**
[72] ALBARET, MARIE ALEXANDRA, FR
[72] DIAZ, JEAN-JACQUES, FR
[72] MERTANI, HICHEM CLAUDE, FR
[72] SAURIN, JEAN-CHRISTOPHE, FR
[72] VERMOT-DESROCHES, CLAUDINE, FR
[72] VUILLERMOZ, BORIS, FR
[73] CENTRE LEON BERARD, FR
[73] INTERNATIONAL - DRUG - DEVELOPMENT - BIOTECH, FR
[73] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[73] HOSPICES CIVILS DE LYON, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[85] 2017-02-27
[86] 2015-08-10 (PCT/EP2015/068400)
[87] (WO2016/020553)
[30] FR (1457704) 2014-08-08

[11] **2,959,739**
[13] C
[51] **Int.Cl. C08J 3/12 (2006.01) C08L 91/06 (2006.01)**
[25] EN
[54] **POWDERS FROM WAX-BASED COLLOIDAL DISPERSIONS AND THEIR PROCESS OF MAKING**
[54] **POUDRES OBTENUES A PARTIR DE DISPERSIONS COLLOIDALES A BASE DE CIRE ET LEUR PROCEDE DE FABRICATION**
[72] AYAMBEM, AMBA, US
[73] HENRY COMPANY, LLC, US
[85] 2017-03-01
[86] 2015-09-24 (PCT/US2015/051829)
[87] (WO2016/049257)
[30] US (62/056,087) 2014-09-26

[11] **2,960,121**
[13] C
[51] **Int.Cl. H05K 7/20 (2006.01) H01L 23/36 (2006.01)**
[25] EN
[54] **DIELECTRIC HEAT PATH DEVICES, AND SYSTEMS AND METHODS USING THE SAME**
[54] **DISPOSITIFS DE PARCOURS DE CHALEUR DIELECTRIQUE, ET SYSTEMES ET METHODES EMPLOYANT LESDITS DISPOSITIFS**
[72] BENSON, TONY RAY, US
[72] FRITZ, PETER JAMES, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2960121)
[87] (2960121)
[22] 2017-03-07
[30] US (15/078,481) 2016-03-23

[11] **2,960,197**
[13] C
[51] **Int.Cl. H01R 12/71 (2011.01) H01R 13/514 (2006.01) H01R 13/518 (2006.01) H01R 43/16 (2006.01) H01R 43/24 (2006.01)**
[25] EN
[54] **OVERMOLDED CONTACT WAFER AND CONNECTOR**
[54] **CONNECTEUR ET TRANCHE DE CONTACT SURMOULEE**
[72] LJUBIJANKIC, ZLATAN, CA
[72] MARTEN, BARBARA H., CA
[72] GIBSON, KAREN A., CA
[72] MATUS, ANDREW B, CA
[73] AMPHENOL CORPORATION, US
[85] 2017-03-03
[86] 2015-09-02 (PCT/US2015/048099)
[87] (WO2016/036829)
[30] US (14/475,983) 2014-09-03

[11] **2,960,542**
[13] C
[51] **Int.Cl. A01B 29/00 (2006.01) A01B 73/00 (2006.01) E01C 19/23 (2006.01)**
[25] EN
[54] **LAND ROLLER**
[54] **ROULEAU A TERRAIN**
[72] SMYTH, BARRY W., CA
[72] THOMSON, MATTHEW D., CA
[73] SMYTH WELDING & MACHINE SHOP LTD., CA
[86] (2960542)
[87] (2960542)
[22] 2017-03-07
[30] US (62/305,156) 2016-03-08

[11] **2,960,543**
[13] C
[51] **Int.Cl. E04B 1/38 (2006.01) E04B 5/17 (2006.01) E04C 5/00 (2006.01) E04H 9/00 (2006.01) E04H 9/14 (2006.01) F16B 13/00 (2006.01)**
[25] EN
[54] **BUILT-UP SYSTEM, CONNECTOR THEREOF, AND METHOD OF MAKING SAME**
[54] **SYSTEME INTEGRE, SON RACCORD ET SON PROCEDE DE FABRICATION**
[72] CUERRIER AUCLAIR, SAMUEL, CA
[72] SORELLI, LUCA, CA
[72] SALENIKOVICH, ALEXANDER, CA
[73] UNIVERSITE LAVAL, CA
[85] 2017-03-08
[86] 2015-09-29 (PCT/CA2015/050976)
[87] (WO2016/049758)
[30] US (62/057,399) 2014-09-30

[11] **2,960,725**
[13] C
[51] **Int.Cl. A61B 34/30 (2016.01) B25J 9/18 (2006.01)**
[25] EN
[54] **SURGICAL SYSTEM USER INTERFACE USING COOPERATIVELY-CONTROLLED ROBOT**
[54] **INTERFACE UTILISATEUR DE SYSTEME CHIRURGICAL UTILISANT UN ROBOT COMMANDE DE FACON COOPERATIVE**
[72] BALICKI, MARCIN A., US
[72] KAZANZIDES, PETER, US
[72] DEGUET, ANTON, US
[72] TAYLOR, RUSSELL H., US
[73] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2017-03-08
[86] 2015-09-24 (PCT/US2015/051907)
[87] (WO2016/049294)
[30] US (14/497,178) 2014-09-25

[11] **2,960,930**
[13] C
[51] **Int.Cl. C07K 14/395 (2006.01) C12N 15/81 (2006.01) C12P 7/08 (2006.01) C12P 7/12 (2006.01)**
[25] EN
[54] **VARIANTS OF GAL2 TRANSPORTER AND THEIR USES**
[54] **VARIANTS DE TRANSPORTEUR DE GAL2 ET LEURS UTILISATIONS**
[72] BOLES, ECKHARD, DE
[72] DIETZ, HEIKO, DE
[72] FARWICK, ALEXANDER, FR
[72] SCHADEWEG, VIRGINIA, DE
[72] OREB, MISLAV, DE
[73] BUTALCO GMBH, CH
[85] 2017-03-10
[86] 2015-10-22 (PCT/EP2015/074522)
[87] (WO2016/062823)
[30] EP (14189927.8) 2014-10-22

[11] **2,960,972**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01)**
[25] EN
[54] **P2X7 MODULATING N-ACYL-TRIAZOLOPYRAZINES**
[54] **N-ACYL-TRIAZOLOPYRAZINES MODULANT LE P2X7**
[72] ANDRES GIL, JOSE IGNACIO, ES
[72] LETAVIC, MICHAEL A., US
[72] RECH, JASON C., US
[72] RUDOLPH, DALE A., US
[72] SOYODE-JOHNSON, AKINOLA, US
[72] CHROVIAN, CHRISTA C., US
[73] JANSSEN PHARMACEUTICA NV, BE
[85] 2017-03-10
[86] 2015-08-26 (PCT/US2015/046852)
[87] (WO2016/039983)
[30] US (62/049,727) 2014-09-12

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[13] C
[51] **Int.Cl. B64D 13/00 (2006.01) B64C 1/00 (2006.01)**
[25] EN
[54] **PACK-AND-A-HALF ARCHITECTURE FOR ENVIRONMENTAL CONTROL SYSTEMS**
[54] **ARCHITECTURE DE PAQUET ET DEMI DESTINEE A DES SYSTEMES DE CONTROLE ENVIRONNEMENTAL**
[72] ARMY, DONALD E., US
[72] PEACOS III, FREDERICK, US
[73] HAMILTON SUNDSTRAND CORPORATION, US
[86] (2961121)
[87] (2961121)
[22] 2017-03-14
[30] US (62/309,084) 2016-03-16

[11] **2,961,275**
[13] C
[51] **Int.Cl. C07C 251/60 (2006.01) A61K 31/167 (2006.01)**
[25] EN
[54] **4-OXO-N-(4-HYDROXYPHENYL)RETINAMIDE DERIVATIVES AS THERAPEUTIC AGENTS FOR THE TREATMENT OF CANCER**
[54] **DERIVES DE 4-OXO-N- (4-HYDROXYPHENYL)RETINAMIDE COMME AGENTS THERAPEUTIQUES POUR LE TRAITEMENT DU CANCER**
[72] DAIDONE, MARIA GRAZIA, IT
[72] APPIERTO, VALENTINA, IT
[72] TIBERIO, PAOLA, IT
[72] DALLAVALLE, SABRINA, IT
[72] MUSSO, LOANA, IT
[72] NICCOLINI, ELISA, IT
[73] FONDAZIONE IRCCS ISTITUTO NAZIONALE DEI TUMORI, IT
[73] UNIVERSITA' DEGLI STUDI DI MILANO, IT
[85] 2017-03-14
[86] 2015-09-16 (PCT/EP2015/071178)
[87] (WO2016/042010)
[30] IT (MI2014A001603) 2014-09-17

[11] **2,961,329**
[13] C
[51] **Int.Cl. H01F 27/06 (2006.01) H01F 27/28 (2006.01) H05K 1/18 (2006.01)**
[25] EN
[54] **CURRENT TRANSFORMER APPARATUS THAT IS MOUNTABLE TO A CIRCUIT BOARD**
[54] **APPAREIL TRANSFORMATEUR DE COURANT QUI PEUT ETRE INSTALLE SUR UNE CARTE DE CIRCUITS**
[72] BAUTISTA, LAURA TERESA PORTUONDO, DO
[72] REYES, GLENNYS JOHANNY DE JESUS, DO
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2961329)
[87] (2961329)
[22] 2017-03-17
[30] US (15/083,478) 2016-03-29

[11] **2,961,493**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **IMPROVED SINGLE MOLECULE PEPTIDE SEQUENCING**
[54] **SEQUENCAGE AMELIORE DES PEPTIDES D'UNE SEULE MOLECULE**
[72] MARCOTTE, EDWARD, US
[72] ANSLYN, ERIC V., US
[72] ELLINGTON, ANDREW, US
[72] SWAMINATHAN, JAGANNATH, IN
[72] HERNANDEZ, ERIK, US
[72] JOHNSON, AMBER, US
[72] BOULGAKOV, ALEXANDER, US
[72] BACHMAN, JAMES L., US
[72] SEIFERT, HELEN, US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2017-03-15
[86] 2015-09-15 (PCT/US2015/050099)
[87] (WO2016/069124)
[30] US (62/050,462) 2014-09-15

[11] **2,961,757**
[13] C
[51] **Int.Cl. A61B 5/20 (2006.01) A61B 5/03 (2006.01) A61M 25/04 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR SENSING PHYSIOLOGIC DATA AND DRAINING AND ANALYZING BODILY FLUIDS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES POUR DETECTER DES DONNEES PHYSIOLOGIQUES ET DRAINER ET ANALYSER DES FLUIDES CORPORELS**
[72] BURNETT, DANIEL R., US
[72] LUXON, EVAN S., US
[72] KEENAN, RICH, US
[72] HAMILTON, MARCIE, US
[72] SUTARIA, SAHEEL, US
[72] ZIEGLER, MARK, US
[72] YEE, ALEX, US
[72] TULLY, GRIFFETH, US
[72] SKIELLER, CHRISTINA, US
[72] BOYD, STEPHEN, US
[73] POTRERO MEDICAL, INC., US
[85] 2017-03-17
[86] 2015-09-28 (PCT/US2015/052716)
[87] (WO2016/049654)
[30] US (62/056,564) 2014-09-28
[30] US (62/056,563) 2014-09-28
[30] US (62/062,924) 2014-10-12
[30] US (62/076,725) 2014-11-07
[30] US (62/085,463) 2014-11-28
[30] US (PCT/US2015/010530) 2015-01-07
[30] US (62/129,899) 2015-03-08
[30] US (62/145,241) 2015-04-09
[30] US (62/175,237) 2015-06-13

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[13] C
[51] **Int.Cl. C07D 209/34 (2006.01) A61K 31/404 (2006.01) A61K 31/4155 (2006.01) A61K 31/4439 (2006.01) A61P 35/00 (2006.01) C07D 401/06 (2006.01) C07D 403/10 (2006.01)**
[25] EN
[54] **INDOLINONE COMPOUNDS AND USES THEREOF**
[54] **COMPOSES D'INDOLINONE ET LEURS UTILISATIONS**
[72] VERNIER, JEAN-MICHEL, US
[73] ONCTERNAL THERAPEUTICS, INC., US
[85] 2017-03-17
[86] 2015-10-07 (PCT/US2015/054533)
[87] (WO2016/057698)
[30] US (62/062,086) 2014-10-09

[11] **2,961,786**
[13] C
[51] **Int.Cl. A62C 35/68 (2006.01)**
[25] EN
[54] **AUTOMATIC FIRE EXTINGUISHER SYSTEM HAVING A SAFETY ASSEMBLY**
[54] **SYSTEME D'EXTINCTION D'INCENDIE AUTOMATIQUE COMPORTANT UN MECANISME DE SECURITE**
[72] FRASURE, DAVID WILLIAM, US
[72] BAXENDELL, DOUG JOHN, US
[72] WILSON, CHRISTOPHER, US
[72] SIMPSON, TERRY, US
[72] PORTERFIELD, JOHN WRIGHT, JR., US
[72] LEITCH, KEVIN R., US
[72] DAVIS, MICHAEL LEE, US
[73] KIDDE TECHNOLOGIES, INC., US
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[54] **ELECTRONIC ARTICLE SURVEILLANCE SYSTEMS IMPLEMENTING METHODS FOR DETERMINING SECURITY TAG LOCATIONS**
[54] **SYSTEMES ELECTRONIQUES DE SURVEILLANCE D'ARTICLES (EAS) METTANT EN OEUVRE DES PROCEDES DE DETERMINATION D'EMPLACEMENTS D'ETIQUETTES DE SECURITE**
[72] SOTO, MANUEL A., US
[72] ALLEN, JOHN A., US
[73] SENSORMATIC ELECTRONICS LLC, US
[85] 2017-03-20
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[54] **COMBINED ENTEROTOXIGENIC ESCHERICHIA COLI AND CAMPYLOBACTER JEJUNI RECOMBINANT CONSTRUCT**
[54] **CONSTRUCTION RECOMBINEE COMBINANT LES BACTERIES ESCHERICHIA COLI ENTEROTOXINOGENE ET CAMPYLOBACTER JEJUNI**
[72] GUERRY, PATRICIA, US
[72] SAVARINO, STEPHEN, US
[72] MONTEIRO, MARIO ARTUR, CA
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[54] **CHEWABLE PRODUCT AND PROCESS FOR MAKING SAME**
[54] **PRODUIT A MACHER ET SON PROCEDE DE PRODUCTION**
[72] ROWE, JOHN LAWRENCE, CA
[73] ISLAND ABBEY FOODS LTD., CA
[85] 2017-03-21
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[54] **CATHETER SYSTEMS AND METHODS FOR RE-ENTRY IN BODY VESSELS WITH CHRONIC TOTAL OCCLUSION**
[54] **SYSTEMES DE CATHETER ET PROCEDES PERMETTANT DE RE-ENTRER DANS DES VAISSEAUX CORPORELS AVEC OCCLUSION TOTALE CHRONIQUE**
[72] MAJERCAK, DAVID C., US
[73] CORDIS US CORP, US
[85] 2017-03-21
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[54] **ELEMENTS DE DISPOSITIF MEDICAL LUBRIFIANTS**
[72] CHAPPA, RALPH A., US
[72] LOCKWOOD, NATHAN A., US
[72] MCGONIGLE, JOSEPH SCHMIDT, US
[73] SURMODICS, INC., US
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[54] **METHODS FOR INCREASING RED BLOOD CELL LEVELS AND TREATING SICKLE-CELL DISEASE**
[54] **METHODES POUR AUGMENTER LES NIVEAUX DE GLOBULES ROUGES ET TRAITER LA DREPANOCYTOSE**
[72] KUMAR, RAVINDRA, US
[72] SURAGANI, NAGA VENKATA SAI RAJASEKHAR, US
[73] ACCELERON PHARMA INC., US
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[54] **ETIQUETTE RFID DE SUIVI DE PNEUS**
[72] JANKO, PAVEL, NL
[72] MARKOV, DENIS, NL
[73] AVERY DENNISON CORPORATION, US
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[54] **TWO AEROSOL CAN INJECTION SYSTEM**
[54] **SYSTEME D'INJECTION A DEUX CONTENANTS D'AEROSOL**
[72] SPECK, JAMES H., CA
[73] PRO FORM PRODUCTS LIMITED, CA
[86] (2962889)
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[54] **ANTIBODIES TO TICAGRELOR AND METHODS OF USE**
[54] **ANTICORPS A TICAGRELOR ET PROCEDES DE LEUR UTILISATION**
[72] BUCHANAN, ANDREW, GB
[72] NYLANDER, SVEN, SE
[72] PENNEY, MARK, GB
[72] NEWTON, PHILIP, GB
[72] KEYES, FEENAGH, GB
[72] INGHARDT, TORD, SE
[73] MEDIMMUNE LIMITED, GB
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[54] **AMPHOTERIC ESTER SULFONATES**
[54] **SULFONATES D'ESTERS AMPHOTERES**
[72] BOAZ, NEIL WARREN, US
[72] BOONE, MATTHEW ALLEN, US
[72] LLOYD, JENNIFER MICHELLE, US
[73] EASTMAN CHEMICAL COMPANY, US
[85] 2017-03-30
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[54] **DISPOSITIF DE CHIRURGIE ASSISTEE PAR ROBOT**
[72] BRAUN, MARCUS, DE
[72] BARBER, STEPHAN, DE
[72] SEEBER, MARCEL, DE
[73] AVATERAMEDICAL GMBH, DE
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[86] 2015-11-17 (PCT/EP2015/076769)
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[25] EN
[54] **PROCESS FOR PREPARING A DIRECTLY COMPRESSIBLE ERYTHRITOL & USES THEREOF**
[54] **PROCEDE DE PREPARATION D'ERYTHRITOL DIRECTEMENT COMPRESSIBLE ET UTILISATIONS DE CELUI-CI**
[72] BOGHMANS, CATHERINE PATRICIA L., BE
[72] DE COCK, PETRUS WILHELMUS HUBERTUS ANTONIUS, BE
[73] CARGILL, INCORPORATED, US
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[54] **METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR VISUALIZING ANATOMICAL STRUCTURES AND BLOOD FLOW AND PERFUSION PHYSIOLOGY USING IMAGING TECHNIQUES**
[54] **PROCEDES, SYSTEMES ET PRODUITS-PROGRAMMES INFORMATIQUE POUR VISUALISER DES STRUCTURES ANATOMIQUES, UN DEBIT SANGUIN ET UNE PHYSIOLOGIE DE PERFUSION A L'AIDE DE TECHNIQUES D'IMAGER IE**
[72] CHEN, CHENG, US
[72] FERGUSON, THOMAS BRUCE, JR., US
[72] JACOBS, KENNETH MICHAEL, US
[72] PENG, ZHIYONG, US
[73] EAST CAROLINA UNIVERSITY, US
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[54] **SYSTEMS AND METHODS FOR SYNTHESIS OF NITRIC OXIDE**
[54] **SYSTEMES ET PROCEDES DE SYNTHESE D'OXYDE NITRIQUE**
[72] ZAPOL, WARREN, US
[72] YU, BINGLAN, US
[73] THE GENERAL HOSPITAL CORPORATION, US
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[54] **METHOD FOR DETERMINING A LENS DESIGN OF AN OPTICAL LENS ADAPTED TO A WEARER**
[54] **PROCEDE DE DETERMINATION DE CONCEPTION DE LENTILLE D'UNE LENTILLE OPTIQUE ADAPTEE A UN PORTEUR**
[72] TRANVOUEZ, DELPHINE, FR
[72] POULAIN, ISABELLE, FR
[72] MARIN, GILDAS, FR
[72] CALIXTE, LAURENT, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2017-04-07
[86] 2015-09-22 (PCT/EP2015/071796)
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[54] **AGRICHEMICAL COMPOSITIONS AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSITIONS AGROCHIMIQUES ET PROCEDES DE PREPARATION ET D'UTILISATION DE CELLES-CI**
[72] SANTRA, SWADESHMUKUL, US
[72] DAS, SMRUTI, US
[72] RAJASEKARAN, PARTHIBAN, US
[72] MAXWELL, TYLER, US
[73] UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., US
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[54] **VERTICAL SUPPORT FOR SHELVING SYSTEM AND SHELVING SYSTEM**
[54] **SUPPORT VERTICAL DE SYSTEME D'ETAGERE ET SYSTEME D'ETAGERE**
[72] WOODLEY, BRETT, US
[72] WELLS, NATHAN, US
[72] HALLER, ERICH, US
[72] WOOD, GRAHAM, US
[73] OPTO INTERNATIONAL, INC., US
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[54] **METHOD AND APPARATUS FOR CARTRIDGE-BASED CARBONATION OF BEVERAGES**
[54] **PROCEDE ET APPAREIL DE CARBONATATION DE BOISSONS AU MOYEN D'UNE CARTOUCHE**
[72] CAFARO, ENRICO RAFFAELE, US
[72] MAIDER, RALPH K., US
[72] SACK, MICHAEL, US
[72] RAPHAELSON, STEVEN, US
[72] MICHAL, J. COREY, US
[72] SWEENEY, KEVIN, US
[72] JOHNSON, BRIAN B., US
[72] PASSEMATO, JAMES, US
[72] PETERSON, PETER RAE, US
[72] ESTABROOK, RICHARD M., US
[72] FEDORKA, THOMAS, US
[72] GRUBB, SCOTT, GB
[72] CHAN, WAI TING, GB
[72] COVEY, CHRISTOPHER, GB
[72] STACEY, GARY, GB
[72] CARROLL, RAYMOND, US
[73] BEDFORD SYSTEMS LLC, US
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[54] **METHOD OF CULTIVATING ALGAE**
[54] **PROCEDE DE CULTURE D'ALGUES**
[72] TANNER, REIJO, FI
[72] SEPPALA, JUKKA, FI
[72] TAMMINEN, TIMO, FI
[72] SPILLING, KRISTIAN, FI
[72] YLOSTALO, PASI, FI
[72] URONEN, PAULIINA, FI
[73] NESTE OYJ, FI
[73] SUOMEN YMPARISTOKESKUS SYKE, FI
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[54] **CEINTURES DE SUPPORT ET BOUCLE POUR CEINTURES DE SUPPORT**
[72] BANKS, BENJAMIN, GB
[73] SBD APPAREL LTD, GB
[85] 2017-04-19
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[54] **APPARATUS AND METHOD FOR ORIENTATING, POSITIONING AND MONITORING DRILLING MACHINERY**
[54] **APPAREIL ET PROCEDE POUR ORIENTER, POSITIONNER ET SURVEILLER DE MACHINES DE FORAGE**
[72] MCCRACKEN, THOMAS CALLUM, AU
[72] BEILBY, MICHAEL, AU
[72] AYRIS, MICHAEL, AU
[73] MINNOVARE PTY LTD, AU
[85] 2017-04-18
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[54] **SYSTEMS AND METHODS FOR FORMING AND MAINTAINING A HIGH PERFORMANCE FRC**
[54] **SYSTEMES ET PROCEDES DE FORMATION ET DE MAINTIEN D'UNE FRC A HAUTE PERFORMANCE**
[72] BINDERBAUER, MICHL, US
[72] GARATE, EUSEBIO, US
[72] PUTVINSKI, SERGEI, US
[72] GOTA, HIROSHI, US
[73] TAE TECHNOLOGIES, INC., US
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[25] EN
[54] **APPARATUSES, SYSTEMS AND METHODS FOR CONTROLLED DELIVERY OF THERAPEUTICS AND RELATED SUBSTANCES**
[54] **APPAREILS, SYSTEMES ET PROCEDES POUR L'ADMINISTRATION CONTROLEE D'AGENTS THERAPEUTIQUES ET DE SUBSTANCES APPARENTEES**
[72] AVALOS, PABLO, US
[72] DRAZIN, DONIEL, US
[72] SVENDSEN, CLIVE, US
[72] BAKER, MICHAEL JOHN, US
[72] DRLIK, MARK SASHA, CA
[73] CEDARS-SINAI MEDICAL CENTER, US
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[25] EN
[54] **AUTOMATICALLY VERIFYING PACKAGING OF SOLID PHARMACEUTICALS VIA ROBOTIC TECHNOLOGY**
[54] **VERIFICATION AUTOMATIQUE DE L'EMBALLAGE DE PRODUITS PHARMACEUTIQUES SOLIDES PAR LE BIAIS D'UNE TECHNOLOGIE ROBOTIQUE**
[72] SWEET, MARK D., US
[72] KAMES, EDWARD D., US
[72] GILETA, HEATHER, US
[72] BARRETT, ROBERT, US
[72] KRAEMER, ALAN, US
[73] MTS MEDICATION TECHNOLOGIES, INC., US
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[54] **COMPOSITION FOR POLYMERIC CHAIN EXTENSION**
[54] **COMPOSITION POUR ALLONGEMENT DE CHAINE POLYMERE**
[72] WOLF, JURGEN, DE
[72] WARTIG, KAREN-ALESSA, DE
[72] VAN DEN ABBEELE, TIM, DE
[72] LUNSTADEN, TIM, DE
[73] CLARIANT PLASTICS & COATINGS LTD, CH
[85] 2017-05-01
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[25] EN
[54] **COMBINATION THERAPY FOR TREATMENT OF RESISTANT BACTERIAL INFECTIONS**
[54] **POLYTHERAPIE POUR LE TRAITEMENT D'INFECTIONS BACTERIENNES RESISTANTES**
[72] DEJONGE, BOUDEWIJN LODEWIJK MARIA, US
[72] DURAND-REVILLE, THOMAS FRANCOIS, US
[72] VERHEIJEN, JEROEN CUNERA, US
[72] TOMMASI, RUBEN, US
[72] MUELLER, JOHN, US
[73] ENTASIS THERAPEUTICS LIMITED, GB
[85] 2017-05-02
[86] 2015-11-17 (PCT/US2015/061076)
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[54] **AMMONIA STRIPPER**
[54] **DISPOSITIF D'ELIMINATION D'AMMONIAC**
[72] THEODOULOU, MICHAEL DAVID, CA
[72] ROLLINGS-SCATTERGOOD, SASHA, CA
[72] GHANDIZADEHDEZFULI, ARMAN, CA
[73] ANAERGIA INC., CA
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[86] 2015-11-06 (PCT/CA2015/051154)
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[30] US (62/076,784) 2014-11-07

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[54] **TAMPER EVIDENT CLOSURE CONTAINER**
[54] **RECIPIENT A ELEMENT DE FERMETURE INVIOLABLE**
[72] HIRSCHMANN, AARON, US
[72] HACKER, ROBERT, US
[72] FESUS, ROBERT, US
[72] GRIMES, CHRISTOPHER J., GB
[72] TALBOT GRIFFITH, HANNAH M., GB
[73] PLAS-TECH ENGINEERING, INC., US
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[25] EN
[54] **MULTIPURPOSE ELECTROLYTIC DEVICE FOR FORCED OR SPONTANEOUS METAL ELECTROWINNING PROCESSES, WITH INDEPENDENT ELECTROLYTES**
[54] **DISPOSITIF ELECTROYTIQUE A USAGES MULTIPLES POUR PROCESSUS FORCES OU SPONTANES D'ELECTRO-OBTENTION DE METAUX AVEC ELECTROLYTES INDEPENDANTS**
[72] SIMPSON ALVAREZ, JAIME ROBERTO, CL
[73] PROTECH SPA, CL
[85] 2017-05-10
[86] 2015-11-23 (PCT/CL2015/050044)
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[25] EN
[54] **GROWTH ENHANCEMENT OF PLANT BY USING CATIONIC GUARS**
[54] **AMELIORATION DE LA CROISSANCE DE PLANTES A L'AIDE DE GOMMES GUARS CATIONIQUES**
[72] JI, PENG FEI, CN
[72] CASTAING, JEAN-CHRISTOPHE, FR
[72] LABEAU, MARIE-PIERRE, FR
[73] RHODIA OPERATIONS, FR
[85] 2017-05-10
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[25] EN
[54] **POROUS CELLULOSIC MATERIALS AND PROCESS FOR THEIR PREPARATION**
[54] **MATERIAUX CELLULOSIQUES POREUX ET PROCEDE POUR LEUR PREPARATION**
[72] TEJADO ETAYO, ALVARO, ES
[72] SALVADOR POLO, ALEJANDRO, ES
[72] HIDALGO BETANZOS, JOKIN, ES
[72] AZPEITIA LAKUNTZA, MAIDER, ES
[72] SVENSSON, INGEMAR, ES
[73] FUNDACION TECNALIA RESEARCH & INNOVATION, ES
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[25] EN
[54] **POLYAMINOMETHYLBENZYLOXALAMIDES AND COMPOSITIONS AND METHODS RELATED THERETO**
[54] **POLYAMINOMETHYLBENZYLOXALAMIDES ET COMPOSITIONS ET PROCEDES ASSOCIES**
[72] LI, SHENSHEN, US
[73] PLASTIPAK PACKAGING, INC., US
[85] 2017-05-17
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[51] **Int.Cl. A01N 1/02 (2006.01) A61K 35/52 (2015.01)**
[25] EN
[54] **LOW SUGAR SPERM MEDIA AND COMPOSITIONS**
[54] **MILIEUX ET COMPOSITIONS A FAIBLE TENEUR EN SUCRE POUR LES SPERMATOZOIDES**
[72] GILLIGAN, THOMAS B., US
[72] VISHWANATH, RAMAKRISHNAN, NZ
[72] WILLENBURG, KILBY, US
[73] INGURAN, LLC, US
[85] 2017-05-18
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[54] **BEVERAGE MACHINE WITH SLIDINGLY CONNECTABLE CUP-SUPPORT**
[54] **MACHINE A BOISSONS A SUPPORT DE GOBELET POUVANT ETRE RELIE COULISSANT**
[72] GRANGER, ERIC, CH
[72] MAZZA, PIETRO, CH
[72] CAHEN, ANTOINE, CH
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2017-05-19
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[54] **FORMULATION FOR EFFECTIVE TOCOTRIENOL DELIVERY**
[54] **FORMULATION PERMETTANT UNE ADMINISTRATION EFFICACE DU TOCOTRIENOL**
[72] FONG, CHEE WAI, SG
[72] UNG, YEE WEI, MY
[72] PETKOV, JORDAN TODOROV, MY
[73] KL-KEPONG OLEOMAS SDN BHD, MY
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[54] **STEERABLE CATHETER WITH PULL WIRE**
[54] **CATHETER ORIENTABLE A FIL DE TRACTION**
[72] TRAN, TRI D., US
[72] CHOW, SEAN, US
[72] CAYABYAB, RONALDO C., US
[73] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2017-05-26
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[25] EN
[54] **COMPUTER READABLE STORAGE MEDIA FOR DYNAMIC SERVICE DEPLOYMENT AND METHODS AND SYSTEMS FOR UTILIZING SAME**
[54] **SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR POUR LE DEPLOIEMENT DE SERVICE DYNAMIQUE ET PROCEDES ET SYSTEMES D'UTILISATION DE CELUI-CI**
[72] KATIEB, RALPH, US
[73] DOCUMENT STORAGE SYSTEMS, INC., US
[85] 2017-05-26
[86] 2015-12-17 (PCT/US2015/066303)
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[54] **ELECTRODE PLACEMENT AND TREATMENT SYSTEM AND METHOD OF USE THEREOF**
[54] **PLACEMENT D'ELECTRODE ET SYSTEME DE TRAITEMENT ET PROCEDE POUR LES UTILISER**
[72] ROSSI, MARVIN A., US
[72] CENDEJAS ZARAGOZA, LEOPOLDO, MX
[73] RUSH UNIVERSITY MEDICAL CENTER, US
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[54] **CONVERTIBLE STEM / FRACTURE STEM**
[54] **TIGE CONVERTIBLE/TIGE POUR FRACTURE**
[72] DERANSART, PIERRIC, FR
[72] FLEURY, CYRILLE AROUN KOUMAR, FR
[72] GABORIT, VINCENT, FR
[72] BOILEAU, PASCAL, FR
[72] CHUINARD, CHRISTOPHER R., US
[72] CLAVERT, PHILIPPE, FR
[72] FAVART, LUC, FR
[72] KELLY, JAMES, US
[72] KRISHNAN, SUMANT, US
[72] SIRVEAUX, FRANCOIS, FR
[73] TORNIER, FR
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[25] EN
[54] **COMBINATION OF BENZYDAMINE AND AN ANTIMYCOTIC FOR THE TREATMENT OF MYCOSIS**
[54] **COMBINAISON DE BENZYDAMINE ET D'UN ANTIFONGIQUE POUR LE TRAITEMENT DE LA MYCOSE**
[72] MILANESE, CLAUDIO, IT
[72] CAPEZZONE DE JOANNON, ALESSANDRA, IT
[72] TONGIANI, SERENA, IT
[72] DONATI, LUCA, IT
[73] AZIENDE CHIMICHE RIUNITE ANGELINI FRANCESCO A.C.R.A.F. S.P.A., IT
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[54] **SYSTEM AND METHOD FOR SEALING-FREE TEMPERING OF CAPILLARIES**
[54] **PROCEDE ET SYSTEME DE THERMOREGULATION DE CAPILLAIRES EXEMPTS D'ETANCHEITE**
[72] BAASKE, PHILIPP, DE
[72] DUHR, STEFAN, DE
[73] NANOTEMPER TECHNOLOGIES GMBH, DE
[85] 2017-06-12
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[51] **Int.Cl. H03B 1/04 (2006.01) H03B 9/12 (2006.01)**
[25] EN
[54] **EXTREMELY LOW LOSS UNIDIRECTIONAL CONDUCTIVE SHEET METHOD FOR COUPLING RF POWER TO FERRITE RESONATORS USING MAGNETIC BIAS FIELD AND SPIN PRECESSION**
[54] **METHODE DE FEUILLE CONDUCTRICE UNIDIRECTIONNELLE A FAIBLE PERTE POUR LE RACCORD DE PUISSANCE RF A DES RESONATEURS DE FERRITE UTILISANT LE CHAMP MAGNETIQUE DE POLARISATION ET LA PRECESSION**
[72] PARROTT, RONALD A., US
[72] SWEET, ALLEN A., US
[73] VIDA IP, LLC, US
[85] 2017-06-09
[86] 2015-12-17 (PCT/US2015/066461)
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[25] EN
[54] **LIQUID COMPOSITIONS COMPRISING LYSINE AND A CRYSTALLIZATION INHIBITOR FOR LYSINE**
[54] **COMPOSITIONS LIQUIDES COMPRENANT DE LA LYSINE ET UN INHIBITEUR DE CRISTALLISATION POUR LA LYSINE**
[72] BASEETH, SHIREEN, US
[72] DYER, MATT, US
[72] LESS, JOHN, US
[73] ARCHER DANIELS MIDLAND COMPANY, US
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[25] EN
[54] **USE OF 3,5-DIHYDROXY-4-ISOPROPYL-TRANS-STILBENE, FOR TREATING SKIN CONDITIONS**
[54] **UTILISATION DE 3,5-DIHYDROXY-4-ISOPROPYL-TRANS-STILBENE POUR LE TRAITEMENT DE CONDITIONS DE LA PEAU**
[72] COTE-SIERRA, JAVIER, US
[72] SMITH, SUSAN H., US
[72] FREY, STEVEN M., US
[73] DERMAVANT SCIENCES GMBH, CH
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[54] **SEGMENTED NUT**
[54] **ECROU SEGMENTE**
[72] BRADSHAW, BRIAN, AU
[73] SEGNUT PTY LTD, AU
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[54] **BALL VALVE**
[54] **CLAPET A BILLE**
[72] MANETT, KRIS, GB
[72] DEACON, PAUL, GB
[73] EXPRO NORTH SEA LIMITED, GB
[85] 2017-06-19
[86] 2015-12-11 (PCT/GB2015/053855)
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[51] **Int.Cl. A47L 9/06 (2006.01) A47L 9/00 (2006.01)**
[25] EN
[54] **VACUUM CLEANER ATTACHMENT WITH FLOATING CLEANING ELEMENT AND SURFACE CLEANING APPARATUS INCLUDING THE SAME**
[54] **ACCESSOIRE D'ASPIRATEUR DOTE D'UN ELEMENT DE NETTOYAGE FLOTTANT ET APPAREIL DE NETTOYAGE DE SURFACE COMPRENANT CELUI-CI**
[72] BURKE, BRIAN, US
[72] LIBERIS, WILLIAM, US
[72] THORNE, JASON B., US
[72] CAI, CHARLIE, CN
[72] HUTCHINSON, PETER, CN
[72] BROWN, ANDRE DAVID, GB
[72] XU, KAI, CN
[72] BOND, BRIAN M., US
[73] SHARKNINJA OPERATING LLC, US
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[25] EN
[54] **METHOD AND APPARATUS FOR CONTROL OF PULSED POWER IN HYBRID ENERGY STORAGE MODULE**
[54] **PROCEDE ET APPAREIL DE COMMANDE DE PUISSANCE PULSEE DANS UN MODULE DE STOCKAGE D'ENERGIE HYBRIDE**
[72] KUZNETSOV, STEPHEN, US
[73] RAYTHEON COMPANY, US
[85] 2017-06-19
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[30] US (14/591,695) 2015-01-07

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[51] **Int.Cl. H01B 17/30 (2006.01)**
[25] EN
[54] **ELECTRIC BUSHINGS HAVING INSULATION MEDIUM RETENTION SEALS**
[54] **TRAVERSEES ELECTRIQUES A JOINTS DE RETENUE DE MILIEU ISOLANT**
[72] WEATHERBEE, ERIC RALPH, US
[72] MCNULTY, ANDREW VICTOR, US
[72] ZHANG, SHIBAO, US
[72] KO, CHUNGDUCK, US
[73] HUBBELL INCORPORATED, US
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[51] **Int.Cl. C07D 307/50 (2006.01)**
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[54] **PREPARATION OF FURFURAL USING MIXED SOLVENTS**
[54] **PREPARATION DU FURFURAL A L'AIDE DE SOLVANTS MIXTES**
[72] DIVEKAR, SUNIL SADASHIV, IN
[72] KUMBHAR, PRAMOD SHANKAR, IN
[72] BAGAL, RAHUL VASANTRAO, IN
[72] KATARIYA, AMIT MADANLAL, IN
[73] BASF SE, DE
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[86] 2016-01-13 (PCT/IB2016/050138)
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[30] IN (139/MUM/2015) 2015-01-14
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[25] EN
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[54] **DISPOSITIF DE SECURITE DYNAMIQUE**
[72] MACPHERSON, CHARLES D., US
[72] BRASSARD, DANIEL, CA
[72] MALIC, LIDIJA, CA
[72] MORTON, KEITH J., CA
[72] VERES, TEODOR, CA
[72] GARANZOTIS, THEODOROS, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[73] BANK OF CANADA, CA
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[51] **Int.Cl. C08G 18/48 (2006.01) A01N 25/00 (2006.01) C08G 18/44 (2006.01)**
[25] EN
[54] **HYPERBRANCHED POLYMER MODIFIED WITH ISOCYANATE LINKER AND MIX OF SHORT AND LONG CHAIN ALKYL POLYETHER**
[54] **POLYMERE HYPERRAMIFIE MODIFIE PAR UN LIEUR ISOCYANATE ET UN MELANGE DE POLYETHER D'ALKYLE A CHAINES LONGUES ET COURTES**
[72] MERTOGLU, MURAT, BR
[72] WESTERHAUS, FELIX ALEXANDER, DE
[72] STADLER, DANIEL, CN
[72] CRONE, BENEDIKT, DE
[72] MARGUERRE, ANN-KATHRIN, DE
[72] BERGHAUS, RAINER, DE
[73] BASF SE, DE
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[30] EP (14200167.6) 2014-12-23
[30] EP (15184093.1) 2015-09-07

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[54] **MULTI-SPORT WATERCRAFT CARRIER**
[54] **PORTE-EMBARCATION MULTISPORT**
[72] FLAHERTY, JOSEPH, SE
[72] MAXIMENKO, MICHAEL, SE
[72] GALINDO, DAVID CASTANO, SE
[73] THULE SWEDEN AB, SE
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[25] EN
[54] **PRODUCTION OF RHAMNOLIPID COMPOSITIONS**
[54] **PRODUCTION DE COMPOSITIONS A BASE DE RHAMNOLIPIDES**
[72] LOHITHARN, NATTAPORN, US
[72] DERR, DANIEL, US
[73] STEPAN COMPANY, US
[85] 2017-07-06
[86] 2016-01-11 (PCT/US2016/012901)
[87] (WO2016/115048)
[30] US (62/102,310) 2015-01-12
[30] US (62/157,019) 2015-05-05
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[25] EN
[54] **PREFABRICATED LATH PANEL AND METHOD OF INSTALLATION OF A COVERING ONTO A PRE-EXISTING SUBSTRUCTURE USING THE SAME**
[54] **PANNEAU DE LATTES PREFABRIQUE ET METHODE D'INSTALLATION D'UN REVETEMENT SUR UNE SOUS-STRUCTURE EXISTANTE AU MOYEN DUDIT PANNEAU**
[72] CAMERON, JASMIN, CA
[73] 9151-1626 QUEBEC INC., CA
[86] (2973269)
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[25] EN
[54] **REGENERATIVE ADSORBENTS OF MODIFIED AMINES ON SOLID SUPPORTS**
[54] **ADSORBANTS REGENERABLES A BASE D'AMINES MODIFIEES SUR DES SUPPORTS SOLIDES**
[72] GOEPPERT, ALAIN, US
[72] ZHANG, HANG, US
[72] PRAKASH, G.K. SURYA, US
[72] OLAH, GEORGE A. (DECEASED), US
[73] UNIVERSITY OF SOUTHERN CALIFORNIA, US
[85] 2017-07-11
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[54] **FIBER OPTIC TERMINAL ENCLOSURE**
[54] **BOITIER DE BORNE DE FIBRE OPTIQUE**
[72] VAUGHN, ROGER, US
[72] LICHOULAS, TED, US
[72] COURCHAINE, WILFRED, US
[73] AFL TELECOMMUNICATIONS LLC, US
[85] 2017-07-10
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[30] US (62/102,407) 2015-01-12

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[51] **Int.Cl. G06F 3/06 (2006.01) G06F 12/06 (2006.01)**
[25] EN
[54] **OBJECT MEMORY DATA FLOW INSTRUCTION EXECUTION**
[54] **EXECUTION D'INSTRUCTIONS DE FLUX DE DONNEES DE MEMOIRE D'OBJET**
[72] FRANK, STEVEN J., US
[72] REBACK, LARRY, US
[73] ULTRATA, LLC, US
[85] 2017-07-19
[86] 2016-01-20 (PCT/US2016/014113)
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[54] **PROCEDES ET APPAREIL POUR SYSTEME DE SUPPORT DE POIDS CORPOREL**
[72] MCBRIDE, KEITH, US
[73] BIONESS INC., US
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[54] **FILTER CARTRIDGE WITH INTEGRATED GASEOUS SEAL FOR MULTIMODAL SURGICAL GAS DELIVERY SYSTEM**
[54] **CARTOUCHE FILTRANTE AVEC JOINT GAZEUX INTEGRE POUR SYSTEME MULTIMODAL D'ADMINISTRATION DE GAZ CHIRURGICAL**
[72] MASTRI, DOMINICK, US
[72] STEARNS, RALPH, US
[72] AUGELLI, MICHAEL J., US
[72] BLIER, KENNETH, US
[73] SURGIQUEST, INC., US
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[54] **BABY CARRIER COVER**
[54] **COUVRE PORTE-BEBE**
[72] MCHUGH, MICHAEL BENJAMIN, CA
[73] MCHUGH, MICHAEL BENJAMIN, CA
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[54] **7-BENZYL-4-(2-METHYLBENZYL)-2,4,6,7,8,9-HEXAHYDROIMIDAZO [1,2-A]PYRIDO[3,4-E]PYRIMIDIN-5(1H)-ONE, ANALOGS THEREOF, AND SALTS THEREOF AND METHODS FOR THEIR USE IN THERAPY**
[54] **7-BENZYL-4-(2-METHYLBENZYL)-2,4,6,7,8,9-HEXAHYDROIMIDAZO[1,2-A]PYRIDO[3,4-E]PYRIMIDIN-5(1H)-ONE, ANALOGUES ET SELS DE CE COMPOSE ET LEUR UTILISATION EN THERAPIE**
[72] STOGNIEW, MARTIN, US
[72] ALLEN, JOSHUA E., US
[72] POTTORF, RICHARD S., US
[72] NALLAGANCHU, BHASKARA RAO, US
[72] OLSON, GARY L., US
[72] SUN, YANJUN, US
[73] ONCOCEUTICS, INC., US
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[54] **JOINT POUR PILE A COMBUSTIBLE A ELECTROLYTE SOLIDE A BASE DE POLYMERE**
[72] STEWART, IAN, CA
[72] MCGOWAN, DARCY, CA
[72] GALLAGHER, EMERSON, CA
[73] BALLARD POWER SYSTEMS INC., CA
[85] 2017-08-10
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[54] **DISPENSER FOR SPRAYING FLUID**
[54] **DISTRIBUTEUR POUR VAPORISER UN LIQUIDE**
[72] COATES, ANDREW, GB
[72] DAVIS, NIGEL, GB
[72] TULLOCH, ANDREW, GB
[73] AAN MEDICAL LIMITED, GB
[85] 2017-08-16
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[72] ROYSTON, CLIFTON, US
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[54] **COMPOSITIONS COMPRISING COMBINATIONS OF ORGANIC ACIDS FOR USE IN ORAL CARE**
[54] **COMPOSITIONS COMPRENANT DES COMBINAISONS D'ACIDES ORGANIQUES POUR L'UTILISATION DANS LES SOINS BUCCAUX**
[72] GAMBOGI, ROBERT J., US
[72] GOLAS, PATRICIA L., US
[72] GEONNOTTI, ANTHONY R., III, US
[72] SERBIAK, BENJAMIN, US
[73] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2017-08-21
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[54] **ENABLING DEVICE-TO-DEVICE DISCOVERY**
[54] **ACTIVATION DE RECHERCHE DE DISPOSITIF A DISPOSITIF**
[72] PATIL, SHAILESH, US
[72] TAVILDAR, SAURABHA RANGRAO, US
[72] BAGHEL, SUDHIR KUMAR, US
[72] GULATI, KAPIL, US
[73] QUALCOMM INCORPORATED, US
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[54] **NEUTRALISATION A MEDIATION ANTICORPS DU VIRUS DE MARBURG**
[72] CROWE, JAMES E., US
[72] FLYAK, ANDREW I., US
[72] BUKREYEV, ALEXANDER, US
[72] ILINYKH, PHILIPP, US
[73] VANDERBILT UNIVERSITY, US
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **FORMULATIONS DE STIMULANT DE LIBERATION A TROIS IMPULSIONS**
[72] BRAMS, MATTHEW, US
[72] SILVA, RAUL, US
[72] STRAUGHN, ARTHUR, US
[73] CINGULATE THERAPEUTICS LLC, US
[85] 2017-08-22
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[25] EN
[54] **BICYCLIC TETRAHYDROTHIAZEPINE DERIVATIVES USEFUL FOR THE TREATMENT OF NEOPLASTIC AND/OR INFECTIOUS DISEASES**
[54] **DERIVES TETRAHYDROTHIAZEPINE BICYCLIQUES UTILES POUR LE TRAITEMENT DE MALADIES INFECTIEUSES ET/OU NEOPLASIQUES**
[72] ERMANN, MONIKA, GB
[72] LAMETSCHWANDTNER, GUENTHER, AT
[72] AMOUZEGH, PATRICIA LEONIE, GB
[72] CRAFT, RUSSELL STUART, GB
[72] HANKE, THOMAS, DE
[72] JAMES, TIMOTHY ROBIN, GB
[72] JONES, SEVERINE DANIELLE, GB
[72] LOIBNER, HANS, AT
[72] LOKE, PUI LENG, GB
[72] STERNBERGER, INA, DE
[72] STUETZ, ANTON, AT
[72] WEHR, ROLAND, DE
[72] WHITTAKER, MARK, GB
[73] APEIRON BIOLOGICS AG, AT
[73] EVOTEC SE, DE
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[54] **JOSEPHSON JUNCTION-BASED CIRCULATORS AND RELATED SYSTEMS AND METHODS**
[54] **CIRCULATEURS A BASE DE JONCTION JOSEPHSON ET SYSTEMES ET PROCEDES ASSOCIES**
[72] SLIWA, KATRINA, US
[72] HATRIDGE, MICHAEL, US
[72] NARLA, ANIRUDH, US
[72] SHANKAR, SHYAM, US
[72] FRUNZIO, LUIGI, US
[72] SCHOELKOPF, ROBERT J., III, US
[72] DEVORET, MICHEL, US
[73] YALE UNIVERSITY, US
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[51] **Int.Cl. H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSOCIATING MESSAGES WITH MEDIA DURING PLAYING THEREOF**
[54] **SYSTEME ET PROCEDE D'ASSOCIATION DE MESSAGES AVEC UN CONTENU MULTIMEDIA, DURANT LA LECTURE DE CE CONTENU**
[72] VAKNIN, OFER, IL
[72] MOR, YOAV, IL
[73] SECOND SCREEN VENTURES LTD., IL
[85] 2017-08-24
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[25] EN
[54] **CHILD-RESISTANT PACKAGING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'EMBALLAGE A L'EPREUVE DES ENFANTS**
[72] EVERETT, MUNSON WHITMAN, US
[73] MWE LLC, US
[85] 2017-08-24
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[54] **DISPOSITIF D'ASSISTANCE DE TRANSFERT ET D'ENTRAINEMENT DE PATIENT**
[72] LINGEGARD, HANS, SE
[73] ARJO IP HOLDING AKTIEBOLAG, SE
[85] 2017-08-25
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[72] BEIER, MARKUS, DE
[72] BREFORT, THOMAS, DE
[72] KOHLHAAS, JOCHEN, DE
[72] KELLER, ANDREAS, DE
[73] HUMMINGBIRD DIAGNOSTICS GMBH, DE
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[54] **CATHETERS WITH SIDE OPENINGS FOR MODIFYING AND DELIVERING SUSPENSIONS TO A SUBJECT**
[54] **CATHETERS AVEC DES OUVERTURES LATERALES PERMETTANT DE MODIFIER ET DE DISTRIBUER DES SUSPENSIONS A UN SUJET**
[72] TAL, MICHAEL GABRIEL, IL
[72] MILLER, ERAN, IL
[73] ACCURATE MEDICAL THERAPEUTICS LTD., IL
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[54] **NOVEL COMPOSITIONS, USES AND METHODS FOR MAKING THEM**
[54] **NOUVELLES COMPOSITIONS, LEURS UTILISATIONS ET LEURS PROCEDES DE PREPARATION**
[72] HADDACH, MUSTAPHA, US
[73] PIMERA, INC., US
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[51] **Int.Cl. H02G 3/22 (2006.01) F16L 5/02 (2006.01) F16L 5/08 (2006.01)**
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[54] **DISPOSITIF POUR SCELLER UN CONDUIT DANS UN MUR**
[72] KARLSSON, ANDREAS, SE
[73] ROXTEC AB, SE
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[25] EN
[54] **BALLOON CATHETER APPARATUS FOR INTERNAL COMBUSTION ENGINE COMPONENT LEAK DETECTION AND HIGH PRESSURE LEAK DETECTION**
[54] **APPAREIL DE CATHETER A BALLONNET POUR DETECTION DE FUITE DE COMPOSANT DE MOTEUR A COMBUSTION INTERNE ET DETECTION DE FUITE A HAUTE PRESSION**
[72] PARKER, ZACHARY M., US
[72] PIERONI, KENNETH A., US
[73] REDLINE DETECTION, LLC, US
[85] 2017-09-05
[86] 2016-03-09 (PCT/US2016/021586)
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[54] **GARAGE DOOR NOISE REDUCTION ROLLER ASSEMBLY**
[54] **MECANISME DE ROULEAUX DE REDUCTION DU BRUIT D'UNE PORTE DE GARAGE**
[72] KELLEY, ROBERT A., US
[73] KELLEY, ROBERT A., US
[86] (2978898)
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[54] **APPARATUS AND METHOD FOR CONTROLLING VALVE OPERATION BASED ON VALVE HEALTH**
[54] **APPAREIL ET METHODE SERVANT A CONTROLER LE FONCTIONNEMENT D'UNE ROBINETTERIE EN FONCTION DE SON ETAT**
[72] LOPEZ, MIGUEL ANGEL, US
[72] KAJITA, MARCOS SUGURU, US
[72] MU, NAN, SG
[72] NGUYEN, CHUONG, US
[72] RAY, COREY, US
[72] BOBADILLA LARIOS, MANUEL ALFONSO, US
[73] SCHLUMBERGER CANADA LIMITED, CA
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[54] **MAGNETO-OPTICAL MATERIAL, METHOD FOR PRODUCING SAME AND MAGNETO-OPTICAL DEVICE**
[54] **MATERIAU MAGNETO-OPTIQUE, SON PROCEDE DE PRODUCTION ET DISPOSITIF MAGNETO-OPTIQUE**
[72] MATSUMOTO, TAKUTO, JP
[72] IKARI, MASANORI, JP
[73] SHIN-ETSU CHEMICAL CO., LTD., JP
[85] 2017-09-07
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[30] JP (PCT/JP2016/054856) 2016-02-19

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[25] EN
[54] **POLYPEPTIDE ARRAYS AND METHODS OF ATTACHING POLYPEPTIDES TO AN ARRAY**
[54] **PUCES A POLYPEPTIDES ET PROCEDES DE FIXATION DE POLYPEPTIDES A UNE PUCE**
[72] RAJASEKARAN, JOHN J., US
[72] WANG, TIANHAO, US
[72] BEI, KANG, US
[72] JAYARAMAN, VASANTH, US
[72] KRISHNAMURTHY, HARI KRISHNAN, US
[73] VIBRANT HOLDINGS, LLC, US
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[86] 2016-03-14 (PCT/US2016/022299)
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[13] C
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[54] **PEROXIDE-FREE POLYMER AND SURFACTANT LIQUID LAUNDRY ADDITIVE COMPOSITIONS**
[54] **COMPOSITIONS ADDITIVES DE LIQUIDE POUR LA LESSIVE COMPORTANT UN SURFACTANT ET UN POLYMERE EXEMPTES DE PEROXYDE**
[72] FALK, NANCY A., US
[72] CAPRACOTTA, MICHAEL D., US
[72] GROSS, STEPHEN F., US
[72] MCDANIEL, ASHLEY M., US
[72] RUMJAHN, AMINAH M.., US
[72] SALMON, KEVIN M., US
[73] THE CLOROX COMPANY, US
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[25] EN
[54] **INOS-INHIBITORY COMPOSITIONS AND THEIR USE AS BREAST CANCER THERAPEUTICS**
[54] **COMPOSITIONS INHIBITRICES D'INOS ET LEUR UTILISATION COMME AGENTS THERAPEUTIQUES DE CANCER DU SEIN**
[72] CHANG, JENNY CHEE NING, US
[73] THE METHODIST HOSPITAL, US
[85] 2017-09-12
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[30] US (61/976,956) 2014-04-08

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[54] **PROTECTIVE HEADGEAR FOR SPORTS PARTICIPANTS, ESPECIALLY BASEBALL FIELDERS**
[54] **CASQUE DE PROTECTION POUR DES PERSONNES PARTICIPANT A UN SPORT, EN PARTICULIER DES JOUEURS DE CHAMP AU BASE-BALL**
[72] GARLAND, TYLOR, US
[72] BRADFORD, STEPHEN, US
[72] REICH, ROBERT, US
[73] MAJOR LEAGUE BASEBALL PROPERTIES, INC., US
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[87] (WO2016/149523)
[30] US (62/134,337) 2015-03-17
[30] US (62/294,444) 2016-02-12

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[25] EN
[54] **LIPID PROBES AND USES THEREOF**
[54] **SONDES DE LIPIDES ET UTILISATIONS ASSOCIEES**
[72] CRAVATT, BENJAMIN F., US
[72] NIPHAKIS, MICAH J., US
[72] LUM, KENNETH, US
[72] CORREIA, BRUNO, CH
[72] COGNETTA, ARMAND, US
[72] HULCE, JONATHAN, US
[73] THE SCRIPPS RESEARCH INSTITUTE, US
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[30] US (62/139,576) 2015-03-27

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[25] EN
[54] **MUTANT TRANSAMINASES AS WELL AS METHODS AND USES RELATING THERETO**
[54] **TRANSAMINASES MUTANTES AINSI QUE LEURS PROCEDES ET LEURS UTILISATIONS**
[72] BORNSCHEUER, UWE, DE
[72] HANLON, STEVEN PAUL, CH
[72] IDING, HANS, CH
[72] PAVLIDIS, IOANNIS, DE
[72] SPURR, PAUL, CH
[72] STEFFEN WEISS, MARTIN, DE
[72] WIRZ, BEAT, CH
[73] F. HOFFMANN-LA ROCHE AG, CH
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[54] **OCULAR DELIVERY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE POSE OCULAIRE**
[72] BADAWI, DAVID Y., US
[72] O'KEEFFE, DANIEL, US
[72] BADAWI, PAUL, US
[73] SIGHT SCIENCES, INC., US
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[54] **GLYCOLIPIDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR USE IN THERAPY**
[54] **GLYCOLIPIDES ET LEURS COMPOSITIONS PHARMACEUTIQUES DESTINEES A ETRE UTILISEES EN THERAPIE**
[72] BOTTLEY, ANDREW, GB
[72] HAYES, CHRISTOPHER, GB
[72] SEYMOUR, GRAHAM, GB
[72] GRABAWSKA, ANNA, GB
[72] CLARKE, PHILIP, GB
[73] THE UNIVERSITY OF NOTTINGHAM, GB
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[54] **PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) CONFIGURATION FOR MACHINE TYPE COMMUNICATIONS (MTC)**
[54] **CONFIGURATION DE CANAL PHYSIQUE DE COMMANDE EN LIAISON MONTANTE (PUCCH) POUR DES COMMUNICATIONS DE TYPE MACHINE (MTC)**
[72] FAKOORIAN, SEYED ALI AKBAR, US
[72] RICO ALVARINO, ALBERTO, US
[72] CHEN, WANSHI, US
[72] WANG, MICHAEL MAO, US
[72] XU, HAO, US
[73] QUALCOMM INCORPORATED, US
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[54] **ADVANCED DATA CELL RESOURCE MAPPING**
[54] **MISE EN CORRESPONDANCE DE RESSOURCES DE CELLULE DE DONNEES AMELIOREE**
[72] EARNSHAW, MARK, US
[72] SIMON, MICHAEL J., US
[72] SHELBY, KEVIN A., US
[73] ONE MEDIA, LLC, US
[85] 2017-09-26
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[54] **FOAMING DENTIFRICE WITH DESENSITIZING AGENTS**
[54] **DENTIFRICE MOUSSANT CONTENANT DES AGENTS DE DESENSIBILISATION**
[72] POTH, TILO, DE
[72] WOLF, HANSPETER, CH
[72] SCHMID, JOSHUA, CH
[72] D'AMBROGIO, ROBERT, US
[73] COLGATE-PALMOLIVE COMPANY, US
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[25] EN
[54] **METHOD FOR CHECKING EQUIVALENCE OF CODE**
[54] **PROCEDE DE VERIFICATION D'EQUIVALENCE DE CODE**
[72] KRECKEL, RICHARD, DE
[72] KUNZEL, ANDREAS, DE
[73] AREVA NP SAS, FR
[85] 2017-09-27
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[54] **FLEXIBLE MOUNTING SYSTEM FOR HAND HYGIENE DISPENSERS**
[54] **SYSTEME DE MONTAGE FLEXIBLE POUR DISTRIBUTEURS DE PRODUIT POUR L'HYGIENE DES MAINS**
[72] SCHULTZ, ANDREW M., US
[72] GILBERTSON, SARAH E., US
[72] ANDERSON, DANIEL D., US
[72] LITTAU, CHERYL A., US
[73] ECOLAB USA INC., US
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[54] **ULTRAVIOLET SANITATIONS SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ASSAINISSEMENT AUX ULTRAVIOLETS**
[72] MASYK, MITCHELL J., CA
[73] MASYK, MITCHELL J., CA
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[54] **DRY-POWDERED CHEESE COMPOSITIONS WITH NATURALLY-DERIVED COLOR BLENDS, METHOD OF MAKING AND CHEESE PRODUCT**
[54] **COMPOSITIONS DE FROMAGE SOUS FORME DE POUDRE SECHE DOTEES DE MELANGES DE SUBSTANCES COLOREES D'ORIGINE NATURELLE, PROCEDE DE FABRICATION ET PRODUIT FROMAGER**
[72] ENGELKE, AMBER LYNNE, US
[72] MCCLATCHEY, BRIDGET COLLEEN, US
[72] TOPINKA, JOHN BENJAMIN, US
[73] KRAFT FOODS GROUP BRANDS LLC, US
[85] 2017-09-28
[86] 2016-04-19 (PCT/US2016/028274)
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[54] **HETEROCYCLIC COMPOUNDS AS LSD1 INHIBITORS**
[54] **COMPOSES HETEROCYCLIQUES UTILISES EN TANT QU'INHIBITEURS DE LSD1**
[72] HE, CHUNHONG, US
[72] LI, ZHENWU, US
[72] WU, LIANGXING, US
[72] YAO, WENQING, US
[72] ZHANG, FENGLEI, US
[73] INCYTE HOLDINGS CORPORATION, US
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[54] **GROUND BASED ANTENNA BEAMFORMING FOR COMMUNICATIONS BETWEEN ACCESS NODES AND USERS TERMINALS LINKED BY A RELAY SUCH AS A SATELLITE**
[54] **ANTENNE AU SOL DE FORMATION DE FAISCEAUX POUR LES COMMUNICATIONS ENTRE DES NOEUDS D'ACCES ET DES TERMINAUX D'UTILISATEURS LIES PAR UN RELAI, COMME UN SATELLITE**
[72] MILLER, MARK, US
[72] BUER, KENNETH, US
[72] CRONIN, CHRISTOPHER, US
[73] VIASAT, INC., US
[85] 2017-10-04
[86] 2016-04-08 (PCT/US2016/026815)
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[25] EN
[54] **INDACEN-4-ONE DERIVATIVES, PROCESS FOR THEIR PREPARATION AND POLYMERS CONTAINING THEM**
[54] **DERIVES D'INDACEN-4-ONE, PROCEDE POUR LES PREPARER ET POLYMERES LES CONTENANT**
[72] PO, RICCARDO, IT
[72] BIANCHI, GABRIELE, IT
[73] ENI S.P.A., IT
[85] 2017-10-05
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[54] **GENERATING OPTIMIZED GEOMETRIES**
[54] **GENERATION DE GEOMETRIES OPTIMISEES**
[72] HILLER, JONATHAN, US
[72] BLANKENSHIP, JESSE C., US
[73] PTC INC., US
[85] 2017-10-06
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[54] **HYDROPONICS PLANTER**
[54] **PLANTEUSES HYDROPONIQUES**
[72] VAN BUUREN, EUGENE, ZA
[72] VAN BUUREN, JACQUES, ZA
[72] EHLERS, JAN GERHARDUS, ZA
[73] EDEN GREEN GLOBAL TECHNOLOGIES LIMITED, IE
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[54] **RECEPTACLE MEDICAL**
[72] WHELAN, CHRIS, AU
[73] NOBLE HOUSE GROUP PTY. LTD., AU
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[54] **MOUNTING BRACKET FOR ELECTRICAL OR COMMUNICATION DEVICE**
[54] **SUPPORT DE MONTAGE POUR DISPOSITIF ELECTRIQUE OU DE COMMUNICATION**
[72] WITHERBEE, MARTIN LEE, US
[72] KHAIRNAR, LALIT SUBHASH, IN
[72] PATIL, SAGAR ASHOK, IN
[73] EATON INTELLIGENT POWER LIMITED, IE
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[25] EN
[54] **T CELL WHICH EXPRESSES A GAMMA-DELTA T CELL RECEPTOR (TCR) AND A CHIMERIC ANTIGEN RECEPTOR (CAR)**
[54] **CELLULES T EXPRIMANT UN RECEPTEUR DES CELLULES T (TCR) GAMMA-DELTA ET UN RECEPTEUR ANTIGENIQUE CHIMERIQUE (CAR)**
[72] ANDERSON, JOHN, GB
[72] FISHER, JONATHAN, GB
[72] PULE, MARTIN, GB
[72] GUSTAFSSON, KENTH, GB
[73] UCL BUSINESS LTD, GB
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[54] **PERCUTANEOUS MITRAL VALVE REPLACEMENT DEVICE**
[54] **DISPOSITIF DE REMPLACEMENT DE VALVE ATRIO-VENTRICULAIRE GAUCHE PAR VOIE PERCUTANEE**
[72] OBA, TRAVIS ZENYO, US
[72] YI, SEUNG-BEOM, US
[72] FRESCHAUF, LAUREN R., US
[72] VALENCIA, JUAN, US
[73] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **AN IMPROVED TOOTHBRUSH**
[54] **BROSSE A DENTS AMELIOREE**
[72] DIAMOND, DAVID, IE
[73] GLAXOSMITHKLINE CONSUMER HEALTHCARE (UK) IP LIMITED, GB
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[54] **BENZOXAZEPIN OXAZOLIDINONE COMPOUNDS AND METHODS OF USE**
[54] **COMPOSES DE BENZOXAZEPINE OXAZOLIDINONE ET LEURS PROCEDES D'UTILISATION**
[72] BRAUN, MARIE-GABRIELLE, US
[72] ELLIOTT, RICHARD, GB
[72] HANAN, EMILY, US
[72] HEALD, ROBERT ANDREW, GB
[72] MACLEOD, CALUM, GB
[72] STABEN, STEVEN T., US
[73] F. HOFFMANN-LA ROCHE AG, CH
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[54] **METHODS OF TREATING BACTERIAL INFECTIONS**
[54] **METHODES DE TRAITEMENT D'INFECTIONS BACTERIENNES**
[72] GRIFFITH, DAVID C., US
[72] DUDLEY, MICHAEL N., US
[72] LOUTIT, JEFFREY S., US
[72] LOMOVSKAYA, OLGA, US
[73] REMPEX PHARMACEUTICALS, INC., US
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[25] EN
[54] **GLUCOSE-RESPONSIVE INSULIN DELIVERY SYSTEM USING HYPOXIA-SENSITIVE NANOCOMPOSITES**
[54] **SYSTEME DE DISTRIBUTION D'INSULINE REPONDANT AU GLUCOSE AU MOYEN DE NANOCOMPOSITES SENSIBLES A L'HYPOXIE**
[72] GU, ZHEN, US
[72] YU, JICHENG, US
[73] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2017-10-18
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[54] **METHOD AND APPARATUS FOR ADVANCED VACUUM MEMBRANE DISTILLATION**
[54] **PROCEDE ET APPAREIL S'APPLIQUANT A LA DISTILLATION MEMBRANAIRE SOUS VIDE PERFECTIONNEE**
[72] CHIDAMBARAN, RAVI, US
[72] RAINA, PAVAN, IN
[72] BISHT, NARENDRA SINGH, IN
[72] BHINGE, SANTOSH VENKATESH, IN
[73] AQUATECH INTERNATIONAL, LLC, US
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[25] FR
[54] **HYBRID NANOCOMPOSITE MATERIALS, LASER SCANNING SYSTEM AND USE THEREOF IN VOLUMETRIC IMAGE PROJECTION**
[54] **MATERIAUX NANOCOMPOSITES HYBRIDES, SYSTEME DE BALAYAGE LASER, ET LEUR APPLICATION EN PROJECTION D'IMAGERIE VOLUMETRIQUE**
[72] ALLEN, CLAUDINE, CA
[72] THIBAULT, SIMON, CA
[72] TALBOT-LANCIAULT, ALICIA, CA
[72] BLAIS, PHILIPPE, CA
[72] ST-ONGE, GUILLAUME, CA
[72] DESAULNIERS, PIERRE, CA
[73] LUX IMAGE INC., CA
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[54] **INSPECTION OF DRILLED FEATURES IN OBJECTS**
[54] **INSPECTION D'ELEMENTS PERCES DANS DES OBJETS**
[72] CARBERRY, JONATHAN MICHAEL, GB
[72] COOK, AUSTIN JAMES, GB
[73] BAE SYSTEMS PLC, GB
[85] 2017-10-23
[86] 2016-04-28 (PCT/GB2016/051213)
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[25] EN
[54] **COMPOUNDING DEVICE, SYSTEM, KIT, SOFTWARE AND METHOD**
[54] **DISPOSITIF, SYSTEME, KIT, LOGICIEL ET PROCEDE DE MELANGE**
[72] BROWN, MICHAEL Y., US
[72] LANE, BENJAMIN R., US
[72] MUMPOWER, MARIANO, US
[72] COWPERTHWAITE, JAKE A., US
[72] KENDALL, JAMIE, US
[72] SAVAGE, JEREMY C., US
[72] LARROW, CHET B., US
[72] FLAMM, ALEX K., US
[72] HERSHEY, DAVE E., US
[72] PEARL, AARON S., US
[72] KONRAD, KARL, US
[72] BARTHOLOMEW, JOEL, US
[72] JANDERS, MIKE, US
[72] BURNARD, EDWIN, US
[73] B. BRAUN MEDICAL INC., US
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[54] **TRANSMISSION DE CANAL DE COMMANDE ET CORRECTION D'ERREUR DE FREQUENCE**
[72] PAPASAKELLARIOU, ARIS, US
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[54] **MULTIPROCESSOR PIPELINE ARCHITECTURE**
[54] **ARCHITECTURE PIPELINE DE MULTIPROCESSEUR**
[72] HELGESEN, SCOTT E., US
[72] MILLETTI, MARCO, US
[72] LAKATA, MARK T., US
[72] LABRENZ, JAMES N., US
[73] PACIFIC BIOSCIENCES OF CALIFORNIA, INC., US
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[25] EN
[54] **APPARATUS AND METHODS FOR SEMI-AUTONOMOUS CLEANING OF SURFACES**
[54] **APPAREIL ET PROCEDES PERMETTANT LE NETTOYAGE SEMI-AUTONOME DE SURFACES**
[72] SHEIKH, FAIZAN, CA
[72] D'ALESSIO-DOUCET, JULIEN, CA
[72] LEE, KENNETH, CA
[72] CABRERA, PABLO ROBERTO MOLINA, CA
[72] WILLICK, TODD, CA
[73] AVIDBOTS CORP., CA
[85] 2017-10-24
[86] 2016-04-25 (PCT/CA2016/050480)
[87] (WO2016/168944)
[30] US (62/152,303) 2015-04-24

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[13] C
[51] **Int.Cl. F03G 6/00 (2006.01) F24S 60/30 (2018.01) F24S 80/30 (2018.01) F01D 17/18 (2006.01) F01K 3/12 (2006.01) F01K 3/18 (2006.01) F01K 9/00 (2006.01) F01K 13/02 (2006.01)**
[25] EN
[54] **A SYSTEM FOR GENERATING ELECTRICAL POWER FROM LOW TEMPERATURE STEAM**
[54] **SYSTEME DE PRODUCTION D'ELECTRICITE A PARTIR DE VAPEUR BASSE TEMPERATURE**
[72] DAVIES, ROGER, AU
[73] INTEX HOLDINGS PTY LTD, AU
[85] 2017-10-27
[86] 2016-04-28 (PCT/AU2016/000152)
[87] (WO2016/172761)
[30] AU (2015901526) 2015-04-29

[11] **2,984,173**
[13] C
[51] **Int.Cl. E21B 43/16 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **SINGLE-WELL GAS-ASSISTED GRAVITY DRAINING PROCESS FOR OIL RECOVERY**
[54] **PROCEDE DE DRAINAGE PAR GRAVITE ASSISTE PAR GAZ A PUITS UNIQUE POUR LA RECUPERATION DE PETROLE**
[72] RAO, DANDINA, US
[73] BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, US
[85] 2017-10-26
[86] 2016-05-09 (PCT/US2016/031455)
[87] (WO2016/183001)
[30] US (62/158,840) 2015-05-08

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[13] C
[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **ADIPOSE TISSUE SEPARATION DEVICE AND METHODS**
[54] **DISPOSITIF ET PROCEDES DE SEPARATION DE TISSU ADIPEUX**
[72] VENTURI, MARK LOUIS, US
[73] VENTURI, MARK LOUIS, US
[85] 2017-10-27
[86] 2016-05-24 (PCT/US2016/033896)
[87] (WO2016/191411)
[30] US (14/723,717) 2015-05-28

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[13] C
[51] **Int.Cl. B65D 5/72 (2006.01)**
[25] EN
[54] **DUAL MERCHANDIZING CASE**
[54] **BOITE DE COMMERCIALISATION DOUBLE**
[72] KEEDER, KAREN, US
[73] KELLOGG COMPANY, US
[85] 2017-10-30
[86] 2016-05-18 (PCT/US2016/033107)
[87] (WO2016/187322)
[30] US (62/163,537) 2015-05-19

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[13] C
[51] **Int.Cl. H04L 41/28 (2022.01) H04L 43/50 (2022.01)**
[25] EN
[54] **FIREWALL AUTHENTICATION OF CONTROLLER-GENERATED INTERNET CONTROL MESSAGE PROTOCOL (ICMP) ECHO REQUESTS**
[54] **AUTHENTIFICATION PAR PARE-FEU DE REQUETES D'ECHO DE PROTOCOLE DE MESSAGE DE COMMANDE INTERNET (ICMP) GENEREES PAR CONTROLEUR**
[72] YU, YINFENG, CA
[72] AKHAVAIN MOHAMMADI, MEHDI ARASHMID, CA
[72] WAN, TAO, CA
[72] YIN, GUOLI, CA
[72] CHU, XINGJUN, CA
[72] AL-ZOUBI, KHALDOON, CA
[72] WU, YAPENG, CA
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-11-01
[86] 2016-05-03 (PCT/CN2016/080902)
[87] (WO2016/180257)
[30] US (14/709,180) 2015-05-11

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[51] **Int.Cl. E21B 23/14 (2006.01) E21B 17/00 (2006.01) E21B 19/22 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DEPLOYING AN ELECTRICAL LOAD DEVICE IN A WELLBORE**
[54] **PROCEDE ET SYSTEME POUR DEPLOYER UN DISPOSITIF DE CHARGE ELECTRIQUE DANS UN PUITS DE FORAGE**
[72] MACLEAN, IAIN, GB
[72] SEARS, KENNETH, GB
[72] COUTTS, EDWIN, GB
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2017-11-01
[86] 2016-04-27 (PCT/GB2016/051189)
[87] (WO2016/177996)
[30] US (14/701,567) 2015-05-01

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[13] C
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/958 (2019.01) G06F 40/186 (2020.01) H04L 67/306 (2022.01) H04L 67/52 (2022.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CREATING USER-MANAGED ONLINE PAGES (MAPPAGES) LINKED TO LOCATIONS ON AN INTERACTIVE DIGITAL MAP**
[54] **SYSTEMES ET PROCEDES DE CREATION DE PAGES EN LIGNE GEREES PAR LES UTILISATEURS (MAPPAGES) LIEES A DES EMPLACEMENTS SUR UNE CARTE NUMERIQUE INTERACTIVE**
[72] AKKARAWITTAYAPOOM, SOMCHAI, TH
[73] AKKARAWITTAYAPOOM, SOMCHAI, TH
[85] 2017-11-01
[86] 2016-05-17 (PCT/IB2016/000900)
[87] (WO2016/185286)
[30] US (62/162,837) 2015-05-18
[30] US (14/855,204) 2015-09-15

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[13] C
[51] **Int.Cl. A63G 7/00 (2006.01)**
[25] EN
[54] **AMUSEMENT RIDE WITH SPEED TRIM SYSTEM**
[54] **MANEGE A SYSTEME DE COMPENSATION DE VITESSE**
[72] ROODENBURG, HENDRIK FICUS, NL
[72] CAELEN, ELOY JACOBUS ANTONIUS GERARDUS, NL
[73] VEKOMA RIDES ENGINEERING B.V., NL
[85] 2017-11-01
[86] 2016-05-03 (PCT/NL2016/050319)
[87] (WO2016/178573)
[30] NL (2014760) 2015-05-04

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[51] **Int.Cl. F04D 29/30 (2006.01) F01D 5/14 (2006.01) F04D 29/28 (2006.01) F04D 29/68 (2006.01)**
[25] EN
[54] **CENTRIFUGAL COMPRESSOR IMPELLER AND COMPRESSOR COMPRISING SAID IMPELLER**
[54] **ROTOR DE COMPRESSEUR CENTRIFUGE ET COMPRESSEUR COMPRENANT LEDIT ROTOR**
[72] GUIDOTTI, EMANUELE, IT
[72] RUBINO, DANTE TOMMASO, IT
[73] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2017-11-02
[86] 2016-05-12 (PCT/EP2016/060743)
[87] (WO2016/184782)
[30] IT (MI2015A000688) 2015-05-15

[11] **2,984,897**
[13] C
[51] **Int.Cl. C07K 14/325 (2006.01) C12N 5/04 (2006.01) C12N 15/32 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **A NUCLEIC ACID MOLECULE FOR CONFERRING INSECTICIDAL PROPERTIES IN PLANTS**
[54] **MOLECULE D'ACIDE NUCLEIQUE CONFERANT DES PROPRIETES INSECTICIDES A DES PLANTES**
[72] MITTENDORF, VOLKER, US
[72] CONVILLE, JARED, US
[72] HIPSKIND, JOHN DANIEL, US
[72] AZHAKANANDAM, KASIMALAI, US
[72] NOE, ANDREW, US
[72] FEI, XIAOYIN, US
[72] DONOHUE, KEVIN V., US
[73] SYNGENTA PARTICIPATIONS AG, CH
[85] 2017-11-02
[86] 2016-04-27 (PCT/US2016/029424)
[87] (WO2016/209360)
[30] US (62/184,227) 2015-06-24

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[13] C
[51] **Int.Cl. A01D 41/06 (2006.01) A01D 41/16 (2006.01) A01D 47/00 (2006.01) A01D 69/00 (2006.01)**
[25] EN
[54] **AUTOMATED SYSTEM FOR COUPLING A HARVESTING HEADER DRIVETRAIN**
[54] **SYSTEME AUTOMATISE DE COUPLAGE DE LA CHAINE CINEMATIQUE D'UNE TETE DE RECOLTE**
[72] SARAIVA, DANIEL, BR
[72] SORENSEN, JAKOB BRO, DK
[72] SORENSEN, HENNING, DK
[72] WALTER, AIRTON, BR
[73] AGCO INTERNATIONAL GMBH, CH
[73] AGCO DO BRASIL SOLUCOES AGRICOLAS LTDA, BR
[85] 2017-11-03
[86] 2016-06-08 (PCT/IB2016/000804)
[87] (WO2016/207708)
[30] GB (1510914.3) 2015-06-22

[11] **2,985,159**
[13] C
[51] **Int.Cl. B63B 21/04 (2006.01) B63B 21/50 (2006.01) F16B 1/04 (2006.01) F16G 11/00 (2006.01)**
[25] EN
[54] **MOORING LINE CONNECTOR ASSEMBLY FOR CONNECTING A MOORING LINE TO A FLOATING STRUCTURE**
[54] **ENSEMBLE DE LIAISON DE LIGNE D'AMARRE DESTINE A RELIER UNE LIGNE D'AMARRE A UNE STRUCTURE FLOTTANTE**
[72] BENOIT, JEAN PIERRE, FR
[72] PASSIEUX, BENJAMIN MAURICE, FR
[73] SINGLE BUOY MOORINGS INC., CH
[85] 2017-11-06
[86] 2016-05-11 (PCT/EP2016/060532)
[87] (WO2016/180866)
[30] EP (15167400.9) 2015-05-12

[11] **2,985,283**
[13] C
[51] **Int.Cl. G01F 7/00 (2006.01) G01F 1/34 (2006.01)**
[25] EN
[54] **IMPROVED FLOW MEASUREMENT APPARATUS AND METHOD OF USE**
[54] **APPAREIL AMELIORE DE MESURE D'ECOULEMENT ET PROCEDE D'UTILISATION**
[72] MUNRO, GAVIN, GB
[73] GM MEASUREMENT SERVICES LIMITED, GB
[85] 2017-11-07
[86] 2016-05-27 (PCT/GB2016/051543)
[87] (WO2016/193681)
[30] GB (1509334.7) 2015-05-29

[11] **2,985,318**
[13] C
[51] **Int.Cl. G01M 11/02 (2006.01) G01B 9/00 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM AND METHOD OF DETERMINING ONE OR MORE OPTICAL PARAMETERS OF A LENS**
[54] **APPAREIL, SYSTEME ET PROCEDE DE DETERMINATION D'UN OU DE PLUSIEURS PARAMETRES OPTIQUES D'UN VERRE**
[72] LIMON, OFER, IL
[72] BACHAR, HAIM, IL
[72] ALTMARK, NIR, IL
[72] LEVY, SHAHAR, IL
[73] 6 OVER 6 VISION LTD., IL
[85] 2017-11-07
[86] 2016-05-10 (PCT/IB2016/052673)
[87] (WO2016/181310)
[30] US (62/159,295) 2015-05-10
[30] US (62/216,757) 2015-09-10
[30] US (62/286,331) 2016-01-23

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[13] C
[51] **Int.Cl. B21D 53/00 (2006.01) B21D 11/10 (2006.01) E21B 17/10 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR FORMING BOW SPRINGS OF ONE-PIECE CENTRALIZERS**
[54] **DISPOSITIFS ET PROCEDES POUR LA FORMATION DE RESSORTS EN ARC DE CENTREURS MONOBLOCS**
[72] MILLER, EUGENE EDWARD, US
[72] JOHNSTON, EVERETT H., US
[72] NEEL, JESSE L., US
[72] CARROLL, CHARLES, US
[72] RIBBLE, GEORGE W., US
[73] INNOVEX DOWNHOLE SOLUTIONS, INC., US
[85] 2017-11-07
[86] 2016-04-22 (PCT/US2016/028879)
[87] (WO2016/182713)
[30] US (14/707,845) 2015-05-08

[11] **2,985,361**
[13] C
[51] **Int.Cl. H02B 1/30 (2006.01)**
[25] EN
[54] **CIRCUIT BREAKER PANEL BOARD INCLUDING ILLUMINATION UNIT**
[54] **PLAQUE DE PANNEAU DISJONCTEUR MUNIE D'UNE UNITE D'ECLAIRAGE**
[72] RICCIUTI, ANTHONY T., US
[72] FOGLE, THOMAS K., US
[72] FELLO, JOE P., US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2017-11-07
[86] 2016-05-13 (PCT/US2016/032246)
[87] (WO2016/183399)
[30] US (14/710,781) 2015-05-13

[11] **2,985,475**
[13] C
[51] **Int.Cl. E04B 9/22 (2006.01) E04B 9/04 (2006.01)**
[25] EN
[54] **CEILING MOUNTING SYSTEM AND RELATED METHOD**
[54] **SYSTEME DE MONTAGE DE PLAFOND ET PROCEDE ASSOCIE**
[72] OLESKE, PETER J., US
[73] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2017-11-08
[86] 2016-06-01 (PCT/US2016/035166)
[87] (WO2016/196558)
[30] US (14/728,404) 2015-06-02

[11] **2,985,584**
[13] C
[51] **Int.Cl. E04H 12/00 (2006.01)**
[25] EN
[54] **UTILITY OR METER POLE TOP REINFORCEMENT METHOD AND APPARATUS**
[54] **APPAREIL ET PROCEDE DE RENFORCEMENT DE DESSUS DE BORNE DE COMPTEUR D'ELECTRICITE OU DE SERVICE PUBLIC**
[72] BUTLER, ROBERT P., US
[73] PLS TECHNOLOGIES, INC., US
[86] (2985584)
[87] (2985584)
[22] 2017-11-15
[30] US (15/352,176) 2016-11-15

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[51] **Int.Cl. C02F 1/461 (2006.01) A23L 2/38 (2021.01) A23L 2/52 (2006.01) C02F 1/02 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **PROCESS OF MAKING ALKALINE AND ACIDIC WATER**
[54] **PROCEDE DE PRODUCTION D'EAU ALCALINE ET D'EAU ACIDE**
[72] MANOS, PAUL D., US
[72] WESTON, DEAN D., US
[73] G WATER LLC, US
[85] 2017-11-10
[86] 2016-05-05 (PCT/US2016/030900)
[87] (WO2016/186852)
[30] US (62/162,197) 2015-05-15

[11] **2,985,864**
[13] C
[51] **Int.Cl. C05G 5/30 (2020.01) C05B 7/00 (2006.01) C05C 9/00 (2006.01) C05D 11/00 (2006.01) C05F 3/00 (2006.01) C05F 11/00 (2006.01) C05G 1/00 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **NON-AQUEOUS ORGANO LIQUID DELIVERY SYSTEMS CONTAINING DISPERSED POLY (ORGANIC ACIDS) THAT IMPROVE AVAILABILITY OF MACRO & MICRO-NUTRIENTS TO PLANTS**
[54] **SYSTEMES DE DISTRIBUTION DE LIQUIDE ORGANIQUE NON-AQUEUX CONTENANT DES ACIDES (POLY)ORGANIQUES DISPERSES AMELIORANT LA DISPONIBILITE DE MACRO & MICRO-NUTRIMENTS DE PLANTES**
[72] MCKNIGHT, GARY DAVID, US
[72] RAYBORN, RANDALL LINWOOD, US
[72] XU, WEI, US
[72] PARKER, DAVID, US
[73] MCKNIGHT, GARY DAVID, US
[73] RAYBORN, RANDALL LINWOOD, US
[73] XU, WEI, US
[73] PARKER, DAVID, US
[85] 2017-11-10
[86] 2016-05-13 (PCT/US2016/032518)
[87] (WO2016/183511)
[30] US (62/160,918) 2015-05-13
[30] US (14/740,327) 2015-06-15

[11] **2,985,877**
[13] C
[51] **Int.Cl. B65G 11/08 (2006.01) B65G 11/12 (2006.01) B65G 45/22 (2006.01)**
[25] EN
[54] **CONVEYOR BELT SYSTEM FOR TRANSPORTING A FOOD PRODUCT, AND A METHOD FOR CLEANING A CONVEYOR BELT IN A CONVEYOR BELT SYSTEM**
[54] **SYSTEME DE COURROIE TRANSPORTEUSE POUR LE TRANSPORT D'UN PRODUIT ALIMENTAIRE, ET PROCEDE DE NETTOYAGE D'UNE COURROIE TRANSPORTEUSE DANS UN SYSTEME DE COURROIE TRANSPORTEUSE**
[72] OLSON, MICHAEL, US
[72] KEIM, NATHAN, US
[72] JOHNSON, KYLE, US
[73] TETRA LAVAL HOLDINGS & FINANCE S.A., CH
[85] 2017-11-14
[86] 2016-05-12 (PCT/EP2016/060714)
[87] (WO2016/192951)
[30] US (14725439) 2015-05-29

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[13] C
[51] **Int.Cl. H01Q 1/27 (2006.01) A41D 13/00 (2006.01) A41D 27/00 (2006.01) H01Q 1/22 (2006.01) H01Q 3/34 (2006.01)**
[25] EN
[54] **BODY-WEARABLE ANTENNA SYSTEM**
[54] **SYSTEME D'ANTENNE POUVANT ETRE PORTE SUR LE CORPS**
[72] BOYES, STEPHEN JOHN, GB
[73] THE SECRETARY OF STATE FOR DEFENCE, GB
[85] 2017-11-14
[86] 2016-06-03 (PCT/GB2016/000111)
[87] (WO2016/198820)
[30] GB (1510487.0) 2015-06-12

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[13] C
[51] **Int.Cl. B65D 85/804 (2006.01) B31B 50/00 (2017.01) A47J 31/24 (2006.01) A47J 31/34 (2006.01)**
[25] EN
[54] **A CAPSULE, A SYSTEM FOR PREPARING A POTABLE BEVERAGE FROM SUCH A CAPSULE AND USE OF SUCH A CAPSULE IN A BEVERAGE PREPARATION DEVICE**
[54] **CAPSULE, SYSTEME POUR PREPARER UNE BOISSON POTABLE A PARTIR D'UNE TELLE CAPSULE ET UTILISATION D'UNE TELLE CAPSULE DANS UN DISPOSITIF DE PREPARATION DE BOISSON**
[72] DIJKSTRA, HIELKE, NL
[72] GROOTHORNTE, AREND HENDRIK, NL
[72] VAN GAASBEEK, ERIK PIETER, NL
[72] OTTENSCHOT, MARC HENRIKUS JOSEPH, NL
[72] KAMERBEEK, RALF, NL
[72] EIJSACKERS, ARMIN SJOERD, NL
[72] FLAMAND, JOHN HENRI, NL
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2017-11-14
[86] 2016-05-13 (PCT/NL2016/050341)
[87] (WO2016/186488)
[30] NL (PCT/NL2015/050351) 2015-05-15

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[13] C
[51] **Int.Cl. F24F 12/00 (2006.01) F24F 11/30 (2018.01) F24F 13/30 (2006.01) F28F 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING CONDITIONS IN ENCLOSED SPACE**
[54] **SYSTEMES ET PROCEDES PERMETTANT LA GESTION DE CONDITIONS DANS UN ESPACE FERME**
[72] LEPOUDRE, PHILIP PAUL, CA
[72] GERBER, MANFRED, CA
[73] NORTEK AIR SOLUTIONS CANADA, INC., CA
[85] 2017-11-15
[86] 2016-05-02 (PCT/CA2016/050507)
[87] (WO2016/183668)
[30] US (62/162,487) 2015-05-15
[30] CA (PCT/CA2016/050252) 2016-03-08

[11] **2,986,068**
[13] C
[51] **Int.Cl. H04W 72/40 (2023.01)**
[25] EN
[54] **TECHNIQUES FOR REPORTING BUFFER STATUS IN WIRELESS COMMUNICATIONS**
[54] **TECHNIQUES POUR RAPPORTER UN ETAT DE MEMOIRE TAMPON DANS DES COMMUNICATIONS SANS FIL**
[72] BAGHEL, SUDHIR KUMAR, US
[72] PATIL, SHAILESH, US
[72] TAVILDAR, SAURABHA RANGRAO, US
[72] GULATI, KAPIL, US
[72] JIANG, LIBIN, US
[73] QUALCOMM INCORPORATED, US
[85] 2017-11-14
[86] 2016-06-30 (PCT/US2016/040328)
[87] (WO2017/004341)
[30] US (62/188,225) 2015-07-02
[30] US (15/197,477) 2016-06-29

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[13] C
[51] **Int.Cl. F21V 9/08 (2018.01) F21K 9/00 (2016.01) B61L 5/18 (2006.01) F21V 7/04 (2006.01) F21V 7/06 (2006.01) F21V 9/00 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR LED BASED INCANDESCENT REPLACEMENT MODULE FOR RAILWAY SIGNAL**
[54] **PROCEDE ET SYSTEME POUR MODULE DE REMPLACEMENT A INCANDESCENCE A BASE DE DIODES ELECTROLUMINESCENTES POUR DISPOSITIF DE SIGNALISATION DE CHEMIN DE FER**
[72] FAN, YU FELIX, CA
[72] TAVERNESE, LUIGI, CA
[72] URTIGA, LUCAS, CA
[72] DUBUC, EDEN, CA
[73] CURRENT LIGHTING SOLUTIONS, LLC, US
[85] 2017-11-16
[86] 2016-04-28 (PCT/US2016/029645)
[87] (WO2016/191021)
[30] US (62/167,238) 2015-05-27
[30] US (14/964,873) 2015-12-10

[11] **2,986,430**
[13] C
[51] **Int.Cl. G10L 21/038 (2013.01) G10L 19/00 (2013.01)**
[25] EN
[54] **HIGH-BAND SIGNAL GENERATION**
[54] **GENERATION DE SIGNAL A GRANDE LARGEUR DE BANDE**
[72] ATTI, VENKATRAMAN, US
[72] CHEBIYYAM, VENKATA SUBRAHMANYAM CHANDRA SEKHAR, US
[73] QUALCOMM INCORPORATED, US
[85] 2017-11-17
[86] 2016-05-26 (PCT/US2016/034444)
[87] (WO2016/204955)
[30] US (62/181,702) 2015-06-18
[30] US (62/241,065) 2015-10-13
[30] US (15/164,583) 2016-05-25

[11] **2,986,440**
[13] C
[51] **Int.Cl. A61F 2/966 (2013.01)**
[25] EN
[54] **SCAFFOLD LOADING AND DELIVERY SYSTEMS**
[54] **SYSTEMES DE CHARGEMENT ET DE DISTRIBUTION DE SUPPORT**
[72] HELMICK, MARC, US
[72] MERLO, JONATHAN, US
[72] CORE, LEE, US
[72] PHAM, QUYNH, US
[72] PROSTROLLO, ANTHONY, US
[72] PAULSON, ROSS, US
[72] PETERSON, DANIELLE, US
[72] PRAHL, GARRETT, US
[72] BEYREIS, RANDALL, US
[72] CHOUINARD, MICHELE, US
[73] LYRA THERAPEUTICS, INC., US
[85] 2017-11-17
[86] 2016-06-29 (PCT/US2016/040102)
[87] (WO2017/004209)
[30] US (62/186,311) 2015-06-29
[30] US (62/236,886) 2015-10-03
[30] US (62/314,239) 2016-03-28

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[13] C
[51] **Int.Cl. C07C 59/72 (2006.01) A61K 31/192 (2006.01) A61K 31/197 (2006.01) A61P 21/00 (2006.01) C07C 59/70 (2006.01) C07C 233/47 (2006.01) C07C 311/19 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR USE IN TREATING NEUROMUSCULAR DISORDERS**
[54] **COMPOSES DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE TROUBLES NEUROMUSCULAIRES**
[72] HOLM PEDERSEN, THOMAS, DK
[72] BROCH-LIPS, MARTIN, DK
[72] ELSBORG OLESEN, CLAUS, DK
[72] LABELLE, MARC, US
[72] BAKGAARD NIELSEN, OLE, DK
[73] NMD PHARMA A/S, DK
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[54] **ENSEMBLE D'ANNEAU DE TURBINE AVEC MAINTIEN PAR BRIDES**
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[72] EVAIN, GAEL, FR
[72] PLANCKEEL, ALINE, FR
[72] GROLEAU, CLAIRE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
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[54] **CELLULES NK-92 MODIFIEES POUR TRAITER LE CANCER**
[72] LEE, TIEN, US
[73] NANTKWEST, INC., US
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[54] **ROBOTIC SURGICAL SYSTEM TORQUE TRANSDUCTION SENSING**
[54] **DETECTION DE TRANSDUCTION DE COUPLE DE SYSTEME CHIRURGICAL ROBOTIQUE**
[72] KOPP, BROCK, US
[72] IRKA, PHILIP, US
[72] MACLEOD, MARK, US
[73] COVIDIEN LP, US
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[54] **SYSTEM AND METHOD FOR DETERMINING FACER SURFACE SMOOTHNESS**
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE CARACTERE LISSE DE SURFACE DE PAREMENT**
[72] OMODT, JENNER, US
[72] LI, ALFRED C., US
[72] SHAKE, MICHAEL P., US
[72] SONG, WEIXIN D., US
[73] UNITED STATES GYPSUM COMPANY, US
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[54] **SYSTEM AND METHOD FOR LOYALTY INTEGRATION FOR MERCHANT SPECIFIC DIGITAL WALLETS**
[54] **SYSTEME ET PROCEDE D'INTEGRATION DE FIDELITE POUR PORTEFEUILLES NUMERIQUES SPECIFIQUES DE MARCHAND**
[72] JOGLEKAR, AJINKYA P., US
[72] FIELD, MANNING R., US
[73] JPMORGAN CHASE BANK, N.A., US
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[72] WERNER, KLAUS, DE
[73] ELLENBERGER & POENSGEN GMBH, DE
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[54] **CARTOGRAPHIE GEOTECHNIQUE MOBILE AUTOMATISEE**
[72] GALLANT, MARC, CA
[72] MARSHALL, JOSHUA, CA
[73] QUEEN'S UNIVERSITY AT KINGSTON, CA
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[54] **DETERMINING A COMMUNICATION DELAY IN A COMMUNICATION NETWORK WITHIN AN ELECTRICAL POWER NETWORK**
[54] **DETERMINATION D'UN DELAI DE COMMUNICATION DANS UN RESEAU DE COMMUNICATION AU SEIN D'UN RESEAU DE DISTRIBUTION D'ENERGIE ELECTRIQUE**
[72] HA, HENGXU, GB
[72] SRI GOPALA KRISHNA MURTHI, SANKARA SUBRAMANIAN, GB
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
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[72] CICERI, DANIELE, IT
[72] PETERLONGO, FEDERICO, IT
[72] RONCHI, MASSIMO, IT
[73] INDENA S.P.A., IT
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[54] **SUPPORT DE SOUPAPE A DISQUE ELASTOMERE FONCTIONNANT DANS UN OUTIL A MAIN A ELEMENT DE FIXATION ACTIONNE PAR COMBUSTION**
[72] WONG, RAYMOND, US
[72] CHEN, SHIH-YI, TW
[72] CHEN, CHIN-CHUAN, TW
[73] POWER TECH STAPLE AND NAIL, INC., US
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[54] **FACE MASK ASSEMBLY**
[54] **ENSEMBLE MASQUE FACIAL**
[72] GERSON, RONALD L., US
[72] LAPOINTE, PIERRE, US
[73] LOUIS M. GERSON CO., INC., US
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[54] **SYSTEME DE DISTRIBUTION AUTOMATISE D'UN ECHANTILLON DE PRODUIT COSMETIQUE**
[72] BARTHOLOMEW, JULIE R., US
[72] OSBORNE, JOHN, US
[72] STEENWYK, ELIZABETH, US
[72] RIDENOUR, JORDAN, US
[72] RABER, IAN, US
[73] COSMETIC TECHNOLOGIES, LLC, US
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[54] **ANNEAU D'ANNULOPLASTIE SERVANT A RECEVOIR UNE VALVULE DE REMPLACEMENT**
[72] MCCARTHY, PATRICK M., US
[73] NORTHWESTERN UNIVERSITY, US
[85] 2017-12-08
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[54] **CABIN DISCHARGE AIR ASSIST WITHOUT A PRIMARY HEAT EXCHANGER**
[54] **COMMANDE PNEUMATIQUE DE DECHARGE DE CABINE SANS ECHANGEUR DE CHALEUR PRINCIPAL**
[72] BRUNO, LOUIS J., US
[72] ARMY JR., DONALD E., US
[72] ZYWIAK, THOMAS M., US
[72] HIPSKY, HAROLD W., US
[72] KLINE, ERIN G., US
[73] HAMILTON SUNDSTRAND CORPORATION, US
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[54] **GOULOTTE A AJUSTAGE**
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[73] SCHENCK PROCESS AUSTRALIA PTY LIMITED, AU
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[54] **MICROSPHERES CONTAINING ANTHELMINTIC MACROCYCLIC LACTONES**
[54] **MICROSPHERES CONTENANT DES LACTONES MACROCYCLIQUES A ACTIVITE ANTHELMINTIQUE**
[72] CORACE, GIUSEPPE, IT
[72] MORBIDELLI, EVA, IT
[72] BERTOCCHI, LAURA, IT
[72] MONTECCHI, LAURETTA, IT
[73] FATRO S.P.A., IT
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[54] **PROCEDES D'UTILISATION D'ACTIVATEURS DE LA PYRUVATE KINASE**
[72] AGRESTA, SAMUEL V., US
[72] CHEN, YUE, US
[72] COHEN, MARVIN BARRY, US
[72] DANG, LEONARD LUAN C., US
[72] KUNG, CHARLES, US
[72] MERICA, ELIZABETH A., US
[72] SILVER, BRUCE ALAN, US
[72] YANG, HUA, US
[73] AGIOS PHARMACEUTICALS, INC., US
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[25] EN
[54] **METHOD AND SYSTEM FOR REDUCING EMISSIONS FROM AN INTERNAL COMBUSTION ENGINE**
[54] **PROCEDE ET SYSTEME DE REDUCTION D'EMISSIONS PROVENANT D'UN MOTEUR A COMBUSTION INTERNE**
[72] MATTHEWS, DEREK, US
[72] WELLS, TIMOTHY L., US
[73] BAE SYSTEMS CONTROLS INC., US
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[54] **ROLLER SYSTEM FOR SORTING PRODUCE**
[54] **SYSTEME A ROULEAUX POUR TRIER UN PRODUIT**
[72] ODMAN, TODD D., US
[72] ODMAN, DELBERT D., US
[73] DJT INVESTMENTS, LLC., US
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[54] **PESTICIDAL COMPOSITIONS COMPRISING A TRIAZOLE COMPOUND**
[54] **COMPOSITIONS PESTICIDES COMPRENANT UN COMPOSE DE TRIAZOLE**
[72] MAZUIR, FLORENT, US
[72] HADEN, EGON, DE
[72] MENGES, FREDERIK, DE
[72] SOERGEL, SEBASTIAN, DE
[72] WILHELM, RONALD, DE
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[54] **SYSTEM AND METHOD FOR IDENTIFICATION OF INDIVIDUAL ANIMALS BASED ON IMAGES OF THE BACK**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION D'ANIMAUX INDIVIDUELS EN SE BASANT SUR DES IMAGES DE L'ARRIERE DE L'ANIMAL**
[72] BORCHERSEN, SOREN, DK
[72] BORGGAARD, CLAUS, DK
[72] HANSEN, NIELS WORSOE, DK
[73] VIKING GENETICS FMBA, DK
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[54] **PEPTIDE PURIFICATION USING MIXED-PHASE SOLID PHASE EXTRACTION MATERIAL**
[54] **PURIFICATION DE PEPTIDE A L'AIDE D'UN MATERIAU D'EXTRACTION EN PHASE SOLIDE A PHASE MIXTE**
[72] KULAK, NILS A., DE
[72] PICHLER, GARWIN, DE
[72] MANN, MATTHIAS, DE
[73] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE
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[54] **METHOD FOR THE PRODUCTION OF 2,4-DIHYDROXYBUTYRIC ACID**
[54] **PROCEDE DE PRODUCTION D'ACIDE 2,4-DIHYDROXYBUTYRIQUE**
[72] STAPLEY, JONATHAN, US
[72] GENDERS, DAVID, US
[73] DYNAMIC FOOD INGREDIENTS CORPORATION, US
[85] 2017-12-13
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[54] **LENS HEATING SYSTEMS AND METHODS FOR AN LED LIGHTING SYSTEM**
[54] **SYSTEMES DE CHAUFFAGE DE LENTILLE ET PROCEDES DE CHAUFFAGE POUR UN SYSTEME D'ECLAIRAGE A DIODES ELECTROLUMINESCENTES**
[72] DEERING, ERIC, US
[73] J. W. SPEAKER CORPORATION, US
[85] 2017-12-14
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[87] (WO2016/205305)
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[54] **FORMULATIONS PHARMACEUTIQUES INJECTABLES DE LEFAMULINE**
[72] FERENCIC, MATHIAS, AT
[72] HEILMAYER, WERNER, AT
[72] HINSMANN, PETER, AT
[72] WICHA, WOLFGANG, AT
[73] NABRIVA THERAPEUTICS GMBH, AT
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[25] EN
[54] **A DRILLING RIG WITH A TOP DRIVE SYSTEM OPERABLE IN A DRILLING MODE AND A TRIPPING MODE**
[54] **APPAREIL DE FORAGE AYANT UN SYSTEME D'ENTRAINEMENT SUPERIEUR POUVANT FONCTIONNER DANS UN MODE DE SONDAGE ET UN MODE DE FORAGE**
[72] DE MUL, ARTHUR ALEXANDER, NL
[72] ROODENBURG, JOOP, NL
[73] ITREC B.V., NL
[85] 2017-12-14
[86] 2016-06-09 (PCT/NL2016/050415)
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[54] **AGENT MOUSSANT DE GYPSE A BASE DE SULFATE D'ALKYLE RAMIFIE**
[72] MIROUS, BRIAN K., US
[73] STEPAN COMPANY, US
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[54] **AGRICULTURAL OPERATION MONITORING APPARATUS, SYSTEMS AND METHODS**
[54] **APPAREILS, SYSTEMES ET PROCEDES DE SURVEILLANCE D'OPERATIONS AGRICOLES**
[72] MORGAN, MATT, US
[72] STRNAD, MIKE, US
[72] KOCH, DALE, US
[72] LEMAN, TRACY, US
[72] WILDERMUTH, PAUL, US
[72] RADTKE, IAN, US
[73] CLIMATE LLC, US
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[30] US (62/175,920) 2015-06-15
[30] US (62/220,576) 2015-09-18
[30] US (62/280,085) 2016-01-18
[30] US (62/279,995) 2016-01-18

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[25] EN
[54] **A SUBSYSTEM FOR A VAPOUR-COMPRESSION SYSTEM, A VAPOUR-COMPRESSION SYSTEM, AND A METHOD FOR A VAPOUR-COMPRESSION SYSTEM**
[54] **SOUS-SYSTEME POUR SYSTEME A COMPRESSION DE VAPEUR, SYSTEME A COMPRESSION DE VAPEUR ET PROCEDE POUR SYSTEME A COMPRESSION DE VAPEUR**
[72] NANKIVELL, IAN DAVID, AU
[73] CRESSTEC RAC IP PTY. LTD., AU
[85] 2017-12-18
[86] 2016-07-18 (PCT/AU2016/000255)
[87] (WO2017/011852)
[30] AU (2015902860) 2015-07-20
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[51] **Int.Cl. F42B 3/13 (2006.01) F42B 3/198 (2006.01) F42C 19/08 (2006.01)**
[25] EN
[54] **INTEGRATED CIRCUIT INITIATOR DEVICE**
[54] **DISPOSITIF INITIATEUR DE CIRCUIT INTEGRE**
[72] SCHOLTES, JOZEF HUBERTUS GERARDUS, NL
[72] PRINSE, WILHELMUS CORNELIS, NL
[72] VAN DER LANS, MARCUS JOHANNES, NL
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
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[30] EP (15174123.8) 2015-06-26

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[25] EN
[54] **VIRTUAL MACHINE INSTANCE MIGRATION USING A TRIANGLE APPROACH**
[54] **MIGRATION D'INSTANCE DE MACHINE VIRTUELLE A L'AIDE D'UNE APPROCHE TRIANGULAIRE**
[72] BROUWER, PIETER KRISTIAN, US
[72] BRENNEMAN, KRISTINA KRAEMER, US
[72] BROOKER, MARC JOHN, US
[72] LIN, JERRY, US
[72] OLSON, MARC STEPHEN, US
[73] AMAZON TECHNOLOGIES, INC., US
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[30] US (14/754,497) 2015-06-29
[30] US (14/754,519) 2015-06-29

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[13] C
[51] **Int.Cl. A61B 17/15 (2006.01) A61B 17/17 (2006.01)**
[25] EN
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[72] KEHRES, CLINTON E., US
[72] JOSEPH, BENJAMIN ISAIAH, US
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[54] **NANOPARTICULES DE SILICIUM POREUSES REVETUES DE LIPOSOMES FUSOGENES**
[72] SAILOR, MICHAEL J., US
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[72] KANG, JINYOUNG, US
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[54] **OBTENTION D'HYDROGENE A PARTIR D'HYDROCARBURES LEGERS AY MOYEN DE L'ABSORPTION A CONTRE-COURANT**
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[54] **CONTENANT POUR DENREES ALIMENTAIRES EMPILEES**
[72] BAER, JOHN HUMBERT, US
[73] KELLOGG COMPANY, US
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[54] **DETECTION DE PIXELS PARASITES DANS UN CAPTEUR D'IMAGE INFRAROUGE**
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[54] **MANCHON POUR BROCHE POUR SUSPENSION DE VEHICULE ET PROCEDE DE MONTAGE CORRESPONDANT**
[72] ZIMMERMAN, RANDY J., US
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[72] KERENDIAN, HORMOZ, US
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[54] **FORMULES AGRICOLES AYANT DES COPOLYMERES CONTENANT DE L'HYDROXYBUTYLVINYLETHER COMME EPAISSISSANT ASSOCIATIF**
[72] BITTNER, CHRISTIAN, DE
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[72] EISSMANN, DIANA, DE
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[54] **SYSTEMES ET PROCEDES DE COMMANDE DE BASCULEMENT ET DE PRESSION AU SOL DE MACHINE**
[72] LEE, MOO YOUNG, US
[72] HREN, WILLIAM J., US
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[54] **SYSTEME ET PROCEDE D'ECLAIRAGE CHIRURGICAL CANALISANT L'ECOULEMENT D'AIR**
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[73] SLD TECHNOLOGY, INC., US
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[73] HALO HANGERS LTD., CA
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[54] **SYSTEME ET PROCEDE A FLUIDES FRIGORIGENES MIXTES**
[72] DUCOTE, DOUGLAS A., JR., US
[72] PODOLSKI, JAMES, US
[73] CHART ENERGY & CHEMICALS, INC., US
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[54] **SUBSTITUTED 4-AZAINDOLES AND THEIR USE AS GLUN2B RECEPTOR MODULATORS**
[54] **4-AZAINDOLES SUBSTITUES ET LEUR UTILISATION COMME MODULATEURS DU RECEPTEUR DE GLUN2B**
[72] CHROVIAN, CHRISTA C., US
[72] LETAVIC, MICHAEL A., US
[72] RECH, JASON C., US
[72] SOYODE-JOHNSON, AKINOLA, US
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[54] **SYSTEME DE DETECTION D'IMPACT**
[72] DA COSTA, ILIDIO GOUVEIA, AU
[72] GODBER, ANTHONY MICHAEL, AU
[72] WALLIS, DAVID, AU
[72] SHURMER, MATTHEW, AU
[72] NICHOLSON, PAUL, AU
[72] TOPHAM, GARETH, AU
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[54] **COMPOSITIONS POUR REDUIRE LES MAUVAISES ODEURS ET LEUR UTILISATION**
[72] HINDEN-KUHLES, NATALIE, US
[72] GUENTERT, MATTHIAS, US
[72] SIEDEL, THOMAS, US
[72] REBECK, ALICE, US
[72] KOROSI, VIKTORIA, US
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[72] HANAN, JAY CLARKE, US
[72] SHABAFROOZ, VAHID, US
[72] BANDLA, SUDHEER, US
[73] NIAGARA BOTTLING, LLC, US
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[54] **PROCEDE ET INSTALLATION CLC AVEC PRODUCTION D'AZOTE DE HAUTE PURETE**
[72] GUILLOU, FLORENT, FR
[72] BERTHOLIN, STEPHANE, FR
[72] YAZDANPANAH, MAHDI, FR
[73] IFP ENERGIES NOUVELLES, FR
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[54] **SYSTEME DE GUIDAGE ET DE SUPPORT D'UN VANTAIL DE PORTE PALIERE DE QUAI**
[72] MAREAUX, SEBASTIEN, FR
[73] FAIVELEY TRANSPORT TOURS, FR
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[54] **CONTAINED LIQUID SYSTEM FOR REFILLING AEROSOL DELIVERY DEVICES**
[54] **SYSTEME DE LIQUIDE CONTENU POUR RECHARGER DES DISPOSITIFS DE DISTRIBUTION D'AEROSOL**
[72] O'BRIEN, JOHN BRICE, US
[72] AMPOLINI, FREDERIC PHILIPPE, US
[72] ROGERS, JAMES WILLIAM, US
[73] RAI STRATEGIC HOLDINGS, INC., US
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[54] **SYSTEME D'ISOLATION DE CONDUCTEUR ELECTRIQUE ET PROCEDE DE FABRICATION**
[72] KRAHN, JOHN RAYMOND, US
[73] GE-HITACHI NUCLEAR ENERGY AMERICAS LLC, US
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[54] **TECHNIQUES DE MANIPULATION D'ETAT D'OSCILLATEUR POUR TRAITEMENT D'INFORMATIONS QUANTIQUES ET SYSTEMES ET PROCEDES ASSOCIES**
[72] HEERES, REINIER, US
[72] REINHOLD, PHILIP, US
[72] ALBERT, VICTOR V., US
[72] JIANG, LIANG, US
[72] FRUNZIO, LUIGI, US
[72] DEVORET, MICHEL, US
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[72] HARWICK, JAMES A. H., US
[73] TRILOGIC PHARMA LLC, US
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[73] PHARMAFILTER B.V., NL
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[54] **DISPOSITIF DE TRANSMISSION COMPRENANT UNE ANTENNE**
[72] PATTERSON, ROBERT G., US
[72] LAMMERS, SHAWN D., US
[73] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
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[54] **METHODS OF SYNTHESIS OF (1R,2R,5R)-5-AMINO-2-METHYLCYCLOHEXANOL HYDROCHLORIDE AND INTERMEDIATES USEFUL THEREIN**
[54] **PROCEDES DE SYNTHESE DE CHLORHYDRATE DE (1R,2R,5R)-5-AMINO-2-METHYLCYCLOHEXANOL ET INTERMEDIAIRES UTILES A CET EFFET**
[72] CONNOLLY, TERRENCE JOSEPH, US
[72] MAN, HON-WAH, US
[72] NAGARAJAN, PERIYANDI, IN
[72] RAJENDIRAN, CHINNAPILLAI, IN
[72] VENKATESWARLU, JASTI, IN
[73] CELGENE CORPORATION, US
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[25] EN
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[54] **BILLES DE POLYMERE A EMPREINTE MOLECULAIRE POUR EXTRACTION DE METAUX ET LEURS UTILISATIONS**
[72] GLUCKMAN, JONATHAN P., US
[72] SOUTHARD, GLEN E., US
[73] 6TH WAVE INNOVATIONS CORP., US
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[25] EN
[54] **LOW CAPACITANCE, SHIELDED, WATERTIGHT DEVICE INTERCONNECT**
[54] **INTERCONNEXION DE DISPOSITIFS ETANCHES A L'EAU, BLINDES, DE FAIBLE CAPACITE**
[72] SILVA, SARAH J., US
[72] PEIRCE, THOMAS J., III, US
[72] HABBOOSH, AMIR W., US
[72] STURGES, JAMES, US
[73] RAYTHEON COMPANY, US
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[25] EN
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[54] **PAPIER HYGIENIQUE A PROPRIETES DE SURFACE AMELIOREES**
[72] BAILEY, WILLIAM ELLIS, US
[72] MOHAMMADI, KHOSROW PARVIZ, US
[72] MANIFOLD, JOHN ALLEN, US
[72] OSTENDORF, WARD WILLIAM, US
[73] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
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[54] **SYSTEME D'AUTHENTIFICATION D'IDENTIFICATION RADIO-FREQUENCE (RFID) POUR DES DISPOSITIFS D'ADMINISTRATION D'AEROSOL**
[72] LAMB, WILSON CHRISTOPHER, US
[72] HENRY, RAYMOND CHARLES, JR., US
[72] ROGERS, TERRENCE E., US
[72] AMPOLINI, FREDERIC PHILIPPE, US
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[54] **PROCEDE DE COMMANDE D'UN CAPTEUR D'IMAGE A PIXELS ACTIFS**
[72] MAYER, FREDERIC, FR
[72] BARBIER, FREDERIC, FR
[72] GESSET, STEPHANE, FR
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[54] **COMPOSITES POLYMERES THERMOPLASTIQUES ET PROCEDES DE PREPARATION, DE COLLECTE ET DE REVENU DE MATERIAUX IMPRIMABLES EN 3D ET ARTICLES FAITS DE CEUX-CI**
[72] POMESTCHENKO, IRINA, US
[72] STOLYAROV, DANIEL, US
[72] POLYAKOVA, ELENA, US
[72] STOLYAROV, IVAN, RU
[73] G6 MATERIALS CORP., US
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[54] **DISPOSITIF D'ANCRAGE ORTHODONTIQUE**
[72] ERSKINE-SMITH, CRAIG MATHEW, AU
[73] ERSKINE PRODUCTS PTY LTD, AU
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[54] **FLOW METER HAVING ELECTRONIC MOUNT BRACKET ASSEMBLY**
[54] **DEBITMETRE A ENSEMBLE SUPPORT DE MONTAGE ELECTRONIQUE**
[72] GREWAL, RANDEEP SINGH, US
[72] GROESCHEL, KERRY DWAYNE, US
[72] BOHR, NICK, US
[72] ENCISO, JORGE, US
[73] MICRO MOTION, INC., US
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[54] **LENTILLE INTRAOCULAIRE TRIFOCALE A PORTEE DE VISION ETENDUE ET CORRECTION DE L'ABERRATION CHROMATIQUE LONGITUDINALE**
[72] PAGNOULLE, CHRISTOPHE ROBERT MARIE ARMAND, BE
[72] REDZOVIC, SUAD, BE
[72] VOISIN, LAURE, FR
[72] GATINEL, DAMIEN, FR
[72] LOICQ, JEROME JEAN D., BE
[73] PHYSIOL SA, BE
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[54] **TRANSDERMAL FORMULATIONS FOR DELIVERY OF CAPSAICINOIDS**
[54] **PREPARATIONS TRANSDERMIQUES POUR ADMINISTRATION DE CAPSAICINOIDES**
[72] GABRIELE, JOSEPH, CA
[72] TERIS, MIKAELA, CA
[72] BARANOWSKI, DAVID, CA
[72] BUCHANAN, BETH, CA
[73] DELIVRA INC., CA
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[54] **SUBSTITUTED BENZIMIDAZOLES, THEIR PREPARATION AND THEIR USE AS PHARMACEUTICALS**
[54] **BENZIMIDAZOLES SUBSTITUES, PREPARATION ET UTILISATION DE CEUX-CI EN TANT QU'AGENTS PHARMACEUTIQUES**
[72] POURASHRAF, MEHRNAZ, CA
[72] JACQUEMOT, GUILLAUME, CA
[72] CLARIDGE, STEPHEN, CA
[72] BAYRAKDARIAN, MALKEN, CA
[72] JOHNSTONE, SHAWN, CA
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[54] **PARTIAL COATING OF FROZEN CONFECTION**
[54] **ENROBAGE PARTIEL DE CONFISERIE CONGELEE**
[72] AMEND, THOMAS ALOISIUS VALENTINUS, US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **ACTIONNEUR ET DISPOSITIF DE SOINS DE BEAUTE ELECTRIQUE**
[72] TAKAHASHI, YUKI, US
[72] KAMIJO, MASAMI, US
[72] SAKAGUCHI, KAZUTAKA, US
[72] KITAMURA, YASUTAKA, US
[72] KAGAMI, MASAHARU, US
[72] INAMOTO, SHIGENORI, US
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[54] **OPTODES A FIBRES DE CARBONE POUR OPTOGENETIQUE COMPATIBLE AVEC L'IMAGERIE PAR RESONANCE MAGNETIQUE**
[72] LEE, JIN HYUNG, US
[72] DUFFY, BEN A., US
[73] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[54] **CUVE-PALETTE**
[72] WEYRAUCH, DETLEV, DE
[73] MAUSER-WERKE GMBH, DE
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[54] **PNEU DE VEHICULE SANS CHAMBRE**
[72] BERGER, CHRISTOPH, DE
[72] SCHLITTENHARD, JAN, DE
[73] CONTINENTAL REIFEN DEUTSCHLAND GMBH, DE
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[54] **APPAREIL POUR APPLIQUER DES FEUILLETS A DES RECIPIENTS**
[72] SCHINELLI, NICOLA, IT
[73] P.E. LABELLERS S.P.A., IT
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[54] **METHOD OF MAKING CARBON BLACK**
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[72] HARDMAN, NED J., US
[72] TAYLOR, ROSCOE W., US
[73] MONOLITH MATERIALS, INC., US
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[54] **VOLUME MEASUREMENT APPARATUS**
[54] **APPAREIL DE MESURE DE VOLUME**
[72] GILLETT, NICHOLAS ROSS, AU
[73] SHUTTLE GAUGE IP PTY LTD, AU
[85] 2018-02-09
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[54] **SYSTEMS AND METHODS FOR APPLYING REDUCED PRESSURE THERAPY**
[54] **SYSTEMES ET PROCEDES POUR LA MISE EN OEUVRE D'UNE THERAPIE PAR PRESSION REDUITE**
[72] ADAMS, ERIC EDWARD, US
[72] BENDELE, KEVIN, US
[72] HUSZ, AARON MICHAEL, US
[72] LEE, DAVID EDWARD, US
[72] RUSH, LEE MICHAEL, US
[72] UPTON, DAVID RONALD, US
[72] WARD, WILLIAM JACOB, US
[72] QUINTANAR, FELIX C., US
[73] SMITH & NEPHEW, INC., US
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[54] **MODULATION ORDER ADAPTATION FOR PARTIAL SUBFRAMES**
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[72] EINHAUS, MICHAEL, DE
[72] OHLHORST, JAN, DE
[72] GOLITSCHEK EDLER VON ELBWART, ALEXANDER, DE
[72] BASU MALLICK, PRATEEK, DE
[72] LOEHR, JOACHIM, DE
[73] SUN PATENT TRUST, US
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[54] **HYBRID SILK SCREEN AND DIRECT-TO-GARMENT PRINTING MACHINE AND PROCESS**
[54] **MACHINE ET PROCESSUS HYBRIDES D'IMPRESSION DIRECTE SUR LE VETEMENT ET DE SERIGRAPHIE**
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[72] BAXTER, GEOFF, US
[73] M&R PRINTING EQUIPMENT, INC., US
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[54] **COMPOSITIONS DE MICROPARTICULES COMPRENANT DU SAFLUFENACIL**
[72] NOLLER, BASTIAN MARTEN, DE
[72] FUCHS, YANNICK, DE
[72] SIMON, ANJA, DE
[72] SOWA, CHRISTIAN, DE
[73] BASF AGRO B.V., NL
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[54] **HOLLOW-CORE FIBRE AND METHOD OF MANUFACTURING THEREOF**
[54] **FIBRE A COEUR CREUX ET PROCEDE DE FABRICATION**
[72] RUSSELL, PHILIP, DE
[72] UEBEL, PATRICK, DE
[72] FROSZ, MICHAEL HENOCH, DE
[73] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE
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[54] **AZOLE DERIVATIVES AS LUBRICATING ADDITIVES**
[54] **DERIVES AZOLE UTILISES EN TANT QU'ADDITIFS AUX MATIERES LUBRIFIANTES**
[72] NGUYEN, NGA H., US
[72] MIATT, PETER, GB
[73] THE LUBRIZOL CORPORATION, US
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[54] **PALETTE EN CARTON ONDULE**
[72] BERKES, MIHALY, HU
[73] BERKES, MIHALY, HU
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[54] **GUANIDINE SUBSTITUTED IMIDAZO[4,5-C] RING COMPOUNDS**
[54] **COMPOSES IMIDAZO[4,5-C] CYCLIQUES SUBSTITUES PAR GUANIDINE**
[72] GRIESGRABER, GEORGE W., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
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[86] 2016-08-26 (PCT/US2016/048830)
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[54] **AFFICHEUR A MARQUEUR LASER DYNAMIQUE POUR DISPOSITIF POINTABLE**
[72] EHRLICH, AVSHALOM, IL
[73] SMART SHOOTER LTD., IL
[85] 2018-02-22
[86] 2016-07-20 (PCT/IL2016/050786)
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[25] EN
[54] **IMPROVED PROCESS FOR PRODUCING FUCOXANTHIN AND/OR POLYSACCHARIDES FROM MICROALGAE**
[54] **PROCEDE AMELIORE POUR FABRIQUER DE LA FUCOXANTHINE ET/OU DES POLYSACCHARIDES A PARTIR DE MICROALGUES**
[72] AYALON, ORAN, IL
[73] ALGAHEALTH (AH) LTD., IL
[85] 2018-02-22
[86] 2016-08-23 (PCT/IL2016/050917)
[87] (WO2017/037692)
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[54] **EMBALLAGE ALVEOLAIRE**
[72] STANGE, OLAF, DE
[72] HOHL, JOHANNES-WALTER, DE
[72] DIEDERICH, REINER, DE
[72] DRODER, KLAUS, DE
[72] HERRMANN, CHRISTOPH, DE
[72] DIETRICH, FRANZ, DE
[72] BLUMENTHAL, PHILIPP, DE
[72] STUHM, KAI, DE
[72] BOBKA, PAUL, DE
[72] SCHMIDT, CHRISTOPHER, DE
[72] THIEDE, SEBASTIAN, DE
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
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[54] **VEHICULE COMPORTANT DES SYSTEMES DE CONTROLE DE BAC DE RANGEMENT ELECTRONIQUE**
[72] SIMMS, RICHARD K., US
[72] DAME, STEPHEN G., US
[72] CLOUD, MARK L., US
[72] SMITH, TODD D., US
[73] THE BOEING COMPANY, US
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[25] EN
[54] **FLEXIBLE CROSSLINKED CABLE INSULATION AND METHODS FOR MAKING FLEXIBLE CROSSLINKED CABLE INSULATION**
[54] **ISOLATION DE CABLE RETICULE SOUPLE ET PROCEDES DE FABRICATION D'ISOLATION DE CABLE RETICULE SOUPLE**
[72] CHAUDHARY, BHARAT I., US
[72] TUBERQUIA, JUAN C., US
[72] WICKHAM, RENNISHA, US
[72] FONTAINE, PHILIP P., US
[72] LI PI SHAN, COLIN, US
[72] HUGHES, MORGAN M., US
[72] BAZEN, JAN, NL
[72] MADENJIAN, EDWARD O., US
[72] BRENNAN, GREGORY J., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
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[25] EN
[54] **SYSTEMS AND METHODS FOR CHARGING A BATTERY**
[54] **SYSTEMES ET PROCEDES DE CHARGE D'UNE BATTERIE**
[72] SPORCK, CHRISTIAN, US
[72] ARIKATLA, VARAPRASAD, US
[72] HAWAWINI, SHADI, US
[72] HAWLEY, STEVE, US
[72] O'BRIEN, THOMAS, US
[72] KUMAR, SEEMA, US
[72] MELGAR, AARON, US
[73] QUALCOMM INCORPORATED, US
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[54] **BI-HETEROARYL SUBSTITUTED 1,4-BENZODIAZEPINES AND USES THEREOF FOR THE TREATMENT OF CANCER**
[54] **BI-HETEROARYLE 1,4-BENZODIAZEPINES SUBSTITUEES ET LEURS UTILISATIONS POUR LE TRAITEMENT DU CANCER**
[72] ANGIBAUD, PATRICK RENE, FR
[72] BROGGINI, DIEGO FERNANDO DOMENICO, CH
[72] CUYCKENS, FILIP ALBERT C, BE
[72] HOSTYN, STEVEN ANNA, BE
[72] JONES, RUSSELL MARK, CH
[72] QUEROLLE, OLIVIER ALEXIS GEORGES, FR
[72] VERMEULEN, WIM, BE
[73] JANSSEN PHARMACEUTICA NV, BE
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[25] EN
[54] **SUPPORTING BEAM FOR CEILING SYSTEMS, CEILING SYSTEM AND METHOD FOR THE PRODUCTION THEREOF**
[54] **POUTRE MAITRESSE POUR STRUCTURES DE PLANCHER, STRUCTURE DE PLANCHER ET PROCEDE DE FABRICATION**
[72] JANCZURA, KRZYSZTOF, PL
[72] DERYSZ, JERZY, PL
[73] PFEIFER HOLDING GMBH & CO. KG, DE
[85] 2018-02-28
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[25] EN
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[54] **STATION D'ACCUEIL D'ORDINATEUR**
[72] VOLEK, ROBERT, US
[72] BENDER, STEVE, US
[73] HUMANSCALE CORPORATION, US
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[54] **CHARIOT DE GOLF ROBOTISE**
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[72] DOANE, RICK M., US
[72] DOANE, TIMOTHY L., US
[72] DOANE, SHEA P., US
[72] NICOLA, ROBERT T., US
[72] BURNS, KENNETH M., US
[73] LEMMINGS LLC, US
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[54] **UPGRADED EBULLATED BED REACTOR WITH LESS FOULING SEDIMENT**
[54] **REACTEUR A LIT BOUILLONNANT AMELIORE PRESENTANT UNE MOINDRE QUANTITE DE SEDIMENTS ENCRASSES**
[72] MOUTAINLAND, DAVID M., US
[72] SILVERMAN, BRETT M., US
[72] RUETER, MICHAEL A., US
[72] SMITH, LEE, US
[73] HYDROCARBON TECHNOLOGY & INNOVATION, LLC, US
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[54] **CHROMIUM FREE AND LOW-CHROMIUM WEAR RESISTANT ALLOYS**
[54] **ALLIAGES RESISTANT A L'USURE SANS CHROME ET A FAIBLE TENEUR EN CHROME**
[72] EIBL, CAMERON, US
[73] SCOPERTA, INC., US
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[54] **FLUID INTERCONNECTION SCHEME BETWEEN RESERVOIR, PUMP AND FILLING MEMBER**
[54] **SCHEMA DE RACCORDEMENT FLUIDIQUE ENTRE RESERVOIR, POMPE ET ELEMENT DE REMPLISSAGE**
[72] PIZZOCHERO, ALESSANDRO, US
[72] GYORY, J. RICHARD, US
[72] ISKANDAR, JOSEPH, US
[72] HWANG, CHARLES, US
[73] BECTON, DICKINSON AND COMPANY, US
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[54] **GENERATION D'ANTICORPS MONOCLONAUX ENTIERS**
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[73] BIOATLA, LLC, US
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[54] **METHOD FOR SECURE CONNECTION FROM A CLIENT COMPUTER DEVICE TO A COMPUTER RESOURCE**
[54] **PROCEDE DE CONNEXION SECURISE, DEPUIS UN EQUIPEMENT INFORMATIQUE CLIENT, A UNE RESSOURCE INFORMATIQUE**
[72] ADDA, SERGE, FR
[72] ZHOU, RAPHAEL, FR
[73] WALLIX, FR
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[54] **STEAM-SMOOTHING APPARATUS INCLUDING A BASE CONNECTED TO A SMOOTHING HEAD VIA A PIPE**
[54] **APPAREIL DE DEFROISSAGE A LA VAPEUR COMPRENANT UNE BASE RELIEE A UNE TETE DE DEFROISSAGE PAR UN CONDUIT**
[72] JAVIT, MAXIME, FR
[72] SYLOR, FANG, CN
[72] WADE, LI, CN
[73] SEB S.A., FR
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[54] **METHOD FOR THE DIAGNOSIS OF AIRWAY DISEASE INFLAMMATORY SUBTYPE**
[54] **METHODE POUR LE DIAGNOSTIC DE SOUS-TYPE INFLAMMATOIRE DE MALADIE DES VOIES RESPIRATOIRES**
[72] SCHLEICH, FLORENCE, BE
[72] LOUIS, RENAUD, BE
[72] BESSONOV, KYRYLO, BE
[72] VAN STEEN, KRISTEL, BE
[72] VAN SCHOOTEN, FREDERIK-JAN, NL
[72] DALLINGA, JAN, NL
[73] CENTRE HOSPITALIER UNIVERSITAIRE DE LIEGE, BE
[73] UNIVERSITE DE LIEGE, BE
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[25] EN
[54] **COMPOUND HAVING EFFECT OF INHIBITING PLATELET AGGREGATION AND SALT THEREOF, AND COMPOSITION FOR PREVENTING OR TREATING THROMBOTIC DISEASES, CONTAINING SAME**
[54] **COMPOSE AYANT POUR EFFET D'INHIBER L'AGREGATION PLAQUETTAIRE, SEL DE CELUI-CI, ET COMPOSITION DESTINEE A PREVENIR OU A TRAITER LES MALADIES THROMBOTIQUES LE CONTENANT**
[72] RYU, JEI MAN, KR
[72] LEE, DONG WON, KR
[72] LEE, KANG HYEOK, KR
[72] PARK, JIN HUN, KR
[72] CHO, GEUM SIL, KR
[72] LEE, KI SUNG, KR
[72] CHUNG, JIN HO, KR
[72] PARK, WOO ILE, KR
[72] LEE, JAE YOUNG, KR
[73] SHIN POONG PHARMACEUTICAL CO., LTD., KR
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[54] **SIMULATION METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE SIMULATION**
[72] VESTOL ENDRERUD, OLE ERIK, NO
[73] SHORELINE AS, NO
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[54] **INSECTICIDE/MITICIDE COMPOSITION BASED ON FATTY ACID SALTS**
[54] **COMPOSITION INSECTICIDE/ACARICIDE A BASE DE SELS D'ACIDE GRAS**
[72] JONES, OWEN THOMAS, GB
[72] LONG, MARK, GB
[73] NATURIOL BANGOR LIMITED, GB
[85] 2018-03-07
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[54] **WORK PLATFORM AND METHOD**
[54] **PLATEFORME DE TRAVAIL ET METHODE**
[72] WOODWARD, STEVEN, US
[72] PARKER, THOMAS, US
[73] WERNER CO., US
[86] (2998072)
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[25] EN
[54] **DEVICES AND METHODS FOR ANCHORING A SHEATH IN A TISSUE CAVITY**
[54] **DISPOSITIFS ET PROCEDES D'ANCRAGE DE GAINE DANS UNE CAVITE TISSULAIRE**
[72] FONG, KENTON D., US
[72] LEE, JAN, US
[72] ETTER, JEFFREY W., US
[73] SAVAGE MEDICAL, INC., US
[85] 2018-03-08
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[54] **DRONE AIRCRAFT LANDING AND DOCKING SYSTEMS**
[54] **SYSTEMES D'ATTERRISSAGE ET D'ACCUEIL D'AERONEF DE TYPE DRONE**
[72] MOZER, REESE ALEXANDER, US
[73] MOZER, REESE ALEXANDER, US
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[25] EN
[54] **THERMOSENSITIVE HYDROGEL COLLAGENASE FORMULATIONS**
[54] **FORMULATIONS D'HYDROGEL THERMOSENSIBLES A BASE DE COLLAGENASE**
[72] YU, BO, US
[72] WEGMAN, THOMAS L., US
[73] BIOSPECIFICS TECHNOLOGIES CORP., US
[85] 2018-03-13
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[54] **SAFETY NETWORKING PROTOCOL AND METHOD**
[54] **PROTOCOLE ET PROCEDE DE MISE EN RESEAU SECURISEE**
[72] FISHER, PATRICK DAVID, US
[72] NORTHCOTT, BENJAMIN RYAN, US
[72] DUBLANKO, CURTIS MICHAEL, US
[73] PROFIRE ENERGY, INC., US
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[54] **LUNETTES ELECTROCHROMIQUES**
[72] CHANDRASEKHAR, PRASANNA, US
[72] ZAY, BRIAN J., US
[72] LAGANIS, EDWARD J., US
[72] ROMANOV, VASILY V., US
[72] LAROSA, ANTHONY J., US
[73] ASHWIN-USHAS CORPORATION, INC., US
[85] 2018-03-14
[86] 2016-08-26 (PCT/US2016/049009)
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[25] EN
[54] **METHOD FOR PRODUCING ACRYLIC RESIN-COATED SILICA PARTICLE DISPERSION**
[54] **METHODE DE PRODUCTION DE DISPERSION DE PARTICULES DE SILICE REVETUES DE RESINE ACRYLIQUE**
[72] WATANABE, KAZUYA, JP
[72] NAGAI, AKINORI, JP
[73] KANSAI PAINT CO., LTD., JP
[85] 2018-03-15
[86] 2016-09-08 (PCT/JP2016/076504)
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[54] **WALKER ASSEMBLY**
[54] **ENSEMBLE DE DEAMBULATEUR**
[72] RICHTER, COREY L., CA
[73] RICHTER, COREY L., CA
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[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR MONITORING SOIL CRITERIA DURING TILLAGE OPERATIONS AND CONTROL OF TILLAGE TOOLS**
[54] **APPAREIL, SYSTEME ET PROCEDE PERMETTANT DE SURVEILLER DES CRITERES RELATIFS AU SOL PENDANT DES OPERATIONS DE TRAVAIL DU SOL, ET COMMANDE D'OUTILS DE TRAVAIL DU SOL**
[72] STOLLER, JASON, US
[72] MCMENAMY, JUSTIN, US
[72] MORGAN, MATTHEW, US
[72] KOCH, DALE, US
[73] PRECISION PLANTING LLC, US
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[54] **WETTING AND ANTI-FOAMING AGENT**
[54] **AGENT MOUILLANT ET ANTIMOUSSANT**
[72] VAN VLIET, BART, NL
[72] HECK, JAMES A., US
[72] MANGNUS, EDUARDUS MARIA, NL
[72] JEURKAR, CHITRA, US
[72] DE VRIES, JELLE, NL
[72] MULDER, ALART, NL
[73] ELEMENTIS SPECIALTIES, INC., US
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[25] EN
[54] **ELECTRONIC VISION SYSTEM AND USE THEREOF**
[54] **SYSTEME DE VISION ELECTRONIQUE ET SON UTILISATION**
[72] BEAUMONT, CLEMENT, CA
[73] DECTRONIQUE (1984) INC., CA
[85] 2018-03-22
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[25] EN
[54] **THREAD-FORMING SCREW WITH SEPARATE THREAD SPIRAL AND DIFFERENT PART FLANK ANGLES**
[54] **VIS AUTOTARAUDEUSE COMPORTANT UNE SPIRALE A FILET SEPAREE ET DES ANGLES DE FLANCS PARTIELS DIFFERENTS**
[72] HAKENHOLT, CHRISTOPH, AT
[72] WINKLER, BERNHARD, AT
[72] SCHNEIDER, ROLAND, AT
[72] SPRING, ROBERT, CH
[72] NGUYEN, HUU TOAN, CH
[73] HILTI AKTIENGESELLSCHAFT, LI
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[25] EN
[54] **APPARATUS AND METHOD FOR ELECTRON IRRADIATION SCRUBBING**
[54] **APPAREIL ET PROCEDE POUR L'EPURATION PAR IRRADIATION D'ELECTRONS**
[72] MICHAN, JUAN MARIO, GB
[73] DAPHNE TECHNOLOGY SA, CH
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[25] EN
[54] **FLOW SYSTEM AND METHODS FOR DIGITAL COUNTING**
[54] **SYSTEME D'ECOULEMENT ET PROCEDES DE COMPTAGE NUMERIQUE**
[72] KUNDING, ANDREAS HJARNE, DK
[73] SELMA DIAGNOSTICS APS, DK
[85] 2018-03-23
[86] 2016-10-07 (PCT/EP2016/074045)
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[30] US (62/238,171) 2015-10-07
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[54] **CONNEXION SANS FIL DE TETE DE RECOLTE**
[72] MOYER, TERRY S., US
[72] REED, DANIEL, US
[73] CNH INDUSTRIAL AMERICA LLC, US
[85] 2018-03-26
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[54] **SIEGE DE TOILETTE AUTOMATIQUEMENT RELEVABLE**
[72] KISLIN, ALEX ALBERT, US
[73] KISLIN, ALEX ALBERT, US
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[54] **DEVICE AND METHOD FOR PRINTING LABELS BY THERMAL PRINTING**
[54] **DISPOSITIF ET PROCEDE D'IMPRESSION D'ETIQUETTES PAR IMPRESSION THERMIQUE**
[72] VICKTORIUS, WINFRIED, DE
[72] KORTHAUER, MARCUS, DE
[72] WOLFF, PETER, DE
[73] ESPERA-WERKE GMBH, DE
[85] 2018-03-28
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[25] EN
[54] **EYE MODEL**
[54] **MODELE OCULAIRE**
[72] ABRAHAM, MARIO, DE
[72] RIEDEL, PETER, DE
[73] ALCON INC., US
[85] 2018-03-29
[86] 2016-08-10 (PCT/IB2016/054828)
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[54] **USE OF CDK9 AND BRD4 INHIBITORS TO INHIBIT INFLAMMATION**
[54] **UTILISATION D'INHIBITEURS DE CDK9 ET D'INHIBITEURS DE BRD4 POUR INHIBER UNE INFLAMMATION**
[72] HAUDENSCHILD, DOMINIK, US
[72] YIK, JASPER, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2018-03-29
[86] 2015-10-13 (PCT/US2015/055394)
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[51] **Int.Cl. B65H 75/34 (2006.01) B67D 7/40 (2010.01) B65H 75/40 (2006.01) E03C 1/04 (2006.01)**
[25] EN
[54] **PULL-OUT FAUCET HOSE RETRACTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RETRACTION DE TUYAU DE ROBINET EXTRACTIBLE**
[72] PITSCH, WALTER, US
[72] LI, HSIAO CHANG, US
[73] AS AMERICA, INC., US
[85] 2018-03-29
[86] 2016-09-20 (PCT/US2016/052599)
[87] (WO2017/058566)
[30] US (62/235,743) 2015-10-01

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[13] C
[51] **Int.Cl. C04B 40/06 (2006.01) C04B 28/06 (2006.01)**
[25] EN
[54] **STABILIZED AQUEOUS COMPOSITION FOR INITIATING SETTING AND HARDENING OF ALUMINOUS CEMENT COMPOSITIONS**
[54] **SUSPENSION AQUEUSE STABILISEE POUR DECLENCHER LA PRISE ET LE DURCISSEMENT DE COMPOSITIONS DE CIMENTS ALUMINEUX**
[72] PFEIL, ARMIN, DE
[72] BEROLL, PASCAL, DE
[73] HILTI AKTIENGESELLSCHAFT, LI
[85] 2018-04-03
[86] 2016-10-19 (PCT/EP2016/075027)
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[11] **3,000,879**
[13] C
[51] **Int.Cl. H02H 3/38 (2006.01) H02H 3/40 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO DIRECT CURRENT DISTANCE PROTECTION CONTROLLERS**
[54] **PERFECTIONNEMENTS APPORTES OU ASSOCIES A DES DISPOSITIF DE COMMANDE DE PROTECTION DE DISTANCE POUR COURANT CONTINU**
[72] SRI GOPALA KRISHNA MURTHI, SANKARA, GB
[72] HA, HENGXU, GB
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2018-04-04
[86] 2016-09-29 (PCT/EP2016/073305)
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[30] EP (15275208.5) 2015-10-06

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[51] **Int.Cl. C08L 9/00 (2006.01) B60C 1/00 (2006.01) C08L 21/00 (2006.01)**
[25] EN
[54] **RUBBER COMPOSITION INCLUDING A SPECIFIC HYDROCARBON RESIN**
[54] **COMPOSITION DE CAOUTCHOUC COMPRENANT UNE RESINE HYDROCARBONEE SPECIFIQUE**
[72] DE GAUDEMARIS, BENOIT, FR
[72] HUT, ALAIN, FR
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2018-04-06
[86] 2016-10-14 (PCT/EP2016/074669)
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[30] FR (1559874) 2015-10-16

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[51] **Int.Cl. C07C 5/48 (2006.01) C07C 7/04 (2006.01) C07C 7/11 (2006.01) C07C 9/06 (2006.01) C07C 11/04 (2006.01) C07C 51/215 (2006.01) C07C 51/48 (2006.01) C07C 53/08 (2006.01)**
[25] EN
[54] **ETHANE OXIDATIVE DEHYDROGENATION AND ACETIC ACID RECOVERY**
[54] **DESHYDROGENATION OXYDATIVE DE L'ETHANE ET RECUPERATION D'ACIDE ACETIQUE**
[72] MITKIDIS, GEORGIOS, NL
[72] SAN ROMAN MACIA, MARIA, NL
[72] ROSSUM VAN, GUUS, NL
[72] SCHOONEBEEK, RONALD JAN, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-04-09
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[13] C
[51] **Int.Cl. B01D 53/26 (2006.01) B01D 53/28 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **COMPOSITION AND PROCESS FOR GAS DEHYDRATION**
[54] **COMPOSITION ET PROCEDE DE DESHYDRATATION DE GAZ**
[72] LAROCHE, CHRISTOPHE R., US
[72] HASSANZADEH, ARMIN, US
[72] KLINKER, ERIC J., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2018-04-06
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[51] **Int.Cl. B65C 9/18 (2006.01)**
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[54] **APPARATUS AND METHOD FOR LABELING INDIVIDUAL PACKAGES**
[54] **PROCEDE ET DISPOSITIF D'ETIQUETAGE D'EMBALLAGES INDIVIDUELS**
[72] VICKTORIUS, WINFRIED, DE
[72] JUNG, ULRICH, DE
[73] ESPERA-WERKE GMBH, DE
[85] 2018-04-10
[86] 2016-06-27 (PCT/EP2016/064774)
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[25] EN
[54] **COATED BATTERY SEPARATOR**
[54] **SEPARATEUR DE BATTERIE REVETU**
[72] BISO, MAURIZIO, IT
[72] MOLENA, ELENA, IT
[72] COLOMBO, ROBERTA, IT
[73] SOLVAY SPECIALTY POLYMERS ITALY S.P.A., IT
[85] 2018-04-10
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[25] EN
[54] **METHODS OF ACIDIZING SUBTERRANEAN FORMATIONS**
[54] **METHODES D'ACIDIFICATION DE FORMATIONS SOUTERRAINES**
[72] LIM, SUEANN, SG
[72] NDONG, ROSE, US
[72] SHEN, LINGJUAN, US
[72] RABIE, AHMED, US
[72] DAHANAYAKE, MANILAL S., US
[73] ENERGY SOLUTIONS (US) LLC, US
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[86] 2016-10-14 (PCT/US2016/057063)
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[13] C
[51] **Int.Cl. G02C 7/02 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A THREE DIMENSIONAL PERFORMANCE OF AN OPHTHALMIC LENS; ASSOCIATED METHOD OF CALCULATING AN OPHTHALMIC LENS.**
[54] **METHODE DE DETERMINATION D'UN RENDEMENT TRIDIMENSIONNEL D'UN VERRE OPHTALMIQUE ET METHODE CONNEXE DE CALCUL D'UN VERRE OPHTALMIQUE.**
[72] HESLOUIS, MELANIE, FR
[72] FRICKER, SEBASTIEN, FR
[72] GUILLOUX, CYRIL, FR
[72] ROUSSEAU, BENJAMIN, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2018-04-12
[86] 2016-10-11 (PCT/EP2016/074349)
[87] (WO2017/064065)
[30] EP (15306647.7) 2015-10-15
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[30] EP (15306646.9) 2015-10-15
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[25] EN
[54] **LARGE ANGLE FLEXIBLE PIVOT**
[54] **PIVOT FLEXIBLE A GRAND ANGLE**
[72] BLECHA, LUC, CH
[72] HUMPHRIES, MARTIN, GB
[72] PUYOL, YOEL, CH
[73] ALMATECH SA, CH
[85] 2018-04-12
[86] 2016-11-03 (PCT/IB2016/056604)
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[25] EN
[54] **ROBOTIC SURGICAL ASSEMBLY**
[54] **ENSEMBLE CHIRURGICAL ROBOTIQUE**
[72] SIMI, MASSIMILIANO, IT
[72] PRISCO, GIUSEPPE MARIA, IT
[73] MEDICAL MICROINSTRUMENTS, INC., US
[85] 2018-04-13
[86] 2016-10-14 (PCT/EP2016/074805)
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[13] C
[51] **Int.Cl. G01B 11/24 (2006.01) G01B 11/245 (2006.01)**
[25] EN
[54] **DEVICE FOR THE CONTACTLESS THREE-DIMENSIONAL INSPECTION OF A TOOTHED MECHANICAL COMPONENT**
[54] **DISPOSITIF POUR L'INSPECTION TRIDIMENSIONNELLE SANS CONTACT D'UNE COMPOSANTE MECANIQUE DENTELEE**
[72] LE NEEL, DIDIER, FR
[73] DWFRITZ AUTOMATION, LLC, US
[85] 2018-04-13
[86] 2016-11-02 (PCT/EP2016/076337)
[87] (WO2017/076854)
[30] FR (1560485) 2015-11-02

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[13] C
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[25] EN
[54] **THERAPEUTIC AGENT FOR BREAST CANCER**
[54] **AGENT THERAPEUTIQUE DESTINE AU CANCER DU SEIN**
[72] MIYANO, SAORI, JP
[72] YAMAMOTO, YUJI, JP
[72] NAKAGAWA, TAKAYUKI, JP
[73] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2018-04-13
[86] 2016-12-15 (PCT/JP2016/087349)
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[25] EN
[54] **DURABLE DENTAL FILM-FORMING COMPOSITION AND USES THEREOF**
[54] **COMPOSITION FILMOGENE DENTAIRE DURABLE ET SES UTILISATIONS**
[72] DONG, RONG, US
[72] XU, GUOFENG, US
[72] YUAN, SHAOTANG, US
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2018-04-16
[86] 2016-11-04 (PCT/US2016/060692)
[87] (WO2017/079668)
[30] US (62/251,294) 2015-11-05

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[25] EN
[54] **NOVEL FERROPORTIN INHIBITORS**
[54] **NOUVEAUX INHIBITEURS DE LA FERROPORTINE**
[72] DURRENBERGER, FRANZ, CH
[72] BURGERT, MICHAEL, DE
[72] BURCKHARDT, SUSANNA, CH
[72] BUHR, WILM, DE
[72] KALOGERAKIS, ARIS, CH
[72] REIM, STEFAN, CH
[72] MANOLOVA, VANIA, CH
[72] BOYCE, SUSAN, DE
[72] YARNOLD, CHRISTOPHER JOHN, GB
[72] PENA, PAULA, GB
[72] SHEPHERD, JON, GB
[72] LECCI, CRISTINA, GB
[72] JARJES-PIKE, RICHARD, GB
[72] SCOTT, JOHN, GB
[73] VIFOR (INTERNATIONAL) AG, CH
[85] 2018-04-18
[86] 2016-10-21 (PCT/EP2016/075306)
[87] (WO2017/068090)
[30] EP (15191176.5) 2015-10-23
[30] EP (15191179.9) 2015-10-23

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[13] C
[51] **Int.Cl. B64G 1/22 (2006.01)**
[25] FR
[54] **DEVICE FOR LOCKING TWO PARTS RELATIVE TO EACH OTHER**
[54] **DISPOSITIF DE VERROUILLAGE DE DEUX PIECES L'UNE PAR RAPPORT A L'AUTRE**
[72] GROSROYAT, SYLVAIN, FR
[73] ARIANEGROUP SAS, FR
[85] 2018-04-19
[86] 2016-10-05 (PCT/FR2016/000156)
[87] (WO2017/068246)
[30] FR (1502230) 2015-10-21

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[13] C
[51] **Int.Cl. A61F 13/02 (2006.01)**
[25] EN
[54] **MEDICAL DRESSING**
[54] **PANSEMENT MEDICAL**
[72] GUSTIN BERGSTROM, MARIA, SE
[72] OSTLUND, LINDA, SE
[72] JACOBSSON, LENA, SE
[72] WATHNE, CHRISTIAN, SE
[73] MOLNLYCKE HEALTH CARE AB, SE
[85] 2018-04-23
[86] 2016-11-08 (PCT/EP2016/076988)
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[30] EP (15194495.6) 2015-11-13

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[25] EN
[54] **CATALYST SYSTEM AND PROCESS FOR THE PRODUCTION OF GLYCOLS**
[54] **SYSTEME DE CATALYSEUR ET PROCEDE POUR LA PRODUCTION DE GLYCOLS**
[72] VAN DER HEIDE, EVERT, NL
[72] EDULJI, SMITA, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-04-23
[86] 2016-11-17 (PCT/EP2016/078071)
[87] (WO2017/085222)
[30] EP (15195494.8) 2015-11-19

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[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **SALT TYPE AND CRYSTAL TYPE OF 4H-PYRAZOLO[1, 5-ALPHA]BENZIMIDAZOLE COMPOUND AND PREPARATION METHOD AND INTERMEDIATE THEREOF**
[54] **TYPE DE SEL ET TYPE DE CRISTAL DE COMPOSE DE 4H-PYRAZOLO[1, 5-ALPHA]BENZIMIDAZOLE ET METHODE DE PREPARATION ET INTERMEDIAIRE ASSOCIE**
[72] WANG, XUEHAI, CN
[72] DING, CHARLES Z., CN
[72] SHEN, JIE, CN
[72] CHEN, SHUHUI, CN
[72] LI, LIE, CN
[72] LI, GANG, CN
[72] XU, YONG, CN
[72] WANG, CAILIN, CN
[72] TU, RONGHUA, CN
[72] WANG, JIMENG, CN
[72] YUE, YANG, CN
[72] DENG, BIAO, CN
[72] CHEN, HAILIANG, CN
[72] LIU, HUI, CN
[72] SUN, WENJIE, CN
[72] WANG, CONG, CN
[72] HUANG, LU, CN
[72] WANG, ZHENG, CN
[72] LI, WEIDONG, CN
[73] HUBEI BIO-PHARMACEUTICAL INDUSTRIAL TECHNOLOGICAL INSTITUTE INC., CN
[73] HUMANWELL HEALTHCARE (GROUP) CO., LTD., CN
[85] 2018-04-23
[86] 2016-09-29 (PCT/CN2016/100821)
[87] (WO2017/054755)
[30] CN (201510643088.3) 2015-09-30

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[13] C
[51] **Int.Cl. B61F 5/38 (2006.01)**
[25] EN
[54] **RUNNING GEAR PROVIDED WITH A PASSIVE HYDRAULIC WHEEL SET STEERING SYSTEM FOR A RAIL VEHICLE**
[54] **ORGANE DE ROULEMENT POURVU D'UN SYSTEME DE DIRECTION D'ENSEMBLES DE ROUES HYDRAULIQUE PASSIF**
[72] DEDE, JANI, DE
[72] BRUNDISCH, VOLKER, DE
[73] BOMBARDIER TRANSPORTATION GMBH, DE
[85] 2018-03-27
[86] 2016-09-27 (PCT/EP2016/072932)
[87] (WO2017/055255)
[30] GB (1517168.9) 2015-09-28

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[13] C
[51] **Int.Cl. B01D 53/04 (2006.01)**
[25] EN
[54] **A TEMPERATURE-SWING ADSORPTION PROCESS**
[54] **PROCEDE D'ADSORPTION MODULEE EN TEMPERATURE**
[72] JOSS, LISA, GB
[72] GAZZANI, MATTEO, CH
[72] MAZZOTTI, MARCO, CH
[73] CASALE SA, CH
[85] 2018-05-03
[86] 2017-03-07 (PCT/EP2017/055285)
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[30] EP (16159248.0) 2016-03-08
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[13] C
[51] **Int.Cl. A61N 2/04 (2006.01) A61K 33/00 (2006.01)**
[25] EN
[54] **MULTIMODAL DEVICE FOR TRANSDERMAL TREATMENTS**
[54] **DISPOSITIF MULTIMODAL DESTINE AUX TRAITEMENTS TRANSDERMIQUES**
[72] SMITH, ANDRE HUGO, CN
[73] SMITH, ANDRE HUGO, CN
[86] (3004433)
[87] (3004433)
[22] 2018-05-09

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[13] C
[51] **Int.Cl. A23K 40/35 (2016.01) A23K 20/10 (2016.01) A23K 50/10 (2016.01)**
[25] FR
[54] **FEED ADDITIVE, METHOD OF PREPARATION, AND USE IN ORDER TO IMPROVE THE ZOOTECHNICAL PERFORMANCES OF A RUMINANT**
[54] **ADDITIF ALIMENTAIRE, PROCEDE DE PREPARATION ET UTILISATION POUR AMELIORER LES PERFORMANCES ZOOTECHNIQUES D'UN RUMINANT**
[72] BRAVO, DAVID, CH
[72] WALL, EMMA, FR
[73] PANCOSMA SA, CH
[85] 2018-05-09
[86] 2016-11-22 (PCT/IB2016/001651)
[87] (WO2017/089881)
[30] FR (1502465) 2015-11-25

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[13] C
[51] **Int.Cl. A24F 13/02 (2006.01) A24F 40/40 (2020.01) A24F 13/14 (2006.01)**
[25] EN
[54] **END PIECE FOR AEROSOL GENERATING ARTICLE**
[54] **EMBOUT POUR ARTICLE GENERATEUR D'AEROSOL**
[72] ROJO-CALDERON, NOELIA, CH
[72] BATISTA, RUI, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-05-16
[86] 2016-12-06 (PCT/IB2016/057390)
[87] (WO2017/115181)
[30] EP (15202949.2) 2015-12-29

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[13] C
[51] **Int.Cl. A47C 16/00 (2006.01) F16M 13/04 (2006.01)**
[25] EN
[54] **CHEST-MOUNTED SUPPORT DEVICE**
[54] **DISPOSITIF DE SUPPORT PECTORAL**
[72] SITZMANN, BEAU, US
[73] EVOLUTIONARY TOOLS, INC., US
[85] 2018-05-18
[86] 2015-11-24 (PCT/US2015/062313)
[87] (WO2016/085922)
[30] US (62/085,214) 2014-11-26
[30] US (62/146,095) 2015-04-10

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[13] C
[51] **Int.Cl. C07D 409/10 (2006.01) A61K 31/381 (2006.01) A61P 5/00 (2006.01)**
[25] EN
[54] **CRYSTALLIZATION PROCEDURE FOR OBTAINING CANAGLIFLOZIN HEMIHYDRATE CRYSTALS**
[54] **PROCEDE DE CRISTALLISATION POUR OBTENIR DES CRISTAUX DE CANAGLIFLOZINE HEMIHYDRATE**
[72] DE KEYSER, RUBEN, BE
[72] LAPS, STIJN, BE
[72] RAMMELOO, THOMAS JOACHIM LANDEWALD, BE
[72] WEERTS, KOEN JOHAN HERMAN, BE
[73] JANSSEN PHARMACEUTICA NV, BE
[85] 2018-05-24
[86] 2016-12-20 (PCT/EP2016/081861)
[87] (WO2017/108752)
[30] EP (15201459.3) 2015-12-21
[30] EP (16172070.1) 2016-05-31

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[13] C
[51] **Int.Cl. C11D 1/62 (2006.01) C11D 1/835 (2006.01) C11D 17/08 (2006.01)**
[25] EN
[54] **FOOD CONTACT SURFACE SANITIZING LIQUID**
[54] **LIQUIDE DE DESINFECTION D'UNE SURFACE EN CONTACT AVEC LES ALIMENTS**
[72] RIPBERGER, CARRIE, US
[72] TIMBERMAN, JULIE, US
[72] MCCORMICK, WILLIAM, III, US
[72] LEPPLA, PHOEBE, US
[72] GARBER, SAMUEL, US
[73] THE CLOROX COMPANY, US
[85] 2018-05-24
[86] 2016-11-16 (PCT/US2016/062313)
[87] (WO2017/099964)
[30] US (62/265,800) 2015-12-10
[30] US (15/351,257) 2016-11-14

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[13] C
[51] **Int.Cl. B62D 25/08 (2006.01) B62D 29/00 (2006.01)**
[25] EN
[54] **VEHICLE FRONT BODY STRUCTURE AND METHOD FOR MANUFACTURING THEREOF**
[54] **STRUCTURE DE CARROSSERIE AVANT DE VEHICULE ET SON PROCEDE DE FABRICATION**
[72] VIAUX, IVAN, FR
[72] DROUADAINE, YVES, FR
[73] ARCELORMITTAL, LU
[85] 2018-05-24
[86] 2016-12-09 (PCT/EP2016/002078)
[87] (WO2017/097426)
[30] IB (PCT/IB2015/002319) 2015-12-09

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[13] C
[51] **Int.Cl. B29C 70/34 (2006.01)**
[25] EN
[54] **IMPREGNATED VEILS**
[54] **VOILES IMPREGNES**
[72] INGRAM, JOHN, CA
[72] MCNULTY, DANIEL, CA
[72] MOORE, HENRY, CA
[72] TRUDEAU, PAUL, CA
[72] CALDER, DAVID, CA
[73] MAGNA EXTERIORS INC., CA
[85] 2018-05-25
[86] 2016-12-14 (PCT/IB2016/057632)
[87] (WO2017/103823)
[30] US (62/266,987) 2015-12-14

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[13] C
[51] **Int.Cl. F21S 8/06 (2006.01) F21V 19/00 (2006.01)**
[25] EN
[54] **MODULAR LIGHTING APPARATUS**
[54] **APPAREIL D'ECLAIRAGE MODULAIRE**
[72] SOZZI, PAOLO, IT
[72] POZZI, FAUSTO, IT
[73] SOZZI ARREDAMENTI S.P.A., IT
[85] 2018-05-25
[86] 2016-12-12 (PCT/IB2016/057543)
[87] (WO2017/109636)
[30] IT (102015000086249) 2015-12-22

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[13] C
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/31 (2006.01) A61M 5/24 (2006.01)**
[25] EN
[54] **AUTO INJECTOR WITH ADAPTABLE AIR-SHOT MECHANISM**
[54] **AUTO-INJECTEUR A MECANISME ADAPTABLE A AIR COMPRIME**
[72] PEDERSEN, PER MOLGAARD, DK
[72] MADSEN, FLEMMING, DK
[72] POULSEN, SVEN ERIK, DK
[72] JENSEN, STEEN, DK
[72] EGESBORG, HENRIK, DK
[73] ASCENDIS PHARMA A/S, DK
[85] 2018-05-28
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[25] EN
[54] **EMM-28, A NOVEL SYNTHETIC CRYSTALLINE MATERIAL, ITS PREPARATION AND USE**
[54] **EMM-28, NOUVEAU MATERIAU CRISTALLIN SYNTHETIQUE, SA PREPARATION ET SON UTILISATION**
[72] SCHMITT, KIRK D., US
[72] VROMAN, HILDA B., US
[72] BURTON, ALLEN W., US
[72] MARELLA, MICHAEL A., US
[72] MABON, ROSS, US
[72] WESTON, SIMON C., US
[73] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2018-06-01
[86] 2016-11-23 (PCT/US2016/063444)
[87] (WO2017/095705)
[30] US (62/262,950) 2015-12-04

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[51] **Int.Cl. B65D 41/34 (2006.01) B65D 1/02 (2006.01)**
[25] FR
[54] **SHUTOFF SYSTEM FOR A CONTAINER**
[54] **SYSTEME D'OBTURATION POUR RECIPIENT**
[72] KOMET, ISRAEL, IL
[72] ROULLE, ALAIN, FR
[73] SVALINN CAP SYSTEMS AG, CH
[85] 2018-06-04
[86] 2016-12-14 (PCT/EP2016/080919)
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[25] EN
[54] **ACID GAS ENRICHMENT METHOD AND SYSTEM**
[54] **PROCEDE ET INSTALLATION D'ENRICHISSEMENT EN GAZ ACIDE**
[72] INGRAM, THOMAS, DE
[72] VORBERG, GERALD, DE
[72] SIEDER, GEORG, DE
[73] BASF SE, DE
[85] 2018-06-08
[86] 2016-12-07 (PCT/EP2016/080121)
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[54] **LOW CREEP FIBER**
[54] **FIBRE A FAIBLE FLUAGE**
[72] ENGELS, TOM ANTONIUS PHILOMENA, NL
[72] DE CREMER, GERT, NL
[72] BERTHOUD, ROMAIN, NL
[72] STEPANYAN, ROMAN, NL
[72] ROOZEMOND, PETER, NL
[72] OOSTERLINCK, FILIP STEFAN EMIEL, NL
[72] SEVERN, JOHN RICHARD, NL
[73] AVIENT PROTECTIVE MATERIALS B.V., NL
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[25] EN
[54] **AGRICULTURAL WAGON WITH UNLOAD AUGER OPERABLE ON BOTH SIDES**
[54] **WAGON AGRICOLE DOTE D'UNE TARIERE DE DECHARGEMENT SUR LES DEUX COTES**
[72] FRIESEN, MICHAEL I. J., CA
[73] ELMER'S WELDING & MANUFACTURING LTD., CA
[86] (3008122)
[87] (3008122)
[22] 2018-06-13
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[25] EN
[54] **ANIMAL NOISE SIMULATOR**
[54] **SIMULATEUR DE BRUIT ANIMAL**
[72] HERRICK, SCOTT, US
[73] HERRICK, SCOTT, US
[86] (3008403)
[87] (3008403)
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[25] EN
[54] **SELECTIVE CATALYTIC REDUCTION (SCR) CATALYST COMPRISING A COMPOSITE OXIDE CONTAINING V AND SB, PREPARATION PROCESS THEREOF, AND USE THEREOF FOR NITROGEN OXIDES REMOVAL**
[54] **CATALYSEUR DE REDUCTION SELECTIVE CATALYTIQUE (SCR) COMPRENANT UN OXYDE COMPOSITE CONTENANT DU V ET DU SB, SON PROCEDE DE PREPARATION, ET SON UTILISATION POUR L'ELIMINATION DES OX YDES D'AZOTE**
[72] ZHAO, FENG, CN
[72] ZHANG, JIADI, CN
[72] CHEN, LIANG, CN
[72] GALEANO, CAROLINA, DE
[72] HUBER, SABINE, DE
[72] HUENNEKES, EDGAR, DE
[73] BASF CORPORATION, US
[73] BASF SE, DE
[85] 2018-06-15
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[25] EN
[54] **FORMULATIONS OF PHOSPHORAMIDATE DERIVATIVES OF NUCLEOSIDE DRUGS**
[54] **FORMULATIONS DE MEDICAMENTS A BASE DE DERIVES PHOSPHORAMIDATE DE NUCLEOSIDES**
[72] KENNOVIN, GORDON, GB
[72] GRIFFITH, HUGH, GB
[73] NUCANA PLC, GB
[85] 2018-06-15
[86] 2016-12-21 (PCT/GB2016/054025)
[87] (WO2017/109491)
[30] GB (1522764.8) 2015-12-23

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[25] EN
[54] **LIPID-LINKED PRODRUGS**
[54] **PROMEDICAMENTS LIES A DES LIPIDES**
[72] CIUFOLINI, MARCO A., CA
[72] CULLIS, PIETER R., CA
[72] ZAIFMAN, JOSHUA, CA
[72] TAM, YUEN YI, CA
[73] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2018-06-18
[86] 2016-12-22 (PCT/CA2016/000322)
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[30] US (62/387,160) 2015-12-23

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[25] EN
[54] **SMALL MOLECULE INHIBITORS OF HLA-DR3 BINDING FOR TREATING AUTOIMMUNE THYROIDITIS**
[54] **INHIBITEURS A PETITE MOLECULE DE LIAISON A HLA-DR3 POUR TRAITER LA THYROIDITE AUTO-IMMUNE**
[72] TOMER, YARON, US
[72] OSMAN, ROMAN, US
[73] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
[85] 2018-06-18
[86] 2016-12-20 (PCT/US2016/067775)
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[30] US (62/270,870) 2015-12-22

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[25] EN
[54] **FORMLINER FOR FORMING A PATTERN IN CURABLE MATERIAL AND METHOD OF USE**
[54] **REVETEMENT DE MOULE POUR FORMER UN MOTIF DANS UN MATERIAU DURCISSABLE ET PROCEDE D'UTILISATION**
[72] FITZGERALD, EDWARD DANIEL, US
[72] SHEEHAN, BRIAN EUGENE, US
[73] PRIME FORMING & CONSTRUCTION SUPPLIES, INC., DBA FITZGERALD FORMLINERS, US
[85] 2018-06-19
[86] 2016-06-09 (PCT/US2016/036598)
[87] (WO2017/116494)
[30] US (62/272,021) 2015-12-28

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[13] C
[51] **Int.Cl. A61K 31/4985 (2006.01) A61K 9/20 (2006.01) A61P 11/14 (2006.01)**
[25] EN
[54] **ORVEPITANT FOR THE TREATMENT OF CHRONIC COUGH**
[54] **ORVEPITANT POUR LE TRAITEMENT D'UNE TOUX CHRONIQUE**
[72] TROWER, MIKE, GB
[73] NERRE THERAPEUTICS LIMITED, GB
[85] 2018-06-20
[86] 2016-12-27 (PCT/EP2016/082698)
[87] (WO2017/118584)
[30] US (62/276,237) 2016-01-08
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[13] C
[51] **Int.Cl. H04N 21/466 (2011.01) H04N 21/258 (2011.01) H04N 21/472 (2011.01) G06F 16/70 (2019.01)**
[25] EN
[54] **CREATING INTUITIVE FAVORITES FOR USERS**
[54] **CREATION DE FAVORIS INTUITIFS POUR DES UTILISATEURS**
[72] KALIAMOORTHI, AMUDHA, IN
[72] LAKSHMI SHARAN LAL, DHARMVEER, IN
[73] NAGRAVISION S.A., CH
[85] 2018-06-21
[86] 2017-01-27 (PCT/IB2017/000113)
[87] (WO2017/130063)
[30] US (15/009,651) 2016-01-28

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[13] C
[51] **Int.Cl. H02M 3/28 (2006.01) B23K 9/10 (2006.01)**
[25] EN
[54] **WELDING POWER SUPPLY WITH INTERLEAVED INVERTER CIRCUITRY**
[54] **ALIMENTATION ELECTRIQUE DE SOUDAGE A CIRCUITS INVERSEURS ENTRELACES**
[72] MANTHE, ALAN ADAM, US
[72] KNOENER, CRAIG STEVEN, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2018-06-21
[86] 2016-12-09 (PCT/US2016/065778)
[87] (WO2017/116654)
[30] US (62/274,117) 2015-12-31
[30] US (62/286,764) 2016-01-25
[30] US (15/354,282) 2016-11-17

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[13] C
[51] **Int.Cl. B05D 3/06 (2006.01) B29D 35/12 (2010.01) B29D 35/14 (2010.01) A43B 23/02 (2006.01) B05D 1/00 (2006.01) B05D 1/02 (2006.01) B05D 1/26 (2006.01) B29C 41/08 (2006.01) C08F 2/48 (2006.01) C09D 175/14 (2006.01) C09D 175/16 (2006.01)**
[25] EN
[54] **THREE DIMENSIONAL DEPOSITION METHOD TO CREATE LAYERS OF POLYMERIC MATERIAL ONTO AN OBJECT**
[54] **PROCEDE DE DEPOT TRIDIMENSIONNEL PERMETTANT DE CREER DES COUCHES DE MATERIAU POLYMERE SUR UN OBJET**
[72] GIANNINI, GIACOMO, BE
[72] VAN DYCK, JOHAN, BE
[72] VAN LOOY, KEVIN, BE
[72] VERBEKE, HUGO, BE
[73] HUNTSMAN INTERNATIONAL LLC, US
[85] 2018-06-22
[86] 2017-01-04 (PCT/EP2017/050115)
[87] (WO2017/133855)
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[13] C
[51] **Int.Cl. B27K 3/00 (2006.01) B27K 3/20 (2006.01) B27K 3/22 (2006.01)**
[25] EN
[54] **METHODS FOR ENHANCING THE PRESERVATION OF CELLULOSIC MATERIALS AND CELLULOSIC MATERIALS PREPARED THEREBY**
[54] **PROCEDES POUR AMELIORER LA PRESERVATION DE MATERIAUX CELLULOSIQUES ET MATERIAUX CELLULOSIQUES PREPARES PAR CELUI-CI**
[72] BRIMHALL, DANIEL, US
[73] AMERICAN CHEMET CORPORATION, US
[85] 2018-06-22
[86] 2016-12-22 (PCT/US2016/068240)
[87] (WO2017/112848)
[30] US (62/387,321) 2015-12-23
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[25] EN
[54] **PIPE SPINNER AND LIFTER**
[54] **DISPOSITIF DE ROTATION ET APPAREIL DE LEVAGE D'UN TUYAU**
[72] TWERDOCLEB, COLIN, CA
[72] RISTAU, NATHAN, CA
[73] PRECISION FIBERGLASS PIPING INC., CA
[86] (3010169)
[87] (3010169)
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[51] **Int.Cl. B21D 39/00 (2006.01) B22D 25/06 (2006.01) C22C 37/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF FABRICATION AND USE OF WEAR-RESISTANT MATERIALS**
[54] **SYSTEMES ET PROCEDES DE FABRICATION ET D'UTILISATION DE MATERIAUX RESISTANT A L'USURE**
[72] KUMAR, BIJU PILLAI, US
[72] IVIE, BRADLEY S., US
[72] LIU, WEI, US
[72] KUMAR, ANIL, US
[72] GILLEYLEN, RUSSELL C., US
[72] HUGHES, MICHAEL D., US
[72] NARAYAN, JAGDISH, US
[73] NATIONAL OILWELL DHT, L.P., US
[73] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2018-06-29
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[25] EN
[54] **FABRIC AND FIBER PRODUCT**
[54] **PRODUIT DE TISSU ET DE FIBRE**
[72] OGATA, NOBUAKI, JP
[73] TEIJIN FRONTIER CO., LTD., JP
[85] 2018-06-29
[86] 2016-11-28 (PCT/JP2016/085102)
[87] (WO2017/126223)
[30] JP (2016-008817) 2016-01-20

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[25] EN
[54] **METHOD FOR PROCESSING SOLUTIONS OF BIOMOLECULES**
[54] **PROCEDE DE TRAITEMENT DE SOLUTIONS DE BIOMOLECULES**
[72] HEISE, CHARLES, GB
[72] NAGY, TIBOR, GB
[73] FUJIFILM DIOSYNTH BIOTECHNOLOGIES UK LIMITED, GB
[85] 2018-07-04
[86] 2016-12-19 (PCT/GB2016/053981)
[87] (WO2017/118836)
[30] GB (1600290.9) 2016-01-07

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[25] EN
[54] **METHOD FOR SEPARATING METAL COMPONENTS**
[54] **PROCEDE DE SEPARATION DE CONSTITUANTS METALLIQUES**
[72] AWAZU, TOMOYUKI, JP
[72] MAJIMA, MASATOSHI, JP
[72] TSUBOKURA, MITSUTAKA, JP
[72] OISHI, TETSUO, JP
[73] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP
[73] NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY, JP
[85] 2018-07-05
[86] 2016-12-27 (PCT/JP2016/088977)
[87] (WO2017/119374)
[30] JP (2016-000555) 2016-01-05

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[51] **Int.Cl. F21S 4/20 (2016.01) H01L 25/075 (2006.01)**
[25] EN
[54] **LED LIGHT EMITTING STRIP AND ARRANGEMENT OF LED LIGHT EMITTING STRIPS**
[54] **BANDE EMETTRICE DE LUMIERE A DEL ET AGENCEMENT DE BANDES EMETTRICES DE LUMIERE A DEL**
[72] WINKLER, MARKUS, DE
[72] ENENKEL, MARTIN, DE
[72] BOTTCHER, MATTHIAS, DE
[73] PAVCON UG (HAFTUNGSBESCHRANKT), DE
[85] 2018-07-06
[86] 2017-01-12 (PCT/EP2017/050515)
[87] (WO2017/121773)
[30] US (14/996,429) 2016-01-15

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[51] **Int.Cl. B01D 1/00 (2006.01) B01D 3/00 (2006.01)**
[25] EN
[54] **INLET VANE DEVICE WITH INNER BEAM FOR RIGIDITY AND VESSEL CONTAINING SAME**
[54] **DISPOSITIF D'AUBES D'ENTREE AVEC TRAVERSE INTERNE POUR RIGIDITE ET CUVE CONTENANT CELUI-CI**
[72] NIEUWOUDT, IZAK, US
[73] KOCH-GLITSCH, LP, US
[85] 2018-07-10
[86] 2017-01-25 (PCT/US2017/014918)
[87] (WO2017/132245)
[30] US (62/287,688) 2016-01-27

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[13] C
[51] **Int.Cl. F04B 53/16 (2006.01)**
[25] EN
[54] **PREVENTING DEFORMATION OF FRAME ON A RECIPROCATING COMPRESSOR**
[54] **PREVENTION DE LA DEFORMATION DE CADRE SUR UN COMPRESSEUR ALTERNATIF**
[72] HERRERA, ROBERT LEE, US
[72] KETKAR, ANIRUDDHA, US
[72] PAMIO, FEDERICO, US
[72] PEARL, KENT, US
[72] RAMAKUMAR, KARTHIK, US
[73] COOPER MACHINERY SERVICES LLC, US
[85] 2018-07-12
[86] 2017-01-27 (PCT/US2017/015309)
[87] (WO2017/132492)
[30] US (15/007,284) 2016-01-27

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[13] C
[51] **Int.Cl. G01S 1/04 (2006.01)**
[25] EN
[54] **LOCATION DETERMINATION USING CROWD SOURCED INFORMATION**
[54] **DETERMINATION D'EMPLACEMENT A L'AIDE D'INFORMATIONS D'EXTERNALISATION OUVERTE**
[72] SADRIEH, SEYED NIMA, CA
[73] RX NETWORKS INC., CA
[85] 2018-07-18
[86] 2017-01-19 (PCT/CA2017/050059)
[87] (WO2017/124189)
[30] US (62/281,613) 2016-01-21

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[13] C
[51] **Int.Cl. B62D 15/00 (2006.01) B62D 17/00 (2006.01) B66F 11/04 (2006.01) E04G 3/28 (2006.01)**
[25] EN
[54] **VEHICLE WHEEL POSITIONING AND STEERING APPARATUS**
[54] **APPAREIL DE POSITIONNEMENT ET DIRECTION DE ROUE DE VEHICULE**
[72] CROOK, GARY, US
[73] CALIFORNIA MANUFACTURING AND ENGINEERING COMPANY CO., LLC, US
[86] (3011992)
[87] (3011992)
[22] 2018-07-20
[30] US (62/540373) 2017-08-02
[30] US (15/849751) 2017-12-21

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[13] C
[51] **Int.Cl. C25C 3/06 (2006.01) C25C 3/20 (2006.01)**
[25] EN
[54] **METHOD OF MONITORING INDIVIDUAL ANODE CURRENTS IN AN ELECTROLYTIC CELL SUITABLE FOR THE HALL-HEROULT ELECTROLYSIS PROCESS**
[54] **PROCEDE DE SURVEILLANCE DE COURANTS ANODIQUES INDIVIDUELS DANS UNE CELLULE ELECTROLYTIQUE CONVENANT POUR LE PROCEDE D'ELECTROLYSE HALL-HEROULT**
[72] BAO, JIE, AU
[72] WELCH, BARRY, NZ
[72] AKHMETOV, SERGEY, AE
[72] YAO, YUCHEN, AU
[72] CHEUNG, CHEUK-YI, AU
[72] BANJAB, ALI JASIM, AE
[72] SKYLLAS-KAZACOS, MARIA, AU
[73] DUBAI ALUMINIUM PJSC, AE
[73] NEWSOUTH INNOVATIONS PTY LIMITED, AU
[85] 2018-07-20
[86] 2017-02-08 (PCT/IB2017/050666)
[87] (WO2017/141135)
[30] GB (1602627.0) 2016-02-15

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[13] C
[51] **Int.Cl. B64C 9/22 (2006.01) B64D 15/12 (2006.01)**
[25] FR
[54] **AIRCRAFT WING COMPRISING A MOVABLE FLAP AND A HOUSING FOR ACCOMMODATING FLEXIBLE PIPING**
[54] **AILE D'AERONEF COMPRENANT UN VOLET MOBILE ET UN BOITIER DE RANGEMENT DE TUBULURE SOUPLE**
[72] DUMONT, NICOLAS, FR
[72] PENOUILH, SYLVAIN, BE
[73] SONACA S.A., BE
[85] 2018-07-20
[86] 2017-01-24 (PCT/EP2017/051361)
[87] (WO2017/129536)
[30] BE (2016/5069) 2016-01-27

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[13] C
[51] **Int.Cl. E04H 15/48 (2006.01) E04H 15/44 (2006.01)**
[25] EN
[54] **RAPIDLY DEPLOYABLE MODULAR SHELTER SYSTEM**
[54] **SYSTEME D'ABRI MODULAIRE A DEPLOIEMENT RAPIDE**
[72] JOHNSON, BRIAN D., CA
[72] SAVENKOFF, RYAN DOUGLAS, CA
[73] WEATHERHAVEN GLOBAL RESOURCES LTD., CA
[85] 2018-07-23
[86] 2017-01-25 (PCT/CA2017/050071)
[87] (WO2017/127920)
[30] US (62/287,313) 2016-01-26

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[13] C
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 15/00 (2006.01) B01D 53/56 (2006.01) B01J 20/04 (2006.01) B01J 20/28 (2006.01) B01J 20/30 (2006.01)**
[25] EN
[54] **A PARTICULATE EARTH ALKALI CARBONATE-COMPRISING MATERIAL AND/OR PARTICULATE EARTH ALKALI PHOSPHATE-COMPRISING MATERIAL FOR NOX UPTAKE**
[54] **MATERIAU COMPRENANT DU CARBONATE ALCALINO-TERREUX A PARTICULES ET/OU MATERIAU COMPRENANT DU PHOSPHATE ALCALINO-TERREUX A PARTICULES POUR LA RECUPERATION DE NOX**
[72] LAPORTE, CHRISTOPHE, CH
[72] FREY, DANIEL, CH
[72] HETTMANN, KAI MAX, DE
[72] RENTSCH, SAMUEL, CH
[72] GYSAU, DETLEF, CH
[72] GANE, PATRICK A.C., CH
[73] OMYA INTERNATIONAL AG, CH
[85] 2018-07-25
[86] 2017-03-06 (PCT/EP2017/055178)
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[30] EP (16158979.1) 2016-03-07
[30] US (62/307,603) 2016-03-14

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[54] **A COMPUTER-IMPLEMENTED METHOD AND SYSTEM OF PROVIDING GAMING SERVICES**
[54] **SYSTEME ET PROCEDE MIS EN OEUVRE PAR ORDINATEUR POUR FOURNIR DES SERVICES DE JEU**
[72] ESCALANTE, LAURENCE, AU
[73] VGW HOLDINGS LIMITED, AU
[85] 2018-07-26
[86] 2017-03-21 (PCT/IB2017/000363)
[87] (WO2017/163125)
[30] US (62/311,958) 2016-03-23

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[51] **Int.Cl. F41H 1/02 (2006.01) B23B 3/06 (2006.01) F41H 5/04 (2006.01)**
[25] EN
[54] **BALLISTIC BODY ARMOR PANELS AND METHODS OF MAKING SAME**
[54] **PANNEAUX DE GILET PARE-BALLES ET LEURS PROCEDES DE FABRICATION**
[72] FIELD, BRADLEY JAMES, CA
[73] PRE LABS INC., CA
[85] 2018-07-26
[86] 2017-02-09 (PCT/CA2017/050149)
[87] (WO2017/136936)
[30] US (62/293,641) 2016-02-10

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[51] **Int.Cl. C22C 21/12 (2006.01)**
[25] FR
[54] **THICK PLATES MADE OF AL-CU-LI ALLOY WITH IMPROVED FATIGUE PROPERTIES**
[54] **TOLES EPAISSES EN ALLIAGE AL-CU-LI A PROPRIETES EN FATIGUE AMELIOREES**
[72] EHRSTROM, JEAN-CHRISTOPHE, FR
[72] DA FONSECA BARBATTI, CARLA, FR
[73] CONSTELLIUM ISSOIRE, FR
[85] 2018-07-27
[86] 2017-02-03 (PCT/FR2017/050255)
[87] (WO2017/134405)
[30] FR (1650850) 2016-02-03

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[51] **Int.Cl. F16L 27/00 (2006.01) B23Q 1/70 (2006.01) B23Q 11/10 (2006.01) B23Q 17/00 (2006.01) F16L 27/08 (2006.01) F16L 27/087 (2006.01) F16L 39/06 (2006.01) G01D 11/24 (2006.01) G01D 21/02 (2006.01) G01M 13/02 (2019.01)**
[25] EN
[54] **ROTARY UNION WITH INTEGRAL SENSOR ARRAY**
[54] **RACCORD ROTATIF AVEC RESEAU DE CAPTEURS INTEGRE**
[72] PETROU, ANTON A., US
[72] BUDZUS, CHRISTOPH, DE
[72] GULIANA, SARGON, US
[73] DEUBLIN COMPANY, US
[85] 2018-07-27
[86] 2017-01-27 (PCT/US2017/015351)
[87] (WO2017/136235)
[30] US (62/289,659) 2016-02-01
[30] US (15/416,528) 2017-01-26

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[51] **Int.Cl. D21F 11/00 (2006.01) B65H 20/00 (2006.01) D21H 11/00 (2006.01)**
[25] EN
[54] **MOLDING ROLL FOR MAKING PAPER PRODUCTS**
[54] **CYLINDRE DE MOULAGE DESTINE A LA FABRICATION DE PRODUITS DE PAPIER**
[72] BECK, DAVID A., US
[73] GPCP IP HOLDINGS LLC, US
[85] 2018-07-26
[86] 2017-01-31 (PCT/US2017/015715)
[87] (WO2017/139125)
[30] US (62/292,379) 2016-02-08

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[51] **Int.Cl. A01K 61/95 (2017.01) A01K 61/13 (2017.01)**
[25] EN
[54] **DEVICE AND METHOD FOR RECORDING AND MONITORING HEALTH AND DEVELOPMENT IN LIVING FISH**
[54] **DISPOSITIF ET PROCEDE D'ENREGISTREMENT ET DE SUIVI DE LA SANTE ET DU DEVELOPPEMENT CHEZ DES POISSONS VIVANTS**
[72] SAUGEN, BERNT, NO
[72] IDSO, SVEIN TORE, NO
[72] HAUGE, GEIR STANG, NO
[73] BIOSORT AS, NO
[85] 2018-07-30
[86] 2017-02-08 (PCT/IB2017/050672)
[87] (WO2017/137896)
[30] NO (20160199) 2016-02-08

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[51] **Int.Cl. H04N 19/52 (2014.01)**
[25] EN
[54] **IMAGE ENCODING METHOD AND APPARATUS, AND IMAGE DECODING METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE CODAGE/DECODAGE D'IMAGE**
[72] CHEN, HUANBANG, CN
[72] LIN, SIXIN, CN
[72] YANG, HAITAO, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-08-03
[86] 2016-09-08 (PCT/CN2016/098403)
[87] (WO2017/133243)
[30] CN (201610081070.3) 2016-02-06

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[51] **Int.Cl. C08G 63/90 (2006.01) C08G 63/87 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING AN OXIDATIVELY CURABLE COATING FORMULATION**
[54] **PROCEDE DE PREPARATION D'UNE FORMULATION DE REVETEMENT DURCISSABLE PAR OXYDATION**
[72] MAAIJEN, KARIN, NL
[72] HAGE, RONALD, NL
[73] MILLIKEN INDUSTRIALS LIMITED, GB
[85] 2018-08-03
[86] 2017-02-06 (PCT/GB2017/050284)
[87] (WO2017/134463)
[30] EP (16154518.1) 2016-02-05

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[51] **Int.Cl. A61K 31/7016 (2006.01) A61K 9/08 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **OPHTHALMIC COMPOSITIONS AND METHODS FOR REDUCING OXIDATIVE DAMAGE TO AN EYE LENS**
[54] **COMPOSITIONS OPHTALMIQUES ET PROCEDES DE REDUCTION DES DOMMAGES OXYDATIFS D'UN CRISTALLIN OCULAIRE**
[72] O'TOOLE, MARTIN G., US
[72] SCHAAL, SHLOMIT, US
[73] UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, US
[73] BRAUN, ORI, US
[85] 2018-08-08
[86] 2016-02-08 (PCT/US2016/017005)
[87] (WO2016/130478)
[30] US (62/113,932) 2015-02-09

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[13] C
[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/497 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 25/00 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 417/14 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **ACID ADDITION SALTS OF PIPERAZINE DERIVATIVES**
[54] **SELS D'ADDITION D'ACIDE DE DERIVES DE PIPERAZINE**
[72] QUATTROPANI, ANNA, CH
[72] KULKARNI, SANTOSH S., IN
[72] GIRI, AWADUT GAJENDRA, IN
[72] TORONTO, DAWN V., FR
[72] CROWE, DAVID MALCOLM, GB
[73] ASCENEURON S.A., CH
[85] 2018-08-09
[86] 2017-02-24 (PCT/EP2017/054278)
[87] (WO2017/144637)
[30] IN (201621006638) 2016-02-25

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[51] **Int.Cl. E04H 17/14 (2006.01) E04F 11/18 (2006.01) E04H 17/00 (2006.01) E04H 17/20 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN SNAP FIT POSTS FOR FENCE PANELS BALUSTRADES AND THE LIKE**
[54] **AMELIORATIONS APPORTEES A DES MONTANTS A EMBOITEMENT-PRESSION POUR PANNEAUX DE CLOTURE, BALUSTRADES ET ANALOGUES**
[72] THOMAS, LESLIE JAMES, AU
[72] LINDSAY, GARY LLOYD, AU
[73] SAS SYSTEMS AUSTRALIA PTY LTD, AU
[85] 2018-08-13
[86] 2016-02-13 (PCT/AU2016/000038)
[87] (WO2016/127201)
[30] AU (2015900469) 2015-02-13

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[51] **Int.Cl. H01R 4/66 (2006.01) E21B 47/13 (2012.01) H01R 11/12 (2006.01) H01R 39/04 (2006.01)**
[25] EN
[54] **BULKHEAD ASSEMBLY HAVING A PIVOTABLE ELECTRIC CONTACT COMPONENT AND INTEGRATED GROUND APPARATUS**
[54] **ENSEMBLE CLOISON COMPORTANT UN COMPOSANT DE CONTACT ELECTRIQUE PIVOTANT ET DISPOSITIF DE MISE A LA TERRE INTEGRE**
[72] EITSCHBERGER, CHRISTIAN, DE
[73] DYNAENERGETICS EUROPE GMBH, DE
[86] (3015102)
[87] (3015102)
[22] 2016-03-15
[62] 2,923,860
[30] US (62/134,893) 2015-03-18

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[13] C
[51] **Int.Cl. C08F 220/14 (2006.01) C08F 220/18 (2006.01) C10M 145/14 (2006.01)**
[25] EN
[54] **AQUEOUS POLYMER DISPERSIONS, A METHOD FOR THEIR PREPARATION AND THE USE THEREOF AS POUR-POINT DEPRESSANTS FOR CRUDE OIL, PETROLEUM, AND PETROLEUM PRODUCTS**
[54] **DISPERSIONS AQUEUSES DE POLYMERES, PROCEDE POUR LEUR PREPARATION ET UTILISATION CORRESPONDANTE COMME AGENTS ABAISSANT LE POINT D'ECOULEMENT POUR LE PETROLE BRUT, LE PETROLE ET LES PRODUITS PETROLIERS**
[72] BRAEUER, JUDITH, DE
[72] GUMLICH, KAI, AE
[72] FRENZEL, STEFAN, DE
[72] SOCHER, MARIA, DE
[72] JACKSON, JENNIFER ANNE, US
[72] BOHRES, EDWARD, DE
[73] BASF SE, DE
[85] 2018-08-20
[86] 2017-03-08 (PCT/EP2017/055423)
[87] (WO2017/153462)
[30] EP (16159549.1) 2016-03-10

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[13] C
[51] **Int.Cl. C22C 38/28 (2006.01) C21D 8/02 (2006.01) C22C 38/06 (2006.01)**
[25] EN
[54] **TI-CONTAINING FERRITIC STAINLESS STEEL SHEET, MANUFACTURING METHOD, AND FLANGE**
[54] **TOLE D'ACIER INOXYDABLE FERRITIQUE COMPRENANT DU TITANE, PROCEDE DE FABRICATION ET BRIDE**
[72] MITSUNAGA, SEIJI, JP
[72] EBIHAMA, NOBUHISA, JP
[72] EHARA, YASUHIRO, JP
[72] IMAKAWA, KAZUNARI, JP
[73] NIPPON STEEL STAINLESS STEEL CORPORATION, JP
[85] 2018-08-22
[86] 2017-01-24 (PCT/JP2017/002300)
[87] (WO2017/169011)
[30] JP (2016-067059) 2016-03-30

[11] **3,015,509**
[13] C
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6876 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS FOR PREVENTING OR REDUCING ACUTE KIDNEY INJURY**
[54] **PROCEDES DE PREVENTION OU DE REDUCTION D'UNE INSUFFISANCE RENALE AIGUE**
[72] MITIN, NATALIA, US
[73] SAPERE BIO, INC., US
[85] 2018-08-22
[86] 2017-02-22 (PCT/US2017/018962)
[87] (WO2017/147195)
[30] US (62/298,394) 2016-02-22

[11] **3,016,028**
[13] C
[51] **Int.Cl. G11C 11/419 (2006.01) G11C 7/06 (2006.01)**
[25] EN
[54] **LEAKAGE-AWARE ACTIVATION CONTROL OF A DELAYED KEEPER CIRCUIT FOR A DYNAMIC READ OPERATION IN A MEMORY BIT CELL**
[54] **COMMANDE D'ACTIVATION SENSIBLE AUX FUITES D'UN CIRCUIT DE MAINTIEN RETARDE POUR UNE OPERATION DE LECTURE DYNAMIQUE DANS UNE CELLULE BINAIRE DE MEMOIRE**
[72] ATALLAH, FRANCOIS IBRAHIM, US
[72] NGUYEN, HOAN HUU, US
[72] BOWMAN, KEITH ALAN, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-08-28
[86] 2017-03-02 (PCT/US2017/020351)
[87] (WO2017/172230)
[30] US (15/085,187) 2016-03-30

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[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 8/49 (2006.01) C07D 209/12 (2006.01)**
[25] EN
[54] **MALASSEZIN AND ANALOGS THEREOF AS SKIN BRIGHTENING AGENTS**
[54] **MALASSEZINE ET ANALOGUES CORRESPONDANTS EN TANT QU'AGENTS D'ECLAIRCISSEMENT DE LA PEAU**
[72] EINZIGER, MICHAEL, US
[72] SIMPSON, ANN MARIE, US
[73] VERSICOLOR TECHNOLOGIES, LLC, US
[85] 2018-09-10
[86] 2017-03-10 (PCT/US2017/021843)
[87] (WO2017/156424)
[30] US (62/306,468) 2016-03-10

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[13] C
[51] **Int.Cl. B04C 5/22 (2006.01) B04C 5/28 (2006.01) B04C 11/00 (2006.01)**
[25] EN
[54] **FLUID SEPARATION APPARATUS AND SYSTEM**
[54] **APPAREIL ET SYSTEME DE DISTRIBUTION DE FLUIDE**
[72] WEAVER, RANDALL FERRAIN, US
[72] WOLF, MARK ERNEST, US
[72] EGGLESTON, CLIFTON DEE, US
[73] NATIONAL OILWELL VARCO, L.P., US
[85] 2018-09-10
[86] 2017-03-10 (PCT/US2017/021928)
[87] (WO2017/156468)
[30] US (62/307,120) 2016-03-11

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[13] C
[51] **Int.Cl. E04G 1/00 (2006.01) G06F 30/13 (2020.01) E04G 1/06 (2006.01) E04G 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR PROVIDING AND ASSEMBLING SCAFFOLDING UNITS, EACH OF WHICH WILL BE ASSEMBLED FROM INDIVIDUAL SCAFFOLDING COMPONENTS FOR CONSTRUCTING AN INDUSTRIAL PLANT, IN PARTICULAR A PETROLEUM REFINERY**
[54] **PROCEDE PERMETTANT D'OBTENIR ET D'ASSEMBLER DES UNITES D'ECHAFAUDAGE, CHACUNE ETANT ASSEMBLEE A PARTIR D'ELEMENTS D'ECHAFAUDAGE INDIVIDUELS POUR CONSTRUIRE UN ETABLISSEMENT INDUST RIEL, EN PARTICULIER UNE RAFFINERIE DE PETROLE**
[72] GRASSA, GIOVANNI, CA
[72] SKELTON, ROD, CA
[72] LAWRENCE, DAVE, CA
[73] PERI SE, DE
[85] 2018-09-13
[86] 2017-02-23 (PCT/EP2017/054176)
[87] (WO2017/157635)
[30] US (15/070,525) 2016-03-15

[11] **3,017,783**
[13] C
[51] **Int.Cl. B65D 33/16 (2006.01) A47F 13/08 (2006.01) B65D 33/00 (2006.01) B65D 65/42 (2006.01) B65D 77/10 (2006.01)**
[25] EN
[54] **TWIST-TIE PRODUCT**
[54] **PRODUIT DE LIAISON PAR TORSION**
[72] HELSETH, JAMES R., US
[73] TWIST-EASE, INC., US
[85] 2018-09-13
[86] 2017-03-13 (PCT/US2017/022138)
[87] (WO2017/160743)
[30] US (62/307,766) 2016-03-14

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[13] C
[51] **Int.Cl. A47J 37/06 (2006.01)**
[25] FR
[54] **HOT-AIR COOKER**
[54] **CUISEUR A AIR CHAUD**
[72] GANGLIN, CHEN, CN
[72] YONGZHU, LU, CN
[72] CHENG, LIN, CN
[73] SEB S.A., FR
[85] 2018-09-18
[86] 2017-03-30 (PCT/FR2017/050734)
[87] (WO2017/191377)
[30] CN (201620270787.8) 2016-03-31

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[51] **Int.Cl. A61K 9/02 (2006.01) A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 38/28 (2006.01) C07K 14/62 (2006.01)**
[25] EN
[54] **USE OF INSULIN FOR PROMOTING GASTRIC EMPTYING**
[54] **UTILISATION DE L'INSULINE POUR FAVORISER LA VIDANGE GASTRIQUE**
[72] ATAROT, TAL, IL
[72] OLSHANSKY, MICHAL, IL
[73] ELGAN PHARMA LTD, IL
[85] 2018-09-18
[86] 2017-03-24 (PCT/US2017/024053)
[87] (WO2017/165789)
[30] US (62/312,473) 2016-03-24

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[13] C
[51] **Int.Cl. E02F 3/40 (2006.01) E02F 3/36 (2006.01) E02F 3/413 (2006.01)**
[25] EN
[54] **ROBUST MULTI-TOOL ASSEMBLY FOR HYDRAULIC EXCAVATORS**
[54] **ENSEMBLE ROBUSTE A OUTILS MULTIPLES POUR EXCAVATRICES HYDRAULIQUES**
[72] FREY, STEVEN OSCAR, CA
[72] MYER, DWIGHT COLIN, CA
[73] AMI ATTACHMENTS INC., CA
[85] 2018-09-21
[86] 2017-03-23 (PCT/CA2017/050369)
[87] (WO2017/161458)
[30] GB (1604983.5) 2016-03-23
[30] GB (1701204.8) 2017-01-24

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[13] C
[51] **Int.Cl. G05D 15/01 (2006.01)**
[25] EN
[54] **PERSISTENT AERIAL RECONNAISSANCE AND COMMUNICATION SYSTEM**
[54] **SYSTEME DE RECONNAISSANCE ET DE COMMUNICATION AERIENNE PERSISTANTE**
[72] ANDERSON, BRETTON E., US
[72] BOHORQUEZ, FELIPE, US
[72] FILLIPOV, MIKHAIL, US
[72] GREINER, HELEN, US
[72] JEFFORDS, JASON, US
[72] JOHNSON, SAM, US
[72] MCCLURE, KEVIN MICHAEL, US
[72] SALAZAR, KIM, US
[72] SEBESTA, KENNETH D., US
[72] SHEIN, ANDREW M., US
[72] STOLL, PERRY, US
[72] WON, CHIKYUNG, US
[72] ZAPAROVANNY, ALEXEY, US
[73] TELEDYNE FLIR DETECTION, INC., US
[85] 2018-09-20
[86] 2017-03-24 (PCT/US2017/024152)
[87] (WO2017/165854)
[30] US (62/312,887) 2016-03-24
[30] US (62/315,873) 2016-03-31
[30] US (62/321,292) 2016-04-12
[30] US (62/420,548) 2016-11-10
[30] US (62/463,536) 2017-02-24

[11] **3,018,964**
[13] C
[51] **Int.Cl. G06T 11/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RECONSTRUCTING PROJECTION IMAGES FROM COMPUTED TOMOGRAPHY VOLUMES**
[54] **SYSTEMES ET PROCEDES POUR RECONSTRUIRE DES IMAGES DE PROJECTION A PARTIR DE VOLUMES DE TOMOGRAPHIE ASSISTEE PAR ORDINATEUR**
[72] SCHMITT, MICHAEL H., US
[73] LEIDOS SECURITY DETECTION & AUTOMATION, INC., US
[85] 2018-09-25
[86] 2017-03-21 (PCT/US2017/023362)
[87] (WO2017/165382)
[30] US (15/080,741) 2016-03-25

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[13] C
[51] **Int.Cl. A01N 31/04 (2006.01) A01N 31/16 (2006.01)**
[25] EN
[54] **BINARY COMPOSITIONS AS DISRUPTORS OF ORCO-MEDIATED ODORANT SENSING**
[54] **COMPOSITIONS BINAIRES UTILISEES COMME PERTURBATEURS DE DETECTION DE SUBSTANCES ODORANTES DEPENDANT DES RECEPTEURS ORCO**
[72] ZWIEBEL, LAURENCE J., US
[72] ROMAINE, IAN M., US
[72] OCHIENG, SAM, US
[72] WATERSON, ALEX GREGORY, US
[72] SULIKOWSKI, GARY A., US
[73] VANDERBILT UNIVERSITY, US
[85] 2018-09-25
[86] 2016-03-24 (PCT/US2016/024076)
[87] (WO2016/154471)
[30] US (62/138,348) 2015-03-25

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[13] C
[51] **Int.Cl. F16L 23/00 (2006.01) B25B 13/50 (2006.01) F16L 23/036 (2006.01) F16L 37/18 (2006.01)**
[25] EN
[54] **CAMLOCK**
[54] **VERROU DE CAME**
[72] COOPER, NEIL, GB
[73] GALL THOMSON ENVIRONMENTAL LIMITED, GB
[85] 2018-10-04
[86] 2017-04-06 (PCT/GB2017/050967)
[87] (WO2017/178798)
[30] GB (1606073.3) 2016-04-11

[11] **3,020,101**
[13] C
[51] **Int.Cl. H01M 8/0258 (2016.01) H01M 8/0202 (2016.01) H01M 4/04 (2006.01) H01M 4/74 (2006.01) H01M 6/48 (2006.01) H01M 12/04 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL CELLS HAVING DESIGNED FLOW FIELDS AND METHODS FOR PRODUCING THE SAME**
[54] **CELLULES ELECTROCHIMIQUES A CHAMPS D'ECOULEMENT CONCUS ET LEURS PROCEDES DE FABRICATION**
[72] MADDEN, THOMAS H., US
[72] BADRINARAYANAN, PARAVASTU, US
[72] WARRINGTON, CURTIS, US
[72] PURANAM, SRIVATSAVA, US
[73] LOCKHEED MARTIN ENERGY, LLC, US
[85] 2018-10-04
[86] 2016-04-27 (PCT/US2016/029600)
[87] (WO2017/176295)
[30] US (15/093,604) 2016-04-07

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[13] C
[51] **Int.Cl. F22B 1/12 (2006.01) D21C 1/02 (2006.01) F22D 1/18 (2006.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR GENERATING PROCESS STEAM**
[54] **PROCEDE ET AGENCEMENT POUR LA PRODUCTION DE VAPEUR DE TRAITEMENT**
[72] MUHLI, AKI, FI
[73] ANDRITZ OY, FI
[85] 2018-10-05
[86] 2017-04-19 (PCT/FI2017/050295)
[87] (WO2017/182713)
[30] FI (20165352) 2016-04-22

[11] **3,020,361**
[13] C
[51] **Int.Cl. C21C 5/46 (2006.01)**
[25] EN
[54] **BLOWING LANCE TIP**
[54] **NEZ DE LANCE DE SOUFFLAGE**
[72] THOMAS, JEAN-PHILIPPE, BE
[73] SOUDOBEAM SA, BE
[85] 2018-10-09
[86] 2017-04-13 (PCT/EP2017/058973)
[87] (WO2017/178606)
[30] BE (2016/5263) 2016-04-15

[11] **3,020,421**
[13] C
[51] **Int.Cl. B22F 3/105 (2006.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01)**
[25] EN
[54] **APPLYING ELECTRIC PULSES THROUGH A LASER INDUCED PLASMA CHANNEL FOR USE IN A 3-D METAL PRINTING PROCESS**
[54] **APPLICATION D'IMPULSIONS ELECTRIQUES PAR UN CANAL DE PLASMA INDUIT PAR LASER DESTINEE A UN PROCEDE D'IMPRESSION 3D SUR LE METAL**
[72] DARIAVACH, NADER, US
[72] WILLIAMS, NICHOLAS, US
[72] ENGELHARDT, MICHEL, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (3020421)
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[54] **PROTECTIVE TRAVEL GOLF BAG**
[54] **SAC DE GOLF DE VOYAGE DE PROTECTION**
[72] PAESANG, CHINAWUT PAUL, US
[72] NORTH, RICHARD RAY, US
[73] DICK'S SPORTING GOODS, INC., US
[85] 2018-10-15
[86] 2017-03-16 (PCT/US2017/022845)
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[25] EN
[54] **PYRAZOLOPYRIMIDINE COMPOUNDS, COMPOSITIONS COMPRISING THE SAME AND THEIR USE AS TYROSINE KINASE INHIBITORS**
[54] **COMPOSES DE PYRAZOLOPYRIMIDINE, COMPOSITIONS LES COMPRENANT ET LEUR UTILISATION COMME INHIBITEURS DE LA TYROSINE KINASE**
[72] UNCITI-BROCETA, ASIER, GB
[72] FRASER, CRAIG, GB
[72] O. CARRAGHER, NEIL, GB
[73] THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, GB
[85] 2018-10-18
[86] 2016-04-15 (PCT/GB2016/051057)
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[25] EN
[54] **NUCLEAR REACTOR, WITH CONTROL AND SHUTDOWN RODS EXTERNAL TO THE CORE AND TO ITS SUPPORTING STRUCTURES**
[54] **REACTEUR NUCLEAIRE A BARRES DE COMMANDE ET D'ARRET EXTERNES AU COEUR ET A SES STRUCTURES DE SUPPORT**
[72] CINOTTI, LUCIANO, IT
[73] HYDROMINE NUCLEAR ENERGY S.A.R.L., LU
[85] 2018-10-26
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[25] EN
[54] **COATING OF FUNCTIONAL PARTS MADE OF METAL**
[54] **REVETEMENT D'ELEMENTS FONCTIONNELS EN METAL**
[72] JIRASCHEK, STEFAN, AT
[72] KALSS, GEORG, AT
[72] HANSAL, SELMA, AT
[72] HANSAL, WOLFGANG, AT
[72] SANDULACHE, GABRIELA, AT
[73] HAAS FOOD EQUIPMENT GMBH, AT
[85] 2018-10-29
[86] 2017-05-04 (PCT/EP2017/060622)
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[25] EN
[54] **METALLIC MATRIX COMPOSITE WITH HIGH STRENGTH TITANIUM ALUMINIDE ALLOY MATRIX AND IN SITU FORMED ALUMINUM OXIDE REINFORCEMENT**
[54] **COMPOSITE A MATRICE METALLIQUE PRESENTANT UNE MATRICE EN ALLIAGE D'ALUMINURE DE TITANE A HAUTE RESISTANCE ET RENFORT D'OXYDE DE TITANE FORME IN SITU**
[72] HOLLOWAY, SCOTT RICHARD, CA
[73] PARKER LODGE HOLDINGS LLC, US
[85] 2018-11-02
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[54] **PARALLELISM AND N-TIERING OF KNOWLEDGE INFERENCE AND STATISTICAL CORRELATION SYSTEM**
[54] **PARALLELISME ET ETAGEMENT MULTINIVEAU D'INFERENCE DE CONNAISSANCE ET SYSTEME DE CORRELATION STATISTIQUE**
[72] LIM, ALBERT KENG LENG, SG
[73] CERTIS CISCO SECURITY PTE LTD, SG
[85] 2018-11-02
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[25] EN
[54] **METHOD AND DEVICE FOR MAKING WIRE BASKETS**
[54] **METHODE ET APPAREIL DE FABRICATION DE PANIERS EN FIL**
[72] POPA, LAURENTIU, CA
[73] NYP LLC, US
[86] (3023100)
[87] (3023100)
[22] 2018-11-05
[30] US (62/584,378) 2017-11-10

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[54] **AN IMPROVED REINFORCEMENT APPARATUS FOR REINFORCING A STRUCTURE COMPRISING A PIER AND A CROSS-BEAM**
[54] **APPAREIL DE RENFORCEMENT AMELIORE POUR RENFORCER UNE STRUCTURE COMPRENANT UN PILIER ET UNE TRAVERSE**
[72] COUSIN, BORIS, GB
[72] BOTTOMLEY, PAUL ARTHUR, GB
[73] SOLETANCHE FREYSSINET, FR
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[25] EN
[54] **DIAGNOSTIC TOOL FOR WELL ABANDONMENT TOOL**
[54] **OUTIL DE DIAGNOSTIC POUR UN OUTIL DE FERMETURE DE PUITS**
[72] KUNZ, DALE, CA
[73] WINTERHAWK WELL ABANDONMENT LTD., CA
[85] 2018-11-08
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[54] **METHOD FOR PREPARATION AND PURIFICATION OF CANNABINOID COMPOUNDS**
[54] **METHODE DE PREPARATION ET D'EPURATION DE COMPOSES DE CANNABINOIDE**
[72] ERFURT, HARRY, DE
[72] WEBER, MARIA, DE
[72] NIEMEYER, HANS-JURGEN, DE
[72] GOTZ, MARCUS RUDOLF, DE
[72] WINKLER, MATTHIAS, DE
[73] SYMRISE AG, DE
[85] 2018-11-09
[86] 2016-05-13 (PCT/EP2016/060905)
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[25] EN
[54] **JOINT, TERMINATION OR CROSS-CONNECTION ARRANGEMENT FOR A CABLE AND METHOD FOR PROVIDING A JOINT, TERMINATION OR CROSS-CONNECTION ARRANGEMENT**
[54] **AGENCEMENT DE RACCORDEMENT TRANSVERSAL, D'EXTREMITE OU DE RACCORD DE CABLE ET PROCEDE DE FOURNITURE D'UN AGENCEMENT DE RACCORDEMENT TRANSVERSAL, D'EXTREMITE OU DE RACCORD**
[72] EKHOLM, HENRIK, SE
[72] JADERBERG, JOHAN, SE
[73] NKT HV CABLES AB, SE
[85] 2018-11-13
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[25] EN
[54] **MODIFIED NANOCRYSTALINE CELLULOSE MATERIALS AND FORMULATIONS AND PRODUCTS MADE THEREFROM**
[54] **MATERIAUX DE CELLULOSE NANOCRISTALLINE MODIFIES ET FORMULATIONS ET PRODUITS FABRIQUES A PARTIR DE CEUX-CI**
[72] BEN SHALOM, TAL, IL
[72] SHOSEYOV, ODED, IL
[72] LAPIDOT, SHAUL, IL
[72] AZERRAF, CLARITE, IL
[72] NEVO, YUVAL, IL
[73] MELODEA LTD., IL
[73] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD, IL
[85] 2018-11-14
[86] 2017-05-16 (PCT/IL2017/050550)
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[30] US (62/337,014) 2016-05-16

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[51] **Int.Cl. B29C 65/74 (2006.01) B65D 30/04 (2006.01) B65D 30/08 (2006.01) B65D 30/10 (2006.01)**
[25] EN
[54] **COMPOSITE THERMOPLASTIC LINER**
[54] **REVETEMENT THERMOPLASTIQUE COMPOSITE**
[72] BODLEY, NICHOLAS, AU
[73] MTI GROUP PTY LTD, AU
[85] 2018-11-16
[86] 2016-11-30 (PCT/AU2016/051176)
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[51] **Int.Cl. G06Q 30/0601 (2023.01) G06Q 30/02 (2023.01)**
[25] EN
[54] **INFORMATION INTERACTION AND PROCESSING METHOD, AND TERMINAL AND SYTEM THEREFOR**
[54] **METHODE DE TRAITEMENT D'INTERACTION ET DE TRAITEMENT DE RENSEIGNEMENTS ET TERMINAL ET SYSTEME CONNEXES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-11-19
[86] 2015-06-30 (PCT/CN2015/082792)
[87] (WO2017/000192)

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[51] **Int.Cl. C10L 5/44 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FORMING A SOLID FUEL ELEMENT**
[54] **SYSTEME ET PROCEDE DE FORMATION D'UN ELEMENT COMBUSTIBLE SOLIDE**
[72] SMALL, JOHN MARK, CA
[72] BIRD, DOUGLAS ROBERT (DECEASED), GB
[72] BIRD, JAMES DOUGLAS, GB
[73] ERS FUEL INC., CA
[85] 2018-11-22
[86] 2017-05-26 (PCT/CA2017/050641)
[87] (WO2017/201628)
[30] US (62/341,798) 2016-05-26

[11] **3,025,249**
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[51] **Int.Cl. A47B 96/00 (2006.01) B64D 11/00 (2006.01) E05D 7/00 (2006.01) E06B 3/70 (2006.01)**
[25] EN
[54] **HINGED COMPOSITE SANDWICH PANELS**
[54] **PANNEAUX SANDWICH MIXTES A CHARNIERE**
[72] YOUNG, STEPHEN M., US
[72] TURNER, JASON, US
[72] SWANSON, KEVIN G., US
[72] EGGING, DUANE M., US
[73] THE BOEING COMPANY, US
[86] (3025249)
[87] (3025249)
[22] 2018-11-23
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[11] **3,025,331**
[13] C
[51] **Int.Cl. B22C 9/04 (2006.01)**
[25] FR
[54] **MOULD FOR MANUFACTURING A SINGLE-CRYSTAL BLADE BY CASTING, INSTALLATION AND METHOD OF MANUFACTURE IMPLEMENTING SAME**
[54] **MOULE POUR LA FABRICATION D'UNE AUBE MONOCRISTALLINE PAR FONDERIE, INSTALLATION ET PROCEDE DE FABRICATION LE METTANT EN OEUVRE**
[72] NIANE, NGADIA TAHA, FR
[72] BOUKERMA, SAID, FR
[72] DILLENSEGER, SERGE, FR
[72] GELEBART, JULIEN, FR
[72] GRANGE, DAVID, FR
[72] HANNY, JEAN-CLAUDE MARCEL AUGUSTE, FR
[72] METRON, PHILIPPE, FR
[73] SAFRAN, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2018-11-22
[86] 2017-06-01 (PCT/FR2017/051371)
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[25] EN
[54] **JVET CODING BLOCK STRUCTURE WITH ASYMMETRICAL PARTITIONING**
[54] **STRUCTURE DE BLOCS DE CODAGES JVET AVEC PARTITIONNEMENT ASYMETRIQUE**
[72] PANUSOPONE, KRIT, US
[72] WANG, LIMIN, US
[73] ARRIS ENTERPRISES LLC, US
[85] 2018-11-23
[86] 2017-05-25 (PCT/US2017/034467)
[87] (WO2017/205621)
[30] US (62/341,325) 2016-05-25
[30] US (15/605,150) 2017-05-25

[11] **3,025,573**
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[51] **Int.Cl. H04W 48/08 (2009.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION D'INFORMATIONS**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2018-11-26
[86] 2016-07-11 (PCT/CN2016/089636)
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[25] FR
[54] **METHOD FOR LIMITING CROSSTALK IN AN IMAGE SENSOR**
[54] **PROCEDE DE LIMITATION DE LA DIAPHONIE DANS UN CAPTEUR D'IMAGERIE**
[72] TISSERAND, STEPHANE, FR
[72] ROUX, LAURENT, FR
[72] HUBERT, MARC, FR
[72] SAUGET, VINCENT, FR
[72] FAIOLA, AURELIEN, FR
[73] SILIOS TECHNOLOGIES, FR
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[87] (WO2017/207881)
[30] FR (16/00872) 2016-05-30
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[13] C
[51] **Int.Cl. C07D 213/34 (2006.01)**
[25] EN
[54] **METHODS OF MANUFACTURING CERTAIN SUBSTITUTED SULFILIMINES**
[54] **PROCEDES DE PRODUCTION DE CERTAINES SULFILIMINES SUBSTITUEES**
[72] OLSON, KURT D., US
[72] SHINKLE, AARON A., US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2018-11-27
[86] 2017-06-16 (PCT/US2017/037826)
[87] (WO2017/222924)
[30] US (62/352,699) 2016-06-21

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[51] **Int.Cl. F04B 53/10 (2006.01) F04B 53/00 (2006.01) F04B 53/16 (2006.01)**
[25] EN
[54] **PUMP AND VALVE RETAINER ASSEMBLY**
[54] **POMPE ET ENSEMBLE DE RETENUE DE VANNE**
[72] ERWIN, JUSTIN WADE, US
[72] ROBINSON, CHRISTOPHER EUGENE, US
[72] SENECHAL, DANIEL ALAN, US
[73] NATIONAL OILWELL VARCO, L.P., US
[85] 2018-11-30
[86] 2016-05-31 (PCT/US2016/034968)
[87] (WO2017/209725)

[11] **3,026,321**
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[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/113 (2010.01) C07K 14/00 (2006.01) C07K 19/00 (2006.01) C12N 9/00 (2006.01) C12N 9/24 (2006.01) C12N 15/00 (2006.01) C12N 15/10 (2006.01) G01N 33/50 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **USING PROGRAMMABLE DNA BINDING PROTEINS TO ENHANCE TARGETED GENOME MODIFICATION**
[54] **UTILISATION DE PROTEINES DE LIAISON D'ADN PROGRAMMABLES POUR AMELIORER LA MODIFICATION CIBLEE DU GENOME**
[72] CHEN, FUQIANG, US
[73] SIGMA-ALDRICH CO. LLC, US
[85] 2018-11-30
[86] 2017-02-20 (PCT/US2017/018589)
[87] (WO2017/209809)
[30] US (62/344,858) 2016-06-02
[30] US (62/358,415) 2016-07-05

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[51] **Int.Cl. A61K 8/34 (2006.01) A61Q 17/04 (2006.01) A61Q 19/02 (2006.01)**
[25] EN
[54] **MEDICAMENT AND COSMETIC COMPOSITION COMPRISING RESORCINOL DERIVATIVES**
[54] **MEDICAMENT ET COMPOSITION COSMETIQUE COMPRENANT DES DERIVES DE RESORCINOL**
[72] LE MAIRE, MARIELLE, FR
[72] MEYER, IMKE, DE
[72] VIELHABER, GABRIELE, FR
[72] SCHMAUS, GERHARD, DE
[73] SYMRISE AG, DE
[85] 2018-12-05
[86] 2016-06-30 (PCT/EP2016/065329)
[87] (WO2018/001485)

[11] **3,026,776**
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[51] **Int.Cl. B65B 69/00 (2006.01)**
[25] EN
[54] **DECANTING DEVICE**
[54] **DISPOSITIF DE REMPLISSAGE**
[72] MAYRPETER, JOHANNES, AT
[72] OBERMAYR, NORBERT, AT
[73] OMP TRADE GMBH, AT
[85] 2018-12-06
[86] 2017-07-11 (PCT/AT2017/060173)
[87] (WO2018/009952)
[30] AT (A 50617/2016) 2016-07-12
[30] AT (A 50155/2017) 2017-02-27

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[25] EN
[54] **PROCESS FOR PRODUCING EXPANDABLE POLYLACTIC ACID-CONTAINING PELLETS**
[54] **PROCEDE DE PREPARATION DE GRANULATS EXPANSIBLES CONTENANT DE L'ACIDE POLYLACTIQUE**
[72] SAMPATH, BANGARU DHARMAPURI SRIRAMULU, DE
[72] LOHMANN, JEROME, FR
[72] GUTMANN, PETER, DE
[73] BASF SE, DE
[85] 2018-12-06
[86] 2017-06-01 (PCT/EP2017/063243)
[87] (WO2017/211660)
[30] EP (16173236.7) 2016-06-07

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[51] **Int.Cl. F16P 1/00 (2006.01) B66F 9/075 (2006.01) B66F 17/00 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **USE OF ELECTRONIC BADGES IN AISLE PASSING MANEUVERS**
[54] **UTILISATION DE BADGES ELECTRONIQUES DANS DES MANOEUVRES DE PASSAGE DANS UNE TRAVEE**
[72] BUCHMANN, JUERGEN, US
[72] MANCI, LEWIS H., US
[72] SIMON, ANDREAS, US
[72] SICK, SEBASTIAN, US
[73] CROWN EQUIPMENT CORPORATION, US
[85] 2018-12-06
[86] 2017-06-23 (PCT/US2017/038969)
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[30] US (62/354,235) 2016-06-24

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[13] C
[51] **Int.Cl. A61B 5/145 (2006.01) G06Q 50/22 (2018.01) A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TRACKING CHANGES IN AVERAGE GLYCEMIA IN DIABETICS**
[54] **SYSTEME ET PROCEDE DE SUIVI DES CHANGEMENTS DE GLYCEMIE MOYENNE CHEZ DES DIABETIQUES**
[72] KOVATCHEV, BORIS P., US
[72] BRETON, MARC D., US
[73] UNIVERSITY OF VIRGINIA PATENT FOUNDATION, US
[85] 2018-12-07
[86] 2016-06-08 (PCT/US2016/036481)
[87] (WO2016/200970)
[30] US (62/172,522) 2015-06-08

[11] **3,027,404**
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[51] **Int.Cl. C02F 5/08 (2006.01) C02F 1/28 (2006.01) C02F 5/14 (2006.01)**
[25] EN
[54] **ANTI-SCALING COMPOSITION FOR WATER SYSTEMS**
[54] **COMPOSITION ANTITARTRE DESTINEE A DES SYSTEMES D'EAU**
[72] XIN, MEI, US
[72] BARRON, WILLIAM K., US
[72] WRUBLE, TIMOTHY, US
[73] NORIT AMERICAS, INC., US
[86] (3027404)
[87] (3027404)
[22] 2018-12-12
[30] US (62/609,859) 2017-12-22

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[13] C
[51] **Int.Cl. G01N 21/35 (2014.01) G01N 21/94 (2006.01)**
[25] EN
[54] **A METHOD FOR MEASURING THE CONCENTRATION OF A CHEMICAL SPECIES USING A REAGENT BASELINE**
[54] **PROCEDE DE MESURE DE LA CONCENTRATION D'UNE ESPECE CHIMIQUE A L'AIDE D'UNE REFERENCE DE REACTIF**
[72] CHUNG, RUSSELL, US
[72] CHAVDA, HIRAK T., US
[72] XIAO, GUOLIANG, US
[73] MYRON L COMPANY, US
[85] 2018-12-14
[86] 2017-06-17 (PCT/US2017/038050)
[87] (WO2017/219008)
[30] US (62/351,671) 2016-06-17

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[51] **Int.Cl. H04W 68/02 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD OF REBROADCASTING MESSAGES FOR RELIABLE VEHICULAR COMMUNICATIONS**
[54] **SYSTEME ET PROCEDE DE REDIFFUSION DE MESSAGES, POUR DES COMMUNICATIONS VEHICULAIRES FIABLES**
[72] ZHUANG, WEIHUA, CA
[72] BHARATI, SAILESH, CA
[72] OMAR, HASSAN ABOUBAKR, CA
[73] ZHUANG, WEIHUA, CA
[73] BHARATI, SAILESH, CA
[73] OMAR, HASSAN ABOUBAKR, CA
[85] 2018-12-20
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[30] US (62/493,224) 2016-06-27

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[25] EN
[54] **MAGNETIC AMMUNITION FOR AIR GUNS AND BIODEGRADABLE MAGNETIC AMMUNITION FOR AIRGUNS**
[54] **MUNITION MAGNETIQUE POUR ARMES A AIR COMPRIME ET MUNITION MAGNETIQUE BIODEGRADABLE POUR ARMES A AIR COMPRIME**
[72] MARSHALL, JAMES NICHOLAS, US
[73] MARSHALL, JAMES NICHOLAS, US
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[54] **AGENTS RADIOHALOGENES POUR VACCINATION CONTRE LE CANCER IMMUNOMODULEE IN SITU**
[72] WEICHERT, JAMEY, US
[72] SONDEL, PAUL M., US
[72] PINCHUK, ANATOLY, US
[72] MORRIS, ZACHARY, US
[72] OTTO, MARIO, US
[72] BEDNARZ, BRYAN, US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[54] **HAND-CARRIED HYDRATION BLADDER**
[54] **VESSIE D'HYDRATATION A MAIN**
[72] KARL, ADAM PETER, IV, US
[72] LANZA, BENJAMIN CASEY, US
[72] FRAZIER, JAMES CREATH, US
[72] FISHKIN, BRADLEY PHILIP, US
[72] PIOTROWSKI, FAITH LEANN, US
[73] SHOCK DOCTOR, INC., US
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[54] **HYDRATION BLADDER INCLUDING LIQUID MOVEMENT-REDUCING FEATURES**
[54] **VESSIE D'HYDRATATION COMPRENANT DES ELEMENTS REDUISANT LE MOUVEMENT DU LIQUIDE**
[72] KARL, ADAM PETER, IV, US
[72] LANZA, BENJAMIN CASEY, US
[72] FRAZIER, JAMES CREATH, US
[72] FISHKIN, BRADLEY PHILIP, US
[72] PIOTROWSKI, FAITH LEANN, US
[73] SHOCK DOCTOR, INC., US
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[54] **KNEE BRACE DEVICES, SYSTEMS AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'ATTELLE DE GENOU**
[72] BEST, WILLIAM, US
[72] PETELLE, THIERRY, CA
[72] JOURDE, BASTIEN, CA
[73] SHOCK DOCTOR, INC., US
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[54] **ANKLE BRACE DEVICES, SYSTEMS AND METHODS**
[54] **DISPOSITIFS D'ATTELLE DE CHEVILLE, SYSTEMES ET PROCEDES**
[72] BEST, WILLIAM, US
[72] PETELLE, THIERRY, CA
[72] JOURDE, BASTIEN, CA
[73] SHOCK DOCTOR, INC., US
[85] 2019-01-23
[86] 2016-06-03 (PCT/US2016/035853)
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[54] **MEASURING VISUAL ACUITY OF A CLIENT**
[54] **MESURE DE L'ACUITE VISUELLE D'UN CLIENT.**
[72] ERDEI, GABOR, HU
[72] FULEP, CSILLA, HU
[73] MEDICONTUR MEDICAL ENGINEERING LTD., HU
[85] 2019-01-28
[86] 2016-07-29 (PCT/HU2016/000050)
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[54] **TECHNIQUES FOR BENCHMARKING PAIRING STRATEGIES IN A CONTACT CENTER SYSTEM**
[54] **TECHNIQUES DE REFERENCIATION DE STRATEGIES DE CORRESPONDANCE DANS UN SYSTEME DE CENTRE D'APPELS**
[72] RIZVI, SYED MEESUM RAZA, PK
[73] AFINITI, LTD., BM
[85] 2019-01-30
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[25] EN
[54] **LOCALIZATION PLATFORM THAT LEVERAGES PREVIOUSLY TRANSLATED CONTENT**
[54] **PLATE-FORME DE LOCALISATION QUI EXPLOITE UN CONTENU PRECEDEMMENT TRADUIT**
[72] BIHANI, BALLAV, US
[72] SUNDARAM, VIDYALAKSHMI VILATHUR, US
[72] BHATTACHARYYA, PROSENJIT, US
[72] MORENO, JOSE, US
[72] MATHADA, SHASHIDHARA, US
[73] NETFLIX, INC., US
[85] 2019-01-30
[86] 2017-08-01 (PCT/US2017/044991)
[87] (WO2018/031306)
[30] US (15/231,725) 2016-08-08

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[54] **METHOD OF SANITIZING A SURFACE**
[54] **PROCEDE DE DESINFECTION D'UNE SURFACE**
[72] FERGUSON, RICHARD H., US
[72] KAREIS, CHRISTOPHER M., US
[72] STANFORD, WALTER NEAL, US
[72] ALLEN, MICHAEL EUGENE, US
[73] EAGLE US 2 LLC, US
[73] SOUTHEASTERN SYSTEMS, INC., US
[85] 2019-02-13
[86] 2017-08-18 (PCT/US2017/047478)
[87] (WO2018/039050)
[30] US (62/379,305) 2016-08-25
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[54] **MINING MACHINE WITH ARTICULATING BOOM AND INDEPENDENT MATERIAL HANDLING SYSTEM**
[54] **HAVEUSE AVEC FLECHE ARTICULEE ET SYSTEME INDEPENDANT DE MANIPULATION DE MATERIAU**
[72] DAHER, NAGY, AU
[72] BOYD, RICHARD, AU
[72] BAGNALL, EDWARD, AU
[72] REEVES, STUART, AU
[73] JOY GLOBAL UNDERGROUND MINING LLC, US
[85] 2019-02-13
[86] 2017-08-18 (PCT/US2017/047539)
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[54] **METHODS AND SYSTEMS FOR DETERMINING THE PRESENCE OF A MOLECULE IN A SAMPLE AND METHOD AND SYSTEM FOR DETERMINING A RANGE-RESOLVED CONCENTRATION OF A MOLECULE IN A SCENE**
[54] **PROCEDES ET SYSTEMES POUR DETERMINER LA PRESENCE D'UNE MOLECULE DANS UN ECHANTILLON ET PROCEDE ET SYSTEME POUR DETERMINER UNE CONCENTRATION A RESOLUTION SPATIALE D'UNE MOLECULE DA NS UNE SCENE**
[72] BABIN, FRANCOIS, CA
[73] INSTITUT NATIONAL D'OPTIQUE, CA
[85] 2019-02-14
[86] 2017-08-18 (PCT/CA2017/050980)
[87] (WO2018/035603)
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[25] EN
[54] **AIRCRAFT ACOUSTIC POSITION AND ORIENTATION DETECTION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE DETECTION D'ORIENTATION ET DE POSITION ACOUSTIQUE D'AERONEF**
[72] PACE, NICHOLAS G., CA
[72] GUIGNE, JACQUES, CA
[73] INTELLIGENT SCIENCES LTD., CA
[85] 2019-02-15
[86] 2016-08-25 (PCT/CA2016/050999)
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[25] EN
[54] **ELECTRICAL DATA PROCESSING SYSTEM FOR DETERMINING A NAVIGATION ROUTE BASED ON THE LOCATION OF A VEHICLE AND GENERATING A RECOMMENDATION FOR A VEHICLE MANEUVER**
[54] **SYSTEME ELECTRIQUE DE TRAITEMENT DE DONNEES PERMETTANT DE DETERMINER UN ITINERAIRE DE NAVIGATION SUR LA BASE DE L'EMPLACEMENT D'UN VEHICULE ET DE GENERER UNE RECOMMANDATION D'UNE MANOEUVRE DE VEHICULE**
[72] MADIGAN, REGINA, US
[72] GIBSON, TIMOTHY W., US
[72] HAYES, HOWARD, US
[72] KUMAR, SURENDER, US
[73] ALLSTATE INSURANCE COMPANY, US
[85] 2019-02-19
[86] 2017-08-28 (PCT/US2017/048882)
[87] (WO2018/044785)
[30] US (15/249,597) 2016-08-29
[30] US (15/249,556) 2016-08-29
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[25] EN
[54] **END PIECE FOR A SUNSHADE'S EDGE RAIL AND SUNSHADE**
[54] **PIECE D'EXTREMITE DE RAIL DE BORD DE PARE-SOLEIL ET PARE-SOLEIL**
[72] HAAPALAHTI, TEUVO, FI
[73] SUOMEN VISOR OY, FI
[86] (3035030)
[87] (3035030)
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[54] **VAPOR MITIGATION APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D`ATTENUATION DE LA VAPEUR**
[72] NOWAK, DAVE, CA
[73] NOWAK, DAVE, CA
[86] (3035179)
[87] (3035179)
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[30] US (16288034) 2019-02-27

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[25] EN
[54] **APPARATUS AND METHODS FOR MAKING AZIMUTHAL RESISTIVITY MEASUREMENTS WITH OFF-SET DIRECTIONAL ANTENNAS**
[54] **APPAREIL ET PROCEDES DE REALISATION DE MESURES DE RESISTIVITE AZIMUTALE A L'AIDE D'ANTENNES DIRECTIONNELLES DECALEES**
[72] WANG, TSILI, US
[73] WELL RESOLUTIONS TECHNOLOGY, US
[85] 2019-03-08
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[25] EN
[54] **AMELIORATION OF NEURAL DEFICITS ASSOCIATED WITH DIABETES**
[54] **AMELIORATION DE DEFICITS NEURONAUX ASSOCIES AU DIABETE**
[72] JOHE, KARL K., US
[73] NEURALSTEM, INC., US
[85] 2019-03-11
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[54] **SIDE RECTIFIER COLUMN FOR OLEFIN AND DILUENT RECOVERY**
[54] **COLONNE DE RECTIFICATION LATERALE POUR RECUPERATION D'OLEFINE ET DE DILUANT**
[72] CURREN, JOSEPH A., US
[72] ROMIG, RALPH, US
[72] LOH, JI XIAN, US
[72] ODI, TIMOTHY O., US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2019-03-12
[86] 2017-09-06 (PCT/US2017/050230)
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[30] US (15/264,008) 2016-09-13

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[51] **Int.Cl. H10N 60/01 (2023.01) G06N 10/40 (2022.01) H10N 60/81 (2023.01)**
[25] EN
[54] **REDUCING DISSIPATION AND FREQUENCY NOISE IN QUANTUM DEVICES USING A LOCAL VACUUM CAVITY**
[54] **REDUCTION DE DISSIPATION ET DE BRUIT DE FREQUENCE DANS DES DISPOSITIFS QUANTIQUES A L'AIDE D'UNE CAVITE A VIDE LOCAL**
[72] MEGRANT, ANTHONY EDWARD, US
[73] GOOGLE LLC, US
[85] 2019-03-14
[86] 2016-09-14 (PCT/US2016/051703)
[87] (WO2018/052414)

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[25] EN
[54] **FORMULATION OF ELASTOMER COPOLYMER AND BLOCK COPOLYMER**
[54] **FORMULATION DE COPOLYMERE ELASTOMERE ET COPOLYMERE SEQUENCE**
[72] TALREJA, MANISH, US
[72] COGEN, JEFFREY M., US
[72] YU, HAIYANG, CN
[72] MUNRO, JEFFREY C., US
[72] MADENJIAN, LISA S., US
[72] GILL, SUSAN R., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2019-03-22
[86] 2016-09-28 (PCT/CN2016/100466)
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[25] EN
[54] **APPARATUS FOR TISSUE REMOVAL**
[54] **APPAREIL D'ELIMINATION DE TISSU**
[72] LAVI, GILAD, IL
[72] GLOVINSKY, YOSEPH, IL
[72] SHMUKLER, VADIM, IL
[72] ISRAELI, NIR, IL
[73] SANOCULIS LTD., IL
[73] TEL HASHOMER MEDICAL RESEARCH INFRASTRUCTURE AND SERVICES LTD., IL
[85] 2019-03-22
[86] 2016-09-27 (PCT/IL2016/051063)
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[25] EN
[54] **BEVERAGE OR FOOD CARTRIDGE RECEPTACLE WITH FASTENING AND/OR SECURING RING**
[54] **RECEPTACLE DE CARTOUCHE DE BREUVAGE OU D'ALIMENT AYANT UNE BAGUE D'ATTACHE ET/OU DE FIXATION**
[72] KRUGER, MARC, DE
[72] EMPL, GUNTER, DE
[72] FISCHER, DANIEL, CH
[73] FREEZIO AG, CH
[86] (3038406)
[87] (3038406)
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[62] 3,011,078
[30] DE (10 2016 200 254.6) 2016-01-12
[30] DE (10 2016 212 012.3) 2016-07-01
[30] DE (10 2016 212 013.1) 2016-07-01
[30] DE (10 2016 218 507.1) 2016-09-27
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[25] EN
[54] **SYSTEM, CARTRIDGE, AND BEVERAGE PREPARATION UNIT WITH FORM-FITTING ELEMENT**
[54] **SYSTEME, CARTOUCHE ET UNITE DE PREPARATION DE BREUVAGES COMPORTANT UN ELEMENT AJUSTE**
[72] KRUGER, MARC, DE
[72] EMPL, GUNTER, DE
[72] FISCHER, DANIEL, CH
[73] FREEZIO AG, CH
[86] (3038409)
[87] (3038409)
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[25] EN
[54] **ROBOTIC PROCESSING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT ROBOTIQUE**
[72] LINDBO, LARS SVERKER TURE, GB
[72] CLARKE, PAUL, GB
[72] HEIDEMAN, PAUL, GB
[73] OCADO INNOVATION LIMITED, GB
[85] 2019-03-28
[86] 2017-09-29 (PCT/EP2017/074913)
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[30] GB (1616559.9) 2016-09-29

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[25] EN
[54] **VARIABLE BAND FOR THERMOELECTRIC MODULES**
[54] **BANDE VARIABLE POUR MODULES THERMOELECTRIQUES**
[72] MOCZYGEMBA, JOSHUA E., US
[73] II-VI DELAWARE, INC., US
[85] 2019-04-03
[86] 2017-10-05 (PCT/US2017/055310)
[87] (WO2018/067799)
[30] US (62/405,618) 2016-10-07

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[25] EN
[54] **MULTIFUNCTIONAL ZWITTERIONIC POLYMER CONJUGATES**
[54] **CONJUGUES POLYMERES ZWITTERIONIQUES MULTIFONCTIONNELS**
[72] CHARLES, STEPHEN A., US
[72] PERLROTH, VICTOR D., US
[72] CLIZBE, LANE A., US
[72] BENOIT, DIDIER G., US
[72] TO, WAYNE, US
[73] KODIAK SCIENCES INC., US
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[25] EN
[54] **SYSTEM AND METHOD FOR TREATMENT OF WASTEWATER VIA ENHANCED ELECTROFLOTATION**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'EAUX USEES PAR ELECTROFLOTTATION AMELIOREE**
[72] CASBEER, DANA, US
[72] BARIYA, RUBIN, US
[72] PATEL, SEHUL, US
[72] MATOUSEK, RUDOLF, US
[72] REEVES, THOMAS, US
[73] INDUSTRIE DE NORA S.P.A., IT
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[25] EN
[54] **CAR SEAT WITH BELT GUIDE**
[54] **SIEGE D'AUTO EQUIPE D'UN GUIDE-CEINTURE**
[72] SELLERS, GREGORY, US
[72] HARTENSTINE, CURTIS M., US
[73] WONDERLAND SWITZERLAND AG, CH
[86] (3040510)
[87] (3040510)
[22] 2019-04-17
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[25] EN
[54] **TREATMENT OF HYDROGEN SULFIDE GAS UNDER AEROBIC CONDITIONS**
[54] **TRAITEMENT DE SULFURE D'HYDROGENE GAZEUX DANS DES CONDITIONS AEROBIES**
[72] COX, HENRY WILMORE, JR., US
[73] BIOSYSTEMS CONSULTING, INC. DBA ADVANCED OXIDATION TECHNOLOGY, US
[85] 2019-04-15
[86] 2017-10-12 (PCT/US2017/056243)
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[30] US (62/408,253) 2016-10-14

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[54] **CONTROLLER FOR ESTABLISHING PERSONALIZED VIDEO CHANNELS**
[54] **CONTROLEUR POUR ETABLIR DES CANAUX VIDEO PERSONNALISES**
[72] MILFORD, MATTHEW A., US
[73] ARRIS ENTERPRISES LLC, US
[86] (3041758)
[87] (3041758)
[22] 2019-04-30
[30] US (62/665,821) 2018-05-02

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[25] EN
[54] **TAU-PROTEIN TARGETING PROTACS AND ASSOCIATED METHODS OF USE**
[54] **PROTACS CIBLANT LA PROTEINE TAU ET METHODES D'UTILISATION ASSOCIEES**
[72] CREW, ANDREW P., US
[72] BERLIN, MICHAEL, US
[72] FLANAGAN, JOHN J., US
[72] DONG, HANQING, US
[72] ISHCHENKO, ALEXEY, US
[73] ARVINAS, INC., US
[85] 2019-04-29
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[54] **REFINING METHOD FOR HIGHLY (POLY)AROMATIC AND NITROGENATED CHARGES**
[54] **PROCEDE DE TRAITEMENT DE CHARGE HAUTEMENT (POLY)AROMATIQUE ET AZOTEE**
[72] DE ARAUJO MONTEIRO, CARLOS ALBERTO, BR
[72] SILVA BELATO, DONIZETI AURELIO, BR
[72] DUNCAN LIMA, JORGE ROBERTO, BR
[72] BARCELLOS DA ROCHA MONTEIRO, DENISE, BR
[72] ZOTIN, JOSE LUIZ, BR
[73] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
[85] 2019-05-08
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[25] EN
[54] **CONTINUOUS FABRICATION FOR COMPOSITE PREFORMS**
[54] **FABRICATION EN CONTINU DE PREFORMES COMPOSITES**
[72] BOLD, JENS, US
[73] THE BOEING COMPANY, US
[86] (3044125)
[87] (3044125)
[22] 2019-05-23
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[54] **FLOOR SQUEEGEE**
[54] **RACLETTE DE SOL**
[72] MITCHELL, JACK A., CA
[73] PRO PAINT GEAR INC., CA
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[25] EN
[54] **LIPID FORMULATIONS OF CARMUSTINE**
[54] **FORMULATIONS LIPIDIQUES DE CARMUSTINE**
[72] GONDALIYA, DEEPAK PRAGJIBHAI, IN
[72] PATEL, HIREN PRAVINBHAI, IN
[72] CHUDASAMA, ARPAN SURESH, IN
[72] PATEL, NEHA MANUBHAI, IN
[72] GURJAR, MUKUND KESHAV, IN
[73] EMCURE PHARMACEUTICALS LIMITED, IN
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[25] EN
[54] **PROCESSING FUTURE-DATED RESOURCE RESERVATIONS REQUESTS**
[54] **TRAITEMENT DE DEMANDES DE RESERVATION DE RESSOURCES POSTDATEES**
[72] KADE, CARLOS ALEJANDRO, CA
[72] MORISSETTE, ANNE MARIE, CA
[72] KUMAR, VIJAY, CA
[72] BANDIERA, CAROLINE, CA
[72] COE, ADRIANN TERESA, CA
[73] THE TORONTO-DOMINION BANK, CA
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[25] EN
[54] **COLLISION-AVOIDANCE SYSTEM AND METHOD FOR UNMANNED AIRCRAFT**
[54] **SYSTEME ET PROCEDE D'EVITEMENT DE COLLISION POUR AERONEF SANS PILOTE**
[72] KUNZI, FABRICE, US
[72] KEHLENBECK, ANDREW, US
[72] ROGERS, DONALD, US
[72] SARDONINI, MICHAEL, US
[72] SCOTT, EDWARD, US
[73] AURORA FLIGHT SCIENCES CORPORATION, US
[85] 2019-05-28
[86] 2018-01-05 (PCT/US2018/012588)
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[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING FOR THE PROCESSING OF OBJECTS IN VEHICLES**
[54] **SYSTEMES ET PROCEDES POUR PERMETTRE LE TRAITEMENT D'OBJETS DANS DES VEHICULES**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] GEYER, CHRISTOPHER, US
[72] KOLETSCHKA, THOMAS, US
[72] MASON, MATTHEW T., US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[72] MARONEY, KYLE, US
[73] BERKSHIRE GREY OPERATING COMPANY, INC., US
[85] 2019-05-29
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[25] EN
[54] **INTEGRATED CASTING CORE-SHELL STRUCTURE**
[54] **STRUCTURE DE NOYAU-ENVELOPPE DE COULEE INTEGREE**
[72] DEINES, JAMES HERBERT, US
[72] PRZESLAWSKI, BRIAN DAVID, US
[72] MCCARREN, MICHAEL JOHN, US
[72] KONITZER, DOUGLAS GERARD, US
[72] MARUSKO, MARK WILLARD, US
[72] YANG, XI, US
[73] GENERAL ELECTRIC COMPANY, US
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[25] EN
[54] **SYSTEMS AND METHODS FOR MODELING AUDIENCE STABILITY OF A MEDIA ASSET SERIES**
[54] **SYSTEMES ET PROCEDES DE MODELISATION DE STABILITE D'AUDIENCES D'UNE SERIE D'ACTIFS MULTIMEDIAS**
[72] STATHACOPOULOS, PAUL, US
[72] MAUGHAN, BENJAMIN H., US
[72] MATTHEWS, SEAN, US
[73] ROVI GUIDES, INC., US
[85] 2019-06-14
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[54] **MANUFACTURE OF ABSORBENT PAPER WITH LOW CHARGE DENSITY IMIDAZOLINIUM CONTAINING DEBONDER COMPOSITIONS**
[54] **FABRICATION DE PAPIER ABSORBANT AVEC UNE COMPOSITION DE DELIEUR CONTENANT DE L'IMIDAZOLINIUM A FAIBLE DENSITE DE CHARGE**
[72] CHEN, YU, US
[72] HOLTMAN, KEVIN M., US
[72] HAMMES, BRIAN S., US
[72] BOETTCHER, JEFFERY J., US
[73] GPCP IP HOLDINGS LLC, US
[85] 2019-06-14
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[25] EN
[54] **TRANSMISSION METHOD, NETWORK DEVICE, AND TERMINAL**
[54] **PROCEDE DE TRANSMISSION, DISPOSITIF DE RESEAU, ET TERMINAL**
[72] LIU, JIANQIN, CN
[72] ZHANG, DI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-06-18
[86] 2018-06-15 (PCT/CN2018/091508)
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[25] EN
[54] **LIQUID FUEL CPOX REFORMER AND FUEL CELL SYSTEMS, AND METHODS OF PRODUCING ELECTRICITY**
[54] **REFORMEUR CPOX DE COMBUSTIBLE LIQUIDE ET SYSTEMES DE PILES A COMBUSTIBLE, ET PROCEDES DE PRODUCTION D'ELECTRICITE**
[72] DEWALD, PAUL, US
[72] FINNERTY, CAINE M., US
[73] WATT FUEL CELL CORP, US
[86] (3048570)
[87] (3048570)
[22] 2014-11-05
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[25] EN
[54] **GAS-WIND TURBINE ENGINE**
[54] **MOTEUR A TURBINE A GAZ/EOLIENNE**
[72] SMITH, MIKE RICHARD JOHN, CA
[73] SMITH, MIKE RICHARD JOHN, CA
[86] (3048823)
[87] (3048823)
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[25] EN
[54] **ROUND AND SMALL DIAMETER OPTICAL CABLES WITH A RIBBON-LIKE OPTICAL FIBER STRUCTURE**
[54] **CABLES OPTIQUES DE PETIT DIAMETRE ET RONDS AYANT UNE STRUCTURE DE FIBRES OPTIQUES DE TYPE RUBAN**
[72] CIGNARALE, JOSEPH, US
[72] BAKER, DOUG, US
[72] HASHIMOTO, YOSHIO, US
[72] OSATO, KEN, JP
[73] AFL TELECOMMUNICATIONS LLC, US
[73] FUJIKURA LTD., JP
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[87] (3048873)
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[25] EN
[54] **TEXTURED WORKPIECE AND METHOD FOR TEXTURING A WORKPIECE**
[54] **PIECE TEXTUREE ET PROCEDE DE TEXTURATION D'UNE PIECE**
[72] ARBESMAN, RAY, CA
[73] GRIPMETAL LIMITED, IE
[85] 2019-06-28
[86] 2018-01-26 (PCT/IB2018/050496)
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[54] **LANDING GEAR SHRINK LINK MECHANISM**
[54] **MECANISME DE RETRACTION D`UN TRAIN D`ATTERRISSAGE**
[72] ALLEY, CHRISTOPHER M., US
[72] CAMPBELL, LEANNE M., US
[72] DEFRANCISCI, GABRIELA K., US
[72] VERING, GREGORY J., US
[72] KNOCK, AARON P., US
[72] MELLOR, MITCHELL, US
[72] COTTET, JUSTIN D., US
[73] THE BOEING COMPANY, US
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[54] **COMMUNICATION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE DE COMMUNICATION, AINSI QUE DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU METTANT EN OEUVRE CELUI-CI**
[72] WANG, TINGTING, CN
[72] ZENG, QINGHAI, CN
[72] GUO, YI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-07-04
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[87] (WO2018/126972)
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[54] **LOW-NOISE, HIGH ROTOR POLE SWITCHED RELUCTANCE MOTOR**
[54] **MOTEUR A RELUCTANCE COMMUTEE A GRAND NOMBRE DE POLES DE ROTOR ET A FAIBLE BRUIT**
[72] KRISHNAMURTHY, MAHESH, US
[72] CREARY, TREVOR, US
[72] JOHNSTON, MARK, US
[72] DESAI, PIYUSH, US
[73] TURNTIDE TECHNOLOGIES INC., US
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[54] **USE OF PRIDOPIDINE FOR THE TREATMENT OF FRAGILE X SYNDROME**
[54] **UTILISATION DE PRIDOPIDINE POUR TRAITER LE SYNDROME DE L'X FRAGILE**
[72] HAYDEN, MICHAEL, IL
[72] POULADI, MAHMOUD ABDULHOSSEIN, SG
[73] PRILENIA NEUROTHERAPEUTICS LTD., IL
[73] NATIONAL UNIVERSITY OF SINGAPORE, SG
[73] AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH, SG
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[54] **IMPROVEMENTS IN STIRRED BEAD GRINDING MILLS**
[54] **PERFECTIONNEMENTS APPORTES A DES BROYEURS A BILLES AGITEES**
[72] BELKE, JEFF, AU
[72] HEATH, ALEX, AU
[72] JAMIESON, EDWARD ALLAN, AU
[73] SWISS TOWER MILLS MINERALS AG, CH
[73] METSO OUTOTEC FINLAND OY, FI
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[54] **NICOTINE-CONTAINING TRANSPARENT TRANSDERMAL THERAPEUTIC SYSTEM**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE TRANSPARENT CONTENANT DE LA NICOTINE**
[72] HILLE, THOMAS, DE
[72] WAUER, GABRIEL, DE
[72] BOTZEM, PETRA, DE
[72] SEIBERTZ, FRANK, DE
[73] LTS LOHMANN THERAPIE-SYSTEME AG, DE
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[54] **REDUCTION DES OSCILLATIONS DANS UN AMPLIFICATEUR DE SIGNAL**
[72] ASHWORTH, CHRISTOPHER KEN, US
[72] ZOLTAN, MIKLOS, US
[72] COOK, PATRICK LEE, US
[73] WILSON ELECTRONICS, LLC, US
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[54] **REACTEUR NUCLEAIRE INTEGRANT UN ECHANGEUR DE CHALEUR PRIMAIRE DE SECURITE**
[72] CANDILLIER, LAURENT, FR
[72] COSTANTINI, FREDERIC, FR
[72] FELZIERE, MICHEL, FR
[72] DEMAS, LORRAIN, FR
[73] SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE, FR
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[54] **MECANISME D`ASSISTANCE D`AERATEUR DE FENETRE POUR ENSEMBLE DEFLECTEUR D`AIR**
[72] MILLIGAN, PATRICK E., US
[72] BAGLIO, ANDREW, US
[72] SERFASS, NATHAN C., US
[72] MCINNIS, JAMES M., US
[73] CALDWELL MANUFACTURING COMPANY NORTH AMERICA, LLC, US
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[54] **AUTOMATED TARPING DEVICE AND SYSTEM**
[54] **APPAREIL ET SYSTEME AUTOMATISES DE BACHAGE**
[72] CLANCY, GERALD WAYNE, CA
[72] JUAN, ALEJANDRO JOSE, CA
[72] VERSTEEG, RICHARD JOHANNES ROBERT, CA
[72] BRADWELL, STEVEN DONALD, CA
[73] VALID MANUFACTURING LTD., CA
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[51] **Int.Cl. G01N 21/45 (2006.01) G01N 21/3586 (2014.01) G01N 21/65 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR MEASURING CHANGES IN THE POLARIZATION RESPONSE OF A SAMPLE BY TIME-DOMAIN INFRARED SPECTROSCOPY (FIELD-RESOLVED VIBRATIONAL SPECTROSCOPY)**
[54] **PROCEDES ET DISPOSITIFS DE MESURE DE CHANGEMENTS DE LA REPONSE DE POLARISATION D'UN ECHANTILLON PAR SPECTROSCOPIE INFRAROUGE A DOMAINE TEMPOREL (SPECTROSCOPIE VIBRATIONNELLE A RES OLUTION DE CHAMP)**
[72] KRAUSZ, FERENC, DE
[72] FATTAHI, HANIEH, DE
[72] HUBER, MARINUS, DE
[72] PUPEZA, IOACHIM, DE
[72] ZIGMAN KOHLMAIER, MIHAELA, DE
[73] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE
[73] LUDWIG-MAXIMILIANS-UNIVERSITAT MUNCHEN, DE
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[54] **UTILISATION D'UN ENSEMBLE DE MARQUEURS POUR DETERMINER LE RISQUE DE REJET DE REIN**
[72] EIGLSPERGER, JOHANNES, DE
[72] NEUMANN, SINDY, DE
[72] PAGEL, PHILIPP, DE
[72] ZUCKER, MAXIMILIAN, DE
[72] PFAHLERT, VOLKER, DE
[73] NUMARES AG, DE
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[25] EN
[54] **TEST METHOD FOR TESTING THE BEHAVIOR OF A WIND FARM IN RESPONSE TO AN UNDERFREQUENCY EVENT**
[54] **PROCEDE DE TEST POUR TESTER LA REACTION D'UN PARC EOLIEN A UN EVENEMENT DE SOUS-FREQUENCE**
[72] DE BOER, WOLFGANG, DE
[72] BUSKER, KAI, DE
[72] ENGELKEN, SONKE, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2019-09-05
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[54] **HOCKEY SKATE**
[54] **PATIN DE HOCKEY**
[72] CRUIKSHANK, DAVID, CA
[72] HUNG, AKY, CA
[72] RUSAKOV, DMITRY, CA
[72] FUNG, IAN, CA
[72] KEEGAN, WILL, CA
[72] SNOW, MIKE, CA
[73] BAUER HOCKEY LTD., CA
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[22] 2014-03-11
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[54] **SELF-LIGATING BRACKET HAVING A LIGATING MEMBER**
[54] **BRACKET AUTO-LIGATURANT AYANT UN ELEMENT DE LIGATURE**
[72] RUIZ-VELA, ALBERTO, US
[73] WORLD CLASS TECHNOLOGY CORPORATION, US
[85] 2019-09-06
[86] 2018-03-20 (PCT/US2018/023403)
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[30] US (62/475,073) 2017-03-22
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[54] **CYLINDER LOCK**
[54] **SERRURE A BARILLET**
[72] KURKI, ANTTI, FI
[72] HAVUKAINEN, PAULI, FI
[72] DAUBITZ, MATTHIAS, DE
[72] WAHL, MARKUS, DE
[73] ABLOY OY, FI
[85] 2019-09-09
[86] 2017-04-04 (PCT/FI2017/050239)
[87] (WO2018/185360)

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[51] **Int.Cl. G06F 21/51 (2013.01)**
[25] EN
[54] **APPLICATION MANAGEMENT METHOD FOR TERMINAL, APPLICATION SERVER AND TERMINAL**
[54] **PROCEDE DE GESTION D'APPLICATION DE TERMINAL, SERVEUR D'APPLICATION ET TERMINAL**
[72] CHEN, CHENGQIAN, CN
[72] ZHOU, YU, CN
[72] GUO, WEI, CN
[73] CHINA UNIONPAY CO., LTD., CN
[85] 2019-09-10
[86] 2018-05-25 (PCT/CN2018/088367)
[87] (WO2019/128075)
[30] CN (201711449381.1) 2017-12-27

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[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **HIGH FLOW MANIFOLD**
[54] **COLLECTEUR A HAUT DEBIT**
[72] SMITH, LARRY C., US
[72] BOLES, DAVID J., US
[73] ZIMMER, INC., US
[85] 2019-09-11
[86] 2018-03-20 (PCT/US2018/023286)
[87] (WO2018/175389)
[30] US (15/467,307) 2017-03-23

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[13] C
[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/04 (2012.01)**
[25] EN
[54] **SYSTEM FOR MANAGING TRANSACTIONAL DATA**
[54] **SYSTEME DE GESTION DE DONNEES TRANSACTIONNELLES**
[72] KUNJACHAN, GEORGE CHIRAMATTEL, US
[72] ARYA, AMIT, US
[72] VOGEL, PETER ALLEN, US
[73] INTUIT INC., US
[85] 2019-09-11
[86] 2018-04-30 (PCT/US2018/030137)
[87] (WO2018/222316)
[30] US (15/610,542) 2017-05-31

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[51] **Int.Cl. C01B 3/34 (2006.01) C01B 3/48 (2006.01) C01B 3/50 (2006.01) C01B 3/56 (2006.01) C07C 29/151 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING HYDROGEN AND METHANOL**
[54] **METHODE DE PRODUCTION D'HYDROGENE ET DE METHANOL**
[72] ROESCH, ALEXANDER, US
[72] GUILLARD, ALAIN, US
[73] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2019-09-12
[86] 2018-03-13 (PCT/US2018/022110)
[87] (WO2018/169915)
[30] US (62/470,420) 2017-03-13
[30] US (15/630,301) 2017-06-22

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[13] C
[51] **Int.Cl. B65G 67/02 (2006.01) B65G 1/04 (2006.01) B65G 1/137 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING OBJECTS INCLUDING TRANSPORT VEHICLES**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS COMPRENANT DES VEHICULES DE TRANSPORT**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] HINCHEY, VICTORIA, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[73] BERKSHIRE GREY OPERATING COMPANY, INC., US
[85] 2019-09-17
[86] 2018-03-20 (PCT/US2018/023396)
[87] (WO2018/175466)
[30] US (62/473,825) 2017-03-20

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[51] **Int.Cl. H04W 72/21 (2023.01) H04W 76/19 (2018.01)**
[25] EN
[54] **LINK RE-ESTABLISHMENT METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE RETABLISSEMENT DE LIAISON**
[72] LIU, KUNPENG, CN
[72] LI, XUERU, CN
[72] XUE, LIXIA, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-09-24
[86] 2018-03-23 (PCT/CN2018/080346)
[87] (WO2018/171763)
[30] CN (201710184665.6) 2017-03-24

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[51] **Int.Cl. E06B 3/263 (2006.01)**
[25] EN
[54] **FENESTRATION ASSEMBLIES INCLUDING COMPOSITE INSULATING FRAME CORES AND METHODS FOR SAME**
[54] **ENSEMBLES ET METHODES CONNEXES DE FENETRES COMPRENANT DES AMES DE CADRE COMPOSITES ISOLANTES**
[72] YLITALO, CHRIS, US
[72] WOODWARD, BRADLEY D., US
[72] KOCH, KYLE C., US
[72] BENTOW, TIMOTHY R., US
[72] CURTIS, DANIEL JON, US
[73] MARVIN LUMBER AND CEDAR COMPANY, D/B/A MARVIN WINDOWS AND DOORS, US
[86] (3057928)
[87] (3057928)
[22] 2019-10-08
[30] US (62/742,720) 2018-10-08

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/10 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **IDENTIFYING APPLICATIONS WITH MACHINE LEARNING**
[54] **IDENTIFICATION D`APPLICATIONS AVEC APPRENTISSAGE AUTOMATIQUE**
[72] BITTERFELD, ROBERT, US
[72] GARTY, ASAF, US
[72] ARON, AVIYA, US
[72] ERBLAT, BORIS, US
[72] TAL, HAIL, US
[72] SOLOMON, BARY, US
[73] SERVICENOW, INC., US
[86] (3058370)
[87] (3058370)
[22] 2019-10-10
[30] US (16/163,204) 2018-10-17

[11] **3,058,796**
[13] C
[51] **Int.Cl. G01S 15/62 (2006.01) G01S 7/534 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRESENCE DETECTION**
[54] **SYSTEME ET PROCEDE DE DETECTION DE PRESENCE**
[72] DUREIKO, RICK DEAN, US
[72] CLYNNE, THOMAS, US
[73] SAVANT TECHNOLOGIES LLC, US
[85] 2019-10-01
[86] 2018-04-03 (PCT/US2018/025901)
[87] (WO2018/187339)
[30] US (62/481,074) 2017-04-03

[11] **3,060,212**
[13] C
[51] **Int.Cl. A47K 10/38 (2006.01)**
[25] EN
[54] **PREMATURE REPLACEMENT PREVENTION OR DETERRENCE FOR MULTIPLE ROLL SHEET PRODUCT DISPENSERS**
[54] **PREVENTION OU DISSUASION DE REMPLACEMENT PREMATURE POUR DISTRIBUTEURS DE PRODUITS EN FEUILLES A ROULEAUX MULTIPLES**
[72] GROSZ, JOHN WILLIAM, US
[72] ROBERTSON, TIMOTHY ANDREW, US
[72] ROCHE, NATHAN PATRICK, US
[72] MALESKY, JACOB EDWARD, US
[72] KANTOR, RYAN ALEXANDER, US
[72] ROZEK, ROY J., US
[73] GPCP IP HOLDINGS LLC, US
[85] 2019-10-15
[86] 2018-05-10 (PCT/US2018/031970)
[87] (WO2018/209027)
[30] US (62/504,222) 2017-05-10
[30] US (62/537,531) 2017-07-27
[30] US (62/564,581) 2017-09-28
[30] US (15/974,985) 2018-05-09

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[13] C
[51] **Int.Cl. B65G 47/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING SINGULATION OF OBJECTS FOR PROCESSING USING OBJECT MOVEMENT REDISTRIBUTION**
[54] **SYSTEMES ET PROCEDES D'OBTENTION D'UNE SINGULARISATION D'OBJETS POUR TRAITEMENT PAR REDISTRIBUTION DE MOUVEMENT D'OBJETS**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, JR., US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[73] BERKSHIRE GREY OPERATING COMPANY, INC., US
[85] 2019-10-22
[86] 2018-04-24 (PCT/US2018/029114)
[87] (WO2018/200503)
[30] US (62/489,121) 2017-04-24

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[13] C
[51] **Int.Cl. B62D 55/04 (2006.01) B62D 55/07 (2006.01) B62D 55/08 (2006.01)**
[25] EN
[54] **TRACKED VEHICLE**
[54] **VEHICULE CHENILLE**
[72] TELFORD, CODY, US
[72] DRIGGARS, PHILLIP, US
[73] POLARIS INDUSTRIES INC., US
[86] (3061397)
[87] (3061397)
[22] 2019-11-12
[30] US (16/189223) 2018-11-13

[11] **3,061,525**
[13] C
[51] **Int.Cl. E04D 13/03 (2006.01)**
[25] EN
[54] **SKYLIGHT PROTECTION ASSEMBLY AND METHOD FOR PROTECTING A SKYLIGHT**
[54] **ENSEMBLE DE PROTECTION D`UN LANTERNEAU ET METHODE DE PROTECTION D`UN LANTERNEAU**
[72] RIVEST, SERGE, CA
[73] CIELLA INC., CA
[86] (3061525)
[87] (3061525)
[22] 2019-11-12
[30] US (62/760.407) 2018-11-13

[11] **3,062,362**
[13] C
[51] **Int.Cl. H04W 76/20 (2018.01)**
[25] EN
[54] **WIRELESS CONNECTION CONTROL METHOD, DISTRIBUTED UNIT, CENTRALIZED UNIT, AND BASE STATION SYSTEM**
[54] **PROCEDE DE COMMANDE DE CONNEXION SANS FIL, UNITE DISTRIBUEE, UNITE CENTRALISEE ET SYSTEME DE STATION DE BASE**
[72] WANG, RUI, CN
[72] DAI, MINGZENG, CN
[72] YANG, XUDONG, CN
[72] ZHANG, HONGZHUO, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-11-04
[86] 2018-05-05 (PCT/CN2018/085745)
[87] (WO2018/202189)
[30] CN (201710313783.2) 2017-05-05

[11] **3,062,715**
[13] C
[51] **Int.Cl. A61F 5/01 (2006.01)**
[25] EN
[54] **FOOT MOVEMENT DAMPING DEVICE AND SHOE FOR DAMPING A FOOT MOVEMENT VIA THE ANKLE JOINT**
[54] **DISPOSITIF D'AMORTISSEMENT DU MOUVEMENT DU PIED ET CHAUSSURE DESTINEE A AMORTIR UN MOUVEMENT DU PIED PAR LE BIAIS DE LA CHEVILLE**
[72] BICHLER, VINZENZ, DE
[72] STUMPER, TIMO, DE
[72] BUSCHINGER, OSCAR, DE
[73] BETTERGUARDS TECHNOLOGY GMBH, DE
[85] 2019-11-07
[86] 2018-05-08 (PCT/EP2018/061933)
[87] (WO2018/206611)
[30] DE (10 2017 109 877.1) 2017-05-08

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[51] **Int.Cl. A61B 17/22 (2006.01) A61B 17/32 (2006.01) A61B 17/3207 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **DUAL-LUMEN ULTRASONIC CATHETERS, SYSTEMS, AND METHODS**
[54] **CATHETERS ULTRASONORES A DOUBLE LUMIERE, SYSTEMES ET PROCEDES**
[72] HOYE, JESSICA LYNN ROLL, US
[72] YOUNG, AMANDA, US
[72] PARMENTIER, WILLIAM E., US
[73] C. R. BARD, INC., US
[85] 2019-10-28
[86] 2017-04-28 (PCT/US2017/030266)
[87] (WO2018/200004)

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[51] **Int.Cl. H04L 1/00 (2006.01) H03M 13/13 (2006.01)**
[25] EN
[54] **POLAR CODE ENCODING METHOD AND APPARATUS**
[54] **DISPOSITIF ET PROCEDE DE CODAGE DE CODE POLAIRE**
[72] WANG, JUN, CN
[72] ZHANG, GONGZHENG, CN
[72] ZHANG, HUAZI, CN
[72] XU, CHEN, CN
[72] HUANG, LINGCHEN, CN
[72] DAI, SHENGCHEN, CN
[72] LUO, HEJIA, CN
[72] QIAO, YUNFEI, CN
[72] LI, RONG, CN
[72] WANG, JIAN, CN
[72] CHEN, YING, CN
[72] POLIANSKII, NIKITA, CN
[72] KAMENEV, MIKHAIL, CN
[72] SHEN, ZUKANG, CN
[72] DU, YINGGANG, CN
[72] HUANGFU, YOURUI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-11-08
[86] 2018-05-04 (PCT/CN2018/085567)
[87] (WO2019/024555)
[30] CN (201710653644.4) 2017-08-02

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[51] **Int.Cl. G01V 1/46 (2006.01) G01V 1/50 (2006.01)**
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[54] **HYBRID OPTIMIZATION OF FAULT DETECTION AND INTERPRETATION**
[54] **OPTIMISATION HYBRIDE DE DETECTION ET D'INTERPRETATION DE DEFAUTS**
[72] MAO, YOULI, US
[72] PANDYA, RAJA VIKRAM, US
[72] MANDAPAKA, BHASKAR, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[72] MADASU, SRINATH, US
[72] PRIYADARSHY, SATYAM, US
[72] DEV, ASHWANI, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2019-11-20
[86] 2017-12-21 (PCT/US2017/067987)
[87] (WO2019/035858)
[30] US (62/547,615) 2017-08-18

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[13] C
[51] **Int.Cl. G01F 3/06 (2006.01) F16D 41/00 (2006.01)**
[25] EN
[54] **DIRECTION SELECTIVE UNIDIRECTIONAL CLUTCH ASSEMBLY FOR A FLUID METER COUNTER MODULE ASSEMBLY AND A FLUID METER WITH A DIRECTION SELECTIVE UNIDIRECTIONAL CLUTCH ASSEMBLY**
[54] **BLOC D'EMBRAYAGE UNIDIRECTIONNEL A SELECTION DE DIRECTION POUR UN ENSEMBLE DE MODULE DE COMPTEUR POUR DEBITMETRE DE FLUIDE ET DEBITMETRE DE FLUIDE DOTE D'UN BLOC D'EMBRAYAGE UNIDIRECTIONNEL A SELECTION DE DIRECTION**
[72] SMICH, ANDREW, CA
[73] ROMET LIMITED, CA
[86] (3064853)
[87] (3064853)
[22] 2019-12-12
[30] US (62/864,045) 2019-06-20

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 21/62 (2013.01) G06Q 10/067 (2023.01)**
[25] EN
[54] **MICROPROCESSOR INCLUDING A MODEL OF AN ENTERPRISE**
[54] **MICROPROCESSEUR COMPRENANT UN MODELE D'ENTREPRISE**
[72] LYRAS, DIMITRIS, GB
[72] DIMOPOULOS, KONSTANTINOS, GR
[73] LYRAS, DIMITRIS, GB
[85] 2019-11-27
[86] 2018-05-28 (PCT/EP2018/063971)
[87] (WO2018/219884)
[30] US (62/512,318) 2017-05-30
[30] US (15/952,650) 2018-04-13

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[13] C
[51] **Int.Cl. A61B 90/20 (2016.01) A61B 34/20 (2016.01) A61B 90/25 (2016.01)**
[25] EN
[54] **VIDEO BASED MICROSCOPE ADJUSTMENT**
[54] **REGLAGE DE MICROSCOPE FAISANT APPEL A LA VIDEO**
[72] STOPP, SEBASTIAN, DE
[72] MANUS, JOHANNES, DE
[73] BRAINLAB AG, DE
[85] 2019-11-28
[86] 2018-07-11 (PCT/EP2018/068818)
[87] (WO2019/029936)
[30] EP (PCT/EP2017/070487) 2017-08-11

[11] **3,066,105**
[13] C
[51] **Int.Cl. C11D 1/29 (2006.01) C11D 1/37 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **DETERGENT COMPOSITIONS COMPRISING AES SURFACTANT HAVING ALKYL CHAIN LENGTHS OF FOURTEEN TOTAL CARBONS**
[54] **COMPOSITIONS DETERGENTES COMPRENANT UN TENSIOACTIF A BASE D'AES PRESENTANT DES LONGUEURS DE CHAINE ALKYLE DE QUATORZE CARBONES AU TOTAL**
[72] VINSON, PHILLIP KYLE, US
[72] STENGER, PATRICK CHRISTOPHER, US
[72] SHEAROUSE, WILLIAM COFFIN, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-12-03
[86] 2018-06-29 (PCT/US2018/040163)
[87] (WO2019/006223)
[30] US (15/638,411) 2017-06-30

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[13] C
[51] **Int.Cl. A61B 17/32 (2006.01) A61B 17/3209 (2006.01) A61B 17/3211 (2006.01)**
[25] EN
[54] **SOFT TISSUE CUTTING INSTRUMENT WITH RETRACTABLE BLADE OR HOOK**
[54] **INSTRUMENT DE RESECTION DE TISSUS MOUS A LAME OU CROCHET RETRACTABLE**
[72] ANDERSON, SHARON, K., US
[72] PHAM, KHIEM, US
[72] HUTTER, JAMES, US
[73] CONMED CORPORATION, US
[85] 2019-12-05
[86] 2018-06-07 (PCT/US2018/036414)
[87] (WO2018/231617)
[30] US (62/518,803) 2017-06-13
[30] US (62/524,769) 2017-06-26
[30] US (62/597,612) 2017-12-12
[30] US (62/652,365) 2018-04-04

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[13] C
[51] **Int.Cl. H04L 9/32 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTHENTICATING USER INFORMATION**
[54] **SYSTEMES ET METHODES D`AUTHENTIFICATION DES RENSEIGNEMENTS SUR L`UTILISATEUR**
[72] LUCIC, ROMULUS, CA
[73] BANK OF MONTREAL, CA
[86] (3066451)
[87] (3066451)
[22] 2020-01-03
[30] US (62/788,586) 2019-01-04

[11] **3,066,846**
[13] C
[51] **Int.Cl. B66B 9/08 (2006.01)**
[25] EN
[54] **STAIRLIFT**
[54] **MONTE-ESCALIER**
[72] VAN EIJGEN, WILCO, NL
[73] THYSSENKRUPP STAIRLIFTS B.V., NL
[85] 2019-12-10
[86] 2018-07-10 (PCT/EP2018/068590)
[87] (WO2019/011884)
[30] EP (17194815.1) 2017-10-04
[30] DE (10 2017 212 019.3) 2017-07-13

[11] **3,066,884**
[13] C
[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/12 (2006.01) A61B 8/13 (2006.01) A61B 8/14 (2006.01)**
[25] EN
[54] **TRANSORAL ULTRASOUND PROBE**
[54] **SONDE ULTRASONIQUE TRANSORALE**
[72] KATZBERG, RICHARD W. (DECEASED), US
[73] ORAL DIAGNOSTIX, LLC, US
[85] 2019-12-10
[86] 2018-06-21 (PCT/US2018/038788)
[87] (WO2018/237162)
[30] US (62/524,196) 2017-06-23

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[13] C
[51] **Int.Cl. H04N 19/52 (2014.01)**
[25] EN
[54] **SELECTION AND SIGNALING OF MOTION VECTOR (MV) PRECISIONS**
[54] **SELECTION ET SIGNALEMENT DE PRECISIONS DE VECTEURS DE MOUVEMENT (MV)**
[72] LIU, SHAN, US
[72] WANG, WEI, US
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-11
[86] 2018-06-07 (PCT/CN2018/090181)
[87] (WO2018/228260)
[30] US (62/518,402) 2017-06-12
[30] US (15/982,865) 2018-05-17

[11] **3,067,016**
[13] C
[51] **Int.Cl. B60P 1/44 (2006.01)**
[25] EN
[54] **MOUNTING SYSTEM FOR VEHICLE UNDERRIDE**
[54] **SYSTEME DE MONTAGE POUR ANTIENCASTREMENT DE VEHICULE**
[72] ABLABUTYAN, KARAPET, US
[72] GASPARIAN, AKOP, US
[73] MAXON INDUSTRIES, INC., US
[86] (3067016)
[87] (3067016)
[22] 2020-01-08
[30] US (16/247,349) 2019-01-14

[11] **3,067,020**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) G01N 21/47 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING THE CONCENTRATION OF ANALYTE IN WHOLE BLOOD**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION DE LA CONCENTRATION D'ANALYTE DANS LE SANG TOTAL**
[72] DUBEY, SATISH KUMAR, IN
[72] LAL, ASHISH KUMAR, IN
[72] PRABHU, VISHAL MANJANATH, IN
[72] LEDDEN, DAVID, US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2019-12-11
[86] 2018-06-07 (PCT/US2018/036434)
[87] (WO2018/231625)
[30] US (62/520,087) 2017-06-15

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[13] C
[51] **Int.Cl. H01M 10/0565 (2010.01) H01M 4/13 (2010.01) C08K 5/315 (2006.01) C08K 5/42 (2006.01) C08L 27/12 (2006.01) C08L 33/00 (2006.01) C08L 71/02 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **ELECTROLYTE COMPOSITION, ELECTROLYTE MEMBRANE, ELECTRODE, CELL AND METHOD FOR EVALUATING ELECTROLYTE COMPOSITION**
[54] **COMPOSITION D'ELECTROLYTE, MEMBRANE ELECTROLYTIQUE, ELECTRODE, BATTERIE ET PROCEDE D'EVALUATION DE COMPOSITION D'ELECTROLYTE**
[72] SHIBATA, SHIN-YA, JP
[72] ARAKAWA, MOTOHIRO, JP
[73] NIPPON SHOKUBAI CO., LTD., JP
[85] 2019-12-19
[86] 2018-06-19 (PCT/JP2018/023306)
[87] (WO2019/004011)
[30] JP (2017-125319) 2017-06-27

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[11] **3,068,264**
[13] C
[51] **Int.Cl. G06Q 30/0201 (2023.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IDENTIFYING MARKERS OF COORDINATED ACTIVITY IN SOCIAL MEDIA MOVEMENTS**
[54] **PROCEDES ET SYSTEMES D'IDENTIFICATION DE MARQUEURS D'ACTIVITE COORDONNEE DANS DES MOUVEMENTS DE MEDIAS SOCIAUX**
[72] BARASH, VLADIMIR D., US
[72] KELLY, JOHN W., US
[73] GRAPHIKA, INC., US
[85] 2019-12-20
[86] 2018-06-20 (PCT/US2018/038639)
[87] (WO2018/237098)
[30] US (62/522,644) 2017-06-20
[30] US (62/534,172) 2017-07-18

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[11] **3,068,332**
[13] C
[51] **Int.Cl. H04N 19/513 (2014.01) H04N 19/109 (2014.01) H04N 19/533 (2014.01) H04N 19/56 (2014.01) H04N 19/57 (2014.01) H04N 19/573 (2014.01) H04N 19/577 (2014.01)**
[25] EN
[54] **MOTION VECTOR REFINEMENT FOR MULTI-REFERENCE PREDICTION**
[54] **AFFINEMENT DE VECTEUR DE MOUVEMENT DESTINE A UNE PREDICTION MULTI-REFERENCE**
[72] ESENLIK, SEMIH, DE
[72] KOTRA, ANAND MEHER, DE
[72] ZHAO, ZHIJIE, DE
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-23
[86] 2018-03-29 (PCT/EP2018/058203)
[87] (WO2019/001786)
[30] EP (PCT/EP2017/066342) 2017-06-30

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[11] **3,068,559**
[13] C
[51] **Int.Cl. F22B 37/52 (2006.01) F22B 37/54 (2006.01) F22D 11/00 (2006.01)**
[25] EN
[54] **STEAM-GENERATING UNIT OF DUAL CIRCUIT REACTOR WITH PURGE AND DRAIN SYSTEM**
[54] **GENERATEUR DE VAPEUR DE REACTEUR A DOUBLE CIRCUIT AVEC SYSTEME DE VIDANGE**
[72] DOROKHIN, KONSTANTIN VLADIMIROVICH, RU
[72] SHESTAKOV, ANDREI VIKTOROVICH, RU
[73] JOINT STOCK COMPANY"ATOMENERGOPROEKT", RU
[85] 2019-12-27
[86] 2017-12-29 (PCT/RU2017/001010)
[87] (WO2019/132704)

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[11] **3,068,762**
[13] C
[51] **Int.Cl. H04N 19/176 (2014.01) H04N 19/119 (2014.01) H04N 19/136 (2014.01)**
[25] EN
[54] **IMPROVEMENT ON BOUNDARY FORCED PARTITION**
[54] **AMELIORATION DE PARTITION FORCEE DE LIMITE**
[72] GAO, HAN, DE
[72] ZHAO, ZHIJIE, DE
[72] ESENLIK, SEMIH, DE
[72] KOTRA, ANAND MEHER, DE
[72] LIU, SHAN, DE
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-01-02
[86] 2017-07-04 (PCT/EP2017/066700)
[87] (WO2019/007493)

[11] **3,069,439**
[13] C
[51] **Int.Cl. A61M 25/00 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **READY-TO-USE URINARY CATHETER ASSEMBLY**
[54] **ENSEMBLE SONDE URINAIRE PRET A L'EMPLOI**
[72] MONTES DE OCA, HORACIO, US
[72] FITZPATRICK, JAMES J., US
[72] RENEHAN, THOMAS, US
[72] O'BRIEN, DANIEL E., US
[72] FOLEY, ADAM J., US
[72] ROSTAMI, SHAMSEDIN, US
[72] CARTER, ENDA F., US
[73] HOLLISTER INCORPORATED, US
[85] 2020-01-08
[86] 2018-07-11 (PCT/US2018/041639)
[87] (WO2019/014344)
[30] US (62/531,634) 2017-07-12

[11] **3,070,157**
[13] C
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ANALYZING A DRILL STRING STUCK PIPE EVENT**
[54] **PROCEDE ET SYSTEME D'ANALYSE D'UN EVENEMENT DE TUBE COINCE DE TRAIN DE TIGES**
[72] ZHANG, FEIFEI, US
[72] JAMISON, DALE E., US
[72] PAN, YI, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-01-16
[86] 2017-08-18 (PCT/US2017/047663)
[87] (WO2019/035848)

[11] **3,070,218**
[13] C
[51] **Int.Cl. A45C 5/14 (2006.01) A45C 7/00 (2006.01) A45C 13/10 (2006.01)**
[25] EN
[54] **A CONNECTABLE SUITCASE**
[54] **VALISE RACCORDABLE**
[72] LEDERER, ROBERT, AU
[73] RTL GROUP INVESTMENTS PTY LTD, AU
[85] 2020-01-17
[86] 2018-08-02 (PCT/AU2018/000127)
[87] (WO2019/023736)
[30] AU (2017903057) 2017-08-02

[11] **3,070,226**
[13] C
[51] **Int.Cl. A01K 61/95 (2017.01) A01K 61/13 (2017.01)**
[25] EN
[54] **LIVE FISH PROCESSING SYSTEM, AND ASSOCIATED METHODS**
[54] **SYSTEME DE TRAITEMENT DE POISSONS VIVANTS ET PROCEDES ASSOCIES**
[72] PETTERSEN, JORN STALE, NO
[72] ODDOY, REMY KRISTIAN, NO
[72] MOFLAG, JOHAN ODD, NO
[72] LANGSETH, STEFFEN, NO
[73] PHARMAQ AS, NO
[85] 2020-01-16
[86] 2018-08-06 (PCT/US2018/045353)
[87] (WO2019/032443)
[30] US (62/541,917) 2017-08-07

[11] **3,070,266**
[13] C
[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/142 (2006.01) A61M 5/148 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **ADMINISTRATION SYSTEM, DELIVERY DEVICE, AND NOTIFICATION DEVICE FOR COMMUNICATING STATUS OF A MEDICAL DEVICE**
[54] **SYSTEME D'ADMINISTRATION, DISPOSITIF D'APPORT, ET DISPOSITIF DE NOTIFICATION DESTINE A COMMUNIQUER L'ETAT D'UN DISPOSITIF MEDICAL**
[72] UDDIN, NASIR, US
[72] DESPA, MIRCEA, US
[72] DOSHI PURSEL, REKHA, US
[72] GYORY, JOHN RICHARD, US
[72] MORALES, CARLOS, US
[72] RICHARDS, ANDREW, US
[72] MOONEY, MATT, US
[72] ABRY, HERVE, FR
[72] BOWEN, MARK, US
[72] ZHANG, RACHEL, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2020-01-16
[86] 2018-07-18 (PCT/US2018/042668)
[87] (WO2019/018516)
[30] US (62/533,954) 2017-07-18
[30] US (62/559,051) 2017-09-15
[30] US (62/626,935) 2018-02-06

[11] **3,071,104**
[13] C
[51] **Int.Cl. A61N 5/00 (2006.01) A61N 5/10 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL BEAM FORMING X-RAY SOURCE**
[54] **SOURCE DE RAYONS X FORMANT UN FAISCEAU TRIDIMENSIONNEL**
[72] FISHMAN, KALMAN, US
[72] WILFLEY, BRIAN, PATRICK, US
[72] OLGADO, DONALD, US
[72] KU, CHWEN-YUAN, US
[72] FUNK, TOBIAS, US
[72] VATAHOV, PETRE, US
[72] MITCHELL, CHRISTOPHER, R., US
[72] ELLENOR, CHRISTOPHER W., CA
[73] EMPYREAN MEDICAL SYSTEMS, INC., US
[85] 2020-01-24
[86] 2018-03-30 (PCT/US2018/025438)
[87] (WO2018/183873)
[30] US (62/479,455) 2017-03-31

[11] **3,071,407**
[13] C
[51] **Int.Cl. B25J 15/00 (2006.01) B25J 15/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ACQUIRING AND MOVING OBJECTS HAVING COMPLEX OUTER SURFACES**
[54] **SYSTEMES ET PROCEDES D'ACQUISITION ET DE DEPLACEMENT D'OBJETS PRESENTANT DES SURFACES EXTERIEURES COMPLEXES**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, JR., US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[73] BERKSHIRE GREY OPERATING COMPANY, INC., US
[85] 2020-01-28
[86] 2018-08-01 (PCT/US2018/044819)
[87] (WO2019/028146)
[30] US (62/540,355) 2017-08-02

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[11] **3,071,438**
[13] C
[51] **Int.Cl. G06V 40/50 (2022.01) G06F 21/32 (2013.01)**
[25] EN
[54] **INTELLIGENT GALLERY MANAGEMENT FOR BIOMETRICS**
[54] **GESTION DE GALERIES INTELLIGENTE DESTINEE A LA BIOMETRIE**
[72] LUPOWITZ, KEVIN, US
[73] ALCLEAR, LLC, US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044238)
[87] (WO2019/023677)
[30] US (62/538,348) 2017-07-28

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[11] **3,071,856**
[13] C
[51] **Int.Cl. C08K 5/00 (2006.01) C08K 3/32 (2006.01) C08K 5/053 (2006.01) C08K 5/3465 (2006.01) C08K 9/12 (2006.01)**
[25] EN
[54] **PHOSPHATE IONIC LIQUID-POLYOXOMETALATE-INORGANIC ADDITIVE FOR LOW SMOKING ZERO HALOGEN FLAME RETARDANT COMPOUNDS**
[54] **ADDITIF INORGANIQUE FORME DE LIQUIDE IONIQUE A BASE DE PHOSPHATE ET DE POLYOXOMETALLATE POUR COMPOSES IGNIFUGES SANS HALOGENE ET A FAIBLE DEGAGEMENT DE FUMEE**
[72] JIANG, DAYUE, US
[72] VASILAKOS, KEVIN ANDREW, US
[73] CORNING INCORPORATED, US
[85] 2020-01-31
[86] 2018-07-30 (PCT/US2018/044335)
[87] (WO2019/027880)
[30] US (62/540,091) 2017-08-02

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[11] **3,071,958**
[13] C
[51] **Int.Cl. F03D 7/06 (2006.01) F03D 9/25 (2016.01) F03D 80/50 (2016.01)**
[25] EN
[54] **WIND TUBINE BEARING REMOVAL AND INSTALLATION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE RETRAIT ET D'INSTALLATION DE PALIER D'EOLIENNE**
[72] REYNOLDS, KEVIN, US
[72] CLARK, JOHN, US
[72] WARREN, STEPHEN, US
[72] PEPIN, THOMAS A. III, US
[73] BARNHART CRANE AND RIGGING CO., US
[85] 2020-02-03
[86] 2018-08-03 (PCT/US2018/045205)
[87] (WO2019/028375)
[30] US (62/540,691) 2017-08-03

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[11] **3,072,089**
[13] C
[51] **Int.Cl. A47G 9/02 (2006.01) B68G 7/08 (2006.01)**
[25] EN
[54] **PATTERNED COMFORTER**
[54] **CONFORTABLE A MOTIF**
[72] PARNES, BRIAN, US
[73] DOWN-LITE INTERNATIONAL, INC., US
[86] (3072089)
[87] (3072089)
[22] 2020-02-11
[30] US (62/804,854) 2019-02-13

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[11] **3,072,178**
[13] C
[51] **Int.Cl. C12N 5/0783 (2010.01) C12N 5/071 (2010.01) C12N 15/113 (2010.01) A61K 35/17 (2015.01) A01N 63/00 (2020.01) A61P 35/00 (2006.01) C07K 14/54 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **CD1D-RESTRICTED NKT CELLS AS A PLATFORM FOR OFF-THE-SHELF CANCER IMMUNOTHERAPY**
[54] **CELLULES NKT A CD1D RESTREINT EN TANT QUE PLATEFORME POUR L'IMMUNOTHERAPIE ANTICANCEREUSE EN VENTE LIBRE**
[72] METELITSA, LEONID S., US
[72] JIN, JINGLING, US
[72] LIU, BIN, US
[73] BAYLOR COLLEGE OF MEDICINE, US
[85] 2020-02-05
[86] 2018-08-10 (PCT/US2018/046306)
[87] (WO2019/033023)
[30] EP (17185992.9) 2017-08-11

[11] **3,072,679**
[13] C
[51] **Int.Cl. H04B 7/024 (2017.01)**
[25] EN
[54] **SIGNAL SCRAMBLING METHOD AND APPARATUS, AND SIGNAL DESCRAMBLING METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE BROUILLAGE ET DE DESEMBROUILLAGE DE SIGNAL**
[72] WANG, TING, CN
[72] LI, YUANJIE, CN
[72] TANG, HAO, CN
[72] TANG, ZHENFEI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-02-11
[86] 2018-05-31 (PCT/CN2018/089375)
[87] (WO2019/029240)
[30] CN (201710687393.1) 2017-08-11

[11] **3,073,146**
[13] C
[51] **Int.Cl. A61K 31/192 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **USE OF 2-[(3Z)-6-FLUORO-2-METHYL-3-[(4-METHYLSULFINYLPHENYL)METHYLIDENE]INDEN-1--YL] ACETIC ACID FOR MAKING A HEALING PREPARATION FOR WOUNDS IN PATIENTS WITH DIABETES**
[54] **UTILISATION D'ACIDE ACETIQUE 2-[(3Z)-6-FLUORO-2-METHYL-3-[(4-METHYLSULFINYLPHENYL)METHYLIDENE]INDENE-1--YL] POUR LA FABRICATION D'UNE PREPARATION DE GUERISON DES PLAIES CHEZ LES PATIENTS ATTEINTS DU DIABETE**
[72] TOMULEWICZ, MIKOLAJ, PL
[73] WYZSZA SZKOLA MEDYCZNA W BIALYMSTOKU, PL
[85] 2020-01-29
[86] 2018-04-11 (PCT/PL2018/000036)
[87] (WO2018/203762)
[30] PL (P.421491) 2017-05-04

[11] **3,073,686**
[13] C
[51] **Int.Cl. G06F 12/02 (2006.01)**
[25] EN
[54] **PERSISTENT WRITES FOR NON-VOLATILE MEMORY**
[54] **ECRITURES PERSISTANTES POUR MEMOIRE NON VOLATILE**
[72] RAMANUJAN, RAJ, US
[72] BAINS, KULJIT SINGH, US
[72] WANG, LIYONG, US
[72] QUEEN, WESLEY, US
[73] QUALCOMM INCORPORATED, US
[85] 2020-02-21
[86] 2018-08-14 (PCT/US2018/046590)
[87] (WO2019/055164)
[30] US (15/706,530) 2017-09-15

[11] **3,074,208**
[13] C
[51] **Int.Cl. C07C 231/12 (2006.01) A61K 47/68 (2017.01) A61K 31/4745 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07C 233/15 (2006.01) C07C 233/33 (2006.01) C07C 233/54 (2006.01) C07D 491/22 (2006.01) C07K 7/06 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01) C07B 61/00 (2006.01)**
[25] EN
[54] **NOVEL METHOD FOR PRODUCING ANTIBODY-DRUG CONJUGATE**
[54] **NOUVEAU PROCEDE DE PRODUCTION D'UN CONJUGUE ANTICORPS-MEDICAMENT**
[72] NISHI, YOSHIO, JP
[72] SAKANISHI, KOHEI, JP
[72] NOGUCHI, SHIGERU, JP
[72] TAKEDA, TADAHIRO, JP
[73] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2020-02-27
[86] 2018-08-30 (PCT/JP2018/032055)
[87] (WO2019/044946)
[30] JP (2017-167690) 2017-08-31

[11] **3,076,656**
[13] C
[51] **Int.Cl. B29C 70/50 (2006.01)**
[25] EN
[54] **PREPREG DEBACKER AND METHOD OF LAYUP**
[54] **DISPOSITIF DE DECOLLEMENT DE PREIMPREGNE ET PROCEDE DE SUPERPOSITION**
[72] PIERCE, BRADEN, CA
[72] SCHROEN, DEREK, CA
[72] CARD, PAUL, CA
[73] 7260297 MANITOBA LTD., CA
[86] (3076656)
[87] (3076656)
[22] 2020-03-20
[30] US (62/821,323) 2019-03-20

[11] **3,076,843**
[13] C
[51] **Int.Cl. B01D 45/16 (2006.01) B01D 21/26 (2006.01) B01D 45/14 (2006.01)**
[25] EN
[54] **A DEVICE FOR SEPARATING SOLIDS FROM A FLUID STREAM**
[54] **DISPOSITIF POUR LA SEPARATION DE SOLIDES D'UN COURANT DE FLUIDE**
[72] BAYATI, MOHSEN, CA
[72] JOHNSTON, CHRIS MICHAEL, CA
[72] SCHULTZ, COLE WILLIAM, CA
[72] WOHLGEMUTH, DUSTIN MACKENZIE, CA
[73] SAND SEPARATION TECHNOLOGIES INC., CA
[85] 2020-03-24
[86] 2018-09-20 (PCT/CA2018/051180)
[87] (WO2019/056112)
[30] US (62/562,767) 2017-09-25
[30] US (62/672,901) 2018-05-17

[11] **3,077,071**
[13] C
[51] **Int.Cl. G01S 17/02 (2020.01) G01S 7/481 (2006.01)**
[25] EN
[54] **SYNCHRONIZED SPINNING LIDAR AND ROLLING SHUTTER CAMERA SYSTEM**
[54] **LIDAR ROTATIF SYNCHRONISE ET SYSTEME DE CAMERA A OBTURATEUR ROULANT**
[72] GASSEND, BLAISE, US
[72] INGRAM, BENJAMIN, US
[72] WENDEL, ANDREAS, US
[72] SHAND, MARK ALEXANDER, US
[73] WAYMO LLC, US
[85] 2020-03-25
[86] 2018-07-13 (PCT/US2018/042095)
[87] (WO2019/067068)
[30] US (15/719,366) 2017-09-28

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[11] **3,077,276**
[13] C
[51] **Int.Cl. G06Q 10/0631 (2023.01) G06Q 10/1093 (2023.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SCHEDULING SHIFTS AND EMPLOYEE LEAVE MANAGEMENT**
[54] **PROCEDE ET SYSTEME DE PLANIFICATION DES QUARTS DE TRAVAIL ET DE GESTION DES CONGES DES EMPLOYES**
[72] IZADI, ARMAN, CA
[73] SMARTMED INC., CA
[86] (3077276)
[87] (3077276)
[22] 2020-03-26
[30] US (62/853341) 2019-05-28

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[11] **3,078,873**
[13] C
[51] **Int.Cl. A23P 30/20 (2016.01)**
[25] EN
[54] **COOLING NOZZLE FOR EXTRUDER**
[54] **BUSE DE REFROIDISSEMENT POUR EXTRUDEUSE**
[72] ISAAK, JOHANN, DE
[72] REIMER, DIMITRI, DE
[73] DEUTSCHES INSTITUT FUR LEBENSMITTELTECHNIK E.V., DE
[85] 2020-04-09
[86] 2018-12-21 (PCT/EP2018/086757)
[87] (WO2019/129744)
[30] DE (DE 10 2017 223 829.1) 2017-12-27

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[11] **3,079,116**
[13] C
[51] **Int.Cl. H03G 5/02 (2006.01)**
[25] EN
[54] **METHOD FOR SETTING PARAMETERS FOR INDIVIDUAL ADAPTATION OF AN AUDIO SIGNAL**
[54] **PROCEDE DE REGLAGE DE PARAMETRES PERMETTANT D'AJUSTER INDIVIDUELLEMENT UN SIGNAL AUDIO**
[72] OETTING, DIRK, DE
[72] BRUNS, TOBIAS, DE
[72] RENNIES-HOCHMUTH, JAN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-04-15
[86] 2018-10-12 (PCT/EP2018/077951)
[87] (WO2019/076773)
[30] DE (10 2017 218 483.3) 2017-10-16

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[13] C
[51] **Int.Cl. F21K 9/00 (2016.01) H01L 33/06 (2010.01) A01G 9/20 (2006.01) F21V 9/00 (2018.01)**
[25] EN
[54] **PLANT ILLUMINATION DEVICE AND METHOD FOR DARK GROWTH CHAMBERS**
[54] **DISPOSITIF D'ECLAIRAGE DE PLANTES ET PROCEDE POUR DES CHAMBRES NOIRES DE CROISSANCE**
[72] AIKALA, LARS, FI
[72] KIVIMAKI, ILKKA, FI
[73] VALOYA OY, FI
[86] (3079298)
[87] (3079298)
[22] 2012-02-08
[62] 3,000,465
[30] EP (11158698.8) 2011-03-17
[30] US (61/468,856) 2011-03-29

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[13] C
[51] **Int.Cl. A24F 40/30 (2020.01) A61M 11/04 (2006.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **AEROSOL PROVISION DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION D'AEROSOL**
[72] YILMAZ, UGURHAN, GB
[73] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2020-04-20
[86] 2018-10-24 (PCT/EP2018/079139)
[87] (WO2019/081571)
[30] GB (1717498.8) 2017-10-24

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[11] **3,079,712**
[13] C
[51] **Int.Cl. A22C 7/00 (2006.01) A23L 13/00 (2016.01)**
[25] EN
[54] **PRESS FOR FORM PRESSING MEAT PRODUCTS, AND METHOD OF USE**
[54] **PRESSE POUR PRESSER DES PRODUITS DE VIANDE ET METHODE D`UTILISATION**
[72] SINGENBERGER, RALPH, CH
[72] TWARDAWA, MARCEL, CH
[73] PROVISUR TECHNOLOGIES, INC., US
[86] (3079712)
[87] (3079712)
[22] 2020-04-27

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[11] **3,079,842**
[13] C
[51] **Int.Cl. A61M 1/00 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR FILTERING**
[54] **PROCEDE ET APPAREIL DE FILTRATION**
[72] WIERZBA, MICHAEL PAUL, US
[72] SHVETSOV, KYRYLO, US
[72] BONANO, SAMANTHA, US
[72] PEPE, GREGORY, US
[73] BUFFALO FILTER LLC, US
[85] 2020-04-21
[86] 2018-10-24 (PCT/US2018/057262)
[87] (WO2019/084108)
[30] US (62/576,301) 2017-10-24

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[51] **Int.Cl. C08G 65/08 (2006.01) C07C 41/14 (2006.01) C07C 43/03 (2006.01) C07C 43/11 (2006.01) C08G 65/10 (2006.01)**
[25] FR
[54] **ALKOXYLATED SECONDARY ALCOHOL**
[54] **ALCOOL SECONDAIRE ALCOXYLE**
[72] GILLET, JEAN-PHILIPPE, FR
[72] BEILLON, THIERRY, FR
[73] ARKEMA FRANCE, FR
[85] 2020-04-22
[86] 2018-11-08 (PCT/FR2018/052761)
[87] (WO2019/092366)
[30] FR (1760586) 2017-11-10

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[13] C
[51] **Int.Cl. B25J 15/06 (2006.01) B65G 47/91 (2006.01) B66C 1/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING DYNAMIC VACUUM PRESSURE AT AN END EFFECTOR USING A SINGLE VACUUM SOURCE**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR UNE PRESSION DE VIDE DYNAMIQUE AU NIVEAU D'UN EFFECTEUR D'EXTREMITE A L'AIDE D'UNE SOURCE DE VIDE UNIQUE**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] GEYER, CHRISTOPHER, US
[72] KOLETSCHKA, THOMAS, US
[72] MARONEY, KYLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[72] AMEND, JOHN RICHARD, JR., US
[72] FORT, WILLIAM HARTMAN, US
[72] KING, JENNIFER EILEEN, US
[72] KOVAL, MICHAEL CAP, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[72] PRICE, GENE TEMPLE, US
[73] BERKSHIRE GREY OPERATING COMPANY, INC., US
[85] 2020-04-29
[86] 2018-11-06 (PCT/US2018/059445)
[87] (WO2019/094382)
[30] US (62/582,651) 2017-11-07

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[13] C
[51] **Int.Cl. B65D 6/16 (2006.01)**
[25] EN
[54] **COLLAPSIBLE FUEL CONTAINER**
[54] **CONTENEUR DE COMBUSTIBLE REPLIABLE**
[72] HULME, LEONARD D., CA
[73] HULME, LEONARD D., CA
[86] (3081190)
[87] (3081190)
[22] 2020-05-22
[30] US (16/371,086) 2019-03-31

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[13] C
[51] **Int.Cl. G01N 1/18 (2006.01) A22C 21/00 (2006.01) A23B 4/12 (2006.01) C02F 1/72 (2006.01) G01N 1/00 (2006.01)**
[25] EN
[54] **CHILLER WATER SAMPLING DEVICE**
[54] **DISPOSITIF D'ECHANTILLONNAGE D'EAU DE REFROIDISSEUR**
[72] LAROSE, ROBERT, US
[73] BIOSAFE SYSTEMS, LLC, US
[85] 2020-04-30
[86] 2018-11-14 (PCT/US2018/060889)
[87] (WO2019/099434)
[30] US (62/585,639) 2017-11-14

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[13] C
[51] **Int.Cl. G01N 35/02 (2006.01) G01N 33/48 (2006.01) G01N 33/50 (2006.01) G01N 33/569 (2006.01) G16B 50/00 (2019.01)**
[25] EN
[54] **INTEGRATED HEALTH DATA CAPTURE AND ANALYSIS SYSTEM**
[54] **SYSTEME DE CAPTURE ET D'ANALYSE INTEGRE DE DONNEES DE SANTE**
[72] GIBBONS, IAN, US
[72] HOLMES, ELIZABETH A., US
[72] MICHELSON, SETH G., US
[72] YOUNG, DANIEL L., US
[73] LABRADOR DIAGNOSTICS LLC, US
[86] (3081708)
[87] (3081708)
[22] 2010-10-18
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[30] US (61/253,015) 2009-10-19

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[13] C
[51] **Int.Cl. B05B 1/06 (2006.01) B05B 1/34 (2006.01) B65D 83/14 (2006.01)**
[25] FR
[54] **TWO-PIECE NOZZLE FOR AEROSOL DISPENSERS**
[54] **BUSE EN DEUX PIECES POUR DIFFUSEURS D'AEROSOL**
[72] BODET, HERVE, FR
[72] BOREL, BERNARD, FR
[73] LINDAL FRANCE SAS, FR
[85] 2020-05-04
[86] 2018-10-19 (PCT/EP2018/078705)
[87] (WO2019/086272)
[30] FR (1760409) 2017-11-06

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[13] C
[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **KNOTLESS INSTABILITY ANCHOR**
[54] **ANCRAGE D'INSTABILITE SANS NOEUD**
[72] LOMBARDO, GIUSEPPE, US
[72] BRESLICH, GRADY, US
[72] MILLER, PETER, US
[72] BOSWORTH, ADRIAN, US
[73] CONMED CORPORATION, US
[85] 2020-05-05
[86] 2018-11-15 (PCT/US2018/061168)
[87] (WO2019/099599)
[30] US (62/586,383) 2017-11-15

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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **NUCLEIC ACIDS FOR INHIBITING EXPRESSION OF LPA IN A CELL**
[54] **ACIDES NUCLEIQUES PERMETTANT D'INHIBER L'EXPRESSION DE LPA DANS UNE CELLULE**
[72] DAMES, SIBYLLE, DE
[72] SCHUBERT, STEFFEN, DE
[72] TENBAUM, STEPHAN, DE
[72] FRAUENDORF, CHRISTIAN, DE
[72] BETHGE, LUCAS, DE
[72] HAUPTMANN, JUDITH, DE
[72] WEINGARTNER, ADRIEN, DE
[72] RIDER, DAVID ANTHONY, DE
[73] SILENCE THERAPEUTICS GMBH, DE
[85] 2020-05-06
[86] 2018-11-13 (PCT/EP2018/081106)
[87] (WO2019/092283)
[30] EP (17201449.0) 2017-11-13
[30] EP (18179175.7) 2018-06-21
[30] GB (1815915.2) 2018-09-28

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[13] C
[51] **Int.Cl. B23K 9/10 (2006.01) F02D 41/14 (2006.01) F02N 11/08 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **HYBRID WELDING-TYPE POWER SYSTEM PROVIDED WITH A STARTER BATTERY AND WITH A POWER STORAGE DEVICE**
[54] **SYSTEME D'ALIMENTATION DE TYPE SOUDAGE HYBRIDE POURVU D'UNE BATTERIE DE DEMARREUR ET D'UN DISPOSITIF DE STOCKAGE D'ENERGIE**
[72] RADTKE, DAVID EDWIN, US
[72] IHDE, JEFFREY R., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2020-05-05
[86] 2018-11-16 (PCT/US2018/061485)
[87] (WO2019/099804)
[30] US (62/587,666) 2017-11-17
[30] US (16/185,509) 2018-11-09

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[51] **Int.Cl. B64B 1/22 (2006.01)**
[25] EN
[54] **HYBRID AIRSHIP AND RELATED ASSEMBLY AND/OR MAINTENANCE METHOD**
[54] **DIRIGEABLE HYBRIDE ET PROCEDE D'ASSEMBLAGE ET/OU DE MAINTENANCE ASSOCIE**
[72] KUHLMANN, HERVE, FR
[73] TOTAL SA, FR
[73] FLYING WHALES, FR
[85] 2020-05-06
[86] 2017-11-13 (PCT/IB2017/001549)
[87] (WO2019/092472)

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[51] **Int.Cl. A61M 16/00 (2006.01)**
[25] EN
[54] **AN ELECTRO-MECHANICAL RESUSCITATING APPARATUS**
[54] **APPAREIL ELECTRO-MECANIQUE DE REANIMATION**
[72] PASUPULETI, ADITHYA (DECEASED), IN
[72] MOHAN, ROSHAN, IN
[72] PASUPULETI, GAUTHAM, IN
[73] BIODESIGN INNOVATION LABS PRIVATE LIMITED, IN
[85] 2020-05-06
[86] 2018-09-13 (PCT/IB2018/056991)
[87] (WO2020/016639)
[30] IN (201841026645) 2018-07-17

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[51] **Int.Cl. E06B 1/04 (2006.01) E04G 21/00 (2006.01)**
[25] EN
[54] **PROJECTING FENESTRATION ASSEMBLY AND METHODS FOR SAME**
[54] **ENSEMBLE DE FENETRAGE PROJETANT ET SES PROCEDES**
[72] SALENTINE, ERIC LEE, US
[72] MAGNUSEN, JUSTIN WAYNE, US
[72] NELSEN, MICHAEL T., US
[73] MARVIN LUMBER AND CEDAR COMPANY, LLC D/B/A MARVIN WINDOWS AND DOORS, US
[86] (3081987)
[87] (3081987)
[22] 2020-06-04
[30] US (62/857,181) 2019-06-04

[11] **3,082,128**
[13] C
[51] **Int.Cl. B60W 30/14 (2006.01) B60W 30/18 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING THE SPEED OF A VEHICLE**
[54] **PROCEDE ET SYSTEME DE COMMANDE DE LA VITESSE D'UN VEHICULE**
[72] HILLE, DAVID G., US
[72] LAN, CHUN, US
[72] TAYLOR, SCOTT D., US
[72] BOTTENSEK, JOSEPH B., US
[72] SCHERER, JACOB D., US
[72] WAGNER, DUANE D., US
[72] MINICK, JACOB J., US
[73] POLARIS INDUSTRIES INC., US
[85] 2020-05-06
[86] 2018-11-14 (PCT/US2018/061045)
[87] (WO2019/099513)
[30] US (15/816,118) 2017-11-17

[11] **3,082,253**
[13] C
[51] **Int.Cl. A61B 5/02 (2006.01) A61B 5/021 (2006.01) A61B 5/0215 (2006.01) A61B 5/022 (2006.01) A61B 5/026 (2006.01) A61B 5/085 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EVALUATING BLOOD VESSEL**
[54] **PROCEDE ET SYSTEME D'EVALUATION D'UN VAISSEAU SANGUIN**
[72] DENNEY, THOMAS S., JR., US
[72] GUPTA, HIMANSHU, US
[72] GUPTA, ANKUR, US
[73] AUBURN UNIVERSITY, US
[85] 2020-05-08
[86] 2017-11-10 (PCT/US2017/060979)
[87] (WO2018/089720)
[30] US (62/420,366) 2016-11-10

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[13] C
[51] **Int.Cl. C08K 5/00 (2006.01) C09J 4/06 (2006.01) C09J 133/06 (2006.01)**
[25] EN
[54] **METHODS FOR CONDUCTIVE ADHESIVES BASED ON GRAPHENE AND APPLICATIONS THEREOF**
[54] **PROCEDES POUR ADHESIFS CONDUCTEURS A BASE DE GRAPHENE ET LEURS APPLICATIONS**
[72] EL-KADY, MAHER F., US
[72] MOHAMED, NAHLA, US
[72] KAVANAUGH, JACK, US
[72] KANER, RICHARD B., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[73] NANOTECH ENERGY, INC., US
[85] 2020-05-21
[86] 2018-11-29 (PCT/US2018/062960)
[87] (WO2019/108732)
[30] US (62/593,506) 2017-12-01
[30] US (62/680,615) 2018-06-05

[11] **3,083,408**
[13] C
[51] **Int.Cl. C11D 17/06 (2006.01) C11D 1/62 (2006.01) C11D 3/00 (2006.01) C11D 3/22 (2006.01) C11D 3/37 (2006.01) C11D 3/50 (2006.01)**
[25] EN
[54] **PARTICULATE LAUNDRY SOFTENING AND FRESHENING WASH ADDITIVE**
[54] **ADDITIF DE LAVAGE DU LINGE ADOUCISSANT ET RAFRAICHISSANT SOUS FORME PARTICULAIRE**
[72] ZERHUSEN, JADEN S., US
[72] CORONA, III, ALESSANDRO, US
[72] JOHNSON, LENAE V., US
[72] PANANDIKER, RAJAN K., US
[72] FONTAINE, MICHAEL P., US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-05-22
[86] 2018-11-29 (PCT/US2018/062954)
[87] (WO2019/108727)
[30] US (15/828,562) 2017-12-01

[11] **3,083,430**
[13] C
[51] **Int.Cl. G06V 20/10 (2022.01) G06V 20/58 (2022.01)**
[25] EN
[54] **URBAN ENVIRONMENT LABELLING**
[54] **MARQUAGE D'ENVIRONNEMENT URBAIN**
[72] ONDRUSKA, PETER, GB
[72] PLATINSKY, LUKAS, GB
[72] DABISIAS, GIACOMO, GB
[73] BLUE VISION LABS UK LIMITED, GB
[85] 2020-05-25
[86] 2019-02-25 (PCT/GB2019/050513)
[87] (WO2019/175532)
[30] GB (1804194.7) 2018-03-15
[30] GB (1813101.1) 2018-08-10

[11] **3,083,506**
[13] C
[51] **Int.Cl. F04B 49/02 (2006.01) F04B 43/04 (2006.01) F04B 49/10 (2006.01) G01M 3/16 (2006.01)**
[25] EN
[54] **PUMP SYSTEM WITH LEAK DAMAGE PROTECTION**
[54] **SYSTEME DE POMPE AVEC PROTECTION CONTRE LES FUITES POUR REDUIRE LES DOMMAGES**
[72] PILCHER, MATTHEW ROBERT, US
[72] RANCOURT, TIMOTHY, US
[73] NORTHERN TOOL & EQUIPMENT COMPANY, INC., US
[86] (3083506)
[87] (3083506)
[22] 2020-03-13
[30] US (62/828457) 2019-04-02

[11] **3,083,632**
[13] C
[51] **Int.Cl. A01K 61/60 (2017.01)**
[25] EN
[54] **ROOF COVER FOR FISH FARM**
[54] **COUVERTURE DE TOIT POUR FERME PISCICOLE**
[72] HELLESOE, BERNT HENRIK, NO
[72] BIRKELAND, GUNNAR WILLIAM, NO
[72] WANVIK, LEIV GUNNAR, NO
[72] LEDERGERBER HINDERLING, CHRISTINE, CH
[72] KABBANI, ISSAM, CH
[73] UNITECH OFFSHORE AS, NO
[85] 2020-05-15
[86] 2018-11-21 (PCT/NO2018/050286)
[87] (WO2019/103618)
[30] NO (20171878) 2017-11-21

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[13] C
[51] **Int.Cl. A42B 1/24 (2021.01) A41D 13/11 (2006.01) A42B 1/18 (2006.01) A42B 3/18 (2006.01)**
[25] EN
[54] **FACE SHIELD FOR BASEBALL CAP**
[54] **ECRAN FACIAL POUR UNE CASQUETTE DE BASEBALL**
[72] ROSE, BRENT LORENZ, US
[73] EXTANG CORPORATION, US
[86] (3083689)
[87] (3083689)
[22] 2020-06-16
[30] US (16/898,770) 2020-06-11

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[11] **3,083,896**
[13] C
[51] **Int.Cl. G07F 19/00 (2006.01) G06F 3/048 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONFIGURING AN AUTOMATED TELLER MACHINE USER INTERFACE BASED ON LOADED CASSETTES**
[54] **SYSTEME ET METHODE POUR CONFIGURER UNE INTERFACE UTILISATEUR DE GUICHET AUTOMATIQUE EN FONCTION DE CASSETTES CHARGEES**
[72] PRATTEN, A. WARREN, CA
[72] FAZIO, VINCENT, CA
[72] MILES, ANTHONY WAYNE, CA
[72] SHIPLEY, NIGEL JOHN, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (3083896)
[87] (3083896)
[22] 2020-06-18
[30] US (16/893,965) 2020-06-05
[30] US (63/000,858) 2020-03-27

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[13] C
[51] **Int.Cl. G01S 17/89 (2020.01) G01S 7/481 (2006.01) G01S 7/483 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LIDARS WITH ADJUSTABLE RESOLUTION AND FAILSAFE OPERATION**
[54] **SYSTEMES ET PROCEDES POUR LIDARS AVEC RESOLUTION REGLABLE ET FONCTIONNEMENT A SECURITE INTEGREE**
[72] DROZ, PIERRE-YVES, US
[73] WAYMO LLC, US
[85] 2020-05-28
[86] 2018-10-31 (PCT/US2018/058359)
[87] (WO2019/118076)
[30] US (15/839,677) 2017-12-12

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[13] C
[51] **Int.Cl. A47B 47/00 (2006.01) F16B 7/00 (2006.01) F16B 7/04 (2006.01) F16B 7/18 (2006.01) F16B 12/44 (2006.01)**
[25] EN
[54] **REAR SEALING BRACKET AND CABINET INCLUDING REAR SEALING BRACKET**
[54] **SUPPORT D'ETANCHEITE ARRIERE ET ARMOIRE COMPRENANT UN SUPPORT D'ETANCHEITE ARRIERE**
[72] GIRAUD, WILLIAM JULIUS MCPHIL, US
[73] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2020-05-28
[86] 2018-11-27 (PCT/US2018/062583)
[87] (WO2019/108525)
[30] US (62/592,740) 2017-11-30

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[13] C
[51] **Int.Cl. C12N 9/54 (2006.01) C11D 3/386 (2006.01)**
[25] EN
[54] **AUTOMATIC DISHWASHING DETERGENT COMPOSITION**
[54] **COMPOSITION DE DETERGENT POUR LAVE-VAISSELLE**
[72] JACKSON, MICHELLE, GB
[72] PEREZ-PRAT DE VINUESA, EVA MARIA, GB
[72] TARBIT, DAVID JOHN, GB
[72] SOUTER, PHILIP FRANK, GB
[72] BABE, LILIA MARIA, US
[72] ESTELL, DAVID AARON, US
[72] GOEDEGEBUUR, FRITS, US
[72] MULDER, HARM JAN, US
[72] PRICELIUS, SINA, US
[72] DANKMEYER, LYIDA, US
[72] KAPER, THIJS, US
[72] ENGIN, HATICE BILLUR, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-06-09
[86] 2018-12-17 (PCT/US2018/065920)
[87] (WO2019/125986)
[30] EP (17208474.1) 2017-12-19

[11] **3,085,653**
[13] C
[51] **Int.Cl. G06N 3/04 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **EVOLUTION OF ARCHITECTURES FOR MULTITASK NEURAL NETWORKS**
[54] **EVOLUTION D'ARCHITECTURES POUR RESEAUX NEURONAUX MULTITACHES**
[72] LIANG, JASON ZHI, US
[72] MEYERSON, ELLIOT, US
[72] RISTO, MIIKKULAINEN, US
[73] COGNIZANT TECHNOLOGY SOLUTIONS U.S. CORPORATION, US
[85] 2020-06-11
[86] 2018-12-13 (PCT/US2018/065472)
[87] (WO2019/118737)
[30] US (62/598,409) 2017-12-13
[30] US (62/627,166) 2018-02-06
[30] US (62/662,082) 2018-04-24
[30] US (16/212,830) 2018-12-07

[11] **3,086,287**
[13] C
[51] **Int.Cl. D02G 3/12 (2006.01) D02G 3/32 (2006.01) D02G 3/36 (2006.01) D02G 3/44 (2006.01)**
[25] EN
[54] **COMPOSITE CORE YARN, ARTICLE OF CLOTHING COMPRISING A COMPOSITE CORE YARN, METHOD FOR PRODUCING A COMPOSITE CORE YARN AND USE OF A COMPOSITE CORE YARN**
[54] **FIL D'AME COMPOSITE, VETEMENT COMPRENANT UN FIL D'AME COMPOSITE, PROCEDE DE PRODUCTION DE FIL D'AME COMPOSITE ET UTILISATION DE FIL D'AME COMPOSITE**
[72] KONUKOGLU, HAKAN, XX
[72] AYDIN, GOKHAN, XX
[73] SANKO TEKSTIL ISLETMELERI SAN. TIC. A.S.,
[85] 2020-06-18
[86] 2018-12-21 (PCT/EP2018/086696)
[87] (WO2019/122378)
[30] EP (17210449.9) 2017-12-22

[11] **3,087,146**
[13] C
[51] **Int.Cl. G01N 21/61 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING A GIVEN GAS SPECIES PRESENT IN GASEOUS SAMPLE USING GAS FILTER CORRELATION SPECTROSCOPY**
[54] **SYSTEME ET METHODE POUR DETECTER UNE ESPECE DE GAZ DONNEE PRESENTE DANS UN ECHANTILLON GAZEUX AU MOYEN DE LA SPECTROSCOPIE DE CORRELATION DU FILTRE GAZEUX**
[72] BABIN, FRANCOIS, CA
[72] GRAVEL, JEAN-FRANCOIS, CA
[72] DUFOUR, PASCAL, CA
[73] INSTITUT NATIONAL D'OPTIQUE, CA
[86] (3087146)
[87] (3087146)
[22] 2020-07-17

[11] **3,087,629**
[13] C
[51] **Int.Cl. G06F 17/00 (2019.01) A63F 13/85 (2014.01)**
[25] EN
[54] **SYSTEM FOR MANAGING USER EXPERIENCE AND METHOD THEREFOR**
[54] **SYSTEME DE GESTION D`EXPERIENCE UTILISATEUR ET PROCEDE ASSOCIE**
[72] GAUFFIN, ANTON, DE
[73] HUUUGE GLOBAL LTD., CY
[86] (3087629)
[87] (3087629)
[22] 2020-07-22
[30] US (16521857) 2019-07-25

[11] **3,088,026**
[13] C
[51] **Int.Cl. H04N 19/60 (2014.01) H04N 19/105 (2014.01) H04N 19/124 (2014.01) H04N 19/18 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **IMAGE CODING METHOD ON BASIS OF TRANSFORMATION AND DEVICE THEREFOR**
[54] **PROCEDE DE CODAGE D'IMAGE SUR LA BASE D'UNE TRANSFORMEE ET SON DISPOSITIF**
[72] SALEHIFAR, MEHDI, KR
[72] KIM, SEUNGHWAN, KR
[72] KOO, MOONMO, KR
[72] LIM, JAEHYUN, KR
[73] LG ELECTRONICS INC., KR
[85] 2020-06-15
[86] 2018-12-13 (PCT/KR2018/015815)
[87] (WO2019/117639)
[30] US (62/599,020) 2017-12-15

[11] **3,088,386**
[13] C
[51] **Int.Cl. G21C 7/14 (2006.01)**
[25] EN
[54] **ACTUATING MECHANISM OF A SYSTEM FOR THE CONTROL AND PROTECTION OF A NUCLEAR REACTOR**
[54] **MECANISME EXECUTEUR DE SYSTEME DE COMMANDE ET DE PROTECTION DE REACTEUR NUCLEAIRE**
[72] KUDRYAVTSEV, MIKHAIL YURYEVICH, RU
[73] STATE ATOMIC ENERGY CORPORATION "ROSATOM" ON BEHALF OF THE RUSSIAN FEDERATION, RU
[85] 2020-07-13
[86] 2018-12-24 (PCT/RU2018/000855)
[87] (WO2019/139503)
[30] RU (2018101359) 2018-01-15

[11] **3,088,407**
[13] C
[51] **Int.Cl. B32B 15/04 (2006.01) B32B 27/04 (2006.01) H01B 5/10 (2006.01) H01B 7/17 (2006.01) H02G 1/02 (2006.01) H02G 1/04 (2006.01) H02G 7/02 (2006.01) H02G 7/04 (2006.01) H02G 7/05 (2006.01) H02G 15/18 (2006.01)**
[25] EN
[54] **TERMINATION ARRANGEMENT FOR AN OVERHEAD ELECTRICAL CABLE**
[54] **AGENCEMENT DE RACCORDEMENT POUR CABLE ELECTRIQUE AERIEN**
[72] BOSZE, ERIC, US
[72] WONG, CHRISTOPHER, US
[72] PILLING, IAN M., US
[72] WEBB, WILLIAM, US
[72] PILLING, DOUGLAS A., US
[73] CTC GLOBAL CORPORATION, US
[85] 2020-07-13
[86] 2019-01-24 (PCT/US2019/014986)
[87] (WO2019/147838)
[30] US (62/621,173) 2018-01-24

[11] **3,088,618**
[13] C
[51] **Int.Cl. A61K 36/489 (2006.01) A01N 65/20 (2009.01) A23K 20/20 (2016.01) A23K 50/80 (2016.01) A01P 17/00 (2006.01) A61P 33/14 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR PREVENTING OR TREATING FISH PARASITIC INFECTIONS, INCLUDING EXTRACTS OF SOPHORA FLAVESCENS AITON OR FRACTIONS THEREOF**
[54] **COMPOSITIONS POUR PREVENIR OU TRAITER LES INFECTIONS PARASITIQUES DES POISSONS, Y COMPRIS DES EXTRAITS DE SOPHORA FLAVESCENS AITON OU DES FRACTIONS CONNEXES**
[72] LEE, TAE HUN, KR
[72] CHOI, WON SIK, KR
[72] JUNG, TEA SUNG, KR
[72] SON, SE JIN, KR
[72] KIM, TAE GYU, KR
[73] JEONJIN BIO CO., LTD., KR
[85] 2020-07-15
[86] 2018-01-29 (PCT/KR2018/001249)
[87] (WO2019/146826)

[11] **3,088,626**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 34/00 (2016.01) A61B 34/20 (2016.01) A61B 5/055 (2006.01) A61B 6/00 (2006.01) A61N 5/10 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM AND COMPUTER PROGRAM FOR DETERMINING POSITION AND/OR ORIENTATION PARAMETERS OF AN ANATOMICAL STRUCTURE**
[54] **PROCEDE, SYSTEME ET PROGRAMME INFORMATIQUE POUR DETERMINER LA POSITION ET/OU L'ORIENTATION DES PARAMETRES D'UNE STRUCTURE ANATOMIQUE**
[72] LACHNER, RAINER, DE
[72] STEDELE, KATRIN, DE
[73] BRAINLAB AG, DE
[85] 2020-07-30
[86] 2019-05-23 (PCT/EP2019/063398)
[87] (WO2019/063398)

[11] **3,088,914**
[13] C
[51] **Int.Cl. G01C 21/34 (2006.01) B60L 53/50 (2019.01)**
[25] EN
[54] **NAVIGATION METHOD AND SYSTEM FOR ELECTRIC VEHICLES BASED ON ELECTRICITY QUANTITY GUIDANCE OF ENERGY-STORAGE CHARGING PILES**
[54] **PROCEDE ET SYSTEME DE NAVIGATION DE VEHICULE ELECTRIQUE REPOSANT SUR UN GUIDAGE DE PUISSANCE DE PILE DE CHARGE A STOCKAGE D'ENERGIE**
[72] WEI, TAO, CN
[72] HUANG, JINGWEN, CN
[72] LUO, JIAREN, CN
[72] LIU, JIN, CN
[73] WEI, TAO, CN
[73] HUANG, JINGWEN, CN
[73] LUO, JIAREN, CN
[73] LIU, JIN, CN
[85] 2020-07-15
[86] 2018-12-17 (PCT/CN2018/121459)
[87] (WO2019/128755)
[30] CN (201711463873.6) 2017-12-28
[30] CN (201721880343.7) 2017-12-28

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[13] C
[51] **Int.Cl. G01G 19/08 (2006.01) H04W 4/38 (2018.01) G01B 3/1061 (2020.01) H04W 4/80 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MOBILE DIMENSIONING AND WEIGHING**
[54] **SYSTEMES ET PROCEDES DE DIMENSIONNEMENT ET DE PESAGE MOBILES**
[72] CAMPBELL, STEWART, US
[72] HINES, PAUL STEVEN, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2020-07-21
[86] 2019-01-15 (PCT/US2019/013580)
[87] (WO2019/152179)
[30] US (15/885,184) 2018-01-31

[11] **3,089,317**
[13] C
[51] **Int.Cl. G06F 30/20 (2020.01)**
[25] EN
[54] **UTILITY STRUCTURE MODELING AND DESIGN**
[54] **MODELISATION ET CONCEPTION DE STRUCTURE D'UTILITAIRE**
[72] SCHULZE, WILLIAM, US
[72] WILLITT, BRETT, US
[72] FORD, MICHAEL H., US
[72] CAIN, DAVID, US
[72] OVERLY, TIMOTHY G. S., US
[72] RATLIFF, MICHAEL, US
[72] WENTWORTH, JEREMY, US
[72] KRAMB, KEVAN, US
[73] BENTLEY SYSTEMS, INCORPORATED, US
[85] 2020-07-22
[86] 2019-02-22 (PCT/US2019/019208)
[87] (WO2019/165248)
[30] US (62/634,532) 2018-02-23

[11] **3,089,980**
[13] C
[51] **Int.Cl. G01D 5/20 (2006.01) G05G 1/30 (2009.01) B23K 9/095 (2006.01) G05F 5/04 (2006.01)**
[25] EN
[54] **INDUCTIVE POSITION SENSOR WITH SWITCH FUNCTION**
[54] **CAPTEUR DE POSITION INDUCTIF A FONCTION DE COMMUTATION**
[72] HOEGER, MICHAEL V., US
[73] ILLINOIS TOOL WORKS INC., US
[86] (3089980)
[87] (3089980)
[22] 2020-08-13
[30] US (16/543,008) 2019-08-16

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[13] C
[51] **Int.Cl. F17C 9/02 (2006.01)**
[25] EN
[54] **LIQUEFIED FLUID SUPPLY SYSTEM AND LIQUEFIED FLUID-SPRAYING APPARATUS**
[54] **SYSTEME D'ALIMENTATION EN FLUIDE LIQUEFIE ET APPAREIL DE PULVERISATION DE FLUIDE LIQUEFIE**
[72] MAENO, JUN, JP
[72] SADAKI, AKIRA, JP
[72] GOHDA, LEONA, JP
[72] KAWAHARA, SHINYA, JP
[73] IHI CORPORATION, JP
[85] 2020-07-30
[86] 2019-01-29 (PCT/JP2019/002898)
[87] (WO2019/151216)
[30] JP (2018-015682) 2018-01-31

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[13] C
[51] **Int.Cl. G06Q 30/0201 (2023.01) G06N 20/00 (2019.01)**
[25] EN
[54] **TRANSACTION CLASSIFICATION BASED ON TRANSACTION TIME PREDICTIONS**
[54] **CLASSIFICATION DE TRANSACTION BASEE SUR DES PREDICTIONS DE TEMPS DE TRANSACTION**
[72] WU, GRACE, US
[73] INTUIT INC., US
[85] 2020-08-05
[86] 2019-01-17 (PCT/US2019/013906)
[87] (WO2019/190617)
[30] US (15/935,997) 2018-03-26

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[13] C
[51] **Int.Cl. A23D 7/005 (2006.01) A23L 33/00 (2016.01) A23L 33/12 (2016.01) A23D 7/01 (2006.01)**
[25] EN
[54] **LIPID EMULSION NUTRITIONAL PRODUCT**
[54] **PRODUIT NUTRITIONNEL EN EMULSION LIPIDIQUE**
[72] DEMICHELE, STEPHEN, US
[72] VURMA, MUSTAFA, US
[72] TERP, MEGAN, US
[73] ABBOTT LABORATORIES, US
[85] 2020-08-07
[86] 2019-02-19 (PCT/US2019/018496)
[87] (WO2019/161362)
[30] US (62/632,139) 2018-02-19

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[51] **Int.Cl. B07B 13/18 (2006.01) B07B 1/42 (2006.01) B07B 13/16 (2006.01)**
[25] EN
[54] **MINERALS PROCESSING**
[54] **TRAITEMENT DE MINERAUX**
[72] MDLAZI, LUNGILE, ZA
[73] WEIR MINERALS AFRICA (PROPRIETARY) LIMITED, ZA
[85] 2020-08-11
[86] 2019-03-11 (PCT/IB2019/051958)
[87] (WO2019/175746)
[30] GB (1803962.8) 2018-03-13

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[13] C
[51] **Int.Cl. A61F 9/00 (2006.01) A61F 9/007 (2006.01)**
[25] EN
[54] **OCULAR IMPLANT AND DELIVERY SYSTEM**
[54] **IMPLANT OCULAIRE ET SYSTEME DE POSE**
[72] BLANDA, WENDY, US
[72] SCHIFFMAN, RHETT, US
[73] ALCON INC., CH
[85] 2020-08-12
[86] 2019-02-19 (PCT/US2019/018559)
[87] (WO2019/164834)
[30] US (62/633,823) 2018-02-22

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[13] C
[51] **Int.Cl. B29C 64/153 (2017.01) B33Y 10/00 (2015.01) B33Y 70/10 (2020.01) C08J 7/06 (2006.01)**
[25] EN
[54] **NANOPARTICLE-COATED ELASTOMERIC PARTICULATES AND SURFACTANT-PROMOTED METHODS FOR PRODUCTION AND USE THEREOF**
[54] **MATIERES PARTICULAIRES ELASTOMERIQUES REVETUES DE NANOPARTICULES ET PROCEDES DE FABRICATION A AGENT DE SURFACE PROMOTEUR**
[72] CLARIDGE, ROBERT, CA
[72] RESETCO, CHRISTINA, CA
[72] SRISKANDHA, SHIVANTHI EASWARI, CA
[72] FARRUGIA, VALERIE, CA
[72] ZWARTZ, EDWARD G., CA
[73] XEROX CORPORATION, US
[86] (3091659)
[87] (3091659)
[22] 2020-08-31
[30] US (62/897514) 2019-09-09
[30] US (16/946625) 2020-06-30

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[13] C
[51] **Int.Cl. E21B 17/01 (2006.01) E21B 17/04 (2006.01) E21B 17/07 (2006.01)**
[25] EN
[54] **LARGE-WIDTH/DIAMETER RISER SEGMENT LOWERABLE THROUGH A ROTARY OF A DRILLING RIG**
[54] **SEGMENT DE COLONNE MONTANTE A GRAND DIAMETRE/LARGEUR POUVANT ETRE ABAISSE PAR LE BIAIS D'UN ORGANE ROTATIF D'UNE INSTALLATION DE FORAGE**
[72] FRACZEK, JUSTIN, US
[72] ARTHION, RANDY, US
[72] GIDMAN, ALEX, US
[72] KENNEDY, ROLAND, US
[73] GRANT PRIDECO, INC., US
[86] (3092241)
[87] (3092241)
[22] 2014-05-01
[62] 2,911,287
[30] US (61/819,210) 2013-05-03

[11] **3,092,364**
[13] C
[51] **Int.Cl. H04L 12/16 (2006.01) H04L 43/0817 (2022.01) H04L 67/10 (2022.01) H04L 67/1008 (2022.01) H04L 67/1031 (2022.01) H04L 67/1034 (2022.01) H04L 67/1097 (2022.01) H04L 67/60 (2022.01) G06F 11/07 (2006.01) G06F 15/16 (2006.01)**
[25] EN
[54] **LIVE MIGRATION OF CLUSTERS IN CONTAINERIZED ENVIRONMENTS**
[54] **MIGRATION EN DIRECT DE GRAPPES DANS DES ENVIRONNEMENTS CONTENEURISES**
[72] SMITH, DANIEL VERITAS, US
[73] GOOGLE LLC, US
[86] (3092364)
[87] (3092364)
[22] 2020-09-08
[30] US (62/899,794) 2019-09-13
[30] US (16/579,945) 2019-09-24

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[13] C
[51] **Int.Cl. E21B 43/12 (2006.01)**
[25] EN
[54] **UNIBODY BYPASS PLUNGER AND VALVE CAGE WITH SEALABLE PORTS**
[54] **PISTON DE DERIVATION MONOBLOC ET CAGE DE SOUPAPE AVEC ORIFICES SCELLABLES**
[72] BOYD, MITCHELL A., US
[72] BOYD, GARRETT S., US
[73] FLOWCO PRODUCTION SOLUTIONS, LLC, US
[85] 2020-09-03
[86] 2019-03-06 (PCT/US2019/021035)
[87] (WO2019/173531)
[30] US (62/639,388) 2018-03-06

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[11] **3,093,666**
[13] C
[51] **Int.Cl. F15D 1/02 (2006.01) E21B 43/12 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **SELECTIVE FLOW CONTROL USING CAVITATION OF SUBCOOLED FLUID**
[54] **CONTROLE DE FLUX SELECTIF UTILISANT LA CAVITATION DE FLUIDE SOUS-REFROIDI**
[72] STOLBOUSHKIN, EUGENE, US
[72] KENDALL, ALEXANDER, US
[72] GRAFFAGNINO, CORINNE, US
[73] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[86] (3093666)
[87] (3093666)
[22] 2020-09-18
[30] US (62/903502) 2019-09-20
[30] US (16/998149) 2020-08-20

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[11] **3,093,858**
[13] C
[51] **Int.Cl. F16H 7/22 (2006.01) F16H 57/035 (2012.01) F16H 9/10 (2006.01) F16H 9/24 (2006.01) F16H 55/12 (2006.01)**
[25] EN
[54] **PULLEY ASSEMBLY FOR A SEGMENTED PULLEY TRANSMISSION AND ACTUATOR SYSTEM FOR THE SAME**
[54] **ENSEMBLE POULIE POUR TRANSMISSION A POULIE SEGMENTEE ET SYSTEME D'ACTIONNEMENT DESTINE AUDIT ENSEMBLE**
[72] FONDYGA, SARAH, CA
[72] SHILLINGER, JACK, CA
[72] WONG, ANTHONY, CA
[73] INMOTIVE INC., CA
[85] 2020-09-14
[86] 2018-11-20 (PCT/CA2018/051475)
[87] (WO2019/173896)
[30] US (62/642,979) 2018-03-14

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[13] C
[51] **Int.Cl. A01B 63/24 (2006.01) A01B 63/32 (2006.01) A01C 5/06 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **AGRICULTURAL ROW UNIT ACCESSORY**
[54] **ACCESSOIRE D'UNITE DE RANGEE AGRICOLE**
[72] SIVINSKI, JEFFREY ALAN, US
[73] HARVEST INTERNATIONAL, INC., US
[85] 2020-09-14
[86] 2019-03-13 (PCT/US2019/022072)
[87] (WO2019/178243)
[30] US (62/643,862) 2018-03-16

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[11] **3,094,158**
[13] C
[51] **Int.Cl. B65D 23/14 (2006.01) B65D 33/16 (2006.01)**
[25] EN
[54] **CLOSURE ARTICLE WITH AUXILIARY FASTENER**
[54] **ARTICLE DE FERMETURE A ELEMENT DE FIXATION AUXILIAIRE**
[72] MILBRANDT, JAY, US
[72] SCHILLER, DAVID, US
[72] WINTZ, TREVOR, US
[72] TSCHETTER, JEFFREY, US
[72] O'DONNELL, COLIN, US
[73] BEDFORD INDUSTRIES, INC., US
[85] 2020-09-16
[86] 2019-03-19 (PCT/US2019/022939)
[87] (WO2019/183069)
[30] US (62/645,460) 2018-03-20

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[11] **3,094,492**
[13] C
[51] **Int.Cl. A24F 40/65 (2020.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR AEROSOL PROVISION SYSTEM CONSUMABLE AUTHORISATION**
[54] **PROCEDE ET APPAREIL D'AUTORISATION DE CONSOMMABLES DE SYSTEME DE FOURNITURE D'AEROSOL**
[72] MOLONEY, PATRICK, GB
[72] KORUS, ANTON, GB
[72] CHAN, JUSTIN HAN YANG, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2020-09-18
[86] 2019-03-27 (PCT/GB2019/050877)
[87] (WO2019/186158)
[30] GB (1805205.0) 2018-03-29

[11] **3,094,576**
[13] C
[51] **Int.Cl. E04F 13/18 (2006.01) C08K 3/013 (2018.01) C08J 5/04 (2006.01) C08K 3/34 (2006.01) C08L 27/06 (2006.01)**
[25] EN
[54] **POLYMERIC-BASED BUILDING MATERIALS**
[54] **MATERIAUX DE CONSTRUCTION A BASE POLYMERIQUE**
[72] FAN, JIA, US
[72] PARKER, DAVID JOEL, JR., US
[73] CPG INTERNATIONAL LLC, US
[86] (3094576)
[87] (3094576)
[22] 2020-09-25
[30] US (62/906480) 2019-09-26

[11] **3,094,851**
[13] C
[51] **Int.Cl. A61N 2/04 (2006.01)**
[25] EN
[54] **CENTRAL NERVE MAGNETIC STIMULATION DEVICE AND HEALTHCARE OR MEDICAL INSTRUMENT HAVING SAME**
[54] **DISPOSITIF DE STIMULATION MAGNETIQUE DU NERF CENTRAL ET INSTRUMENT DE SOINS DE SANTE OU MEDICAL LE COMPRENANT**
[72] ZHENG, YUNFENG, CN
[72] GENG, KUI, CN
[73] ZHENG, YUNFENG, CN
[85] 2020-09-23
[86] 2019-03-26 (PCT/CN2019/079655)
[87] (WO2019/184904)
[30] CN (201810253246.8) 2018-03-26

[11] **3,095,163**
[13] C
[51] **Int.Cl. A61F 2/88 (2006.01) A61F 2/90 (2013.01)**
[25] EN
[54] **STENT**
[54] **ENDOPROTHESE VASCULAIRE**
[72] GILMARTIN, GARY, IE
[72] FOLAN, MARTYN G., IE
[72] TONER, GERALDINE ALICE, IE
[72] TIERNEY, PAUL E., IE
[72] COLLINS, DAVID, IE
[73] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2020-09-24
[86] 2019-04-08 (PCT/US2019/026407)
[87] (WO2019/199702)
[30] US (62/655,025) 2018-04-09

[11] **3,095,320**
[13] C
[51] **Int.Cl. H01F 27/245 (2006.01) H01F 1/16 (2006.01) C21D 8/12 (2006.01) H01F 41/02 (2006.01)**
[25] EN
[54] **IRON CORE FOR TRANSFORMER**
[54] **NOYAU DE FER POUR TRANSFORMATEUR**
[72] OMURA, TAKESHI, JP
[72] INOUE, HIROTAKA, JP
[72] OKABE, SEIJI, JP
[73] JFE STEEL CORPORATION, JP
[85] 2020-09-25
[86] 2019-03-29 (PCT/JP2019/014271)
[87] (WO2019/189857)
[30] JP (2018-069889) 2018-03-30

[11] **3,095,395**
[13] C
[51] **Int.Cl. A61M 25/00 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **DEVICE FOR LOCAL ADMINISTRATION OF PHARMACEUTICAL FLUIDS**
[54] **DISPOSITIF D`ADMINISTRATION LOCALE DE LIQUIDES PHARMACEUTIQUES**
[72] KLUGE, THOMAS, DE
[72] VOGT, SEBASTIAN, DE
[73] HERAEUS MEDICAL GMBH, DE
[86] (3095395)
[87] (3095395)
[22] 2020-10-06
[30] EP (19213716.4) 2019-12-05

[11] **3,095,399**
[13] C
[51] **Int.Cl. A47F 5/08 (2006.01) A47G 29/00 (2006.01)**
[25] EN
[54] **BRACKET FOR HANGING RECEPTACLE**
[54] **SUPPORT POUR UN RECEPTACLE SUSPENDU**
[72] GARGANO, ANGELO J., US
[73] SNAP-ON INCORPORATED, US
[86] (3095399)
[87] (3095399)
[22] 2020-10-06
[30] US (16/660,326) 2019-10-22

[11] **3,095,509**
[13] C
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/50 (2006.01)**
[25] EN
[54] **AUTO INJECTOR WITH IMPROVED FUNCTIONALITY**
[54] **AUTO-INJECTEUR A FONCTIONNALITE AMELIOREE**
[72] MOELLER, CLAUS SCHMIDT, DK
[73] SHAILY ENGINEERING PLASTICS LIMITED, IN
[85] 2020-09-29
[86] 2019-03-30 (PCT/DK2019/000120)
[87] (WO2019/192662)
[30] DK (PA 2018 00144) 2018-04-04

[11] **3,095,711**
[13] C
[51] **Int.Cl. A24F 40/44 (2020.01)**
[25] EN
[54] **VAPOUR PROVISION SYSTEMS, LIQUID TRANSPORT ELEMENTS AND VAPORISERS FOR VAPOUR PROVISION SYSTEMS, AND METHODS OF ASSEMBLY**
[54] **SYSTEMES D'APPROVISIONNEMENT EN VAPEUR, ELEMENTS DE TRANSPORT DE LIQUIDE ET PULVERISATEURS POUR LES SYSTEMES D'APPROVISIONNEMENT EN VAPEUR, ET METHODES D'ASSEMBLAGE**
[72] POTTER, MARK, GB
[72] TIPTON, WADE, GB
[72] HARRIS, WILLIAM, GB
[72] ROWE, CHRISTOPHER, GB
[72] DAVIES, JAMES, GB
[72] BOONZAIER, JAMES, GB
[72] DEVINE, CONOR, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2020-09-30
[86] 2019-03-15 (PCT/GB2019/050731)
[87] (WO2019/193310)
[30] GB (1805510.3) 2018-04-04

[11] **3,095,807**
[13] C
[51] **Int.Cl. B25J 9/08 (2006.01) B25J 9/10 (2006.01)**
[25] EN
[54] **MANIPULATOR HAVING JOINTS AND MULTI-FUNCTIONAL PROFILE FOR SAME**
[54] **MANIPULATEUR POURVU D'ARTICULATIONS ET PROFILE MULTIFONCTIONNEL POUR CELUI-CI**
[72] RAAK, MARTIN, DE
[72] BERGER, FELIX, DE
[73] IGUS GMBH, DE
[85] 2020-09-30
[86] 2019-02-27 (PCT/EP2019/054794)
[87] (WO2019/174912)
[30] DE (20 2018 101 463.3) 2018-03-15

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[13] C
[51] **Int.Cl. B32B 27/04 (2006.01) B32B 7/12 (2006.01) B32B 17/02 (2006.01) B32B 17/10 (2006.01) B32B 37/12 (2006.01) E04D 3/18 (2006.01) E04D 3/35 (2006.01)**
[25] EN
[54] **ROOF COVER BOARD DERIVED FROM ENGINEERED RECYCLED CONTENT**
[54] **PANNEAU-TOITURE DERIVE D'UN CONTENU RECYCLE PAR INGENIERIE**
[72] RAYMAN, JAN, US
[72] SPENCER, MATTHEW, US
[72] SUPUT, MARKO, US
[72] DERAAD, DEAN, US
[72] LOWER, MARC, US
[72] WINTEROWD, JACK G., US
[73] CONTINUUS MATERIALS INTELLECTUAL PROPERTY, LLC, US
[86] (3096340)
[87] (3096340)
[22] 2020-10-15
[30] US (62/951,933) 2019-12-20

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[13] C
[51] **Int.Cl. B05B 17/06 (2006.01) A24F 47/00 (2020.01)**
[25] EN
[54] **INHALER COMPRISING ATOMIZING UNIT TO ATOMIZE LIQUID BY SURFACE ACOUSTIC WAVE**
[54] **POMPE COMPRENANT UNE UNITE DE VAPORISATION POUR VAPORISER UN LIQUIDE AU MOYEN D'UNE ONDE ACOUSTIQUE DE SURFACE**
[72] MINAMI, YUKI, JP
[72] KUDO, TAKAHISA, JP
[72] INAGAKI, MICHIHIRO, JP
[72] INOUE, JUMPEI, JP
[72] ABE, YUKI, JP
[72] GEERNAERT, ADAM, GB
[72] RUBICONI, FRANCK, GB
[72] COX, SIMON, GB
[72] JOBANPUTRA, RISHI, GB
[73] JAPAN TOBACCO INC., JP
[85] 2020-10-06
[86] 2019-04-09 (PCT/JP2019/015386)
[87] (WO2019/198688)
[30] JP (PCT/JP2018/015128) 2018-04-10
[30] JP (PCT/JP2018/046712) 2018-12-19

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[51] **Int.Cl. B21D 28/26 (2006.01) B21D 28/34 (2006.01) H02G 1/00 (2006.01) H02B 1/03 (2006.01) H02G 3/06 (2006.01) H02G 3/08 (2006.01)**
[25] EN
[54] **PUNCH SET FOR ELECTRICAL BOX**
[54] **ENSEMBLE DE POINTEAUX POUR BOITIER ELECTRIQUE**
[72] HAGEN, BRIAN, US
[72] MCCARTHY, WILLIAM E., US
[72] ARAGONEZ, CHRISTIAN, US
[73] MILBANK MANUFACTURING CO., US
[86] (3096572)
[87] (3096572)
[22] 2020-10-16
[30] US (17/065550) 2020-10-08

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[13] C
[51] **Int.Cl. F25B 45/00 (2006.01) B29C 73/16 (2006.01) B60C 29/06 (2006.01) B60S 5/04 (2006.01) F16L 55/164 (2006.01)**
[25] EN
[54] **FLUID MATERIAL INJECTION DEVICE**
[54] **DISPOSITIF D'INJECTION DE MATIERE FLUIDE**
[72] MATLACK, FLOYD KENT, US
[72] KING, BRIAN E., US
[72] ECKENROTH, ADAM, US
[72] TOURIGNY, JAY S., US
[73] ZYNON TECHNOLOGIES, LLC, US
[85] 2020-10-08
[86] 2019-05-14 (PCT/US2019/032144)
[87] (WO2019/222162)
[30] US (62/672,204) 2018-05-16

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[11] **3,096,982**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **ANTIBODY SPECIFICALLY BINDING TO FOLR1 AND USES THEREOF**
[54] **ANTICORPS SE LIANT SPECIFIQUEMCANT A FOLR1 ET UTILISATIONS ASSOCIEES**
[72] PARK, SOON JAE, KR
[72] CHUNG, HYE-SHIN, KR
[72] LEE, SUNBAE, KR
[73] ALTEOGEN, INC., KR
[85] 2020-10-13
[86] 2019-03-13 (PCT/KR2019/002911)
[87] (WO2019/177372)
[30] KR (10-2018-0029762) 2018-03-14

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[13] C
[51] **Int.Cl. G01F 23/22 (2006.01)**
[25] EN
[54] **CAPACITIVE SENSOR DEVICE**
[54] **DISPOSITIF DE CAPTEUR CAPACITIF**
[72] FECTEAU, MICHAEL T., US
[72] CYR, STEVEN J., US
[72] SEARL, KARL M., US
[73] PITCO FRIALATOR, INC., US
[85] 2020-10-16
[86] 2019-04-05 (PCT/US2019/026052)
[87] (WO2019/204059)
[30] US (62/659,447) 2018-04-18

[11] **3,097,584**
[13] C
[51] **Int.Cl. B23K 9/12 (2006.01) B23K 9/133 (2006.01) B23K 9/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BUFFER SENSING IN A CONTROLLED SHORT CIRCUIT WELDING SYSTEM**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE TAMPON DANS UN SYSTEME DE SOUDAGE A COURT-CIRCUIT COMMANDE**
[72] HUTCHISON, RICHARD MARTIN, US
[72] BATZLER, TODD GERALD, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2020-10-16
[86] 2019-03-29 (PCT/US2019/024943)
[87] (WO2019/217010)
[30] US (15/974,121) 2018-05-08

[11] **3,097,630**
[13] C
[51] **Int.Cl. A61F 2/958 (2013.01) A61M 25/10 (2013.01)**
[25] EN
[54] **BALLOON CATHETERS, SYSTEMS AND METHODS**
[54] **CATHETERS A BALLONNET, SYSTEMES ET PROCEDES**
[72] BOHN, JANE K., US
[72] BRUCHMAN, RICHARD M., US
[72] HYZIN, CHRISTOPHER, US
[72] RITTGERS, MARK A., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-10-16
[86] 2019-04-23 (PCT/US2019/028738)
[87] (WO2019/209837)
[30] US (62/661,942) 2018-04-24

[11] **3,097,644**
[13] C
[51] **Int.Cl. G06Q 10/04 (2023.01) G06N 3/02 (2006.01)**
[25] EN
[54] **COVARIATE PROCESSING WITH NEURAL NETWORK EXECUTION BLOCKS**
[54] **TRAITEMENT COVARIABLE ET BLOCS D'EXECUTION DE RESEAU NEURONAL**
[72] WONG, DANIEL, CA
[72] CARPOV, DMITRI, CA
[72] CHAPADOS, NICOLAS, CA
[73] SERVICENOW CANADA INC., CA
[86] (3097644)
[87] (3097644)
[22] 2020-10-30

[11] **3,097,685**
[13] C
[51] **Int.Cl. C07D 249/04 (2006.01) A61K 31/4192 (2006.01) A61P 25/00 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **2-AMINO-2-(1,2,3-TRIAZOLE-4-YL)PROPANE-1,3-DIOL DERIVATIVE COMPOUND FOR DIRECTLY INHIBITING ASM ACTIVITY, AND USE THEREOF**
[54] **COMPOSE DERIVE DE 2-AMINO-2-(1,2,3-TRIAZOLE-YL)PROPANE-1,3-DIOL POUR INHIBER DIRECTEMENT L'ACTIVITE DE LA SPHINGOMYELINASE ACIDE ET UTILISATION CONNEXE**
[72] BAE, JAE-SUNG, KR
[72] JIN, HEE KYUNG, KR
[72] PARK, MIN HEE, KR
[73] KYUNGPOOK NATIONAL UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION, KR
[85] 2020-10-19
[86] 2019-04-25 (PCT/KR2019/005019)
[87] (WO2019/212196)
[30] KR (10-2018-0050215) 2018-04-30

[11] **3,098,042**
[13] C
[51] **Int.Cl. G06T 7/00 (2017.01) G06T 7/62 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ESTIMATING MECHANICAL PROPERTIES OF ROCKS USING GRAIN CONTACT MODELS**
[54] **SYSTEMES ET PROCEDES D'ESTIMATION DE PROPRIETES MECANIQUES DE ROCHES A L'AIDE DE MODELES DE CONTACT DE GRAINS**
[72] COOK, JENNIE, US
[72] KERIMOV, ABDULLA, US
[72] LANE, NATHAN, US
[73] BP CORPORATION NORTH AMERICA INC., US
[85] 2020-10-21
[86] 2019-06-20 (PCT/US2019/038094)
[87] (WO2019/246319)
[30] US (62/688,912) 2018-06-22

[11] **3,098,659**
[13] C
[51] **Int.Cl. G07D 11/13 (2019.01)**
[25] EN
[54] **PAPER SHEET STORAGE DEVICE AND PAPER SHEET PROCESSING DEVICE**
[54] **DISPOSITIF DE STOCKAGE DE FEUILLES DE PAPIER ET DISPOSITIF DE TRAITEMENT DE FEUILLES DE PAPIER**
[72] YASUTAKA, HIROKAZU, JP
[73] JAPAN CASH MACHINE CO., LTD., JP
[85] 2020-10-28
[86] 2019-03-06 (PCT/JP2019/008800)
[87] (WO2020/003617)
[30] JP (2018-123018) 2018-06-28

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[13] C
[51] **Int.Cl. C04B 14/36 (2006.01) B32B 7/025 (2019.01) C04B 28/02 (2006.01) E04B 5/04 (2006.01) E04B 5/48 (2006.01)**
[25] EN
[54] **ELECTRICALLY CONDUCTIVE BINDER FOR MANUFACTURING HEATABLE BUILDING PARTS**
[54] **LIANT CONDUCTEUR POUR FABRIQUER DES PIECES DE BATIMENT CHAUFFABLES**
[72] MOLFETTA, MARCELLO ANTONIO, IT
[72] GOISIS, MARCO, IT
[73] HEIDELBERG MATERIALS AG, DE
[86] (3098738)
[87] (3098738)
[22] 2020-11-10
[30] EP (19217922.4) 2019-12-19

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[13] C
[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/407 (2006.01) A61P 1/04 (2006.01) A61P 11/00 (2006.01) A61P 19/08 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **CRYSTAL FORMS OF THIOPHENE DERIVATIVES**
[54] **FORME CRISTALLINE DE DERIVE DE THIOPHENE**
[72] ZHANG, DONGLEI, CN
[72] WANG, LIYU, CN
[72] CHANG, YUKUN, CN
[73] TIANJIN HEMAY PHARMACEUTICAL CO., LTD., CN
[85] 2020-10-30
[86] 2019-04-30 (PCT/CN2019/085342)
[87] (WO2019/210865)
[30] CN (201810407741.X) 2018-05-02

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[13] C
[51] **Int.Cl. G06F 16/835 (2019.01)**
[25] EN
[54] **MANAGING DATA OBJECTS FOR GRAPH-BASED DATA STRUCTURES**
[54] **GESTION D'OBJETS DE DONNEES POUR DES STRUCTURES DE ORIENTEES GRAPHES**
[72] KORPMAN, RALPH A., US
[72] HILADO, RUDY R., US
[72] CLEGG, W. RANDAL, US
[72] POST, CINDY A., US
[73] UNITEDHEALTH GROUP INCORPORATED, US
[85] 2020-10-30
[86] 2020-03-30 (PCT/US2020/025642)
[87] (WO2020/205694)
[30] US (62/828,517) 2019-04-03
[30] US (62/828,526) 2019-04-03
[30] US (62/845,084) 2019-05-08
[30] US (62/845,085) 2019-05-08
[30] US (62/845,089) 2019-05-08
[30] US (62/845,109) 2019-05-08
[30] US (62/860,031) 2019-06-11
[30] US (62/860,047) 2019-06-11
[30] US (62/860,050) 2019-06-11
[30] US (62/873,217) 2019-07-12
[30] US (62/874,638) 2019-07-16
[30] US (16/830,534) 2020-03-26

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[13] C
[51] **Int.Cl. A43B 7/12 (2006.01) A43B 23/00 (2006.01)**
[25] EN
[54] **FOOTWEAR WITH WATERPROOF SEAMS**
[54] **CHAUSSURE A COUTURES IMPERMEABLES**
[72] LANKFORD, PETE, US
[72] BODNER, KEITH, US
[73] TBL LICENSING LLC, US
[86] (3099243)
[87] (3099243)
[22] 2020-11-13
[30] US (62/935,876) 2019-11-15

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[13] C
[51] **Int.Cl. H01M 8/2404 (2016.01) H01M 8/0297 (2016.01) H01M 8/241 (2016.01)**
[25] EN
[54] **MANUFACTURING ARRANGEMENT FOR A FUEL CELL STACK AND METHOD FOR MANUFACTURING A FUEL CELL STACK**
[54] **AGENCEMENT DE FABRICATION POUR EMPILEMENT DE PILES A COMBUSTIBLE ET PROCEDE DE FABRICATION D'EMPILEMENT DE PILES A COMBUSTIBLE**
[72] MUNTHE, STEFAN, SE
[73] POWERCELL SWEDEN AB, SE
[85] 2020-11-03
[86] 2019-06-18 (PCT/SE2019/050574)
[87] (WO2020/005137)
[30] SE (1850786-3) 2018-06-26

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[13] C
[51] **Int.Cl. A24F 47/00 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **AN AEROSOL PROVISION DEVICE CONFIGURED TO RECEIVE A PLURALITY OF AEROSOLISABLE MATERIALS**
[54] **DISPOSITIF DE FOURNITURE D'AEROSOL CONFIGURE POUR RECEVOIR UNE PLURALITE DE MATIERES AEROSOLISABLES**
[72] LEAH, THOMAS DAVID, GB
[72] ALLBUTT, BRYAN, GB
[72] HARVEY, LISA, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2020-11-05
[86] 2019-05-08 (PCT/EP2019/061795)
[87] (WO2019/215213)
[30] GB (1807497.1) 2018-05-08

[11] **3,099,578**
[13] C
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/122 (2006.01) A61B 17/128 (2006.01)**
[25] EN
[54] **SURGICAL DEVICE**
[54] **DISPOSITIF CHIRURGICAL**
[72] HUGHETT, JAMES DAVID, US
[72] MARTIN, KEITH EDWARD, US
[72] PRIVITERA, SALVATORE, US
[73] ATRICURE INC., US
[86] (3099578)
[87] (3099578)
[22] 2012-08-15
[62] 2,844,687
[30] US (61/523,805) 2011-08-15

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[13] C
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **LACTOBACILLUS PARACASEI STRAIN AND USE THEREOF**
[54] **SOUCHE DE LACTOBACILLUS PARACASEI ET UTILISATION ASSOCIEE**
[72] KO, GWANG PYO, KR
[72] KIM, WOONKI, KR
[72] JANG, YOU-JIN, KR
[72] SEO, BORAM, KR
[72] LEE, JUNE-CHUL, KR
[72] NAM, TAE-WOOK, KR
[72] KIM, INSU, KR
[72] LEE, JIN- WOO, KR
[73] KO BIOLABS, INC., KR
[85] 2020-11-06
[86] 2019-05-09 (PCT/KR2019/005553)
[87] (WO2019/216662)
[30] KR (10-2018-0053279) 2018-05-09

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[11] **3,100,144**
[13] C
[51] **Int.Cl. A61K 47/12 (2006.01) A61K 9/00 (2006.01) A61K 31/519 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **ORAL SOLUTION FORMULATION OF PALBOCICLIB IN MALIC OR LACTIC ACID BUFFER**
[54] **FORMATION DE SOLUTION BUCCALE COMPOSEE DE PALBOCICLIB DANS UN TAMPON D'ACIDE MALIQUE OU LACTIQUE**
[72] JAIN, ASHWINKUMAR, US
[72] YU, WEILI, US
[73] PFIZER INC., US
[85] 2020-11-12
[86] 2019-05-03 (PCT/IB2019/053650)
[87] (WO2019/220253)
[30] US (62/671,208) 2018-05-14
[30] US (62/835,278) 2019-04-17

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[13] C
[51] **Int.Cl. B21D 28/16 (2006.01) B30B 15/02 (2006.01) B30B 15/04 (2006.01)**
[25] EN
[54] **PRESS RAM FOR A FINE BLANKING PRESS**
[54] **MECANISME D`ENTRAINEMENT A LA PRESSE POUR UNE PRESSE A DECOUPAGE DE PRECISION**
[72] LOZANO BONET, JOSE, DE
[73] LAPMASTER WOLTERS GMBH, DE
[86] (3100180)
[87] (3100180)
[22] 2020-11-20
[30] EP (19213793.3) 2019-12-05

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[11] **3,100,547**
[13] C
[51] **Int.Cl. A61F 2/93 (2013.01)**
[25] EN
[54] **IN VIVO ADJUSTMENT MECHANISM AND ASSOCIATED SYSTEMS AND METHODS**
[54] **MECANISME DE REGLAGE IN VIVO ET SYSTEMES ET PROCEDES ASSOCIES**
[72] BRINKMANN, JOHN M., US
[72] GOODMAN, PAUL D., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-11-16
[86] 2019-06-07 (PCT/US2019/035993)
[87] (WO2019/241057)
[30] US (62/683,295) 2018-06-11

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[13] C
[51] **Int.Cl. H02J 3/18 (2006.01) G01R 31/64 (2020.01)**
[25] EN
[54] **SMART CAPACITOR**
[54] **CONDENSATEUR INTELLIGENT**
[72] A, PRADEEP WILLIAM, IN
[72] CHAKRASALI, MALATESHA B., IN
[72] KULKARNI, RAVINDRA NARAYAN, IN
[72] BASU, SUTANU, IN
[73] SCHNEIDER ELECTRIC USA, INC., US
[86] (3101286)
[87] (3101286)
[22] 2020-12-01
[30] US (62/958,324) 2020-01-08
[30] US (16/988,014) 2020-08-07

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[13] C
[51] **Int.Cl. A47K 10/36 (2006.01) A47K 10/38 (2006.01)**
[25] EN
[54] **DISPENSER FOR ROLLED SHEET MATERIALS**
[54] **DISTRIBUTEUR POUR MATERIAUX EN FEUILLE ROULES**
[72] OSBORNE, CHARLES AGNEW, JR., US
[73] OSBORNE, CHARLES AGNEW, JR., US
[85] 2020-11-23
[86] 2019-05-21 (PCT/US2019/033341)
[87] (WO2019/226668)
[30] US (15/988,579) 2018-05-24

[11] **3,101,430**
[13] C
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR BYPASSING DOWNHOLE EQUIPMENT AND BYPASS MECHANISMS THEREFOR**
[54] **SYSTEME ET METHODE POUR CONTOURNER UN MATERIEL DE FOND DE TROU ET MECANISMES DE DERIVATION CONNEXES**
[72] WATT, ALAN FRASER, CA
[73] SUNCOR ENERGY INC., CA
[86] (3101430)
[87] (3101430)
[22] 2020-12-02

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[13] C
[51] **Int.Cl. G05D 1/02 (2020.01) B60W 50/00 (2006.01) B61L 23/00 (2006.01) B61L 23/02 (2006.01) B61L 23/06 (2006.01)**
[25] EN
[54] **CONTROLLER, SYSTEM AND METHOD FOR VEHICLE CONTROL**
[54] **DISPOSITIF DE COMMANDE, SYSTEME ET PROCEDE DE COMMANDE DE VEHICULE**
[72] YAZHEMSKY, DENNIS, CA
[72] GREEN, ALON, CA
[72] SIROUSPOUR, SHAHIN, CA
[73] GROUND TRANSPORTATION SYSTEMS CANADA INC., CA
[85] 2020-11-25
[86] 2019-06-10 (PCT/IB2019/054830)
[87] (WO2020/030992)
[30] US (62/682,537) 2018-06-08

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[13] C
[51] **Int.Cl. C02F 3/34 (2006.01) C02F 3/00 (2006.01) C02F 3/30 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR THE BIO-REMEDIATION OF A WASTE WATER COMPOSITION**
[54] **APPAREIL POUR LA BIOREMEDIATION D'UNE COMPOSITION D'EAUX USEES**
[72] GENCER, MEHMET A., US
[72] GENCER, KAAN, US
[72] LANGMACK, CLARK B., US
[72] ZAKRISKI, PAUL M., US
[73] IMET CORPORATION, US
[85] 2020-11-25
[86] 2019-12-09 (PCT/US2019/065158)
[87] (WO2020/123344)
[30] US (16/219,096) 2018-12-13

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[13] C
[51] **Int.Cl. B29C 64/153 (2017.01) B29C 64/30 (2017.01)**
[25] EN
[54] **PARTICLES COMPRISING MARKING ADDITIVES FOR SELECTIVE LASER SINTERING-BASED ADDITIVE MANUFACTURING SYSTEMS**
[54] **PARTICULES COMPRENANT DES ADDITIFS DE MARQUAGE POUR DES SYSTEMES DE FABRICATION ADDITIVE A BASE DE FRITTAGE LASER SELECTIF**
[72] HU, NAN XING, CA
[72] WANG, YULIN, CA
[73] XEROX CORPORATION, US
[86] (3102019)
[87] (3102019)
[22] 2020-12-09
[30] US (16/722255) 2019-12-20

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[13] C
[51] **Int.Cl. C11D 3/37 (2006.01) C11D 1/02 (2006.01) C11D 7/34 (2006.01)**
[25] EN
[54] **A FABRIC CARE OR HOME CARE PRODUCT COMPRISING POLYSACCHARIDE DERIVATIVES**
[54] **PRODUIT D'ENTRETIEN DE TISSU OU D'ENTRETIEN MENAGER COMPRENANT DES DERIVES DE POLYSACCHARIDE**
[72] SIVIK, MARK ROBERT, US
[72] HUANG, ZHENGZHENG, US
[72] LU, HELEN S.M., US
[72] NAMBIAR, RAKESH, US
[72] PAULLIN, JAYME L., US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-12-01
[86] 2019-06-19 (PCT/US2019/037856)
[87] (WO2019/246171)
[30] US (62/687,287) 2018-06-20

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[13] C
[51] **Int.Cl. C07D 249/08 (2006.01) A61K 31/4196 (2006.01) A61K 31/497 (2006.01) A61P 35/00 (2006.01) C07D 213/50 (2006.01)**
[25] EN
[54] **3-((PENTAFLUOROSULFANEYL)-5-(TRIFLUOROMETHYL)PHENYL)-TRIAZOLYL DERIVATIVES AND PHARMACEUTICAL COMPOSITIONS THEREOF USEFUL AS NUCLEAR TRANSPORT MODULATORS**
[54] **DERIVES DE 3-((PENTAFLUOROSULFANEYL)-5-(TRIFLUOROMETHYL)PHENYL)-TRIAZOLYL ET COMPOSITIONS PHARMACEUTIQUES CONNEXES UTILES COMME MODULATEURS DE TRANSPORT NUCLEAIRE**
[72] XIANG, JIA-NING, CN
[72] QI, ZUDE, CN
[72] LIU, XIANBO, CN
[72] NING, DEZHENG, CN
[73] XWPHARMA LTD., KY
[85] 2020-12-04
[86] 2019-06-05 (PCT/CN2019/090189)
[87] (WO2019/233447)
[30] CN (PCT/CN2018/090151) 2018-06-06

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[13] C
[51] **Int.Cl. G01V 5/10 (2006.01)**
[25] EN
[54] **DETERMINATION OF ELEMENTAL CONCENTRATIONS FROM THE CAPTURE AND INELASTIC ENERGY SPECTRA**
[54] **DETERMINATION DE CONCENTRATIONS ELEMENTAIRES DE LA CAPTURE ET DES SPECTRES D'ENERGIE INELASTIQUE**
[72] PEMPER, RICHARD R., US
[72] HOU, GUOJING, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2020-12-07
[86] 2018-09-24 (PCT/US2018/052377)
[87] (WO2019/240831)
[30] US (62/683,749) 2018-06-12
[30] US (62/689,337) 2018-06-25

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[13] C
[51] **Int.Cl. C07D 239/42 (2006.01) A61K 31/437 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 217/16 (2006.01) C07D 239/84 (2006.01) C07D 403/04 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **FGFR INHIBITOR, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
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[72] YU, HONGPING, CN
[72] CHEN, ZHUI, CN
[72] XU, YAOCHANG, CN
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[54] **REGULATION DE CHARGE D'ACCESSOIRE ELECTRIQUE A FAIBLE VITESSE DE MOTEUR SUR DES VEHICULES EN MOUVEMENT**
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[72] LYONS, ARTHUR P., US
[72] VOVOS, ROBERT J., US
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[54] **METHODES, SYSTEMES ET DISPOSITIFS POUR REDUIRE LES PERTES DANS LE FER DANS UNE MACHINE ELECTRIQUE EXCITEE PAR UN BLOC D'ALIMENTATION A ONDULEUR**
[72] OHSUGI, YASUO, JP
[73] NIPPON STEEL CORPORATION, JP
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[72] COLLINS, MATTHEW, GB
[72] KENNELL, CHRISTOPHER, GB
[73] OFIP LIMITED, GB
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[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
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[54] **ANTICORPS SE LIANT A LA CLAUDINE 18,2 HUMAINE ET LEURS UTILISATIONS**
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[72] WANG, XIA, CN
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[54] **PROCEDES ET SYSTEMES POUR LA POLYMERISATION D'OLEFINES**
[72] LYNN, TIMOTHY R., US
[72] ZILKER, DANIEL P., US
[72] HUSSEIN, F. DAVID, US
[72] PEQUENO, R. ERIC, US
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[54] **MACHINE ET CARTOUCHE DE DISTRIBUTION DE CREME GLACEE**
[72] SPIRK, JOHN EVAN, US
[72] STEPHAN, GARY ROBERT, US
[72] KLINK, RICHARD, US
[72] VITANTONIO, MARC, US
[72] VELET, ALEXANDER, US
[72] ERTEL, JASON R., US
[72] PEHAR, DAVID, US
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[54] **PROCEDE DE DETERMINATION DE PARAMETRE D'ESPACE DE RECHERCHE ET DISPOSITIF TERMINAL**
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[72] SUN, PENG, CN
[73] VIVO MOBILE COMMUNICATION CO., LTD., CN
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[72] PODMOKLY, DAVID M., US
[72] CHEN, JIANRONG, US
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[72] ESTES, ANDREW C., US
[72] ESTES, JEREMY B., US
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[72] DAVID, ROBERT, DE
[72] RIMMBACH, CHRISTIAN, DE
[72] JUNG, JULIA, DE
[73] UNIVERSITAT ROSTOCK, DE
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[54] **SYSTEME D'ENTREE POUR MOULIN A CYLINDRES, MOULIN A CYLINDRES EQUIPE D'UN TEL SYSTEME D'ENTREE ET PROCEDE POUR LA DETERMINATION DU NIVEAU DE REMPLISSAGE DE PRODUIT A BROYER D'UN RE SERVOIR D'UN MOULIN A CYLINDRES**
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[72] MARINOS, DIMITRIOS, CH
[73] BUHLER AG, CH
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[54] **PROVISIONNEMENT ET SEGMENTATION EN UNITES DE RESEAU A L'AIDE D'UN TERMINAL A DISTANCE**
[72] ACETO, NICHOLAS, US
[72] NATHAN, KEVIN, US
[72] NAHRGANG, KYLE, US
[72] CATULLO, TOM, US
[72] FOLEY, PETE, US
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[54] **FICHE ELECTRIQUE POLARISEE COMPORTANT UN DISPOSITIF DE PROTECTION CONTRE LES SURINTENSITES**
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[54] **PANNEAUX ACOUSTIQUES ET PROCEDES DE PREPARATION DE CEUX-CI**
[72] SHACKLEFORD, DAVID, US
[72] YOU, SIZHU, US
[72] JACEK, STEVEN, US
[72] EVANS, PHILLIP, US
[72] RILE, ALEXIS, US
[72] LEMBO, MICHAEL J., US
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[54] **ENSEMBLE DE PIED POUR SUPPORT DE PATIENT A HAUTEUR REGLABLE**
[72] ROUSSY, RICHARD BRIAN, CA
[72] ELKU, JOSEPH STEVEN DAVID, CA
[73] STRYKER CORPORATION, US
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[54] **BAGUE COLLECTRICE, UNITE BAGUE COLLECTRICE, MACHINE ELECTRIQUE ET EOLIENNE**
[72] BINDER, HERBERT, DE
[72] GRUBER, ROBERT, DE
[72] MEMMINGER, OLIVER, DE
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[72] KIM, DONGKYU, KR
[72] KIM, EUN JI, KR
[72] LEE, JI WON, KR
[72] OH, KYEONGMIN, KR
[72] KIM, AHRONG, KR
[72] SONG, GEUN SEOG, KR
[72] RYU, SHIN-YOUNG, KR
[72] KIM, EUN KYUNG, KR
[72] SHIN, NAREE, KR
[72] KANG, HYUN JI, KR
[72] KIM, JAE MIN, KR
[72] PARK, YU-GYEONG, KR
[72] JEONG, HANEUL, KR
[73] HK INNO.N CORPORATION, KR
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[54] **GESTION DU PERFECTIONNEMENT PROFESSIONNEL**
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[54] **TUBE CREPINE D'OBTURATION TEMPORAIRE**
[72] QIAO, HONGYUN, CN
[72] ZHANG, YOUNGHUA, CN
[72] DUAN, HUIZHU, CN
[72] LI, WEIPING, CN
[73] ANTON OILFIELD SERVICES (GROUP) LTD., CN
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[54] **MODULE FILTRE DOTE D`UN CAPTEUR ET METHODE DE DETERMINATION DE L`ETAT D`UN ELEMENT DE FILTRE**
[72] KLUCK, STEFAN, DE
[72] TAPPER, RENATE, DE
[73] CARL FREUDENBERG KG, DE
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[72] MANTIONE, JOHN V., US
[72] BRYAN, DAVID J., US
[72] GARCIA-AVILA, MATIAS, US
[73] ATI PROPERTIES LLC, US
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[54] **COMPOSITION ET PROCEDE DE FABRICATION DE GRANULES BIODEGRADABLES**
[72] DONG, CHANG, CA
[72] TYAGI, KRITIKA, CA
[72] SIDDIQUI, NUHA, CA
[73] ERTHOS INC., CA
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[54] **RECLAIMING APPARATUS AND METHOD, AND CO2 RECOVERY APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE DE RECUPERATION ET APPAREIL ET METHODE DE RECUPERATION DE CO2**
[72] MIYAMOTO, OSAMU, US
[72] KAMIJO, TAKASHI, JP
[72] TSUJIUCHI, TATSUYA, JP
[73] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
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[54] **CO2 RECOVERY APPARATUS AND CO2 RECOVERY METHOD**
[54] **DISPOSITIF DE RECUPERATION DE CO2 ET PROCEDE DE RECUPERATION DE CO2**
[72] MIYAMOTO, OSAMU, US
[72] KAMIJO, TAKASHI, JP
[72] TSUJIUCHI, TATSUYA, JP
[73] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
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[54] **APPAREIL DE SUPPORT DE RECIPIENT DE BOISSON**
[72] THOMPSON, MARK, GB
[72] HAY, DAVID, GB
[72] HOBDEN, STEPHEN, GB
[73] LAVAZZA PROFESSIONAL UK LIMITED, GB
[85] 2021-02-11
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[54] **BEVERAGE DISPENSING APPARATUS AND METHOD FOR ACTIVE PRESSURE CONTROL THEREOF**
[54] **APPAREIL DE DISTRIBUTION DE BOISSON ET PROCEDE DE COMMANDE DE PRESSION ACTIVE DE CELUI-CI**
[72] HOBDEN, STEPHEN, GB
[72] FLETCHER, PAUL, GB
[73] LAVAZZA PROFESSIONAL UK LIMITED, GB
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[54] **GAS PURIFICATION APPARATUS, SHIP INCLUDING THE SAME, AND GAS PURIFICATION METHOD**
[54] **APPAREIL D'EPURATION DU GAZ, NAVIRE LE COMPRENANT ET METHODE D'EPURATIONDU GAZ**
[72] INUI, MASAYUKI, JP
[72] SUSAKI, MAKOTO, JP
[72] OTANI, AKIHITO, JP
[73] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
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[54] **TEMPS DISPONIBLE AVANT LE DEBUT DE LA RECUPERATION AUTOMATIQUE D'UN AERONEF**
[72] PROSSER, KEVIN, US
[72] FINLAYSON, BLAKE, US
[72] VAIDYA, ABHISHEK, US
[72] SAKHAEI, ALBORZ, US
[73] GULFSTREAM AEROSPACE CORPORATION, US
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[54] **STRUCTURE DE FIXATION ET STRUCTURE D'ASSEMBLAGE D'EMETTEUR DE SYSTEME DE CONTROLE DE PRESSION DE PNEU**
[72] FENG, MEILAI, CN
[72] LI, WEI, CN
[72] SHI, WEIHUA, CN
[72] QIU, ZHENFANG, CN
[72] XU, CHANGWU, CN
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[25] EN
[54] **RAPIDLY AGED, HIGH STRENGTH, HEAT TREATABLE ALUMINUM ALLOY PRODUCTS AND METHODS OF MAKING THE SAME**
[54] **PRODUITS EN ALLIAGE D'ALUMINIUM POUVANT ETRE TRAITES THERMIQUEMENT, A HAUTE RESISTANCE, RAPIDEMENT VIEILLIS ET LEURS PROCEDES DE FABRICATION**
[72] WU, CEDRIC, US
[72] KAMAT, RAJEEV G., US
[72] YUAN, YUDIE, US
[72] LEYVRAZ, DAVID, CH
[72] RICHARD, JULIE, CH
[72] KULKARNI, RAHUL VILAS, US
[72] REDMOND, PETER LLOYD, US
[72] WANG, YI, US
[72] TALLA, RAJASEKHAR, US
[72] MOHANTY, RASHMI RANJAN, US
[72] PIROTEALA, TUDOR, US
[73] NOVELIS INC., US
[85] 2021-02-19
[86] 2019-11-11 (PCT/US2019/060699)
[87] (WO2020/102065)
[30] US (62/758,840) 2018-11-12

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[51] **Int.Cl. F28D 15/02 (2006.01) F25B 1/00 (2006.01) F25B 49/02 (2006.01)**
[25] EN
[54] **HYBRID THERMOSIPHON SYSTEM**
[54] **SYSTEME DE THERMOSIPHON HYBRIDE**
[72] WARREN, JOHN A., US
[72] FRASER, WILLIAM, US
[72] GAMBLE, BAILEY, US
[73] ALASKA NATIVE TRIBAL HEALTH CONSORTIUM, US
[85] 2021-02-22
[86] 2019-08-27 (PCT/US2019/048382)
[87] (WO2020/046969)
[30] US (62/723,400) 2018-08-27

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[25] EN
[54] **PYRAZOLO[3,4-B]PYRIDINE COMPOUNDS AS INHIBITORS OF TAM AND MET KINASES**
[54] **COMPOSES PYRAZOLO[3,4-B]PYRIDINE UTILISES EN TANT QU'INHIBITEURS DE KINASES TAM ET MET**
[72] HINKLIN, RONALD JAY, US
[72] ALLEN, SHELLEY, US
[72] BARBOUR, PATRICK, US
[72] COOK, ADAM, US
[72] DAHLKE, JOSHUA, US
[72] GAUDINO, JOHN, US
[72] LAIRD, ELLEN, US
[72] MCNULTY, OREN T., US
[72] ZHAO, QIAN, US
[73] ARRAY BIOPHARMA INC., US
[85] 2021-02-23
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[30] US (62/724,829) 2018-08-30
[30] US (62/858,686) 2019-06-07

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[51] **Int.Cl. C08L 67/04 (2006.01)**
[25] EN
[54] **PIEZOELECTRIC SENSORS COMPRISING ELECTROSPUN POLY [(R)-3-HYDROXYBUTYRATE-CO-(R)-3-HYDROXYHEXANOATE] (PHBHX) NANOFIBERS**
[54] **CAPTEURS PIEZOELECTRIQUES COMPRENANT DES NANOFIBRES DE POLY [(R)-3-HYDROXYBUTYRATE-CO-(R)-3-HYDROXYHEXANOATE] (PHBHX) ELECTROFILEES**
[72] RABOLT, JOHN F., US
[72] CHASE, D. BRUCE, US
[72] NODA, ISAO, US
[72] SOBIESKI, BRIAN, US
[72] GONG, LIANG, US
[73] UNIVERSITY OF DELAWARE, US
[85] 2021-02-23
[86] 2019-09-20 (PCT/US2019/052291)
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[25] EN
[54] **BIOMIMETIC SYNTHETIC RUBBER**
[54] **CAOUTCHOUC SYNTHETIQUE BIOMIMETIQUE**
[72] WENDLER, ULRICH, DE
[72] MALKE, MARLEN, DE
[72] MULLER, LOWIS-GERRIT-BOJE, DE
[72] SCHULZE GRONOVER, CHRISTIAN, DE
[72] PRUFER, DIRK, DE
[72] WOTZEL, JACQUELINE, DE
[72] BEINER, MARIO, DE
[72] GUPTA, GAURAV, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-02-24
[86] 2018-08-27 (PCT/EP2018/072997)
[87] (WO2020/043268)

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[51] **Int.Cl. C04B 28/00 (2006.01)**
[25] EN
[54] **METHOD FOR RECYCLING MINERAL WOOL, A METHOD FOR PRODUCTION OF ACOUSTICAL PANEL ELEMENTS AND SUCH AN ACOUSTICAL PANEL ELEMENT**
[54] **PROCEDE DE RECYCLAGE DE LAINE MINERALE, PROCEDE DE PRODUCTION D'ELEMENTS DE PANNEAUX ACOUSTIQUES ET ELEMENT DE PANNEAU ACOUSTIQUE**
[72] KARLSSON, OLA, SE
[72] PERSSON, TORBJORN, SE
[73] SAINT-GOBAIN ECOPHON AB, SE
[85] 2021-03-01
[86] 2019-08-28 (PCT/EP2019/072949)
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[51] **Int.Cl. H01M 8/0228 (2016.01) C25B 13/05 (2021.01)**
[25] EN
[54] **METAL MEMBER AND MANUFACTURING METHOD THEREOF**
[54] **ELEMENT METALLIQUE ET METHODE DE FABRICATION**
[72] INUZUKA, RIKO, JP
[72] OSADA, NORIKAZU, JP
[72] YOSHINO, MASATO, JP
[72] ASAYAMA, MASAHIRO, JP
[72] KOBAYASHI, SHOHEI, JP
[72] KAMEDA, TSUNEJI, JP
[73] TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION, JP
[86] (3111133)
[87] (3111133)
[22] 2021-03-03
[30] JP (2020-047270) 2020-03-18

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[13] C
[51] **Int.Cl. B65D 77/06 (2006.01) B65D 77/24 (2006.01)**
[25] EN
[54] **BAG IN BOX CONTAINER AND PROCESS FOR DEPLOYING SUCH A BAG IN BOX CONTAINER**
[54] **CONTENANT CAISSE-OUTRE ET PROCEDE DE DEPLOIEMENT DE CELUI-CI**
[72] BOHACHE, JOSEPH, US
[72] MALOTT, IAN OLIVER, US
[72] TEUFEL, RAINER BERNHARD, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2021-03-02
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[51] **Int.Cl. C11D 3/20 (2006.01) C11D 3/50 (2006.01)**
[25] EN
[54] **CONSUMER PRODUCTS AND DELIVERY SYSTEMS UTILIZING ORGANOLEPTIC COMPOUNDS**
[54] **PRODUITS DE CONSOMMATION ET SYSTEMES DE DISTRIBUTION UTILISANT DES COMPOSES ORGANOLEPTIQUES**
[72] DENUTTE, HUGO ROBERT GERMAIN, BE
[72] SMETS, JOHAN, BE
[72] PORTER, PHILIP JOHN, US
[72] VRIELYNCK, FREEK ANNIE CAMIEL, BE
[72] VAN AKEN, KOEN, BE
[72] RUTTENS, BART ANTOON JUDITH, BE
[72] NARULA, ANUBHAV P.S., US
[72] WEISS, RICHARD A., US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2021-03-03
[86] 2019-10-22 (PCT/US2019/057350)
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[51] **Int.Cl. H04N 19/21 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CODING IMAGE OF VIDEO SEQUENCE, AND TERMINAL DEVICE**
[54] **METHODE ET APPAREIL POUR LE CODAGE D'UNE IMAGE DE SEQUENCE VIDEO ET TERMINAL**
[72] SETHURAMAN, SRIRAM, IN
[72] A, JEEVA RAJ, IN
[72] KOTECHA, SAGAR, IN
[72] MA, XIANG, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-03-04
[86] 2018-09-05 (PCT/CN2018/104239)
[87] (WO2020/047788)

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[13] C
[51] **Int.Cl. H04N 19/51 (2014.01)**
[25] EN
[54] **METHOD FOR SKIPPING REFINEMENT BASED ON PATCH SIMILARITY IN BILINEAR INTERPOLATION BASED DECODER-SIDE MOTION VECTOR REFINEMENT**
[54] **PROCEDE D'OMISSION D'AFFINEMENT EN FONCTION DE LA SIMILARITE DE PARCELLE LORS DE L'AFFINEMENT DE VECTEUR DE MOUVEMENT DE COTE DECODEUR A BASE D'INTERPOLATION BILINEAIRE**
[72] SETHURAMAN, SRIRAM, IN
[72] A, JEEVA RAJ, IN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-03-04
[86] 2019-09-18 (PCT/CN2019/106308)
[87] (WO2020/057524)
[30] IN (201831035309) 2018-09-19

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[25] FR
[54] **METHOD FOR CULTIVATING A MICROORGANISM OF INTEREST AND ASSOCIATED FACILITY**
[54] **PROCEDE DE CULTURE D'UN MICROORGANISME D'INTERET ET INSTALLATION ASSOCIEE**
[72] HOFFMANN, PIERRE-ALAIN, FR
[72] GLEYSES, EVELYNE, FR
[73] KYANOS BIOTECHNOLOGIES, FR
[85] 2021-03-05
[86] 2019-09-12 (PCT/EP2019/074424)
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[25] EN
[54] **DEVICE FOR SUTURE ATTACHMENT FOR MINIMALLY INVASIVE HEART VALVE REPAIR**
[54] **DISPOSITIF DE FIXATION DE SUTURE POUR REPARATION DE VALVULE CARDIAQUE MINIMALEMENT INVASIVE**
[72] CAFFES, LEVI, US
[72] HELGERSON, JOEL, US
[72] SCHIFLE, ANDREW, US
[72] EDMISTON, DARYL, US
[72] GARVIN, GRAHAM, US
[73] NEOCHORD, INC., US
[85] 2021-03-05
[86] 2019-09-09 (PCT/US2019/050210)
[87] (WO2020/051583)
[30] US (62/728,349) 2018-09-07

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[25] EN
[54] **SOFT TISSUE CUTTING INSTRUMENT WITH SELF LOCKING, MULTI-POSITION, AND SLIDE BUTTON LINEARLY ACTUATED RETRACTABLE BLADE OR HOOK**
[54] **INSTRUMENT DE COUPE DE TISSU MOU AVEC AUTO-VERROUILLAGE, MULTI-POSITION ET BOUTON OU CROCHET RETRACTABLE A ACTIONNEMENT LINEAIRE A BOUTON COULISSANT**
[72] WILLARD, BENJAMIN, US
[73] CONMED CORPORATION, US
[85] 2021-03-10
[86] 2019-10-02 (PCT/US2019/054273)
[87] (WO2020/072628)
[30] US (62/740,500) 2018-10-03

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[51] **Int.Cl. A61K 47/36 (2006.01) A61K 9/00 (2006.01) A61K 9/52 (2006.01) A61K 31/40 (2006.01) A61K 31/485 (2006.01) A61K 38/07 (2006.01) A61K 47/12 (2006.01) A61K 47/14 (2017.01) C07K 7/02 (2006.01)**
[25] EN
[54] **ORAL FORMULATIONS OF KAPPA OPIOID RECEPTOR AGONISTS**
[54] **FORMULATIONS ORALES D'AGONISTES DES RECEPTEURS OPIACES KAPPA**
[72] WILSON, BRYAN R., US
[72] O'CONNOR, STEPHEN J., US
[73] CARA THERAPEUTICS, INC., US
[85] 2021-03-10
[86] 2019-09-13 (PCT/US2019/051002)
[87] (WO2020/056249)
[30] US (62/731,802) 2018-09-14

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[51] **Int.Cl. H04B 7/26 (2006.01) G10L 15/00 (2013.01) G10L 15/22 (2006.01)**
[25] EN
[54] **TALK GROUP MANAGEMENT USING VOICE CONTROL**
[54] **GESTION DE GROUPE DE DISCUSSION A L`AIDE DE COMMANDE VOCALE**
[72] KING, MELANIE, US
[72] BRYANT, ERIN B., US
[72] JARVINEN, JARI, US
[72] SIDDOWAY, CRAIG, US
[73] MOTOROLA SOLUTIONS, INC., US
[86] (3112553)
[87] (3112553)
[22] 2021-03-17
[30] US (16/834,713) 2020-03-30

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[13] C
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **A METHOD, DEVICE AND COMPUTER READABLE MEDIA FOR SLOT FORMAT CONFIGURATION**
[54] **PROCEDE, DISPOSITIF ET SUPPORT LISIBLE PAR ORDINATEUR DESTINES A UNE CONFIGURATION DE FORMAT DE CRENEAU**
[72] YUAN, FANG, CN
[72] LIANG, LIN, CN
[72] WANG, GANG, CN
[73] NEC CORPORATION, JP
[85] 2021-03-17
[86] 2018-09-19 (PCT/CN2018/106570)
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[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/07 (2013.01) A61F 2/844 (2013.01) A61F 2/24 (2006.01)**
[25] EN
[54] **CONSTRAINING MECHANISMS FOR SELECTIVE DEPLOYMENT AND ASSOCIATED METHODS**
[54] **MECANISMES DE CONTRAINTE POUR LE DEPLOIEMENT SELECTIF ET PROCEDES ASSOCIES**
[72] STASTKA, JERRY J., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2021-03-19
[86] 2019-10-04 (PCT/US2019/054652)
[87] (WO2020/072876)
[30] US (62/741,948) 2018-10-05
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[25] EN
[54] **RUNWAY-EMBEDDED FLASH LIGHTING DEVICE**
[54] **DISPOSITIF LUMINEUX DE PISTE CLIGNOTANT INTEGRE**
[72] MIZOBE, NORIMASA, JP
[73] HOTALUX, LTD., JP
[85] 2021-03-23
[86] 2019-08-21 (PCT/JP2019/032558)
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[30] JP (2018-201404) 2018-10-26

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[51] **Int.Cl. A61L 27/14 (2006.01) A61F 2/02 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IMPLANTABLE MEDICAL DEVICES AND VASCULARIZATION MEMBRANES**
[54] **METHODES ET SYSTEMES POUR DISPOSITIFS MEDICAUX IMPLANTABLES ET MEMBRANES DE VASCULARISATION**
[72] NEUENFELDT, STEVEN KENT, US
[72] JOHNSON, ROBERT C., US
[73] PROCYON TECHNOLOGIES LLC, US
[73] UNIVERSITY OF ARIZONA, US
[85] 2021-03-24
[86] 2019-09-24 (PCT/US2019/052728)
[87] (WO2020/068852)
[30] US (62/735,697) 2018-09-24
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[51] **Int.Cl. H04L 9/30 (2006.01) G06Q 20/38 (2012.01) G06F 21/64 (2013.01) G06F 16/27 (2019.01) G06F 7/00 (2006.01) H04L 9/14 (2006.01)**
[25] EN
[54] **MANAGEMENT OF CRYPTOGRAPHICALLY SECURE EXCHANGES OF DATA ASSOCIATED WITH PRODUCT LIFECYCLE EVENTS USING PERMISSIONED DISTRIBUTED LEDGERS**
[54] **GESTION D'ECHANGES CHIFFRES DE DONNEES ASSOCIEES A DES EVENEMENTS RELATIFS A LA DUREE DE VIE D'UN PRODUIT AU MOYEN DE GRANDS LIVRES DISTRIBUES AVEC PERMISSIONS**
[72] CHOW, ARTHUR CARROLL, CA
[72] DUNJIC, MILOS, CA
[72] HALDENBY, PERRY AARON JONES, CA
[72] LEE, JOHN JONG-SUK, CA
[72] NGUYEN, ANTHONY HAITUYEN, CA
[72] DOYLE, CASEY LYN, CA
[72] PATEL, HET ANAND, CA
[72] MCCANN, STEPHEN JOHN, CA
[73] THE TORONTO-DOMINION BANK, CA
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[87] (3114591)
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[25] EN
[54] **DEVICES AND METHODS FOR POSTERIOR RESECTION IN ROBOTICALLY ASSISTED PARTIAL KNEE ARTHROPLASTIES**
[54] **DISPOSITIFS ET METHODES DE RESECTION POSTERIEURE DANS LES CAS D`ARTHROPLASTIE PARTIELLE DU GENOU ASSISTEE PAR ROBOT**
[72] GOGARTY, EMILY, CA
[72] MERETTE, JEAN-SEBASTIEN, CA
[72] PELLETIER, BENOIT, CA
[72] LY, SUNTARA, CA
[72] BOUVIER, EMMANUELLE, CA
[73] ORTHOSOFT ULC, CA
[86] (3114820)
[87] (3114820)
[22] 2021-04-12
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[25] EN
[54] **THERAPEUTIC AGENT FOR NEURODEGENERATIVE DISEASE**
[54] **AGENT THERAPEUTIQUE POUR MALADIE NEURODEGENERATIVE**
[72] MIYAZAKI, TORU, JP
[73] MIYAZAKI, TORU, JP
[85] 2021-03-30
[86] 2019-09-30 (PCT/JP2019/038530)
[87] (WO2020/071318)
[30] JP (2018-186759) 2018-10-01

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[51] **Int.Cl. B65D 33/25 (2006.01)**
[25] EN
[54] **FOUR-FLANGE CHILD-RESISTANT ZIPPER AND BAG**
[54] **SAC ET FERMETURE A GLISSIERE A L'EPREUVE DES ENFANTS A QUATRE BRIDES**
[72] SEPTIEN ROJAS, JOSE MANUEL, US
[72] KNIGHT, NIGEL, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2021-03-31
[86] 2019-10-07 (PCT/US2019/054942)
[87] (WO2020/073038)
[30] US (62/741,721) 2018-10-05
[30] US (16/594,327) 2019-10-07

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[51] **Int.Cl. F26B 5/12 (2006.01) F26B 15/12 (2006.01) F26B 21/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR A DRYER SYSTEM**
[54] **PROCEDE ET APPAREIL POUR UN SYSTEME DE SECHAGE**
[72] NEWLAND, JEEM EDWARD, III, US
[72] FELDMANN, WILLIAM MARK, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2021-03-31
[86] 2019-09-30 (PCT/US2019/053873)
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[25] EN
[54] **LAWN MOWER AND BLADE ASSEMBLY**
[54] **TONDEUSE ET ASSEMBLAGE DE LAME**
[72] YAMAOKA, TOSHINARI, CN
[72] LIU, TIANLIANG, CN
[73] NANJING CHERVON INDUSTRY CO., LTD., CN
[86] (3115256)
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[22] 2021-04-15
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[30] US (17/212,053) 2021-03-25

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[25] EN
[54] **RETRACTABLE STORAGE SYSTEM FOR HANDHELD ELECTRONIC DEVICE**
[54] **SYSTEME DE STOCKAGE RETRACTABLE POUR DISPOSITIF ELECTRONIQUE PORTATIF**
[72] MERENDA, JOHN, US
[73] ADVANCED ACCESS TECHNOLOGIES LLC, US
[86] (3115591)
[87] (3115591)
[22] 2013-04-29
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[30] US (61/639,968) 2012-04-29
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[51] **Int.Cl. C07D 249/08 (2006.01) C07D 401/06 (2006.01)**
[25] EN
[54] **PREPARATION METHOD FOR EFINACONAZOLE**
[54] **PROCEDE DE PREPARATION D'EFINACONAZOLE**
[72] WEI, YANJUN, CN
[72] WANG, JIAN, CN
[72] XING, YANPING, CN
[73] VIWIT PHARMACEUTICAL CO., LTD., CN
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[54] **PRODUCTION METHOD OF POLYPROPYLENE SHEET**
[54] **PROCEDE DE PRODUCTION DE FEUILLE DE POLYPROPYLENE**
[72] NAKAJIMA, TAKESHI, JP
[72] IKEDA, MASAYUKI, JP
[72] KATAGIRI, AKIHIRO, JP
[73] SUNALLOMER LTD., JP
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[25] EN
[54] **HIERARCHICAL DEEP NEURAL NETWORK FORECASTING OF CASHFLOWS WITH LINEAR ALGEBRAIC CONSTRAINTS**
[54] **RESEAU NEURONAL PROFOND HIERARCHIQUE PREVOYANT LES FLUX DE TRESORERIE SELON DES CONTRAINTES ALGEBRIQUES LINEAIRES**
[72] DASGUPTA, SAMBARTA, US
[72] KUMAR, SRICHARAN KALLUR PALLI, US
[72] SHASHIKANT RAO, SHASHANK, US
[72] DILLARD, COLIN R., US
[73] INTUIT INC., US
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[25] EN
[54] **PROCESS FOR PRODUCING TACTILE FEATURES ON FLEXIBLE FILMS**
[54] **PROCEDE DE PRODUCTION DE CARACTERISTIQUES TACTILES SUR DES PELLICULES SOUPLES**
[72] TERUEL, NELSON LUIS BERTAZZO, BR
[73] CHROMA PAPER, LLC, US
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[51] **Int.Cl. A24F 40/85 (2020.01)**
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[54] **CLEANING KIT FOR AEROSOL GENERATING DEVICE**
[54] **TROUSSE DE NETTOYAGE POUR UN DISPOSITIF PULVERISATEUR**
[72] AN, HWI KYEONG, KR
[72] KIM, JONG MYUNG, KR
[72] YOON, SEOK SUN, KR
[72] LEE, JONG IK, KR
[72] YIM, SEUNG PEEL, KR
[73] KT&G CORPORATION, KR
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[25] EN
[54] **RESERVOIR FLUID PROPERTY MODELING USING MACHINE LEARNING**
[54] **MODELISATION DES CARACTERISTIQUES DE FLUIDES DANS UN RESERVOIR AU MOYEN DE L`APPRENTISSAGE AUTOMATIQUE**
[72] SINGH, AJAY PRATAP, US
[72] PURWAR, SURYANSH, US
[72] DEV, ASHWANI, US
[72] PRIYADARSHY, SATYAM, US
[73] LANDMARK GRAPHICS CORPORATION, US
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[51] **Int.Cl. G01N 33/564 (2006.01) G01B 5/00 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **BIOMARKERS FOR A SYSTEMIC LUPUS ERYTHEMATOSUS (SLE) DISEASE ACTIVITY IMMUNE INDEX THAT CHARACTERIZES DISEASE ACTIVITY**
[54] **BIOMARQUEURS D'INDICE IMMUNITAIRE D'ACTIVITE DE MALADIE DU LUPUS ERYTHEMATEUX DISSEMINE (SLE) QUI CARACTERISE UNE ACTIVITE DE MALADIE**
[72] JAMES, JUDITH ANN, US
[72] MUNROE, MELISSA ELIZABETH, US
[73] OKLAHOMA MEDICAL RESEARCH FOUNDATION, US
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[54] **DISTRIBUTEUR DE PRODUIT GRANULAIRE**
[72] LAGACE, CHAD, US
[72] JOHANSON, JAMES, US
[73] SONOCO DEVELOPMENT, INC., US
[85] 2021-04-14
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[54] **HIGH-DENSITY FIBER OPTIC MODULES AND MODULE HOUSINGS AND RELATED EQUIPMENT**
[54] **MODULES ET LOGEMENTS DE MODULE EN FIBRE OPTIQUE HAUTE DENSITE ET EQUIPEMENT ASSOCIE**
[72] COOKE, TERRY L, US
[72] DAVIS, GERALD J., US
[72] DEAN, DAVID L., JR., US
[72] GONZALEZ GARCIA, MARCO A., US
[72] KLAVUHN, TORY A., US
[72] LOPEZ SANCHEZ, MANUEL A., MX
[72] RHONEY, BRIAN K., US
[72] UGOLINI, ALAN W., US
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
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[87] (3116865)
[22] 2010-06-15
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[30] US (61/218,870) 2009-06-19
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[51] **Int.Cl. G08B 21/18 (2006.01) H02P 25/032 (2016.01) F16K 31/04 (2006.01)**
[25] EN
[54] **ELECTRONICALLY CONTROLLED MOTOR-DRIVEN DEVICE WITH VIBRATIONAL ACOUSTIC ALERT CAPABILITY**
[54] **DISPOSITIF A MOTEUR A COMMANDE ELECTRONIQUE DOUE D'UNE CAPACITE D'ALERTE ACOUSTIQUE VIBRATOIRE**
[72] OLLANDER, MARK D., US
[72] CARLSON, DANIEL E., US
[72] RUMORE, MICHAEL ADAM, US
[73] FLOWSERVE PTE. LTD., SG
[85] 2021-04-16
[86] 2019-10-08 (PCT/US2019/055203)
[87] (WO2020/081290)
[30] US (16/165,049) 2018-10-19

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[51] **Int.Cl. F04D 13/14 (2006.01) F04D 15/00 (2006.01) F04D 15/02 (2006.01)**
[25] EN
[54] **ENERGY-SAVING OPTIMIZATION FOR A PUMPING PLANT**
[54] **OPTIMISATION ECONOMISANT DE L'ENERGIE POUR UNE INSTALLATION DE POMPAGE**
[72] REISMANN, OLAF, DE
[72] HAAS, DOMINIC, DE
[73] ABB SCHWEIZ AG, CH
[85] 2021-04-22
[86] 2019-10-22 (PCT/EP2019/078703)
[87] (WO2020/083897)
[30] EP (18202587.4) 2018-10-25

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[51] **Int.Cl. H04L 67/51 (2022.01) H04W 4/50 (2018.01)**
[25] EN
[54] **A METHOD, AND NODES, FOR DISCOVERING SERVICES IN A TELECOMMUNICATION NETWORK PROVIDED BY A NETWORK FUNCTION, NF, IN A SERVICE BASED ARCHITECTURE, SBA, BASED TELECOMMUNICATION NETWORK**
[54] **PROCEDE ET NOEUDS DE DECOUVERTE DE SERVICES DANS UN RESEAU DE TELECOMMUNICATION MIS EN OEUVRE PAR UNE FONCTION DE RESEAU (NF) D'UN RESEAU DE TELECOMMUNICATION BASE SUR UNE ARCHITE CTURE DE SERVICES (SBA)**
[72] KELLER, RALF, DE
[72] CASTELLANOS ZAMORA, DAVID, ES
[72] DOPICO SANJUAN, JOSE MIGUEL, ES
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2021-04-22
[86] 2018-12-03 (PCT/EP2018/083379)
[87] (WO2020/083516)
[30] EP (18382757.5) 2018-10-25

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[51] **Int.Cl. H05B 3/14 (2006.01)**
[25] EN
[54] **ELECTRONIC PASTE COMPOSITION, AND PREPARATION METHOD AND USE OF THE SAME**
[54] **COMPOSITION DE PATE ELECTRONIQUE, PROCEDE DE PREPARATION ASSOCIE ET UTILISATION ASSOCIEE**
[72] LIU, HUACHEN, CN
[72] LI, DAN, CN
[72] CHEN, YIKUN, CN
[72] DENG, TENGFEI, CN
[72] LIU, BING, CN
[73] CHINA TOBACCO HUBEI INDUSTRIAL CORPORATION LIMITED, CN
[85] 2021-04-27
[86] 2018-07-23 (PCT/CN2018/096667)
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[51] **Int.Cl. F22D 5/30 (2006.01) F22B 29/06 (2006.01) F22B 35/12 (2006.01) F22D 5/34 (2006.01)**
[25] EN
[54] **FEEDWATER CONTROL FOR A FORCED-FLOW WASTE-HEAT STEAM GENERATOR**
[54] **REGULATION DE L'EAU D'ALIMENTATION POUR GENERATEUR DE VAPEUR A CHALEUR PERDUE A CIRCULATION FORCEE**
[72] BRUCKNER, JAN, DE
[72] SCHULZE, TOBIAS, DE
[72] THOMAS, FRANK, DE
[73] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
[85] 2021-04-27
[86] 2019-09-19 (PCT/EP2019/075105)
[87] (WO2020/088838)
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[25] EN
[54] **CONTAINER AND METHOD OF MANUFACTURING THE SAME**
[54] **RECIPIENT ET SON PROCEDE DE FABRICATION**
[72] MANDERFIELD, GROVER, US
[72] PALMER, JOE, US
[72] HERNANDEZ, DAVID, US
[72] WADE, DENA, US
[72] APPLEGATE, DANIEL, US
[72] BOLLINGER, AARON, US
[73] ALTIUM PACKAGING LP, US
[85] 2021-04-26
[86] 2020-01-14 (PCT/US2020/013520)
[87] (WO2020/150243)
[30] US (16/252,082) 2019-01-18

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[13] C
[51] **Int.Cl. A61M 25/10 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLED DELIVERY OF MEDICAL DEVICES INTO PATIENT BODIES**
[54] **SYSTEME ET PROCEDE POUR LA POSE D'UN DISPOSITIF DE COMMANDE DE DISPOSITIFS MEDICAUX DANS DES CORPS DE PATIENTS**
[72] GUPTA, VISHAL, US
[73] ANCHOR BALLOON, INC., US
[85] 2021-04-27
[86] 2019-09-25 (PCT/US2019/052955)
[87] (WO2020/091914)
[30] US (16/176,481) 2018-10-31

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[13] C
[51] **Int.Cl. A63G 21/00 (2006.01) A63G 7/00 (2006.01) A63G 21/18 (2006.01)**
[25] EN
[54] **AMUSEMENT RIDE VEHICLE AND VEHICLE CONTROL SYSTEM**
[54] **VEHICULE DE MANEGE ET SYSTEME DE COMMANDE DE VEHICULE**
[72] SMEGAL, RAYMOND T., CA
[72] HUNTER, RICHARD D., CA
[73] PROSLIDE TECHNOLOGY INC., CA
[86] (3118107)
[87] (3118107)
[22] 2013-10-21
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[30] US (61/716,200) 2012-10-19

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[13] C
[51] **Int.Cl. G10L 19/02 (2013.01) G06F 17/14 (2006.01)**
[25] EN
[54] **PERCEPTUAL AUDIO CODING WITH ADAPTIVE NON-UNIFORM TIME/FREQUENCY TILING USING SUBBAND MERGING AND TIME DOMAIN ALIASING REDUCTION**
[54] **CODAGE AUDIO PERCEPTUEL AVEC PAVAGE TEMPS/FREQUENCE NON UNIFORME ADAPTATIF UTILISANT UNE FUSION DE SOUS-BANDES ET UNE REDUCTION DU REPLIEMENT DANS LE DOMAINE TEMPOREL**
[72] WERNER, NILS, DE
[72] EDLER, BERND, DE
[72] DISCH, SASCHA, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-04-22
[86] 2019-10-16 (PCT/EP2019/078112)
[87] (WO2020/083727)
[30] EP (18202927.2) 2018-10-26
[30] EP (19169635.0) 2019-04-16

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[13] C
[51] **Int.Cl. H04N 21/485 (2011.01) H04N 21/472 (2011.01)**
[25] EN
[54] **VIDEO PLAYBACK IN AN ONLINE STREAMING ENVIRONMENT**
[54] **LECTURE VIDEO DANS UN ENVIRONNEMENT DE DIFFUSION EN FLUX CONTINU EN LIGNE**
[72] CIUCA, BOGDAN JOSEPH, US
[72] CASPARRO, TONY JAMES, US
[72] GRUNEWALD, COREY JAMES, US
[72] JAQUISH, MATTHEW JEFFREY, US
[73] NETFLIX, INC., US
[85] 2021-04-28
[86] 2019-11-01 (PCT/US2019/059527)
[87] (WO2020/092999)
[30] US (62/755,326) 2018-11-02
[30] US (16/669,150) 2019-10-30

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[51] **Int.Cl. H04N 19/503 (2014.01) H04N 19/105 (2014.01) H04N 19/109 (2014.01) H04N 19/11 (2014.01) H04N 19/119 (2014.01) H04N 19/122 (2014.01) H04N 19/139 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **METHOD FOR ENCODING/DECODING IMAGE SIGNAL, AND APPARATUS THEREFOR**
[54] **PROCEDE DE CODAGE/DECODAGE D'UN SIGNAL D'IMAGE ET APPAREIL ASSOCIE**
[72] LEE, BAE KEUN, KR
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-04-29
[86] 2019-11-07 (PCT/KR2019/015096)
[87] (WO2020/096388)
[30] KR (10-2018-0136255) 2018-11-08
[30] KR (10-2018-0149064) 2018-11-27
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[51] **Int.Cl. E04B 1/16 (2006.01) E04B 1/34 (2006.01) E04B 1/348 (2006.01) E04F 11/02 (2006.01) E04H 12/34 (2006.01)**
[25] EN
[54] **MODULAR STAIRWELL AND ELEVATOR SHAFT SYSTEM AND METHOD**
[54] **CAGE D'ESCALIER MODULAIRE ET SYSTEME ET PROCEDE DE GAINE D'ASCENSEUR**
[72] COLLINS, ARLAN, US
[72] WOERMAN, MARK, US
[72] DAMENTO, PETER, US
[73] INNOVATIVE BUILDING TECHNOLOGIES, LLC, US
[85] 2021-04-30
[86] 2019-05-08 (PCT/US2019/031370)
[87] (WO2020/101735)
[30] US (62/767,339) 2018-11-14

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[51] **Int.Cl. E21B 4/00 (2006.01) F16J 15/328 (2016.01) F16J 15/3284 (2016.01) B29C 43/18 (2006.01) B29C 43/20 (2006.01) B29C 43/52 (2006.01) E21B 4/02 (2006.01) E21B 7/06 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEMS, AND METHODS FOR A REINFORCED SEAL ELEMENT FOR JOINTS ON A DRILLING TOOL**
[54] **APPAREIL, SYSTEMES ET PROCEDES POUR UN ELEMENT D'ETANCHEITE RENFORCE POUR JOINTS SUR UN OUTIL DE FORAGE**
[72] WONG, CHOOSIANG, US
[72] BHAGWANDIN, STEVE S., US
[72] MARCUCCI, ANGEL JOSE, US
[73] NATIONAL OILWELL DHT, L.P., US
[85] 2021-04-30
[86] 2019-10-31 (PCT/US2019/059130)
[87] (WO2020/092746)
[30] US (62/753,889) 2018-10-31
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[51] **Int.Cl. C03C 21/00 (2006.01) B01J 47/00 (2017.01) C03C 23/00 (2006.01)**
[25] EN
[54] **STRENGTHENED GLASS ARTICLES WITH REDUCED DELAYED BREAKAGE AND METHODS OF MAKING THE SAME**
[54] **ARTICLES EN VERRE RENFORCE A RUPTURE RETARDEE REDUITE ET LEURS PROCEDES DE FABRICATION**
[72] HIGGINBOTTOM, REBECCA VERNON, US
[72] JIANG, WEIRONG, US
[72] MILLER, SEAN THOMAS, US
[73] CORNING INCORPORATED, US
[85] 2021-04-30
[86] 2019-10-21 (PCT/US2019/057166)
[87] (WO2020/092036)
[30] US (62/754,388) 2018-11-01

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[51] **Int.Cl. F16L 33/30 (2006.01) F16L 33/18 (2006.01) F16L 37/098 (2006.01) F16L 37/133 (2006.01) F16L 47/24 (2006.01)**
[25] EN
[54] **MULTI-PART CONNECTOR ASSEMBLY**
[54] **ENSEMBLE CONNECTEUR A PIECES MULTIPLES**
[72] RYMAN, MORGAN, SE
[73] OETIKER SCHWEIZ AG, CH
[85] 2021-05-03
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[51] **Int.Cl. F16L 33/30 (2006.01) F16L 55/11 (2006.01)**
[25] EN
[54] **CONNECTOR**
[54] **RACCORD**
[72] RYMAN, MORGAN, SE
[73] OETIKER SCHWEIZ AG, CH
[85] 2021-05-04
[86] 2018-11-23 (PCT/EP2018/082368)
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[51] **Int.Cl. H04W 76/19 (2018.01) H04W 76/27 (2018.01)**
[25] EN
[54] **APPARATUS, METHOD AND COMPUTER PROGRAM FOR CONNECTION MANAGEMENT**
[54] **APPAREIL, PROCEDE ET PROGRAMME INFORMATIQUE DE GESTION DE CONNEXION**
[72] WON, SUNG HWAN, KR
[73] NOKIA TECHNOLOGIES OY, FI
[85] 2021-05-05
[86] 2018-11-14 (PCT/EP2018/081140)
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[25] EN
[54] **WIRELESS BLOW DRYER**
[54] **SECHOIR SANS FIL**
[72] LEI, YUN, CN
[72] LIU, CHUWEI, CN
[72] ZHANG, YUBIN, CN
[73] SHENZHEN CARKU TECHNOLOGY CO., LIMITED, CN
[86] (3119244)
[87] (3119244)
[22] 2021-05-20
[30] CN (202011251313.6) 2020-11-10
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[51] **Int.Cl. B25F 5/02 (2006.01) B23B 45/02 (2006.01) B23B 47/06 (2006.01) B23B 47/14 (2006.01)**
[25] EN
[54] **DIRECTION SELECTOR MECHANISM FOR A POWER TOOL**
[54] **MECANISME DE SELECTEUR DE DIRECTION POUR UN OUTIL ELECTRIQUE**
[72] DANCE, WILLIAM BERRY, US
[72] PATTERSON, MATTHEW D., US
[73] SNAP-ON INCORPORATED, US
[86] (3119263)
[87] (3119263)
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[30] US (16/890,348) 2020-06-02

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[51] **Int.Cl. A24F 40/10 (2020.01) A24F 40/42 (2020.01) A24F 40/485 (2020.01)**
[25] EN
[54] **COMPONENT FOR A VAPOUR PROVISION SYSTEM**
[54] **COMPOSANT POUR UN SYSTEME DE FOURNITURE DE VAPEUR**
[72] POTTER, MARK, GB
[72] HAINES, RICHARD, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2021-05-07
[86] 2019-10-31 (PCT/GB2019/053091)
[87] (WO2020/095027)
[30] GB (1818270.9) 2018-11-09

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[13] C
[51] **Int.Cl. C11B 1/06 (2006.01) C11B 1/04 (2006.01) C11B 3/00 (2006.01) C11B 3/10 (2006.01) C11B 3/16 (2006.01)**
[25] EN
[54] **METHOD FOR SYNCHRONOUSLY PRESSING OILSEEDS AND REFINING OIL IN SOLID-PHASE**
[54] **METHODE DE PRESSAGE SYNCHRONE DE GRAINES OLEAGINEUSES ET DE RAFFINAGE D'HUILE EN PHASE SOLIDE**
[72] ZHENG, MINGMING, CN
[72] HUANG, FENGHONG, CN
[72] LIU, TIELIANG, CN
[72] WAN, CHUYUN, CN
[72] ZHANG, YONGGEN, CN
[73] OIL CROPS RESEARCH INSTITUTE, CHINESE ACADEMY OF AGRICULTURAL SCIENCES, CN
[86] (3119367)
[87] (3119367)
[22] 2021-05-21
[30] CN (202010443532.8) 2020-05-22

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[51] **Int.Cl. H04N 19/96 (2014.01) H04N 19/119 (2014.01) H04N 19/174 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **VIDEO ENCODER, VIDEO DECODER AND METHODS OF ENCODING OR DECODING A PICTURE**
[54] **CODE VIDEO, DECODEUR VIDEO ET METHODES DE CODAGE OU DE DECODAGE D'UNE IMAGE**
[72] GAO, HAN, DE
[72] ESENLIK, SEMIH, DE
[72] WANG, BIAO, DE
[72] KOTRA, ANAND MEHER, DE
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-05-10
[86] 2019-11-12 (PCT/CN2019/117526)
[87] (WO2020/098649)
[30] US (62/759,929) 2018-11-12

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[13] C
[51] **Int.Cl. G01N 21/84 (2006.01)**
[25] EN
[54] **METHOD OF DETERMINING A CONCENTRATION OF AN ANALYTE IN A BODILY FLUID**
[54] **METHODE DE DETERMINATION D'UNE CONCENTRATION D'UN ANALYTE DANS UN FLUIDE CORPOREL**
[72] LIMBURG, BERND, DE
[72] BERG, MAX, DE
[72] HAILER, FREDRIK, DE
[72] TUERCK, VOLKER, DE
[72] SKURIDINA, DARIA, DE
[72] OSTAPENKO, IRINA, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2021-05-12
[86] 2019-11-29 (PCT/EP2019/083015)
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[54] **VAPOUR DIAGNOSTIC SYSTEM**
[54] **SYSTEME DE DIAGNOSTIC PAR LA VAPEUR**
[72] JAIN, SIDDHARTHA, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2021-05-12
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[54] **SYSTEMS AND METHODS FOR RETRACTABLE MARINE POWER GENERATION**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION D'ENERGIE MARINE RETRACTABLE**
[72] RIKOSKI, RICHARD J., US
[73] HADAL, INC., US
[85] 2021-05-12
[86] 2019-11-21 (PCT/US2019/062609)
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[25] EN
[54] **METHOD AND ARRANGEMENT FOR SUPPORTING A FIRST BEAM BETWEEN A FIRST AND A SECOND SUPPORT STRUCTURE IN A BUILDING FRAME STRUCTURE**
[54] **PROCEDE ET AGENCEMENT POUR SUPPORTER UNE PREMIERE POUTRE ENTRE DES PREMIERE ET SECONDE STRUCTURES DE SUPPORT DANS UNE STRUCTURE DE CHARPENTE DE BATIMENT**
[72] SOIVIO, JAAKKO, FI
[73] PEIKKO GROUP OY, FI
[85] 2021-05-13
[86] 2019-11-27 (PCT/FI2019/050845)
[87] (WO2020/109663)
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[51] **Int.Cl. G06N 5/045 (2023.01) G06Q 40/10 (2023.01)**
[25] EN
[54] **EXPLAINABLE RULE-BASED CALCULATIONS**
[54] **CALCULS EXPLIQUES BASES SUR DES REGLES**
[72] ROSHAN, SHASHI, US
[72] SHARMA, AMINISH, IN
[72] SHAH, MANISH, IN
[72] MAKWANA, ANOOP, US
[72] WANG, GANG, US
[73] INTUIT INC., US
[85] 2021-05-13
[86] 2020-05-21 (PCT/US2020/033925)
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[25] EN
[54] **INTEGRATED PLATFORM AND COMMON SOFTWARE STRUCTURAL ARCHITECTURE FOR AUTONOMOUS AGRICULTURAL VEHICLE AND MACHINERY OPERATION.**
[54] **PLATEFORME INTEGREE ET ARCHITECTURE STRUCTURALE LOGICIELLE COMMUNE POUR L'EXPLOITATION AUTONOME DE VEHICULES ET DE MACHINES AGRICOLE.**
[72] HURD, COLIN JOSH, US
[72] BARGLOF, MARK WILLIAM, US
[72] MILLOY, QUINCY CALVIN, US
[73] RAVEN INDUSTRIES, INC., US
[85] 2021-05-14
[86] 2019-11-15 (PCT/US2019/061867)
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[25] EN
[54] **A METHOD OF PRODUCING SPHERICAL IRON POWDER AND PRODUCTS THEREOF**
[54] **PROCEDE DE PRODUCTION DE POUDRE DE FER SPHERIQUE ET PRODUITS ASSOCIES**
[72] DWARAPUDI, SRINIVAS, IN
[72] RANJAN SINHA, GOURAV, IN
[72] KAMESWARA SRIKAR, SISTA, IN
[72] KUMAR, DEEPAK, IN
[72] SUDAN, MUNISH, IN
[72] NARAYAN VAIDYA, MANISH, CA
[72] BERGTHORSON, JEFFREY, CA
[72] JULIEN, PHILIPPE, CA
[73] TATA STEEL LIMITED, IN
[73] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[85] 2021-05-17
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[54] **EXPANDABLE FILTRATION MEDIA AND GRAVEL PACK ANALYSIS USING LOW FREQUENCY ACOUSTIC WAVES**
[54] **MILIEU DE FILTRATION EXTENSIBLE ET ANALYSE DE FILTRE A GRAVIER A L'AIDE D'ONDES ACOUSTIQUES BASSE FREQUENCE**
[72] PATTERSON, DOUGLAS J., US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2021-05-20
[86] 2019-11-20 (PCT/US2019/062322)
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[25] EN
[54] **ARRANGEMENT FOR MOUNTING A PLANE ON A WALL**
[54] **AGENCEMENT POUR MONTER UN PLAN SUR UN MUR**
[72] VUORENOJA, ARI-MATTI, FI
[72] HIETARANTA, MARKO, FI
[72] HIETARANTA, MARKUS, FI
[73] FRESTEMS OY, FI
[85] 2021-05-20
[86] 2019-11-21 (PCT/FI2019/050833)
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[51] **Int.Cl. G06F 3/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF OPERATING MEDIA PLAYBACK SYSTEMS HAVING MULTIPLE VOICE ASSISTANT SERVICES**
[54] **SYSTEMES ET PROCEDES POUR FAIRE FONCTIONNER DES SYSTEMES DE LECTURE MULTIMEDIA AYANT DE MULTIPLES SERVICES D'ASSISTANT VOCAL**
[72] MYERS, RYAN RICHARD, US
[72] VEGA ZAYAS, LUIS R., US
[72] PARK, SANGAH, US
[73] SONOS, INC., US
[85] 2021-05-28
[86] 2019-12-06 (PCT/US2019/064907)
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[30] US (16/213,570) 2018-12-07

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[25] EN
[54] **METHOD AND DEVICE FOR CONTROLLING LOW-TEMPERATURE REFRIGERATION AIR VALVE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE VANNE D'AIR DE REFRIGERATION A BASSE TEMPERATURE**
[72] LIANG, XIN, CN
[72] YANG, GUOZHONG, CN
[72] WANG, MINGREN, CN
[72] TAN, ZHIJUN, CN
[73] HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[73] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[85] 2021-06-01
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[25] EN
[54] **METHOD FOR PICTURE DECODING, DECODER, AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE DE DECODAGE D'IMAGE, DECODEUR ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] WAN, SHUAI, CN
[72] MA, YANZHUO, CN
[72] HUO, JUNYAN, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-06-03
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[25] EN
[54] **APPARATUS, METHOD AND COMPUTER PROGRAM FOR ENCODING, DECODING, SCENE PROCESSING AND OTHER PROCEDURES RELATED TO DIRAC BASED SPATIAL AUDIO CODING USING DIRECT COMPONENT COMPENSATION**
[54] **APPAREIL, PROCEDE ET PROGRAMME D'ORDINATEUR POUR LE CODAGE, LE DECODAGE, LE TRAITEMENT DE SCENE ET D'AUTRES PROCEDURES ASSOCIEES A UN CODAGE AUDIO SPATIAL BASE SUR LE CODAGE AUDIO DIRECTIONNEL (DIRAC) A L'AIDE D'UNE COMPENSATION DE COMPOSANTE DIRECTIONNELLE**
[72] FUCHS, GUILLAUME, DE
[72] THIERGART, OLIVER, DE
[72] KORSE, SRIKANTH, DE
[72] DOEHLA, STEFAN, DE
[72] MULTRUS, MARKUS, DE
[72] KUECH, FABIAN, DE
[72] BOUTHEON, ALEXANDRE, DE
[72] EICHENSEER, ANDREA, DE
[72] BAYER, STEFAN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-06-04
[86] 2019-12-06 (PCT/EP2019/084055)
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[25] EN
[54] **TAPERED METAL CUP AND METHOD OF FORMING THE SAME**
[54] **COUPELLE METALLIQUE EVASEE ET SON PROCEDE DE FORMATION**
[72] SCOTT, ANTHONY J., US
[73] BALL CORPORATION, US
[85] 2021-06-04
[86] 2019-12-06 (PCT/US2019/064905)
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[25] EN
[54] **ISOINDOLINE COMPOUND, AND PREPARATION METHOD, PHARMACEUTICAL COMPOSITION, AND APPLICATION OF ISOINDOLINE COMPOUND**
[54] **COMPOSE D'ISOINDOLINE, PROCEDE DE PREPARATION, COMPOSITION PHARMACEUTIQUE ET UTILISATION DU COMPOSE D'ISOINDOLINE**
[72] CHEN, XIAOHUA, CN
[72] LI, JIA, CN
[72] CHENG, YU, CN
[72] ZHOU, YUBO, CN
[72] NIE, HUIJUN, CN
[72] WANG, YUJIE, CN
[72] GUO, ANDI, CN
[72] KAN, WEIJUAN, CN
[73] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[85] 2021-06-07
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[51] **Int.Cl. A61B 5/377 (2021.01) A61B 5/24 (2021.01) A61B 5/383 (2021.01)**
[25] EN
[54] **SYSTEM, METHOD, AND COMPUTER ALGORITHM FOR CHARACTERIZATION AND CLASSIFICATION OF ELECTROPHYSIOLOGICAL EVOKED POTENTIALS**
[54] **SYSTEME, PROCEDE ET ALGORITHME INFORMATIQUE POUR CARACTERISER ET CLASSER DES POTENTIELS EVOQUES ELECTROPHYSIOLOGIQUES**
[72] O'BRIEN, RICHARD ARTHUR, US
[72] STASHUK, DAN, CA
[73] SAFEOP SURGICAL INC., US
[86] (3122358)
[87] (3122358)
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[51] **Int.Cl. E02F 9/28 (2006.01) E02F 3/40 (2006.01)**
[25] EN
[54] **WEAR PLATE ASSEMBLY WITH TWO-PART KEY ASSEMBLY**
[54] **ENSEMBLE PLAQUE D'USURE AVEC ENSEMBLE CLAVETTE EN DEUX PARTIES**
[72] LOMBARDO, PASQUALE, US
[72] LOMBARDO, GAETANO, US
[73] LOMBARDO, PASQUALE, US
[73] LOMBARDO, GAETANO, US
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[51] **Int.Cl. E01B 29/32 (2006.01)**
[25] EN
[54] **TIE PLATE DISPENSER AND METHOD THEREFORE**
[54] **DISTRIBUTEUR DE SELLES DE RAIL ET METHODE CONNEXE**
[72] COOTS, COTY T., US
[73] B & B METALS, INC., US
[86] (3122448)
[87] (3122448)
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[51] **Int.Cl. B60R 11/00 (2006.01) F16M 13/02 (2006.01)**
[25] EN
[54] **COLLAPSIBLE MULTIPURPOSE APPARATUS**
[54] **APPAREIL POLYVALENT REPLIABLE**
[72] ZIETARSKY, DARRELL, CA
[72] SOPKA, JASON, CA
[73] ZIETARSKY, DARRELL, CA
[73] SOPKA, JASON, CA
[86] (3122479)
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[51] **Int.Cl. A47J 37/07 (2006.01) F23B 40/02 (2006.01)**
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[54] **PELLET GRILLS**
[54] **GRILS A PASTILLES**
[72] DONNELLY, BRIAN C., US
[72] LUNDBERG, RYAN P., US
[72] ALBRECHT, ETHAN, US
[72] LARSON, DAVID A., US
[73] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2021-06-08
[86] 2019-11-15 (PCT/US2019/061680)
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[25] EN
[54] **ELECTRIC HAIR CLIPPER DRIVEN BY A BRUSHLESS EXTERNAL ROTOR MOTOR**
[54] **TONDEUSE A CHEVEUX ELECTRIQUE ENTRAINEE PAR UN MOTEUR A ROTOR EXTERNE SANS BALAI**
[72] LI. LEI, CN
[73] WUHAN SHERNBAO PET PRODUCTS MANUFACTURING CO., LTD, CN
[86] (3122831)
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[25] EN
[54] **MOVABLE DEVICE, DISTANCE MEASUREMENT DEVICE, IMAGE PROJECTION APPARATUS, VEHICLE, AND MOUNT**
[54] **DISPOSITIF MOBILE, DISPOSITIF DE MESURE DE DISTANCE, APPAREIL DE PROJECTION D'IMAGE, VEHICULE ET SUPPORT**
[72] FUJISHIMA, MASAYUKI, JP
[72] KONISHI, JUNICHI, JP
[72] UENO, TSUYOSHI, JP
[72] TSUKAMOTO, NOBUNARI, JP
[73] RICOH COMPANY, LTD., JP
[85] 2021-06-11
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[51] **Int.Cl. H01M 8/0265 (2016.01)**
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[54] **FUEL CELL FLOW CHANNELS AND FLOW FIELDS**
[54] **CANAUX D'ECOULEMENT DE PILE A COMBUSTIBLE ET CHAMPS D'ECOULEMENT**
[72] LEGER, DAVID EARL, CA
[72] MONTIE, GREG JOHN, CA
[73] LOOP ENERGY INC., CA
[86] (3123208)
[87] (3123208)
[22] 2013-08-14
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[25] EN
[54] **INTERNAL COMBUSTION ENGINE WITH EXHAUST GAS AFTERTREATMENT AND CONTROL OF NITROGEN OXIDE EMISSION**
[54] **MOTEUR A COMBUSTION INTERNE AVEC POST-TRAITEMENT DES GAZ D'ECHAPPEMENT ET COMMANDE DES EMISSIONS D'OXYDE D'AZOTE**
[72] URL, MICHAEL, DE
[72] ARNOLD, GEORG, AT
[72] KOPECEK, HERBERT, AT
[72] SPYRA, NIKOLAUS, AT
[73] INNIO JENBACHER GMBH & CO OG, AT
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[54] **FISH FARMING TANK FOR CULTIVATING LIVING FISH**
[54] **RESERVOIR D'ELEVAGE DE POISSONS DESTINE A L'ELEVAGE DE POISSONS VIVANTS**
[72] MILOVANOVIC, MILAN, NO
[73] ALFA LAVAL CORPORATE AB, SE
[85] 2021-06-15
[86] 2019-12-16 (PCT/EP2019/085261)
[87] (WO2020/126988)
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[51] **Int.Cl. C07D 213/00 (2006.01) A61K 31/136 (2006.01) A61P 27/00 (2006.01)**
[25] EN
[54] **COMPOUND FOR USE IN RETINAL DISEASES**
[54] **COMPOSE DESTINE A ETRE UTILISE DANS DES MALADIES RETINIENNES**
[72] LI, PENG, CN
[72] LI, XIAOLIN, CN
[72] LUO, ZHI, CN
[72] HE, HAIYING, CN
[72] HU, GUOPING, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[73] ZHUHAI UNITED LABORATORIES CO., LTD., CN
[85] 2021-06-15
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[25] EN
[54] **CLAMP ATTACHMENT FOR BOOM OF TELESCOPIC HANDLER AND METHOD OF ASSEMBLING AND PLACING DECKING MATERIAL ON A BUILDING USING THE CLAMP ATTACHMENT**
[54] **ACCESSOIRE DE SERRAGE POUR FLECHE DE MANIPULATEUR TELESCOPIQUE ET PROCEDE D'ASSEMBLAGE ET DE POSITIONNEMENT DE MATERIAU DE PLATELAGE SUR UN BATIMENT A L'AIDE DE L'ACCESSOIRE DE SERRAGE**
[72] BARLOW, JAMES, US
[72] HARKER, JAMES, US
[73] INNOVATECH, LLC, US
[85] 2021-01-06
[86] 2019-07-11 (PCT/US2019/041456)
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[51] **Int.Cl. A61B 5/0215 (2006.01)**
[25] EN
[54] **MEDICAL TREATMENT SYSTEM USING MEASUREMENT DATA FROM MULTIPLE SENSORS**
[54] **SYSTEME DE TRAITEMENT MEDICAL UTILISANT DES DONNEES DE MESURE PROVENANT DE MULTIPLES CAPTEURS**
[72] MINOR, DAVID J., US
[72] TRAPP, BENJAMIN M., US
[72] VECCHIO, CHRISTOPHER J., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2021-06-15
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[25] EN
[54] **ELECTRICALLY CONTROLLED PROPELLANT MATERIALS FOR SUBTERRANEAN ZONAL ISOLATION AND DIVERSION**
[54] **MATERIAUX PROPULSEURS COMMANDES ELECTRIQUEMENT POUR ISOLATION ET DEVIATION DE ZONES SOUTERRAINES**
[72] NGUYEN, PHILIP D., US
[72] WARPINSKI, NORMAN R., US
[72] MARTYSEVICH, VLADIMIR NIKOLAYEVICH, US
[72] DUSTERHOFT, RONALD GLEN, US
[72] REYES, ENRIQUE ANTONIO, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[86] (3123762)
[87] (3123762)
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[25] EN
[54] **MULTI-FUNCTION FIXTURE FOR A LAVATORY SYSTEM**
[54] **ACCESSOIRE A FONCTIONS MULTIPLES POUR SYSTEME DE LAVABO**
[72] LOBERGER, JOHN M., US
[72] KLUCK, SCOTT M., US
[72] HAAS, WILLIAM L., US
[72] DODGE, JASON T., US
[73] BRADLEY FIXTURES CORPORATION, US
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[30] US (16/245,937) 2019-01-11

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[25] EN
[54] **LATTICE FORMATION OF THERMOPLASTIC MATERIALS TO MODEL ELASTIC BEHAVIOR**
[54] **FORMATION DE TREILLIS DE MATERIAUX THERMOPLASTIQUES AFIN DE MODELISER UN COMPORTEMENT ELASTIQUE**
[72] GLAESMAN, CHAD WILLIAM, US
[72] FREENEY, TIMOTHY ALAN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-06-21
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[54] **TRACK LINK HAVING CANTED RAIL SURFACE EDGES AND MACHINE TRACK WITH SAME**
[54] **MAILLON DE CHENILLE AYANT DES BORDS DE SURFACE DE RAIL INCLINES ET CHENILLE DE MACHINE COMPRENANT CELUI-CI**
[72] STEINER, KEVIN, US
[73] CATERPILLAR INC., US
[85] 2021-06-21
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[30] US (16/244,864) 2019-01-10

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[25] EN
[54] **COKE PLANT TUNNEL REPAIR AND FLEXIBLE JOINTS**
[54] **JOINTS DE REPARATION ET FLEXIBLES DE TUNNEL DE COKERIE**
[72] QUANCI, JOHN FRANCIS, US
[72] WEST, GARY DEAN, US
[72] CHARLES, DANIEL C., US
[72] YATES, RYAN L., US
[72] BUTOR, ANDREW MICHAEL, US
[73] SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC, US
[85] 2021-06-24
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[54] **ANTI-TOENAILING TRACK SHOE**
[54] **SABOT DE CHENILLE ANTI-INCLINAISON**
[72] JONES, BENJAMIN I., US
[72] ABELLO, BENOIT, US
[73] CATERPILLAR INC., US
[85] 2021-06-24
[86] 2019-12-16 (PCT/US2019/066484)
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[25] EN
[54] **FAK INHIBITOR AND DRUG COMBINATION THEREOF**
[54] **INHIBITEUR DE FAK ET COMBINAISON DE MEDICAMENTS ASSOCIEE**
[72] DU, WU, CN
[72] LI, YU, CN
[72] WEN, KUN, CN
[72] LI, XINGHAI, CN
[72] CHEN, YUANWEI, CN
[73] HINOVA PHARMACEUTICALS INC., CN
[85] 2021-06-25
[86] 2019-12-24 (PCT/CN2019/128030)
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[25] EN
[54] **IMPROVED SYSTEMS AND METHODS FOR UTILIZING FLUE GAS**
[54] **SYSTEMES ET PROCEDES AMELIORES PERMETTANT D'UTILISER UN GAZ DE COMBUSTION**
[72] MCLAREN, JENNIFER, US
[72] QUANCI, JOHN FRANCIS, US
[72] HANLIN, ANTHONY, US
[73] SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC, US
[85] 2021-06-30
[86] 2019-12-27 (PCT/US2019/068808)
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[25] EN
[54] **BEAM-STEERING DEVICES AND METHODS FOR LIDAR APPLICATIONS**
[54] **DISPOSITIFS DE POINTAGE DE FAISCEAU ET METHODES POUR DES APPLICATIONS LIDAR**
[72] BARIBAULT, ROBERT, CA
[72] OLIVIER, PIERRE, CA
[73] LEDDARTECH INC., CA
[86] (3125718)
[87] (3125718)
[22] 2021-07-21
[30] US (63/054,634) 2020-07-21
[30] US (63/136,765) 2021-01-13
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[25] EN
[54] **REINFORCED PACKAGE**
[54] **EMBALLAGE RENFORCE**
[72] KASTANEK, RAYMOND S., US
[72] FITZWATER, KELLY R., US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2021-07-05
[86] 2020-01-24 (PCT/US2020/014939)
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[51] **Int.Cl. C08G 59/40 (2006.01) C08J 9/00 (2006.01)**
[25] EN
[54] **TWO-PART PHOSPHATE ESTER EPOXY COMPOSITION**
[54] **COMPOSITION EPOXY A BASE D'ESTER DE PHOSPHATE EN DEUX PARTIES**
[72] CZAPLICKI, MICHAEL, US
[72] MORTAZAVIAN, HAMID, US
[72] HICKS, KEVIN, US
[73] ZEPHYROS, INC., US
[85] 2021-07-05
[86] 2020-03-25 (PCT/US2020/024629)
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[51] **Int.Cl. B60C 11/16 (2006.01)**
[25] EN
[54] **PNEUMATIC VEHICLE TIRE**
[54] **PNEUMATIQUE DE VEHICULE**
[72] SCHLITTENHARD, JAN, DE
[72] KOTTER, MAIK, DE
[72] SPECHTMEYER, TORBEN, DE
[73] CONTINENTAL REIFEN DEUTSCHLAND GMBH, DE
[85] 2021-07-07
[86] 2019-12-19 (PCT/EP2019/086140)
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[51] **Int.Cl. H02G 11/00 (2006.01) H02G 3/04 (2006.01)**
[25] EN
[54] **APPARATUS FOR CONNECTING COMPONENTS**
[54] **APPAREIL DE RACCORDEMENT DE COMPOSANTES**
[72] GALETTI, RALPH R., US
[72] LAZZARO, ANTHONY A., US
[73] THE BOEING COMPANY, US
[86] (3126074)
[87] (3126074)
[22] 2018-02-20
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[25] EN
[54] **OBJECT RECEIVING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE RECEPTION D'OBJET**
[72] YANG, YU, CN
[72] SUN, PENG, CN
[73] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2021-07-09
[86] 2020-01-08 (PCT/CN2020/070879)
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[25] EN
[54] **LIGHT BOX AND LIGHT BOX GROUP THEREWITH**
[54] **BOITIER LUMINEUX ET GROUPE DE BOITIERS LUMINEUX ASSOCIE**
[72] ROBL, THOMAS, DE
[73] SLL SERVICE GMBH, DE
[85] 2021-07-12
[86] 2020-02-28 (PCT/EP2020/055278)
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[25] EN
[54] **SYSTEM, METHOD, AND PRODUCT FOR EVENT MONITORING**
[54] **SYSTEME, PROCEDE ET PRODUIT DE SURVEILLANCE D'EVENEMENTS**
[72] BRAND, MAARTEN, US
[72] NELSON, MARK ANDREW, US
[72] BALJI, JACK, US
[72] PONCE DE LEON, PHILIP, US
[72] WITT, ERIK KURT, US
[72] ISAACSON, RAY, US
[72] ROTHENBERG, ASHLEY RACHEL, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2021-07-12
[86] 2020-02-04 (PCT/US2020/016539)
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[25] EN
[54] **A FUSED RING HETEROARYL COMPOUND AS AN ALK4/5 INHIBITOR**
[54] **COMPOSE HETEROARYLE A NOYAU FUSIONNE UTILISE EN TANT QU'INHIBITEUR D'ALK4/5**
[72] SEO, JEONGBEOB, KR
[72] KIM, MOONHWAN, KR
[72] HAN, CHEOLKYU, KR
[72] YOON, CHEOLHWAN, KR
[72] BAE, JONGHWAN, KR
[72] KANG, HONGJUN, KR
[73] BISICHEM CO., LTD., KR
[85] 2021-07-13
[86] 2020-01-19 (PCT/KR2020/000902)
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[25] EN
[54] **RIPPLE NETWORK ACCESS CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE D'ACCES AU RESEAU D'ONDULATION**
[72] SETTER, ANDREW, US
[72] BAUMGARTE, JOSEPH W., US
[73] SCHLAGE LOCK COMPANY LLC, US
[85] 2021-07-14
[86] 2020-01-14 (PCT/US2020/013502)
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[54] **VEHICLE LEVELER WITH DOOR INTERLOCK**
[54] **VERIN DE VEHICULE A INTERVERROUILLAGE DE PORTE**
[72] LEUM, GRANT, US
[72] DEMERATH, ERIC, US
[73] LEUM ENGINEERING, INC. D/B/A DOCKZILLA CO., US
[86] (3127273)
[87] (3127273)
[22] 2021-08-09
[30] US (17/340,670) 2021-06-07
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[54] **HOSE CLAMP**
[54] **COLLIER DE SERRAGE POUR TUYAUX SOUPLES**
[72] WIDRIG, MARKUS, CH
[72] VETTER, ANDREAS, CH
[72] BOSIGER, MAXIME, CH
[73] OETIKER SCHWEIZ AG, CH
[85] 2021-07-21
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[25] EN
[54] **ACOUSTIC CONCENTRATION, TRANSFER AND ANALYSIS OF SAMPLES CONTAINING PARTICLES**
[54] **CONCENTRATION ACOUSTIQUE, TRANSFERT ET ANALYSE D'ECHANTILLONS CONTENANT DES PARTICULES**
[72] ELLSON, RICHARD N., US
[72] STEARNS, RICHARD G., US
[72] HADIMIOGLU, BABUR, US
[73] LABCYTE INC., US
[85] 2021-07-21
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[51] **Int.Cl. F04C 2/107 (2006.01) E21B 43/00 (2006.01) F04C 15/00 (2006.01)**
[25] EN
[54] **ALL-METAL CONICAL COMBINED SCREW PUMP SUITABLE FOR FIELD OF PETROLEUM**
[54] **POMPE A VIS COMBINEE CONIQUE ENTIEREMENT METALLIQUE APPROPRIEE POUR LE DOMAINE DU PETROLE**
[72] LIANG, HAIYANG, CN
[72] ZHOU, GUANG, CN
[72] ZHANG, ZHIHAI, CN
[73] WUXI HENGXIN BEISHI TECHNOLOGY CO., LTD, CN
[85] 2021-07-22
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[87] (WO2020/151279)
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[54] **SIMULATED BATTERY CONSTRUCTION METHOD AND SIMULATED BATTERY CONSTRUCTION DEVICE**
[54] **PROCEDE DE CONSTRUCTION DE BATTERIE SIMULEE ET DISPOSITIF DE CONSTRUCTION DE BATTERIE SIMULEE**
[72] MUNAKATA, ICHIRO, JP
[72] SHOJI, HIDEKI, JP
[73] TOYO SYSTEM CO., LTD., JP
[85] 2021-07-21
[86] 2020-12-16 (PCT/JP2020/046938)
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[54] **CONTROL ROD DRIVE MECHANISM FOR NUCLEAR REACTOR**
[54] **MECANISME D'ENTRAINEMENT DE BARRES DE COMMANDE DE REACTEUR NUCLEAIRE**
[72] STAMBAUCH, KEVIN J., US
[72] DESANTIS, PAUL K., US
[72] MACKOVJAK, ALLAN R., US
[72] MCLAUGHLIN, JOHN P., US
[73] BWXT NUCLEAR OPERATIONS GROUP, INC., US
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[87] (3128766)
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[51] **Int.Cl. G21G 1/02 (2006.01) G21C 23/00 (2006.01)**
[25] EN
[54] **RADIONUCLIDE GENERATION SYSTEM AND METHOD OF PRODUCING RADIONUCLIDES**
[54] **SYSTEME DE GENERATION DE RADIONUCLEIDES ET PROCEDE DE PRODUCTION DE RADIONUCLEIDES**
[72] RICHTER, THOMAS FABIAN, DE
[72] SYKORA, ALEXANDER, DE
[72] WISTUBA, LOTHAR, DE
[73] FRAMATOME GMBH, DE
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[87] (3128914)
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[25] EN
[54] **PAPER COATING COMPOSITION CONTAINING HIGH STARCH LEVELS**
[54] **COMPOSITION DE COUCHAGE DE PAPIER CONTENANT DES TAUX ELEVES D'AMIDON**
[72] FOGG, JAMES, US
[72] HOLLAND, DARYL, US
[73] CORN PRODUCTS DEVELOPMENT, INC., US
[85] 2021-08-10
[86] 2020-02-20 (PCT/US2020/019027)
[87] (WO2020/172400)
[30] US (62/809,177) 2019-02-22
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[51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/34 (2006.01)**
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[54] **A SAFETY INSULIN NEEDLE ASSEMBLY**
[54] **AIGUILLE D'INSULINE SURE**
[72] ZHANG, HONGJIE, CN
[72] WANG, XINGGUO, CN
[73] BERPU MEDICAL TECHNOLOGY CO., LTD, CN
[85] 2021-08-16
[86] 2020-01-21 (PCT/CN2020/073525)
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[54] **HETEROTRICYCLIC DERIVATIVE COMPOUND AND USE OF SAME**
[54] **COMPOSE HETEROCYCLIQUE ET UTILISATION ASSOCIEE**
[72] HONG, DONG JIN, KR
[72] JUNG, SEUNG HYUN, KR
[72] PARK, CHANG HEE, KR
[72] KIM, SEO HEE, KR
[72] HWANG, JI YOUNG, KR
[72] AHN, YOUNG GIL, KR
[73] HANMI PHARMACEUTICAL CO., LTD., KR
[85] 2021-08-16
[86] 2020-02-19 (PCT/KR2020/002427)
[87] (WO2020/171606)
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[54] **HEATED FISHING REEL**
[54] **MOULINET DE PECHE CHAUFFE**
[72] BAKER, AUSTIN, US
[73] BAKER, AUSTIN, US
[85] 2021-08-16
[86] 2020-02-20 (PCT/US2020/019070)
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[54] **JOSEPHSON ANALOG-TO-DIGITAL CONVERTER SYSTEM**
[54] **SYSTEME DE CONVERTISSEUR ANALOGIQUE-NUMERIQUE DE JOSEPHSON**
[72] STOUTIMORE, MICAH JOHN ATMAN, US
[72] MANNING, TIMOTHY ANDREW, US
[72] NOWAKOWSKI, MARK EDWARD, US
[72] MARAKOV, ALEXANDER, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2021-08-12
[86] 2020-02-04 (PCT/US2020/016622)
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[51] **Int.Cl. A61F 2/07 (2013.01) A61F 2/852 (2013.01)**
[25] EN
[54] **MODULAR BRANCHED ENDOPROSTHETIC SYSTEMS, DEVICES, AND METHODS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES ENDOPROTHETIQUES RAMIFIES MODULAIRES**
[72] KORTE, FREDERICK S., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2021-08-18
[86] 2020-02-26 (PCT/US2020/019916)
[87] (WO2020/176631)
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[25] EN
[54] **PROCESS FOR PREPARATION OF NITROGEN OXIDES AND NITRIC ACID FROM NITROUS OXIDE**
[54] **PROCEDE DE PREPARATION D'OXYDES D'AZOTE ET D'ACIDE NITRIQUE A PARTIR D'OXYDE NITREUX**
[72] BUSH, GREGORY E., US
[72] KHRAMOV, MIKHAIL, US
[72] ELMORE, DARRICK K., US
[73] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[86] (3131301)
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[25] EN
[54] **SYSTEM AND METHOD FOR SUBSCRIPTION BASED DEPLOYMENT AND MANAGEMENT OF A COMMUNICATION SYSTEM**
[54] **SYSTEME ET PROCEDE POUR LE DEPLOIEMENT ET LA GESTION D'UN SYSTEME DE COMMUNICATION PAR ABONNEMENT**
[72] GLASS, STEPHEN C., US
[72] KLEIN, DAVID, US
[72] MOSELLE, BLAKE C., US
[72] TOUVANNAS, JOHN, US
[73] MOTOROLA SOLUTIONS, INC., US
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[25] EN
[54] **METHOD OF PRODUCTION OF A COMPOSITE OF YEAST-DERIVED BETA GLUCAN PARTICLE WITH INCORPORATED POORLY-WATER-SOLUBLE LOW-MOLECULAR-WEIGHT COMPOUND, PHARMACEUTICAL PREPARATION AND USE THEREOF**
[54] **PROCEDE DE PRODUCTION D'UN COMPOSITE DE PARTICULE DE BETA-GLUCANE DERIVEE DE LEVURE AVEC UN COMPOSE A FAIBLE POIDS MOLECULAIRE PEU SOLUBLE DANS L'EAU INCORPORE, PREPARATION PHARMACEUTIQUE ET UTILISATION DE CELUI-CI**
[72] RUPHUY CHAN, GABRIELA, CZ
[72] STEPANEK, FRANTISEK, CZ
[72] HANUS, JAROSLAV, CZ
[72] SALAMUNOVA, PETRA, SK
[72] SALON, IVAN, SK
[73] VYSOKA SKOLA CHEMICKO-TECHNOLOGICKA V PRAZE, CZ
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[30] CZ (PV 2019-212) 2019-04-04

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[25] EN
[54] **CHLORIDE-INDUCIBLE PROKARYOTIC EXPRESSION SYSTEM**
[54] **SYSTEME D'EXPRESSION PROCARYOTE INDUCTIBLE PAR CHLORURE**
[72] WIRTH, THOMAS, FI
[72] YRJANHEIKKI, JUHA, FI
[72] SAMARANAYAKE, HARITHA, FI
[72] KARKKAINEN, HANNA-RIIKKA, FI
[72] KURKIPURO, JERE, FI
[72] MIERAU, IGOR, NL
[72] SMITH, WESLEY, FI
[73] AUREALIS THERAPEUTICS AG, CH
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[25] EN
[54] **CAROUSEL RIDE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES POUR MANEGE DE TYPE CARROUSEL**
[72] LOUDON, JERRELL ANDREW, US
[72] KOMIVES, DAVID WAYNE, US
[72] COLON, ELIZABETH TERESA, US
[72] WEIGAND, FRANCIS K., US
[72] GORDON, MICHAEL, US
[72] AHLSTONE, ARTHUR DERBY, US
[72] COATS, DANIEL, US
[72] BORGMAN, BRAD, US
[72] CLARE, DAVE, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-08-27
[86] 2020-03-18 (PCT/US2020/023271)
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[30] US (62/820,092) 2019-03-18
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[25] EN
[54] **TRAVELING PATH PLANNING SYSTEM AND METHOD OF AUTOMATIC HARVESTER**
[54] **SYSTEME DE PLANIFICATION DE TRAJECTOIRE ET METHODE POUR UNE MOISSONNEUSEAUTOMATIQUE**
[72] WU, DI, CN
[72] WANG, BO, CN
[72] ZHANG, XIAO, CN
[72] YAO, YUAN, CN
[72] WANG, QINGQUAN, CN
[72] FAN, SHUN, CN
[72] SHEN, YONGQUAN, CN
[73] FJ DYNAMICS TECHNOLOGY CO., LTD, CN
[85] 2021-09-28
[86] 2019-09-19 (PCT/CN2019/106710)
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[25] EN
[54] **INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, SYSTEM, AND STORAGE MEDIA FOR MANAGING PRODUCT INVENTORY**
[54] **DISPOSITIF DE TRAITEMENT D'INFORMATION, METHODE DE TRAITEMENT D'INFORMATION, SYSTEME ET SUPPORT DE STOCKAGE POUR LA GESTION DES STOCKSD'UN PRODUIT**
[72] NAKASHIMA, TOYOKAZU, JP
[72] HATORI, TAKAYUKI, JP
[72] SAWADA, SHUICHI, JP
[72] KUBO, DAIKI, JP
[72] ISHIKAWA, TOMOKI, JP
[72] OKA, NAOYA, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (3132218)
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[22] 2021-09-28
[30] JP (2020-167236) 2020-10-01

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[25] EN
[54] **SECURITY METHOD AND SYSTEM FOR A VEHICLE**
[54] **PROCEDE ET SYSTEME DE SECURITE POUR UN VEHICULE**
[72] GALLAGHER, ERIC, IE
[72] BOCKUS, VALDAS, IE
[72] LOUGHNANE, COLM, IE
[73] ATSR LIMITED, IE
[85] 2021-09-09
[86] 2020-03-26 (PCT/EP2020/058628)
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[25] EN
[54] **THERMAL DESORPTION OF OILY SOLIDS**
[54] **DESORPTION THERMIQUE DE SOLIDES HUILEUX**
[72] KAPILA, MUKESH, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-09-10
[86] 2020-01-15 (PCT/US2020/013619)
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[25] EN
[54] **HOLLOW SPRING AND MANUFACTURING METHOD THEREOF**
[54] **RESSORT CREUX ET PROCEDE DE FABRICATION**
[72] SAYAMA, HIRONOBU, JP
[73] MITSUBISHI STEEL MFG. CO., LTD., JP
[86] (3133268)
[87] (3133268)
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[25] EN
[54] **TERMINATION FITTING FOR A VENT TUBE**
[54] **RACCORD DE TERMINAISON POUR TUBE D'EVACUATION**
[72] NAGAN, JOSEPH P., US
[73] SILVER ANGELS, LLC, US
[86] (3133523)
[87] (3133523)
[22] 2016-09-02
[62] 2,940,884
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[25] EN
[54] **DOUGH PROCESSING MACHINE FOR TREATING PRODUCTS**
[54] **MACHINE DE TRANSFORMATION DE PATE POUR TRAITER DES PRODUITS**
[72] GEBHARDT, SAMUEL, DE
[72] LANG, JOHANNES, DE
[73] FRITSCH BAKERY TECHNOLOGIES GMBH & CO. KG, DE
[86] (3133612)
[87] (3133612)
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[25] EN
[54] **APPARATUS AND METHODS FOR BUBBLE TRAPS IN FLUIDIC DEVICES**
[54] **APPAREIL ET PROCEDES POUR PIEGES A BULLES DANS DES DISPOSITIFS FLUIDIQUES**
[72] DE VRIES, SAPE, CA
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2021-09-16
[86] 2020-02-25 (PCT/US2020/019656)
[87] (WO2020/190461)
[30] US (62/819,965) 2019-03-18
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[25] EN
[54] **CARGO SECURING DEVICE, TONNEAU COVER SYSTEM, AND METHOD OF USE**
[54] **DISPOSITIF DE FIXATION DE MARCHANDISES, SYSTEME DE COUVRE-CAISSE ET METHODE D'UTILISATION**
[72] DELANEY, DANIEL JOHN, US
[72] FACCHINELLO, JEROME JAMES, US
[73] TECTUM HOLDINGS, INC., US
[86] (3134352)
[87] (3134352)
[22] 2021-10-15
[30] US (17/082,205) 2020-10-28

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[54] **DEVELOPING CARTRIDGE**
[54] **CARTOUCHE DE DEVELOPPEMENT**
[72] IWASA, GO, JP
[73] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2021-09-24
[86] 2020-02-13 (PCT/JP2020/005469)
[87] (WO2020/195291)
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[54] **DEVELOPING CARTRIDGE**
[54] **CARTOUCHE DE DEVELOPPEMENT**
[72] OOKA, KAZUAKI, JP
[73] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2021-09-27
[86] 2020-02-13 (PCT/JP2020/005457)
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[25] EN
[54] **MULTI-LAYER PACKAGING PAD**
[54] **COUSSINS D'EMBALLAGE MULTICOUCHES**
[72] CLARKE, THOMAS F., CA
[72] HANSTOCK, MICHAEL SEAN, CA
[73] WESTERN PLASTICS, INC., CA
[86] (3135395)
[87] (3135395)
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[25] EN
[54] **SYSTEMS AND DEVICES FOR QUALITY MONITORING OF ADDITIVE MANUFACTURING PROCESSES**
[54] **SYSTEMES ET DISPOSITIFS DE CONTROLE DE QUALITE DE PROCEDES DE FABRICATION ADDITIVE**
[72] NORFOLK, MARK I., US
[72] HEHR, ADAM J., US
[73] FABRISONIC LLC, US
[85] 2021-09-29
[86] 2019-12-04 (PCT/US2019/064400)
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[25] EN
[54] **CONJUGATED TRIENE COMPOUND, AND PREPARATION AND APPLICATION THEREOF**
[54] **COMPOSE DE TYPE TRIENE CONJUGUE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] CHEN, BANGCHI, CN
[72] SUN, YINWEI, CN
[72] WANG, ZHONGYUAN, CN
[72] LAI, TENG, CN
[73] ORIENTAL (LUZHOU) AGROCHEMICALS. CO., LTD., CN
[85] 2021-09-29
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[51] **Int.Cl. G06T 19/00 (2011.01) G06T 15/00 (2011.01)**
[25] EN
[54] **THREE-DIMENSIONAL VIRTUAL ENVIRONMENT**
[54] **ENVIRONNEMENT VIRTUEL TRIDIMENSIONNEL**
[72] ROGERS, JOSEPH D., US
[72] ROGERS, MARC E., US
[73] ROAM HOLDINGS, LLC, US
[86] (3135585)
[87] (3135585)
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[25] EN
[54] **CANOLA HYBRID 18GG0660G**
[54] **CANOLA HYBRIDE 18GG0660G**
[72] KOSCIELNY, CHADWICK BRUCE, US
[72] MCCLINCHEY, SCOTT, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3135686)
[87] (3135686)
[22] 2021-10-25
[30] US (17/478,331) 2021-09-17

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[51] **Int.Cl. C25B 11/052 (2021.01) C25B 3/26 (2021.01) C25B 11/03 (2021.01) C25D 3/38 (2006.01) C25D 3/46 (2006.01)**
[25] EN
[54] **ELECTROCATALYSTS SYNTHESIZED UNDER CO2 ELECTROREDUCTION AND RELATED METHODS AND USES**
[54] **ELECTROCATALYSEURS SYNTHETISES PAR ELECTROREDUCTION DE CO2 ET PROCEDES ET UTILISATIONS ASSOCIES**
[72] WANG, YUHANG, CA
[72] SARGENT, EDWARD, CA
[73] TOTAL SE, FR
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2021-10-29
[86] 2020-05-06 (PCT/EP2020/062602)
[87] (WO2020/225315)
[30] US (62/844,482) 2019-05-07
[30] EP (19200609.6) 2019-09-30

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[51] **Int.Cl. C02F 1/28 (2006.01) B01J 20/34 (2006.01) C02F 1/32 (2006.01) C02F 1/72 (2006.01) C02F 1/78 (2006.01) C02F 3/12 (2006.01) C02F 3/00 (2006.01) C02F 3/10 (2006.01) C02F 11/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR REDUCING TOTAL CARBON CONSUMPTION IN THE GENERATION OF LOW CHEMICAL OXYGEN DEMAND TREATED STREAMS**
[54] **PROCEDE ET SYSTEME POUR REDUIRE LA CONSOMMATION TOTALE DE CARBONE DANS LA PRODUCTION DE FLUX TRAITES A FAIBLE DEMANDE CHIMIQUE EN OXYGENE**
[72] LARSON, SIMON, US
[73] SIEMENS ENERGY, INC., US
[85] 2021-10-01
[86] 2020-03-26 (PCT/US2020/025006)
[87] (WO2020/205438)
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[25] EN
[54] **METHODS FOR PERFORMING TASKS INHERENTLY SAFELY IN A TANK CONTAINING HAZARDOUS SUBSTANCES**
[54] **PROCEDES POUR REALISER DES TACHES DE MANIERE INTRINSEQUEMENT SURE DANS UN RESERVOIR CONTENANT DES SUBSTANCES DANGEREUSES**
[72] MEYERS, JOHN W., US
[72] EFFINGER, ROBERT T., US
[72] PONTRELLI, DONALD A., US
[73] TANKBOTS, INC., US
[85] 2021-10-06
[86] 2019-02-20 (PCT/US2019/018788)
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[51] **Int.Cl. G01S 17/93 (2020.01)**
[25] EN
[54] **DETECTION METHOD, DEVICE, MOBILE ROBOT AND STORAGE MEDIUM**
[54] **METHODE DE DETECTION, DISPOSITIF, ROBOT MOBILE ET SUPPORT DE STOCKAGE**
[72] WU, YIHAO, CN
[72] LIANG, KANGHUA, CN
[73] YUNJING INTELLIGENCE TECHNOLOGY (DONGGUAN) CO., LTD., CN
[85] 2021-10-12
[86] 2020-04-08 (PCT/CN2020/083617)
[87] (WO2020/207390)
[30] CN (201910281173.8) 2019-04-09

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[25] EN
[54] **SOYBEAN VARIETY 5PKLQ07**
[54] **VARIETE DE SOYA 5PKLQ07**
[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3138109)
[87] (3138109)
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[51] **Int.Cl. C01B 32/196 (2017.01) C01B 32/184 (2017.01) C01B 32/19 (2017.01)**
[25] EN
[54] **METHOD FOR PREPARATION AND SEPARATION OF ATOMIC LAYER THICKNESS PLATELETS FROM GRAPHITE OR OTHER LAYERED MATERIALS**
[54] **METHODE DE PREPARATION ET DE SEPARATION DE PLAQUETTES D'EPAISSEUR DE COUCHE ATOMIQUE DU GRAPHITE OU D'AUTRES MATERIAUX EN COUCHES**
[72] SAVSUNENKO, OLEKSANDR, UA
[72] POLYAKOVA, ELENA, US
[72] STOLYAROV, DANIEL, US
[73] GRAPHENE LABORATORIES INC., US
[86] (3138656)
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[54] **SYSTEM FOR FORMING EMULSIONS**
[54] **SYSTEME DE FORMATION D'EMULSIONS**
[72] HIDDESSEN, AMY L., US
[72] HINDSON, BENJAMIN J., US
[72] MAKAREWICZ, ANTHONY J., JR., US
[72] MASQUELIER, DONALD A., US
[72] NESS, KEVIN D., US
[72] STEENBLOCK, ERIN R., US
[73] BIO-RAD LABORATORIES, INC., US
[86] (3140602)
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[22] 2011-11-01
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[25] EN
[54] **SELF-ADHERING DRAINAGE/VENTILATION BARRIER FOR BUILDINGS**
[54] **CLOISON D'ARRET DE VENTILATION/DRAINAGE AUTOADHESIVE POUR BATIMENTS**
[72] LOLLEY, KEITH, US
[73] ADVANCED BUILDING PRODUCTS, INC., US
[86] (3140670)
[87] (3140670)
[22] 2021-11-29
[30] US (17/535,278) 2021-11-24
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[25] EN
[54] **SLIDING NOZZLE APPARATUS**
[54] **DISPOSITIF DE BUSE COULISSANTE**
[72] FUJIMOTO, TAKESHI, JP
[72] OTSUKA, AKIRA, JP
[72] IMAHASE, TOSHIHIRO, JP
[73] KROSAKIHARIMA CORPORATION, JP
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[54] **CLIMATE SYSTEM**
[54] **SYSTEME DE CLIMATISATION**
[72] SCHMITT, ERIC HOLLAND, BE
[72] JANSEN, JACO, NL
[72] AARTS, KEES WILHELMUS PETRUS, NL
[72] JANSEN, MAURITS PETRUS MARIA, NL
[72] DE GELDER, VINCENT, NL
[73] BUHLER INSECT TECHNOLOGY SOLUTIONS AG, CH
[85] 2021-11-22
[86] 2020-06-03 (PCT/EP2020/065293)
[87] (WO2020/245158)
[30] EP (19 17 7861.2) 2019-06-03

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[51] **Int.Cl. E21B 47/09 (2012.01) E21B 33/14 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **DISTRIBUTED ACOUSTIC SENSOR WITH TRACKABLE PLUG**
[54] **CAPTEUR ACOUSTIQUE DISTRIBUE AVEC BOUCHON APTE A ETRE SUIVI**
[72] OSBORNE, PAUL M., US
[72] PEREIRA, FRANCIS JOEL, US
[72] HOPWOOD, DALE FRANK, US
[72] SINGH, JOHN, US
[72] MEIER, PAUL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-11-19
[86] 2019-08-02 (PCT/US2019/044905)
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[30] US (16/530,465) 2019-08-02

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[25] EN
[54] **CRYSTALLINE METHYLTHIONINIUM CHLORIDE HYDRATES**
[54] **HYDRATES CRISTALLINS DE CHLORURE DE METHYLTHIONINIUM**
[72] HILFIKER, ROLF, CH
[72] RAGER, TIMO, CH
[73] WISTA LABORATORIES LTD., SG
[86] (3141737)
[87] (3141737)
[22] 2010-09-23
[62] 3,077,911
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[54] **MYSX/ZSH MIXTURE AS SULFIDIZING AGENT**
[54] **MELANGE DE MYSX/ZSH COMME AGENT DE SULFURATION**
[72] FOLCHNANDT, MATTHIAS, DE
[72] KLOBES, OLAF, DE
[72] PICARDI, ULISES, ES
[72] GIMENEZ, RODRIGO M., CL
[72] PRATS, LEANDRO, AR
[73] NOURYON CHEMICALS INTERNATIONAL B.V., NL
[86] (3141755)
[87] (3141755)
[22] 2021-12-09
[30] EP (20383076.5) 2020-12-10

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[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/22 (2006.01) C09K 8/72 (2006.01) G01V 1/30 (2006.01)**
[25] EN
[54] **HIGHLY EFFICIENT ACID-DISTRIBUTING METHOD CONSIDERING SPATIO-TEMPORAL DISTRIBUTION CHARACTERISTICS OF ACID CORROSION CRACK CONDUCTIVITY**
[54] **METHODE DE DISTRIBUTION D'ACIDE TRES EFFICACE, ETANT DONNE LES CARACTERISTIQUES DE DISTRIBUTION SPATIO-TEMPORELLES DE LA CONDUCTIVITE DE CRAQUAGE PAR CORROSION DE L'ACIDE**
[72] LI, YONGMING, CN
[72] PENG, YU, CN
[72] SHI, PENGJUN, CN
[73] SOUTHWEST PETROLEUM UNIVERSITY, CN
[86] (3141850)
[87] (3141850)
[22] 2021-09-24
[30] CN (2021104119749) 2021-04-16

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[54] **DISPOSITIF DE GUIDAGE D'UN FILM TUBULAIRE**
[72] ZIMMERMANN, RICHARD, DE
[73] KDESIGN GMBH, DE
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[25] EN
[54] **CARTON WITH ATTACHMENT FEATURES**
[54] **CARTON COMPRENANT DES ELEMENTS DE FIXATION**
[72] FORD, COLIN P., US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2021-12-09
[86] 2020-07-17 (PCT/US2020/042441)
[87] (WO2021/011839)
[30] US (62/875,698) 2019-07-18

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[25] EN
[54] **BIODEGRADABLE RESIN PARTICLES AND FORMULATION FOR EXTERNAL USE INCLUDINGTHE SAME**
[54] **PARTICULES DE RESINE BIODEGRADABLES ET FORMULATION A USAGE EXTERNE LES COMPRENANT**
[72] NISHIUMI, KENGO, JP
[72] MATSUNO, SHINYA, JP
[73] SEKISUI KASEI CO., LTD., JP
[85] 2021-12-22
[86] 2020-06-25 (PCT/JP2020/024938)
[87] (WO2020/262509)
[30] JP (2019-121383) 2019-06-28

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[25] EN
[54] **SILICON AND GRAPHITE CONTAINING COMPOSITE MATERIAL AND METHOD FOR PRODUCING SAME**
[54] **MATERIAU COMPOSITE CONTENANT DU SILICIUM ET DU GRAPHITE ET PROCEDE DE PRODUCTION ASSOCIE**
[72] CAPIGLIA, CLAUDIO, JP
[72] SHIVAREDDY, SAI, GB
[72] LIU, FENGMING, GB
[73] TALGA TECHNOLOGIES LIMITED, GB
[85] 2021-12-23
[86] 2020-06-26 (PCT/IB2020/056050)
[87] (WO2020/261194)
[30] AU (2019902306) 2019-06-28

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[25] EN
[54] **COMPOUNDS AND METHODS OF USE THEREOF AS ANTIBACTERIAL AGENTS**
[54] **COMPOSES ET LEURS PROCEDES D'UTILISATION EN TANT QU'AGENTS ANTIBACTERIENS**
[72] CROWLEY, BRENDAN M., US
[72] NANTERMET, PHILIPPE, US
[72] OLSEN, DAVID, US
[72] SUZUKI, TAKAO, CN
[73] MERCK SHARP & DOHME LLC, US
[85] 2021-12-30
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[51] **Int.Cl. E21B 7/06 (2006.01)**
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[54] **STEERING ACTUATION MECHANISM**
[54] **MECANISME D'ACTIONNEMENT DE DIRECTION**
[72] CHAMBERS, LARRY DELYNN, US
[72] ZHANG, LIZHENG, US
[72] DEOLALIKAR, NEELESH, US
[72] ZHANG, WEI, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-12-29
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[54] **LIGHT EMITTING DIODE LIGHT STRING**
[54] **BANDE DE LUMIERE A DIODES ELECTROLUMINESCENTES**
[72] TSAI, CHANG FU, CN
[73] TSAI, CHANG FU, CN
[86] (3145852)
[87] (3145852)
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[30] US (63/225,614) 2021-07-26
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[51] **Int.Cl. C10G 9/20 (2006.01) C07C 11/04 (2006.01) C10G 9/16 (2006.01)**
[25] EN
[54] **FURNACE SYSTEMS AND METHODS FOR CRACKING HYDROCARBONS**
[54] **SYSTEMES DE FOUR ET PROCEDES DE CRAQUAGE D'HYDROCARBURES**
[72] ASLANER, WILLIAM A., US
[72] HIRST, THOMAS T., US
[72] SPICER, DAVID, US
[72] STEPHENS, GEORGE, JP
[73] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2022-01-12
[86] 2020-07-22 (PCT/US2020/042987)
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[54] **ELECTROCHEMICAL FET SENSOR**
[54] **CAPTEUR A FET ELECTROCHIMIQUE**
[72] LEFLER, SHARON, IL
[72] TAMIR, IDAN, IL
[72] SCHREIBER, DAVID, IL
[72] MASASA, HILA, IL
[73] QULAB MEDICAL LTD., IL
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[86] 2020-07-10 (PCT/IB2020/000568)
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[30] US (62/873,440) 2019-07-12

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[51] **Int.Cl. G01G 19/12 (2006.01) G06Q 50/02 (2012.01) A01D 90/12 (2006.01) G01G 23/18 (2006.01)**
[25] EN
[54] **PARALLEL MODE GRAIN CART SCALE APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D'ECHELLE DE CHARIOT A GRAINS A MODE PARALLELE**
[72] LIND, JEFFREY, CA
[72] OSBORNE JR., RONALD W., CA
[73] FARMERS EDGE INC., CA
[85] 2022-01-27
[86] 2020-10-29 (PCT/CA2020/051459)
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[30] US (62/928,020) 2019-10-30

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[25] EN
[54] **PHARMACEUTICAL CONSTRUCTS WITH ENHANCED BINDING AFFINITY WITH ALBUMIN**
[54] **CONSTRUCTIONS PHARMACEUTIQUES PRESENTANT UNE AFFINITE DE LIAISON AMELIOREE AVEC L'ALBUMINE**
[72] CHU, HSING-MAO, TW
[72] LIN, CHIEN-JEN, TW
[72] CHANG, TSE-WEN, TW
[73] IMMUNWORK INC., CN
[86] (3151394)
[87] (3151394)
[22] 2018-09-19
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[30] CN (PCT/CN2017/102242) 2017-09-19

[11] **3,152,383**
[13] C
[51] **Int.Cl. C23C 2/30 (2006.01) C23C 2/04 (2006.01)**
[25] EN
[54] **FLUX AND PRODUCTION METHOD OF STEEL PRODUCT WITH HOT-DIP ZN-AL-MG COATING USING SAID FLUX**
[54] **FONDANT ET PROCEDE DE PRODUCTION DE PRODUIT FORME A BASE D'ACIER AVEC REVETEMENT DE ZN-AL-MG PAR IMMERSION A CHAUD METTANT EN OEUVRE LEDIT FONDANT**
[72] ISHII, KOUTAROU, JP
[72] TSUJIMURA, TAKAO, JP
[73] NIPPON STEEL CORPORATION, JP
[85] 2022-02-22
[86] 2020-05-27 (PCT/JP2020/020824)
[87] (WO2021/038992)
[30] JP (2019-158923) 2019-08-30

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[51] **Int.Cl. A23K 10/30 (2016.01) A23K 10/10 (2016.01) A23K 10/12 (2016.01) A23K 30/15 (2016.01) A23K 40/00 (2016.01) B01D 11/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING FABACEAE FAMILY PLANT COMPONENTS, PROCESSES OF PREPARATION AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT DES COMPOSANTS DE PLANTES DE LA FAMILLE DES FABACEAE, PROCEDES DE PREPARATION ET UTILISATIONS CONNEXES**
[72] LAVALLEE, PIERRE, CA
[72] DESGAGNES, REJEAN, CA
[72] CAMBRON-FORTIN, LAURENCE, CA
[72] VEZINA, LOUIS-PHILIPPE, CA
[72] TALBOT, PIERRE, CA
[73] VIRENTIA INNOVATION INC., CA
[86] (3152581)
[87] (3152581)
[22] 2020-04-16
[62] 3,098,200
[30] US (62/835,156) 2019-04-17

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[25] EN
[54] **CAVITATION OF POLYMER-CONTAINING FLUIDS FOR USE IN SUBTERRANEAN FORMATIONS**
[54] **CAVITATION DE FLUIDES CONTENANT UN POLYMERE POUR UNE UTILISATION DANS DES FORMATIONS SOUTERRAINES**
[72] MAY, PRESTON ANDREW, US
[72] SHUMWAY, WILLIAM WALTER, US
[72] JAMISON, DALE, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-02-25
[86] 2019-12-05 (PCT/US2019/064675)
[87] (WO2021/112853)
[30] US (16/703,804) 2019-12-04

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[51] **Int.Cl. H01H 85/175 (2006.01) H01H 85/143 (2006.01)**
[25] EN
[54] **ANTI-ROTATIONAL FUSE END CAP**
[54] **BOUCHON DE PROTECTION ANTIROTATION DE FUSIBLE**
[72] MOTES, AARON M., US
[72] BENTLEY, CHARLES B., JR., US
[72] GUPTAIL, DANIEL B., US
[72] CAWOOD, MATTHEW D., US
[73] ABB SCHWEIZ AG, CH
[86] (3152897)
[87] (3152897)
[22] 2022-03-22
[30] US (63/165,665) 2021-03-24

[11] **3,153,144**
[13] C
[51] **Int.Cl. B27B 29/08 (2006.01)**
[25] EN
[54] **LOG SUPPORT ASSEMBLY FOR A SAWMILL**
[54] **ASSEMBLAGE DE SUPPORT DE BILLE POUR UNE SCIERIE**
[72] MALCOLM, JOSHUA J., CA
[72] BRAMLEY, NEIL K., CA
[72] DOHERTY, JEFFREY F., CA
[73] WOODLAND MILLS INC., CA
[86] (3153144)
[87] (3153144)
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[13] C
[51] **Int.Cl. G08G 9/02 (2006.01) G08G 1/16 (2006.01)**
[25] EN
[54] **BUBBLE LOGIC FOR RIDE VEHICLE CONTROL**
[54] **LOGIQUE DE BULLE POUR COMMANDER UN VEHICULE DE MANEGE**
[72] BOSHEARS, MICHAEL WAYNE, US
[72] ETTA, LAUREN MARIE, US
[73] OCEANEERING INTERNATIONAL, INC., US
[86] (3153172)
[87] (3153172)
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[25] EN
[54] **A DISPENSER**
[54] **UN DISTRIBUTEUR**
[72] O'REILLY, ALLAN, IE
[73] O'REILLY, ALLAN, IE
[85] 2022-03-10
[86] 2019-09-13 (PCT/EP2019/074597)
[87] (WO2020/053439)
[30] IE (2018/0324) 2018-09-13

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[51] **Int.Cl. G06T 7/90 (2017.01)**
[25] EN
[54] **IMAGE COLOR TRANSFERRING METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **PROCEDE DE MIGRATION DE COULEUR D'IMAGE, APPAREIL, DISPOSITIF INFORMATIQUE ET SUPPORT D'ENREGISTREMENT**
[72] FENG, CHAOWEI, CN
[72] WANG, XIAOYANG, CN
[73] 10353744 CANADA LTD., CA
[85] 2022-03-17
[86] 2020-07-30 (PCT/CN2020/105933)
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[30] CN (201910880382.4) 2019-09-18

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[51] **Int.Cl. G21C 7/10 (2006.01)**
[25] EN
[54] **MOVEABLE ISOLATED ROD COUPLINGS FOR USE IN A NUCLEAR REACTOR CONTROL ROD DRIVE**
[54] **RACCORDS DE TIGES ISOLES MOBILES DESTINES A ETRE UTILISES DANS UN ENTRAINEMENT DE TIGE DE COMMANDE DE REACTEUR NUCLEAIRE**
[72] MORGAN, KENNETH, ALLAN, US
[72] MAJOR, DAVID, LEE, US
[72] BROWN, RANDY, MORRIS, US
[72] DEAVER, GERALD, ALAN, US
[73] GE-HITACHI NUCLEAR ENERGY AMERICAS LLC, US
[86] (3155316)
[87] (3155316)
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[51] **Int.Cl. A41G 3/00 (2006.01) A45D 97/00 (2011.01) A41G 5/00 (2006.01)**
[25] EN
[54] **TOOL FOR REMOVING ADHESIVE FROM HAIR EXTENSION WEFT**
[54] **OUTIL POUR RETIRER UN ADHESIF D'UNE TRAME D'EXTENSION DE CHEVEUX**
[72] KERR, CECILIA, US
[73] CEVEN WITH A C, LLC, US
[85] 2020-12-01
[86] 2019-04-04 (PCT/US2019/025800)
[87] (WO2019/236183)
[30] US (62/680,167) 2018-06-04

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[51] **Int.Cl. B62D 25/24 (2006.01) B60K 15/01 (2006.01)**
[25] EN
[54] **ACCESS PORT FOR VEHICLE**
[54] **ORIFICE D'ACCES A UN VEHICULE**
[72] EZRA, KYLE ALLEN, US
[72] DREWS, EDWIN RAY, US
[73] SHEM, LLC, US
[86] (3158540)
[87] (3158540)
[22] 2015-01-22
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[51] **Int.Cl. H04M 3/436 (2006.01) H04W 4/16 (2009.01)**
[25] EN
[54] **METHOD, SYSTEM AND DEVICE FOR PERMITTING UNFAMILIAR CALL**
[54] **METHODE, SYSTEME ET DISPOSITIF POUR PERMETTRE UN APPEL NON FAMILIER**
[72] WANG, ZHENKUN, US
[73] WANG, ZHENKUN, US
[86] (3159058)
[87] (3159058)
[22] 2022-05-17
[30] US (17/338,177) 2021-06-03

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[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X80T615**
[54] **MAIS HYBRIDE X80T615**
[72] COLEMAN, TRAVIS KORRY, US
[72] DOLAN, DENNIS JAMES, US
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[72] MONTPETIT, JEAN-MARC, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166836)
[87] (3166836)
[22] 2022-07-06
[30] US (63/230,865) 2021-08-09
[30] US (17/808,851) 2022-06-24

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X95R017**
[54] **MAIS HYBRIDE X95R017**
[72] ARBELBIDE, MARTIN, US
[72] GOGERTY, JOSEPH KEVIN, US
[72] WALCH, MATTHEW DAVID, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166841)
[87] (3166841)
[22] 2022-07-06
[30] US (17/377,441) 2021-07-16

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X90R999**
[54] **MAIS HYBRIDE X90R999**
[72] ARBELBIDE, MARTIN, US
[72] FABRIZIUS, MARTIN A., US
[72] GARCIA, GUSTAVO MARCELO, US
[72] KING, STEVEN PAUL, US
[72] WALCH, MATTHEW DAVID, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166866)
[87] (3166866)
[22] 2022-07-06
[30] US (17/377,450) 2021-07-16

[11] **3,166,870**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X90R978**
[54] **MAIS HYBRIDE X90R978**
[72] ARBELBIDE, MARTIN, US
[72] GARCIA, GUSTAVO MARCELO, US
[72] KING, STEVEN PAUL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166870)
[87] (3166870)
[22] 2022-07-06
[30] US (17/377,452) 2021-07-16

[11] **3,166,877**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X85R242**
[54] **MAIS HYBRIDE X85R242**
[72] DOLAN, DENNIS JAMES, US
[72] KING, STEVEN PAUL, US
[72] MONTPETIT, JEAN-MARC, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166877)
[87] (3166877)
[22] 2022-07-06
[30] US (17/377,453) 2021-07-16

[11] **3,166,882**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X90T899**
[54] **MAIS HYBRIDE X90T899**
[72] DOLAN, DENNIS JAMES, US
[72] KING, STEVEN PAUL, US
[72] POSCH, JEFFREY, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166882)
[87] (3166882)
[22] 2022-07-06
[30] US (63/230,861) 2021-08-09
[30] US (17/808,853) 2022-06-24

[11] **3,166,883**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X75R197**
[54] **MAIS HYBRIDE X75R197**
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[72] COLEMAN, TRAVIS KORRY, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166883)
[87] (3166883)
[22] 2022-07-06
[30] US (17/377,458) 2021-07-16

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X05R371**
[54] **MAIS HYBRIDE X05R371**
[72] FOX, RUSSELL, US
[72] HEFFNER, ELLIOT LEE, US
[72] HENKE, GARY EDWARD, US
[72] LIRA, SARA JANE, US
[72] SRNIC, GORAN, US
[72] TARNOWSKI, TARA LUANA BARRETT, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166891)
[87] (3166891)
[22] 2022-07-06
[30] US (17/382,754) 2021-07-22

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[51] **Int.Cl. G01R 22/10 (2006.01) H04B 3/54 (2006.01)**
[25] EN
[54] **METHOD FOR ESTIMATING LOAD BY ENERGY METER INCLUDING LOAD ESTIMATION MODEL BASED ON NEURAL NETWORK AND ENERGY METER USING THE SAME**
[54] **METHODE D'ESTIMATION D'UNE CHARGE PAR UN COMPTEUR D'ENERGIE COMPRENANT UN MODELE D'ESTIMATION DE CHARGE FONDE SUR LE RESEAU NEURONAL, ET COMPTEUR D'ENERGIE UTILISANT LA METHODE**
[72] AHN, HYUN KWON, KR
[72] AHN, TAE HYO, KR
[72] LEE, DONG HOON, KR
[72] KIM, HONG MO, KR
[73] STARKOFF CO., LTD., KR
[86] (3167167)
[87] (3167167)
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[11] **3,173,282**
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[51] **Int.Cl. B06B 1/06 (2006.01) A61N 7/00 (2006.01) G10K 15/04 (2006.01)**
[25] EN
[54] **APODIZING BACKING STRUCTURES FOR ULTRASONIC TRANSDUCERS AND RELATED METHODS**
[54] **STRUCTURES DE SUPPORT D'APODISATION POUR DES TRANSDUCTEURS A ULTRASONS ET PROCEDES ASSOCIES**
[72] CHAGGARES, NICHOLAS CHRIS, CA
[72] KARSHAFIAN, KHACHIC CHRIS, CA
[72] RIEDER, ERIC, CA
[73] RESONANT ACOUSTICS INTERNATIONAL INC., CA
[85] 2022-09-24
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[87] (WO2022/193005)
[30] US (63/200,559) 2021-03-15

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[25] EN
[54] **ORGANIC WASTE CARBONIZATION SYSTEM**
[54] **SYSTEME DE CARBONISATION DE DECHETS ORGANIQUES**
[72] DANNER, KEVIN WAYNE, CA
[72] GRAY, TERRANCE DARRELL, CA
[73] CARBON LOCK TECHNOLOGIES INC., CA
[85] 2022-08-29
[86] 2021-12-31 (PCT/CA2021/051905)
[87] (WO2022/140859)
[30] US (63/132,596) 2020-12-31

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[11] **3,177,095**
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[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **SUBSEA POWER MODULE**
[54] **MODULE DE PUISSANCE SOUS-MARIN**
[72] GRADINGER, THOMAS, CH
[72] LANERYD, TOR, SE
[73] ABB SCHWEIZ AG, CH
[85] 2022-10-27
[86] 2021-04-22 (PCT/EP2021/060555)
[87] (WO2021/224016)
[30] EP (20172730.2) 2020-05-04

[11] **3,177,369**
[13] C
[51] **Int.Cl. G06F 16/11 (2019.01) G06F 16/14 (2019.01) G06F 16/28 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR A DATA CUSTODIAN IMPLEMENTED AS AN ENTITY-CENTRIC, RESOURCE-ORIENTED DATABASE WITHIN A SHARED CLOUD PLATFORM**
[54] **PROCEDE ET SYSTEME POUR UN GESTIONNAIRE DE DONNEES MIS EN OEUVRE SOUS LA FORME D'UNE BASE DE DONNEES ORIENTEE RESSOURCES CENTREE SUR ENTITES A L'INTERIEUR D'UNE PLATEFORME EN NUAGE PARTAGEE**
[72] SHEAR, TIMOTHY, A., US
[73] DATAPARENCY, LLC, US
[85] 2022-09-27
[86] 2021-03-16 (PCT/US2021/022455)
[87] (WO2021/202094)
[30] US (16/833,548) 2020-03-28

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[13] C
[51] **Int.Cl. A61L 2/20 (2006.01) A61M 5/178 (2006.01)**
[25] EN
[54] **METHOD OF STERILIZING MEDICAL DEVICE**
[54] **METHODE DE STERILISATION D'UN DISPOSITIF MEDICAL**
[72] HAMEL, SIMON, CA
[72] VIENS, MATHIEU, CA
[73] DUOJECT MEDICAL SYSTEMS INC., CA
[85] 2022-10-03
[86] 2021-04-01 (PCT/CA2021/000027)
[87] (WO2021/195741)
[30] CA (3,077,844) 2020-04-03

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[25] EN
[54] **MOLD INSERT MEMBER, METHOD, AND MOLD FOR MITIGATING MALFORMATION OF INTERLOCKING RETAINING WALL BLOCKS, AND RETAINING WALL BLOCKS PRODUCED THEREBY**
[54] **ELEMENT DE PIECE RAPPORTEE DE MOULE, METHODE ET MOULE POUR ATTENUER LA MALFORMATION DE BLOCS DE MUR DE SOUTENEMENT IMBRIQUES ET BLOCS AINSI PRODUITS**
[72] MATYS, TYLER, CA
[73] RISI STONE INC., CA
[86] (3186121)
[87] (3186121)
[22] 2023-01-06
[30] CA (3178337) 2022-10-04
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[51] **Int.Cl. G05D 1/02 (2020.01) B60W 30/095 (2012.01) B60W 60/00 (2020.01) B66F 9/075 (2006.01)**
[25] EN
[54] **MATERIALS HANDLING VEHICLE OBSTACLE SCANNING TOOLS**
[54] **OUTILS DE BALAYAGE D'OBSTACLES DE VEHICULE DE MANIPULATION DE MATERIAUX**
[72] MAI, YUAN, NZ
[72] STEWART, ALAN, NZ
[73] CROWN EQUIPMENT CORPORATION, US
[86] (3187819)
[87] (3187819)
[22] 2017-08-25
[62] 3,035,087
[30] US (62/380,038) 2016-08-26

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[11] **3,195,611**
[13] C
[51] **Int.Cl. A47C 31/00 (2006.01) A47C 31/10 (2006.01)**
[25] EN
[54] **ENCASEMENTS AND METHODS OF MANUFACTURE**
[54] **ENVELOPPES ET PROCEDES DE FABRICATION**
[72] MITTAL, KHUSHBOO, US
[72] FARASHAHI, BEHNOOSH GHAANI, US
[72] BALAJI, SUJHA, US
[72] BARTER, RICHARD, US
[73] SYSCO GUEST SUPPLY, LLC, US
[85] 2023-04-13
[86] 2021-10-15 (PCT/US2021/055217)
[87] (WO2022/081998)
[30] US (17/072,182) 2020-10-16

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[13] C
[51] **Int.Cl. H02H 3/16 (2006.01) G01R 31/52 (2020.01)**
[25] EN
[54] **MULTIPHASE GROUND FAULT CIRCUIT INTERRUPTER**
[54] **DISJONCTEUR DE FUITE DE TERRE MULTIPHASE**
[72] NGUYEN, HUY D., US
[72] LEE, TOM LIK-CHUNG, US
[73] NEILSEN-KULJIAN, INC., US
[86] (3198348)
[87] (3198348)
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[13] A1
[51] **Int.Cl. G06F 3/0354 (2013.01)**
[25] EN
[54] **ERGONOMIC COMPUTER MOUSE**
[54] **SOURIS D'ORDINATEUR ERGONOMIQUE**
[72] FEDERICO, RENATO S., CA
[71] FEDERICO, RENATO S., CA
[22] 2022-03-17
[41] 2023-09-17

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[21] **3,152,594**
[13] A1
[51] **Int.Cl. A01B 45/02 (2006.01) A01G 20/43 (2018.01) A01B 45/00 (2006.01)**
[25] EN
[54] **A VEHICLE MOUNTED LAWN DETHATCHER**
[54] **DECHAUMEUSE A PELOUSE INSTALLEE SUR UN VEHICULE**
[72] SOPER, GARY HUGH, CA
[71] SOPER, GARY HUGH, CA
[22] 2022-03-17
[41] 2023-09-17

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[21] **3,152,648**
[13] A1
[51] **Int.Cl. D21H 11/00 (2006.01) D21H 17/02 (2006.01)**
[25] EN
[54] **PACKAGING FROM AGRICULTURAL PLANT FIBRES**
[54] **EMBALLAGE FABRIQUE A PARTIR DE FIBRES DE PLANTES AGRICOLES**
[72] THOMPSON, KEENAN, BE
[72] BUJA, FEDERICO, BE
[72] MERISALO, JARNO-PETTERI, BE
[71] ANHEUSER-BUSCH INBEV S.A., BE
[22] 2022-03-18
[41] 2023-09-18

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[21] **3,152,663**
[13] A1
[51] **Int.Cl. G09B 23/30 (2006.01) F16K 3/22 (2006.01) G09B 5/00 (2006.01) G09B 23/32 (2006.01)**
[25] EN
[54] **REMOTE FIRST AID TRAINING AND MANIKIN DESIGNS**
[54] **FORMATION AUX PREMIERS SOINS A DISTANCE ET CONCEPTIONS DE MANNEQUINS**
[72] GRENIER, ALEXANDRE, CA
[72] BOUDREAU, HERVE, CA
[72] LAMARRE, VICK, CA
[71] ACADEMIE SAINT-BERNARD INC., CA
[22] 2022-03-18
[41] 2023-09-18

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[21] **3,152,668**
[13] A1
[51] **Int.Cl. F27D 3/08 (2006.01) F23G 5/027 (2006.01) F23G 5/033 (2006.01) F23G 5/04 (2006.01) F27B 5/14 (2006.01) F27B 7/34 (2006.01) F27B 9/24 (2006.01) F27B 9/36 (2006.01) F27D 17/00 (2006.01) F28D 20/00 (2006.01)**
[25] FR
[54] **METHOD FOR PYROLYSIS OF WOODY BIOMASS**
[54] **PROCEDE DE PYROLYSE DE LA BIOMASSE LIGNEUSE**
[72] NADEAU, YVON, CA
[72] OUYED, MUSTAPHA, CA
[71] GROUPE ONYM, CA
[22] 2022-03-18
[41] 2023-09-18

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[21] **3,152,732**
[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) C12P 3/00 (2006.01) C22B 3/18 (2006.01) C22B 11/00 (2006.01)**
[25] EN
[54] **THE USE OF CYANOGENIC BACTERIA TO LEACH GOLD**
[54] **UTILISATION DE BACTERIES CYANOGENETIQUES POUR LE LESSIVAGE DE L'OR**
[72] PERREAULT, NANCY, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[22] 2022-03-18
[41] 2023-09-18

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[21] **3,152,768**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **AIR SEEDER METER WITH AIR PURGE**
[54] **ROULEAU-DOSEUR DE SEMOIR PNEUMATIQUE AVEC VIDANGE D'AIR**
[72] PEUTERT, CHANCE, CA
[72] PETRUIC, MATTHEW, CA
[72] VENNARD, GREG, CA
[72] BEAUJOT, NORBERT, CA
[71] SEEDMASTER MANUFACTURING LTD., CA
[22] 2022-03-17
[41] 2023-09-17

[21] **3,152,811**
[13] A1
[51] **Int.Cl. A47B 81/00 (2006.01) A01G 9/12 (2006.01) A01G 27/00 (2006.01) A01G 31/06 (2006.01) A47G 7/04 (2006.01) B62B 3/00 (2006.01) B65D 85/52 (2006.01)**
[25] EN
[54] **UNIVERSAL CASCADING WATERING TRAY ROLLING RACK SYSTEM WITH LEVELING AND LOCKING MECHANISMS.**
[54] **SYSTEME DE RATELIER ROULANT A PLATEAU D'ARROSAGE EN CASCADE UNIVERSEL COMPRENANT DES MECANISMES DE NIVELAGE ET DE VERROUILLAGE.**
[72] KOHUT, STEFAN, CA
[72] CHOQUTTE, JOHN, CA
[71] KOHUT, STEFAN, CA
[71] CHOQUTTE, JOHN, CA
[22] 2022-03-21
[41] 2023-09-21

[21] **3,152,843**
[13] A1
[51] **Int.Cl. B09B 3/30 (2022.01) B01F 23/70 (2022.01) B01F 33/40 (2022.01) B09B 3/00 (2022.01)**
[25] EN
[54] **APPAREIL ET METHODE POUR REVALORISER DIFFERENTS RESIDUS ORGANIQUES ET INDUSTRIELS**
[54] **DEVICE AND PROCESS FOR REUSING VARIOUS ORGANIC AND INDUSTRIAL RESIDUES**
[72] XU, SONGWEN, CA
[72] DAOUST, DENIS, CA
[72] TAN, YING, CN
[72] TAO, RAN, CA
[72] TAO, ANGELA ANGIE, CA
[71] SERVICE ENVIRO SCAD INC., CA
[22] 2022-03-21
[41] 2023-09-21

[21] **3,152,884**
[13] A1
[51] **Int.Cl. E01C 11/26 (2006.01) E01H 5/10 (2006.01)**
[25] EN
[54] **CONDUIT ASSEMBLY WITH INTEGRATED HEAT DIFFUSION KIT**
[54] **ASSEMBLAGE DE CONDUITE AVEC TROUSSE DE DIFFUSION THERMIQUE INTEGREE**
[72] SAMUEL, VICTOR, CA
[71] SAMUEL, VICTOR, CA
[22] 2022-03-21
[41] 2023-09-21

[21] **3,152,964**
[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 47/11 (2012.01) E21B 47/10 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ESTIMATING CONVECTIVE STEAM BOUNDARIES DURING BITUMEN PRODUCTION**
[54] **SYSTEME ET METHODE POUR ESTIMER LES LIMITES DE CONVECTION DE VAPEUR PENDANT LA PRODUCTION DE BITUME**
[72] HEMATILLAKE, DYLAN SANDESH, CA
[72] NGUYEN, ANTHONY HUAN, CA
[72] ALTENHOF, ALLISON JANE, CA
[71] SUNCOR ENERGY INC., CA
[22] 2022-03-22
[41] 2023-09-22

[21] **3,153,032**
[13] A1
[51] **Int.Cl. B60S 13/00 (2006.01) B62B 3/02 (2006.01) B62B 3/06 (2006.01)**
[25] EN
[54] **SNOWMOBILE SKI AND TRACK DOLLIES, TUNNEL BOX MOUNTING SYSTEMS, AND RELATED METHODS OF USE**
[54] **SKI ET PLATEAU DE CHENILLE DE MOTONEIGE, SYSTEMES DE MONTAGE, SYSTEMES DE MONTAGE DE COFFRES ET METHODES D'UTILISATION CONNEXES**
[72] SCOBEY TODD CHARLES, CA
[71] SCOBEY TODD CHARLES, CA
[22] 2022-03-22
[41] 2023-09-22

[21] **3,153,040**
[13] A1
[51] **Int.Cl. E06B 7/00 (2006.01) E06B 7/28 (2006.01)**
[25] EN
[54] **OVERHEAD DOOR APPARATUS**
[54] **APPAREIL DE PORTE BASCULANTE**
[72] CHARBONNEAU, RENE, CA
[72] LE BOUTHILLIER, DIANE, CA
[71] CHARBONNEAU, RENE, CA
[71] LE BOUTHILLIER, DIANE, CA
[22] 2022-03-22
[41] 2023-09-17
[30] US (17/655,303) 2022-03-17

[21] **3,153,081**
[13] A1
[51] **Int.Cl. F16H 37/00 (2006.01) B23Q 1/26 (2006.01) B23Q 1/44 (2006.01)**
[25] EN
[54] **SELECTIVE MOTION TRANSFER MECHANISM**
[54] **MECANISME DE TRANSFERT DE MOUVEMENT SELECTIF**
[72] MACARTHUR, JAMES, CA
[72] FREITAS, ROBERT A., JR, CA
[72] RYLEY, JAMES F., III, CA
[71] CBN NANO TECHNOLOGIES INC., CA
[22] 2022-03-23
[41] 2023-09-23

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[13] A1
[51] **Int.Cl. F24H 1/00 (2022.01) A47J 27/10 (2006.01)**
[25] EN
[54] **WAX HEATER**
[54] **FOUR A CIRE**
[72] SHEN, YI, CN
[71] SHENZHEN HEZHONGREN E-COMMERCE CO., LTD., CN
[22] 2022-03-18
[41] 2023-09-18

[21] **3,153,181**
[13] A1
[51] **Int.Cl. G06F 21/12 (2013.01) G06F 9/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING ACCESS TO SOFTWARE FEATURES**
[54] **SYSTEMES ET METHODES DE CONTROLE DE L'ACCES A DES FONCTIONS LOGICIELLES**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[72] RASTOGI, KUSHANK, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-03-23
[41] 2023-09-23

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[21] **3,153,235**
[13] A1
[51] **Int.Cl. B65D 88/30 (2006.01) B65D 88/28 (2006.01)**
[25] EN
[54] **MODULAR HOPPER CONE**
[54] **CONE DE TREMIE MODULAIRE**
[72] BOYLE, ROBERT, CA
[71] DRYAIR MANUFACTURING CORP., CA
[22] 2022-03-21
[41] 2023-09-21

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[21] **3,153,262**
[13] A1
[51] **Int.Cl. G06Q 50/08 (2012.01)**
[25] EN
[54] **SYSTEM FOR CONSTRUCTION BASED PROPOSALS AND METHOD OF USE**
[54] **SYSTEME DE PROPOSITIONS DANS LE DOMAINE DE LA CONSTRUCTION ET METHODE D'UTILISATION**
[72] BIGNOLD, MICHAEL JAMES, CA
[71] COST CERTIFIED INC., CA
[22] 2022-03-21
[41] 2023-09-21

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[13] A1
[51] **Int.Cl. A61F 7/08 (2006.01) A41D 13/005 (2006.01) A41D 19/015 (2006.01)**
[25] EN
[54] **FINGER WARMING APPARATUS**
[54] **APPAREIL POUR RECHAUFFER LES DOIGTS**
[72] JACKSON-LEWIS, RICKY, CA
[71] JACKSON-LEWIS, RICKY, CA
[22] 2022-03-25
[41] 2023-09-23
[30] US (17/656,126) 2022-03-23

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[13] A1
[51] **Int.Cl. G16H 30/20 (2018.01) G06F 16/55 (2019.01) G06V 10/764 (2022.01) G06V 10/82 (2022.01) G06N 3/0464 (2023.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR CLASSIFYING MAGNETIC RESONANCE IMAGING (MRI) IMAGE CHARACTERISTICS**
[54] **SYSTEME ET METHODES POUR CATEGORISER LES CARACTERISTIQUES D'IMAGERIE PAR RESONANCE MAGNETIQUE**
[72] YOUNG, RYAN EDWARD, US
[72] DUBOIS, DAVID, CA
[72] MACPHERSON, IAN MICHAEL, CA
[71] CHANGE HEALTHCARE HOLDINGS, LLC, US
[22] 2022-04-07
[41] 2023-09-18
[30] US (17/698,050) 2022-03-18

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[51] **Int.Cl. G06Q 30/06 (2023.01) G06Q 10/087 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REAL-TIME PROCESSING OF PRODUCT ORDERS**
[54] **SYSTEMES ET METHODES DE TRAITEMENT EN TEMPS REEL DE COMMANDES DE PRODUITS**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[72] PRENDERGAST, JONATHAN JOSEPH, CA
[72] JONES, CHRISTOPHER MARK, CA
[72] LALKA, VIPUL KISHORE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-04-12
[41] 2023-09-23
[30] US (17/702,196) 2022-03-23

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[21] **3,156,210**
[13] A1
[51] **Int.Cl. G06Q 10/0631 (2023.01)**
[25] EN
[54] **TASK ASSIGNMENT IN AUTONOMOUS MOBILE DEVICES**
[54] **ATTRIBUTION DE TACHE DANS LES DISPOSITIFS MOBILES AUTONOMES**
[72] LI, WEN ZHENG, JP
[71] RAPYUTA ROBOTICS CO., LTD., JP
[22] 2022-04-22
[41] 2023-09-22
[30] US (17/700,644) 2022-03-22

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[21] **3,156,214**
[13] A1
[51] **Int.Cl. C04B 7/24 (2006.01) C03C 12/00 (2006.01)**
[25] EN
[54] **GLASS POWDER PRODUCTS FOR USE AS A POZZOLAN, AND PROCESSES AND SYSTEMS FOR THE PRODUCTION THEREOF**
[54] **PRODUITS DE POUDRE DE VERRE A UTILISER COMME POUZZOLANE ET PROCEDES ET SYSTEMES DE PRODUCTION**
[72] SZABO, CRAIG, CA
[71] RAYAN INVESTMENTS LTD., CA
[22] 2022-04-22
[41] 2023-09-21

[21] **3,160,288**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **HYBRID ARTIFICIAL INTELLIGENCE GENERATED ACTIONABLE RECOMMENDATIONS**
[54] **RECOMMANDATIONS EXPLOITABLES GENEREES PAR APPROCHE HYBRIDE UTILISANT L'INTELLIGENCE ARTIFICIELLE**
[72] AGARWAL, SUDHIR, US
[72] MOUATADID, LALLA, US
[72] SREEPATHY, ANU, US
[72] FURBISH, KEVIN MICHAEL, US
[71] INTUIT INC., US
[22] 2022-05-25
[41] 2023-09-18
[30] US (17/698,676) 2022-03-18

[21] **3,160,872**
[13] A1
[51] **Int.Cl. E05B 19/00 (2006.01) B21D 53/42 (2006.01) B23C 3/35 (2006.01) E05B 11/06 (2006.01) E05B 27/04 (2006.01)**
[25] EN
[54] **LOCK SYSTEM WITH KEY AND AUXILLIARY PIN TUMBLER STACK**
[54] **SYSTEME DE VERROUILLAGE AVEC CLE ET ENSEMBLE DE GOUPILLES AUXILIAIRE**
[72] EDEN, CHARLES W., US
[72] BOONE, THOMAS H., US
[72] PHILLIPS, THOMAS MICHAEL, US
[71] KABA ILCO CORP., US
[22] 2022-05-27
[41] 2023-09-17
[30] US (17/697,570) 2022-03-17

[21] **3,167,492**
[13] A1
[51] **Int.Cl. G02B 23/16 (2006.01) H04N 23/90 (2023.01)**
[25] EN
[54] **SCOPE MOUNT**
[54] **SUPPORT DE LUNETTE DE VISEE**
[72] SCOVIL, JOHN R., US
[72] HAYES, MARK J., US
[72] MCPHERSON, MATHEW A., US
[71] MCP IP, LLC, US
[22] 2022-07-13
[41] 2023-09-18
[30] US (17/698,923) 2022-03-18

[21] **3,167,561**
[13] A1
[51] **Int.Cl. A47G 7/07 (2006.01) A01G 9/12 (2006.01)**
[25] EN
[54] **MULTI-PIECE SUPPORT PLUG**
[54] **BOUCHON DE SUPPORT MULTI-PIECES**
[72] VANWINGERDEN, JASON, US
[71] THE PLANT COMPANY OF VIRGINIA, LLC, US
[22] 2022-07-13
[41] 2023-09-21
[30] US (17/655674) 2022-03-21

[21] **3,169,203**
[13] A1
[51] **Int.Cl. G06F 3/04883 (2022.01) G06F 3/0482 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING GRAPHICAL USER INTERFACES ON MOBILE DEVICES**
[54] **SYSTEMES ET METHODES POUR GERER DES INTERFACES UTILISATEUR GRAPHIQUES SUR DES DISPOSITIFS MOBILES**
[72] ITANEN, NIKLAS, CA
[72] JAYATUNGA, HETTIGE RAY PERERA, CA
[71] SHOPIFY INC., CA
[22] 2022-07-29
[41] 2023-09-21
[30] US (17/699,512) 2022-03-21

[21] **3,169,380**
[13] A1
[51] **Int.Cl. B66D 1/12 (2006.01) H02K 11/30 (2016.01) B66D 1/46 (2006.01) H02K 7/14 (2006.01)**
[25] EN
[54] **WINCH INTEGRATED WITH PERMANENT MAGNET BRUSHLESS MOTOR AND CONTROLLER**
[54] **TREUIL INTEGRE A UN MOTEUR SANS BALAI A AIMANT PERMANENT ET A UN CONTROLEUR**
[72] YANG, YONG, CN
[72] ZHAO, KUNLEI, CN
[72] ZHOU, JUN, CN
[72] ZHANG, CHUNXIANG, CN
[72] TANG, LIANGDAO, CN
[72] ZHANG, GUOGANG, CN
[71] ZHEJIANG NOWVOW MECHANICAL AND ELECTRICAL CORP., LTD., CN
[22] 2022-08-02
[41] 2023-09-23
[30] CN (202220649096.4) 2022-03-23
[30] CN (202221341188.2) 2022-05-30
[30] CN (202221425888.X) 2022-06-06
[30] CN (202221503693.2) 2022-06-15

[21] **3,176,298**
[13] A1
[51] **Int.Cl. H01H 9/26 (2006.01) H01H 3/46 (2006.01)**
[25] EN
[54] **QUICK-ALIGNMENT LINKAGE FOR A THREE-PHASE ELECTRIC DISCONNECT SWITCH**
[54] **TRINGLERIE A ALIGNEMENT RAPIDE POUR UN SECTIONNEUR ELECTRIQUE TRIPHASE**
[72] ROSTRON, JOSEEPH R., US
[72] GILL-GAVIRIA, JUAN CAMILO, US
[71] SOUTHERN STATES, LLC, US
[22] 2022-09-27
[41] 2023-09-21
[30] US (17/699,208) 2022-03-21

[21] **3,176,323**
[13] A1
[51] **Int.Cl. H01H 9/26 (2006.01) H01H 3/46 (2006.01)**
[25] EN
[54] **QUICK-SET CLEVIS JOINT FOR A THREE-PHASE ELECTRIC DISCONNECT SWITCH LINKAGE**
[54] **JOINT DE CHAPE A INSTALLATION RAPIDE POUR UNE TRINGLERIE DE SECTIONNEUR ELECTRIQUE TRIPHASE**
[72] ROSTRON, JOSEPH R., US
[72] ANDREYO, JOSEPH, US
[72] GILL-GAVIRIA, JUAN CAMILO, US
[71] SOUTHERN STATES LLC, US
[22] 2022-09-28
[41] 2023-09-21
[30] US (17/699,210) 2022-03-21

[21] **3,176,334**
[13] A1
[51] **Int.Cl. H01H 9/26 (2006.01) H01H 3/46 (2006.01)**
[25] EN
[54] **CALIBRATION JOINT FOR A THREE-PHASE ELECTRIC DISCONNECT SWITCH**
[54] **JOINT D'ETALONNAGE POUR UN SECTIONNEUR ELECTRIQUE TRIPHASE**
[72] ANDREYO, JOSEPH, US
[72] GILL-GAVIRIA, JUAN CAMILO, US
[71] SOUTHERN STATES LLC, US
[22] 2022-09-28
[41] 2023-09-21
[30] US (17/699,216) 2022-03-21

[21] **3,176,695**
[13] A1
[51] **Int.Cl. G01G 17/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR WEIGHING OBJECTS**
[54] **APPAREIL ET METHODE POUR PESER DES OBJETS**
[72] FLEISCHMANN, JULIA, DE
[71] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG, DE
[22] 2022-09-29
[41] 2023-09-18
[30] EP (22 16 2886.0) 2022-03-18

[21] **3,180,642**
[13] A1
[51] **Int.Cl. E21B 7/00 (2006.01)**
[25] EN
[54] **CLUTCH ASSEMBLY AND RELATED SYSTEMS AND METHODS**
[54] **ASSEMBLAGE D'EMBRAYAGE, ET SYSTEMES ET METHODES CONNEXES**
[72] MCCULLOUGH, ROBERT, CA
[72] WELL, ADAM, US
[72] HAGAR, EVERETT, US
[72] O'NEILL, SEAN, US
[72] HURST, HARRIS, US
[71] NTS AMEGA WEST USA, INC., US
[22] 2022-11-01
[41] 2023-09-18
[30] US (63/321,166) 2022-03-18

[21] **3,180,785**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) H04W 4/021 (2018.01)**
[25] EN
[54] **MULTI-PURPOSE DEVICE SECURE MOBILE DEVICE CHARGING LOCATIONS**
[54] **EMPLACEMENTS SECURISES DE RECHARGE DE DISPOSITIFS MOBILES POUR UN DISPOSITIF POLYVALENT**
[72] MOSSOBA, MICHAEL, US
[72] LIN, DAN, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-11-03
[41] 2023-09-17
[30] US (17/655,318) 2022-03-17

[21] **3,182,117**
[13] A1
[51] **Int.Cl. A46B 17/00 (2006.01) A46B 9/00 (2006.01) A46B 9/04 (2006.01) A46B 11/00 (2006.01) A46B 15/00 (2006.01) A46D 1/00 (2006.01)**
[25] EN
[54] **TOOTHBRUSH ASSEMBLY HAVING BIODEGRADABLE HEAD**
[54] **ASSEMBLAGE DE BROSSE A DENTS COMPRENANT UNE TETE BIODEGRADABLE**
[72] DRADER, JESSICA, CA
[72] DUHAMEL, AMY, CA
[71] DRADER, JESSICA, CA
[71] DUHAMEL, AMY, CA
[22] 2022-11-16
[41] 2023-09-23
[30] US (63/269,793) 2022-03-23

[21] **3,187,625**
[13] A1
[51] **Int.Cl. E21B 34/02 (2006.01) F16K 15/03 (2006.01) F16K 15/18 (2006.01)**
[25] EN
[54] **SAFETY VALVE FOR A FLUID EXTRACTION WELL INSTALLATION**
[54] **SOUPAPE DE SURETE POUR UNE INSTALLATION DE PUITS D'EXTRACTION DE FLUIDE**
[72] BUCCIARELLI, ADRIAN OSCAR, AR
[72] VANZINO, MARIO ARIEL, AR
[71] MOTOMECANICA ARGENTINA S.A., AR
[22] 2023-01-26
[41] 2023-09-18
[30] AR (2022100639) 2022-03-18

[21] **3,188,019**
[13] A1
[51] **Int.Cl. A61K 36/81 (2006.01) A61K 35/747 (2015.01) A61K 31/56 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **CARDIOVASCULAR HEALTH-PROMOTING COMPOSITION**
[54] **COMPOSITION PROMOUVANT LA SANTE CARDIOVASCULAIRE**
[72] DAVIDSON, JOHN CHARLES, CA
[71] DAVIDSON, JOHN CHARLES, CA
[22] 2023-01-24
[41] 2023-09-22
[30] US (63322431) 2022-03-22

[21] **3,189,042**
[13] A1
[51] **Int.Cl. B23C 5/08 (2006.01)**
[25] EN
[54] **LIGHTWEIGHT ROTARY CUTTING TOOL**
[54] **OUTIL DE COUPE ROTATIF LEGER**
[72] SEMINISKY, LOGAN M., US
[72] BOOKHEIMER, ALAN J., US
[71] KENNAMETAL INC., US
[22] 2023-02-08
[41] 2023-09-23
[30] US (17/702399) 2022-03-23

[21] **3,189,053**
[13] A1
[51] **Int.Cl. G06V 10/764 (2022.01) G06V 20/59 (2022.01) G06Q 10/20 (2023.01)**
[25] EN
[54] **AUTOMATIC AND GUIDED INTERIOR INSPECTION**
[54] **INSPECTION INTERIEURE AUTOMATIQUE ET GUIDEE**
[72] TRUNK, LOTHAR, DE
[72] MULLER-DIVEKY, STEFAN, DE
[72] GUT, TOBIAS, DE
[71] DIEHL AEROSPACE GMBH, DE
[22] 2023-02-08
[41] 2023-09-18
[30] DE (102022106352.6) 2022-03-18

[21] **3,189,811**
[13] A1
[51] **Int.Cl. C22B 3/24 (2006.01) B01D 11/02 (2006.01) C22B 1/02 (2006.01) C22B 3/16 (2006.01) C22B 15/00 (2006.01) C22B 19/02 (2006.01) C22B 23/00 (2006.01)**
[25] FR
[54] **METHOD FOR RECYCLING METALS FROM POROUS MATERIALS COMPRISING THEM**
[54] **METHODE DE RECYCLAGE DE METAUX A PARTIR DE MATERIAUX POREUX LES COMPRENANT**
[72] LABRUYERE, FRANCK, FR
[72] GALLIOU, PAULINE, FR
[71] EURECAT S.A, FR
[22] 2023-02-15
[41] 2023-09-18
[30] FR (FR 2202405) 2022-03-18

[21] **3,190,033**
[13] A1
[51] **Int.Cl. H04B 10/85 (2013.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR AUTHENTICATING AN OPTICAL FIBER KEY**
[54] **METHODE ET SYSTEME POUR AUTHENTIFIER UNE CLE DE FIBRE OPTIQUE**
[72] ZHDANOVA, EKATERINA, CH
[72] VYATKIN, MIKHAIL, CH
[72] YAROVIKOV, MIKHAIL, CH
[72] SMIRNOV, ALEXANDER, CH
[72] GUTOR, ALEXANDER, CH
[72] LESOVIK, GORDEY, CH
[71] TERRA QUANTUM AG, CH
[22] 2023-02-16
[41] 2023-09-23
[30] EP (22163917.2) 2022-03-23

[21] **3,191,350**
[13] A1
[51] **Int.Cl. G06Q 30/01 (2023.01) G06N 20/00 (2019.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR FACILITATING PROVISION OF INSTANT CREDIT TO CUSTOMERS VIA RAPID AND MACHINE LEARNING SUPPORTED UNDERWRITING DECISIONS**
[54] **METHODE ET APPAREIL POUR FACILITER LA FOURNITURE DE CREDIT IMMEDIAT AUX CLIENTS RESULTANT DE DECISIONS DE GARANTIE RAPIDES APPUYEES PAR APPRENTISSAGE AUTOMATIQUE**
[72] ZARAGOZA, MARK L. SAINZ, US
[72] NOUSHAHR, HOSSEIN GHODRATI, US
[72] ALVAREZ, PABLO LOPEZ, US
[72] FORT, ENRIC GILI, US
[72] LIU, OLIVER, US
[72] VILAR, EDUARDO, US
[71] AFFIRM, INC., US
[22] 2023-02-28
[41] 2023-09-18
[30] US (17/698,463) 2022-03-18

[21] **3,191,360**
[13] A1
[51] **Int.Cl. A47F 3/00 (2006.01) A47B 81/00 (2006.01) A47F 7/19 (2006.01) A47G 1/12 (2006.01)**
[25] EN
[54] **DISPLAY CASE AND METHOD OF ASSEMBLY**
[54] **PRESENTOIR ET METHODE D'ASSEMBLAGE**
[72] PATHER, ETHAN, CA
[71] 13872548 CANADA INC., CA
[22] 2023-02-28
[41] 2023-09-18
[30] US (63/321632) 2022-03-18

[21] **3,191,385**
[13] A1
[51] **Int.Cl. E06B 9/384 (2006.01) E06B 9/26 (2006.01) E06B 9/382 (2006.01)**
[25] EN
[54] **WINDOW BLIND**
[54] **STORE DE FENETRE**
[72] WEI, SHUI-DONG, TW
[72] LUO, LEI, TW
[72] CHEN, LIN, TW
[71] NIEN MADE ENTERPRISE CO., LTD., TW
[22] 2023-02-28
[41] 2023-09-18
[30] TW (111202817) 2022-03-18
[30] CN (202220642916.7) 2022-03-23

[21] **3,191,444**
[13] A1
[51] **Int.Cl. G06Q 40/03 (2023.01) G06N 20/00 (2019.01) G06Q 10/087 (2023.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR FACILITATING MERCHANT CASH ADVANCES ON THE BASIS OF FORECASTED RETURN VOLUME**
[54] **METHODE ET APPAREIL POUR FACILITER LES AVANCES DE FONDS AUX MARCHANDS EN FONCTION DU VOLUME DE RETOUR PREVU**
[72] ALVAREZ, PABLO LOPEZ, ES
[72] FORT, ENRIC GILI, US
[72] ZARAGOZA, MARK L SAINZ, US
[72] LIU, OLIVER, US
[72] VILAR, EDUARDO, US
[71] AFFIRM, INC., US
[22] 2023-02-28
[41] 2023-09-17
[30] US (17/697,868) 2022-03-17

[21] **3,191,508**
[13] A1
[51] **Int.Cl. F03D 80/00 (2016.01) B23P 25/00 (2006.01) F16C 3/02 (2006.01) F16D 1/033 (2006.01) F16D 1/076 (2006.01)**
[25] EN
[54] **EDGE PRESSURE RELIEVING GROOVE SHAFT**
[54] **ARBRE DE ROTOR COMPRENANT UNE RAINURE D'ATTENUATION DE LA PRESSION CIRCONFERENTIELLE**
[72] PAWAR, HEMANT BHIMRAO, IN
[72] MOORE, BRADLEY GRAHAM, US
[72] BAWANE, VINAY, IN
[72] BEAN, CHRISTOPHER MICHAEL, US
[71] GENERAL ELECTRIC RENOVABLES ESPANA, S.L., ES
[22] 2023-03-01
[41] 2023-09-23
[30] US (17/702,047) 2022-03-23

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[21] **3,191,600**
[13] A1
[25] EN
[54] **METHOD FOR INSPECTING A COATED SURFACE FOR COATING DEFECTS**
[54] **METHODE D'INSPECTION DE SURFACE REVETUE POUR DETECTER LES DEFAUTS DE REVETEMENT**
[72] ISKEN, PHILIPP, DE
[72] HEEG, SIMON, DE
[72] JANSEN, CLAUDIA, DE
[72] BRAMLAGE, CLAUDIA, DE
[72] GOCKE, UDO, DE
[72] KROEHL, OLIVER, DE
[72] SILBER, STEFAN, DE
[72] BLANDA, GAETANO, DE
[71] EVONIK OPERATIONS GMBH, DE
[22] 2023-03-02
[41] 2023-09-22
[30] EP (22163637.6) 2022-03-22

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[21] **3,191,902**
[13] A1
[51] **Int.Cl. B63B 34/56 (2020.01) B63B 32/50 (2020.01)**
[25] FR
[54] **IMPROVED NAUTICAL ASSEMBLY FOR SPORT**
[54] **ENSEMBLE NAUTIQUE AMELIORE POUR LA PRATIQUE DU SPORT**
[72] BARRERE, CLAUDE, FR
[71] BARRERE, CLAUDE, FR
[22] 2023-03-03
[41] 2023-09-22
[30] FR (22 02545) 2022-03-22

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[21] **3,192,316**
[13] A1
[51] **Int.Cl. E02B 1/00 (2006.01) B01F 27/113 (2022.01) B01F 35/41 (2022.01) B01F 35/71 (2022.01) F04D 13/08 (2006.01)**
[25] EN
[54] **VORTEX DISRUPTOR FOR A LIQUID CIRCULATOR**
[54] **DISPOSITIF ANTITOURBILLON POUR UN CIRCULATEUR DE LIQUIDE**
[72] HILDEN, TRAVIS, US
[71] KASCO MARINE INC., US
[22] 2023-03-08
[41] 2023-09-18
[30] US (63/321394) 2022-03-18

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[21] **3,192,413**
[13] A1
[51] **Int.Cl. E06B 3/44 (2006.01) B65G 69/00 (2006.01) B65G 69/28 (2006.01) E05B 65/08 (2006.01) E05C 1/04 (2006.01) E05F 7/06 (2006.01) E06B 5/00 (2006.01)**
[25] EN
[54] **DOCK DOOR ASSEMBLY**
[54] **ASSEMBLAGE DE PORTE DE QUAI**
[72] AURAND, KEITH, US
[72] WEDEKIND, GARY A., US
[72] CONE, CHRIS, US
[72] LAY, ALEC, US
[71] RAYNOR MFG. CO., US
[22] 2023-03-09
[41] 2023-09-22
[30] US (63/322,497) 2022-03-22

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[21] **3,192,549**
[13] A1
[25] EN
[54] **ANTENNA LATTICE FOR SINGLE-PANEL FULL-DUPLEX SATELLITE USER TERMINALS**
[54] **GRILLE D'ANTENNES POUR DES TERMINAUX D'UTILISATEUR SATELLITES A UN SEUL PANNEAU ET A VOIE DUPLEX**
[72] REDA, AMIN, US
[72] EBADI, SIAMAK, US
[72] KWIATKOWSKI, ERIC DAVID, US
[72] TORABI, ELAHEHSADAT, US
[72] TURKOWSKI, STEFAN WILLAIM, US
[72] PABST, ANDREA, US
[72] OSORIO, ANDRES FELIPE, US
[71] UTVATE CORPORATION, US
[22] 2023-03-10
[41] 2023-09-18
[30] US (17/699,073) 2022-03-18

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[21] **3,192,566**
[13] A1
[51] **Int.Cl. H01M 10/48 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **METHOD OF ESTIMATION OF BATTERY DEGRADATION**
[54] **METHODE D'ESTIMATION DE LA DETERIORATION DE BATTERIE**
[72] SOWA, KACPER, PL
[72] RUSZCZYK, ADAM, PL
[72] NIETO, CARLOS, EE
[71] ABB SCHWEIZ AG, CH
[22] 2023-03-10
[41] 2023-09-18
[30] EP (EP22163101.3) 2022-03-18

[21] **3,192,662**
[13] A1
[25] EN
[54] **ANTENNA LATTICE WITH UNEQUAL SPACING FOR SINGLE-PANEL FULL-DUPLEX SATELLITE USER TERMINALS**
[54] **GRILLE D'ANTENNES A ESPACEMENT INEGAL POUR DES TERMINAUX D'UTILISATEUR SATELLITES A UN SEUL PANNEAU ET A VOIE DUPLEX**
[72] REDA, AMIN, US
[72] EBADI, SIAMAK, US
[72] KWIATKOWSKI, ERIC DAVID, US
[72] TORABI, ELAHEHSADAT, US
[72] TURKOWSKI, STEFAN WILLIAM, US
[72] PABST, ANDREA, US
[72] OSORIO, ANDRES FELIPE, US
[71] UTVATE CORPORATION, US
[22] 2023-03-10
[41] 2023-09-18
[30] US (17/699,074) 2022-03-18

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[21] **3,192,734**
[13] A1
[51] **Int.Cl. C09K 11/79 (2006.01) C09K 11/02 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF FLUXED UP-CONVERSION PHOSPHORS**
[54] **PROCEDE DE PREPARATION DE PHOSPHORES FLUXES DE CONVERSION ASCENDANTE**
[72] SCHULTE, SIMONE, DE
[72] HUTH, MICHAEL, DE
[72] FISCHER, STEFAN, DE
[72] JANKE, CHRISTINA, DE
[72] TSCHERNJAEW, JURI, DE
[71] EVONIK OPERATIONS GMBH, DE
[22] 2023-03-13
[41] 2023-09-17
[30] EP (22162615.3) 2022-03-17

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[21] **3,192,742**
[13] A1
[51] **Int.Cl. C01B 33/20 (2006.01) C01F 17/30 (2020.01) C01B 33/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF UP-CONVERSION PHOSPHORS**
[54] **PROCEDE DE PREPARATION DE PHOSPHORES DE CONVERSION ASCENDANTE**
[72] SCHULTE, SIMONE, DE
[72] HUTH, MICHAEL, DE
[72] FISCHER, STEFAN, DE
[72] JANKE, CHRISTINA, DE
[72] TSCHERNJAEW, JURI, DE
[71] EVONIK OPERATIONS GMBH, DE
[22] 2023-03-13
[41] 2023-09-17
[30] EP (22162614.6) 2022-03-17

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[21] **3,192,900**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING USER-SPECIFIC ESTIMATION WEIGHTS FOR SYNTHESIZING SENSOR READINGS**
[54] **SYSTEME ET METHODE DE DETERMINATION DES POIDS D'ESTIMATION PROPRES AUX UTILISATEURS POUR LA SYNTHESE DES LECTURES DE CAPTEUR**
[72] SULEMAN, OMAR, CA
[72] BLADES, SAMUEL CARL WILLIAM, CA
[71] ORPYX MEDICAL TECHNOLOGIES INC., CA
[22] 2023-03-14
[41] 2023-09-17
[30] US (63/320,805) 2022-03-17

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[21] **3,193,035**
[13] A1
[25] EN
[54] **FIELD GENERATOR ORIENTATION FOR MAGNETIC TRACKING IN PLANAR FIELD GENERATING ASSEMBLIES**
[54] **ORIENTATION DE GENERATEUR DE CHAMP POUR LE SUIVI DE CHAMP MAGNETIQUE DANS LES ASSEMBLAGES DE GENERATION DE CHAMPS PLANS**
[72] BRUNNER, GEORG, DE
[72] PRSA, KRUNOSLAV, DE
[71] NORTHERN DIGITAL INC., CA
[22] 2023-03-15
[41] 2023-09-18
[30] US (63/321,434) 2022-03-18

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[21] **3,193,080**
[13] A1
[51] **Int.Cl. G06Q 30/04 (2012.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF DETERMINING DATA OF ENERGY UTILITIES**
[54] **SYSTEMES ET METHODES DE DETERMINATION DE DONNEES SUR LES SERVICES D'ENERGIE**
[72] TUCKER, JOHN, US
[72] LOPUCH, DANIEL, US
[71] ARCADIA POWER, INC., US
[22] 2023-03-15
[41] 2023-09-23
[30] US (17/701791) 2022-03-23

[21] **3,193,086**
[13] A1
[51] **Int.Cl. C25B 15/00 (2006.01) H01M 8/2432 (2016.01) H01M 8/2475 (2016.01) H01M 8/248 (2016.01) C25B 1/042 (2021.01) C25B 9/70 (2021.01) C25B 13/07 (2021.01)**
[25] EN
[54] **SYSTEM FOR CONDITIONING A PLURALITY OF SUPERIMPOSED SUB-STACKS OF SOLID OXIDE CELLS OF THE HIGH-TEMPERATURE SOEC/SOFC TYPE**
[54] **SYSTEME DE CONDITIONNEMENT DE PLUSIEURS SOUS-ASSEMBLAGES SUPERPOSES DE PILES A OXYDE SOLIDE DU TYPE ELECTROLYSEURS A OXYDE SOLIDE (SOEC)/PILES A OXYDE SOLIDE (SOFC) A HAUTE TEMPERATURE**
[72] DEVANCIARD, NICOLAS, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[22] 2023-03-15
[41] 2023-09-22
[30] FR (2202538) 2022-03-22

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[21] **3,193,170**
[13] A1
[51] **Int.Cl. A23G 3/20 (2006.01) A23P 20/15 (2016.01) A21D 13/24 (2017.01) A23G 1/04 (2006.01) A23G 1/54 (2006.01) A23G 9/50 (2006.01)**
[25] EN
[54] **WAFFLE CONE CHOCOLATE COATER AND COATING METHOD**
[54] **DISPOSITIF POUR ENROBER DE CHOCOLAT DES CORNETS GAUFRES ET METHODE D'ENROBAGE**
[72] AUDIA, JOSEPH MARK, US
[72] MCCARTY, DONALD WAYNE, US
[72] WENDLAND, PETER GALLAGHER, US
[72] CUNNINGHAM, CHARLES H., US
[71] KILWINS CHOCOLATES FRANCHISE, INC., US
[22] 2023-03-16
[41] 2023-09-18
[30] US (63/321.263) 2022-03-18
[30] US (18/183.336) 2023-03-14

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[21] **3,193,171**
[13] A1
[51] **Int.Cl. G06Q 10/047 (2023.01) G06Q 10/0832 (2023.01)**
[25] EN
[54] **GOODS TRANSPORTATION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE TRANSPORT DE MARCHANDISES**
[72] PERRIN, STEVEN MARK, US
[72] PELLET, SELWYN LYLE, NZ
[72] KOYI, AKINYEMI AKINBOWALE, NZ
[71] CORETEX LIMITED, NZ
[22] 2023-03-16
[41] 2023-09-17
[30] US (63/321,092) 2022-03-17

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[21] **3,193,180**
[13] A1
[51] **Int.Cl. C09C 3/12 (2006.01) B32B 5/16 (2006.01) B32B 11/02 (2006.01) B32B 37/24 (2006.01) C09D 5/16 (2006.01) C09D 183/00 (2006.01) E04D 1/22 (2006.01)**
[25] EN
[54] **HYDROPHOBIC GRANULES AND RELATED ARTICLES AND METHODS**
[54] **GRANULES HYDROPHOBES ET ARTICLES ET METHODES CONNEXES**
[72] GOULD, RACHAEL A.T., US
[72] EDWARDS, JOHN S., US
[72] JOLICOEUR, CHRISTIAN A., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[22] 2023-03-16
[41] 2023-09-17
[30] US (63/320974) 2022-03-17

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[21] **3,193,182**
[13] A1
[51] **Int.Cl. H02G 9/10 (2006.01)**
[25] EN
[54] **MODULAR ACCESS CHAMBER AND METHOD OF ASSEMBLY**
[54] **CHAMBRE D'ACCES MODULAIRE ET METHODE D'ASSEMBLAGE**
[72] PRINGLE, GRAEME, GB
[71] PLURA COMPOSITES LTD, GB
[22] 2023-03-16
[41] 2023-09-18
[30] GB (2203810.3) 2022-03-18

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[21] **3,193,193**
[13] A1
[51] **Int.Cl. G06Q 30/0283 (2023.01) G06Q 30/04 (2012.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **METHODS OF CONFIGURING A STATE MACHINE TO MANAGE A COMMUNITY SOLAR ENERGY GENERATING SYSTEM**
[54] **METHODES DE CONFIGURATION D'UNE MACHINE D'ETAT POUR GERER UN SYSTEME DE PRODUCTION D'ENERGIE SOLAIRE COLLECTIF**
[72] BROWN, BRENDAN, US
[72] MACKENZIE, COLIN, US
[71] ARCADIA POWER, INC., US
[22] 2023-03-16
[41] 2023-09-23
[30] US (17/701825) 2022-03-23

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[21] **3,193,225**
[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01) A01D 34/00 (2006.01) A47L 9/28 (2006.01) A47L 11/24 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING AUTONOMOUS MOBILE DEVICE, AUTONOMOUS MOBILE DEVICE, AND COMPUTER STORAGE MEDIUM**
[54] **METHODE POUR CONTROLER UN DISPOSITIF MOBILE AUTONOME, DISPOSITIF MOBILE AUTONOME ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] YAO, ZHUO, CN
[72] LIN, DEGAN, CN
[71] WILLAND (BEIJING) TECHNOLOGY CO., LTD., CN
[22] 2023-03-17
[41] 2023-09-18
[30] CN (202210270364.6) 2022-03-18

[21] **3,193,232**
[13] A1
[25] EN
[54] **REAL WORLD OBJECT RECONSTRUCTION AND REPRESENTATION**
[54] **RECONSTITUTION ET REPRESENTATION D'OBJET DANS LE MONDE REEL**
[72] YANG, ZE, CA
[72] MANIVASAGAM, SIVABALAN, CA
[72] CHEN, YUN, CA
[72] WANG, JINGKANG, CA
[72] URTASUN, RAQUEL, CA
[71] WAABI INNOVATION INC., CA
[22] 2023-03-17
[41] 2023-09-17
[30] US (63/320,777) 2022-03-17
[30] US (18/182,491) 2023-03-13

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[21] **3,193,235**
[13] A1
[51] **Int.Cl. B65G 35/00 (2006.01) B07C 5/36 (2006.01) B65G 13/02 (2006.01) B65G 37/00 (2006.01) B65G 39/10 (2006.01)**
[25] EN
[54] **APPARATUS FOR MOVING OBJECTS AND RELATED MOVEMENT METHOD**
[54] **APPAREIL POUR DEPLACER DES OBJETS ET METHODE DE DEPLACEMENT CONNEXE**
[72] ABDELWAHAB, ESSAM
ALAAELDIN ALI AHMED, IT
[72] FILELLA, CARMINE, IT
[71] FIVES INTRALOGISTICS S.P.A., IT
[22] 2023-03-17
[41] 2023-09-18
[30] IT (102022000005318) 2022-03-18

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[13] A1
[51] **Int.Cl. B60P 7/04 (2006.01) B60J 7/02 (2006.01) B62D 27/04 (2006.01) F16B 7/00 (2006.01) F16B 12/50 (2006.01)**
[25] EN
[54] **CORNER BRACKET**
[54] **SUPPORT DE COIN**
[72] BJORUM, JUSTIN, US
[72] CALLAHAN, JOE, US
[71] BJORUM, JUSTIN, US
[71] CALLAHAN, JOE, US
[22] 2023-03-17
[41] 2023-09-18
[30] US (18/184,234) 2023-03-15
[30] US (63/269,579) 2022-03-18

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[21] **3,193,272**
[13] A1
[51] **Int.Cl. B65G 53/66 (2006.01) B65G 53/04 (2006.01) B65G 53/10 (2006.01)**
[25] EN
[54] **PNEUMATIC CONVEYANCE SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE TRANSPORT PNEUMATIQUE**
[72] VANVEEN, RYAN, CA
[71] WALINGA INC., CA
[22] 2023-03-17
[41] 2023-09-17
[30] US (63/321,049) 2022-03-17

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[21] **3,193,307**
[13] A1
[51] **Int.Cl. A47K 1/09 (2006.01) A47G 29/08 (2006.01)**
[25] EN
[54] **HYGIENE IMPLEMENT HOLDER WITH SHIELD**
[54] **SUPPORT D'APPAREIL HYGIENIQUE AVEC ELEMENT PROTECTEUR**
[72] GELLMAN, BRIAN J., US
[72] GELLMAN, MARC, US
[71] NOOKOLOGY LLC, US
[22] 2023-03-17
[41] 2023-09-18
[30] US (63/321,489) 2022-03-18

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[21] **3,193,312**
[13] A1
[51] **Int.Cl. H02J 50/00 (2016.01) H04W 84/12 (2009.01) H02J 50/23 (2016.01) H02J 50/40 (2016.01) H02J 50/80 (2016.01) H02J 7/02 (2016.01)**
[25] EN
[54] **WIRELESS CHARGING METHOD AND SYSTEM**
[54] **METHODE ET SYSTEME DE RECHARGE SANS FIL**
[72] GLOVER, AHMAD L.D., US
[72] CHIBANE, CHERIF, US
[71] WIRELESS ELECTRICAL GRID LAN, WIGL INC, US
[22] 2023-03-17
[41] 2023-09-19
[30] US (17/699092) 2022-03-19

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[21] **3,193,336**
[13] A1
[51] **Int.Cl. A01K 1/00 (2006.01) E05F 15/70 (2015.01) A01K 1/03 (2006.01) A01K 5/02 (2006.01) A01K 7/02 (2006.01) A01K 29/00 (2006.01) A23N 17/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MONITORING AND/OR CONTROLLING FOOD ACCESS FOR A CAGED ANIMAL**
[54] **METHODE ET APPAREIL POUR SURVEILLER ET/OU CONTROLER L'ACCES A LA NOURRITURE POUR UN ANIMAL EN CAGE**
[72] MADDAHI, YASER, CA
[72] MADDAHI, ALI, CA
[71] TACTILE ROBOTICS LTD., CA
[22] 2023-03-20
[41] 2023-09-18
[30] US (63/321,368) 2022-03-18

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[21] **3,193,338**
[13] A1
[51] **Int.Cl. E04D 1/10 (2006.01) B32B 5/16 (2006.01) C04B 41/00 (2006.01) E04D 1/22 (2006.01) E04D 3/18 (2006.01) E04D 3/34 (2006.01) E04D 5/12 (2006.01)**
[25] EN
[54] **ROOFING GRANULES AND RELATED ARTICLES**
[54] **GRANULES DE COUVERTURE ET ARTICLES CONNEXES**
[72] EDWARDS, JOHN S., US
[72] GOULD, RACHAEL A. T., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[22] 2023-03-16
[41] 2023-09-17
[30] US (63/320,981) 2022-03-17

[21] **3,193,339**
[13] A1
[51] **Int.Cl. F24F 11/62 (2018.01) F24F 11/86 (2018.01) F25B 49/02 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **HVAC SYSTEM WITH IMPROVED OPERATION OF A VARIABLE SPEED COMPRESSOR DURING A PEAK DEMAND RESPONSE**
[54] **SYSTEME CVC COMPRENANT UNE OPERATION AMELIOREE D'UN COMPRESSEUR A VITESSE VARIABLE PENDANT UNE REPONSE DE DEMANDE DE POINTE**
[72] BRAHME, ROHINI, US
[72] HREJSA, PETE, US
[71] LENNOX INDUSTRIES INC., US
[22] 2023-03-20
[41] 2023-09-21
[30] US (17/655,685) 2022-03-21

[21] **3,193,364**
[13] A1
[51] **Int.Cl. H04L 12/14 (2006.01) H04L 41/16 (2022.01) H04L 43/16 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING FRAUDULENT NETWORK TRAFFIC**
[54] **SYSTEME ET PROCEDE POUR DETECTER LE TRAFIC DE RESEAU FRAUDULEUX**
[72] PALANISAMY, ANURAM, IN
[71] SANDVINE CORPORATION, CA
[22] 2023-03-20
[41] 2023-09-19
[30] IN (202211015267) 2022-03-19
[30] EP (23162613.6) 2023-03-17

[21] **3,193,368**
[13] A1
[51] **Int.Cl. C09K 3/18 (2006.01) B32B 11/02 (2006.01) E04D 1/26 (2006.01) E04D 5/12 (2006.01) E04D 11/00 (2006.01)**
[25] EN
[54] **POROUS GRANULES AND HYDROPHOBIC GRANULES AND RELATED ARTICLES**
[54] **GRANULES POREUSES ET GRANULES HYDROPHOBES ET ARTICLES CONNEXES**
[72] EDWARDS, JOHN S., US
[72] GOULD, RACHAEL A.T., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[22] 2023-03-17
[41] 2023-09-17
[30] US (63/320,998) 2022-03-17

[21] **3,193,382**
[13] A1
[51] **Int.Cl. G06F 16/14 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREDICTING SIGNIFICANT FILES FROM WITHIN A DATASET OF INTEREST**
[54] **SYSTEME ET METHODE DE PREDICTION DE FICHIERS SIGNIFICATIFS DE L'INTERIEUR D'UN ENSEMBLE DE DONNEES D'INTERET**
[72] SALIBA, JAD JOHN, CA
[72] MOODY, MATTHEW, CA
[72] WILLIAMSON, MIKE, CA
[72] MELTON, TARAH, CA
[72] AMICK, HAROLD C., CA
[71] MAGNET FORENSICS INC., CA
[22] 2023-03-20
[41] 2023-09-18
[30] US (63/321,282) 2022-03-18

[21] **3,193,391**
[13] A1
[51] **Int.Cl. A61B 17/15 (2006.01) A61B 34/10 (2016.01) A61F 2/46 (2006.01) A61F 2/38 (2006.01)**
[25] EN
[54] **MEDIAL BIASED PATIENT-SPECIFIC INSTRUMENTATION AND RELATED METHODS**
[54] **APPAREILLAGE PROPRE A UN PATIENT A AJUSTEMENT MEDIAL ET METHODES CONNEXES**
[72] SHAH, RITESH R., US
[72] DANG, DUY Q,, US
[72] HERNANDEZ B., JUAN D., US
[72] MORA, IRVING ROMERO, US
[72] MORA, ALEJANDRA BARQUERO, US
[72] HARRIS, BRIAN R., JR., US
[71] MICROPORT ORTHOPEDICS HOLDINGS INC., US
[71] SHAH, RITESH R., US
[22] 2023-03-20
[41] 2023-09-21
[30] US (18/182516) 2023-03-13
[30] US (63/269642) 2022-03-21

[21] **3,193,395**
[13] A1
[51] **Int.Cl. F02M 35/10 (2006.01) F02M 31/00 (2006.01) F16M 1/00 (2006.01)**
[25] EN
[54] **GENERATOR ENCLOSURE AIR INTAKE WITH DAMPER**
[54] **PRISE D'AIR D'ENCEINTE DE GENERATEUR AVEC AMORTISSEUR**
[72] SHARP, BRIAN, US
[72] ROBISON, JASON, US
[72] HARVELL, CHRIS, US
[71] STEWART & STEVENSON LLC, US
[22] 2023-03-20
[41] 2023-09-21
[30] US (63/322064) 2022-03-21

[21] **3,193,436**
[13] A1
[25] EN
[54] **METHOD AND SYSTEM FOR HYBRID ANALOG AND DIGITAL SIGNAL PROCESING AND ROUTING**
[54] **METHODE ET SYSTEME POUR LE TRAITEMENT ET L'ACHEMINEMENT DE SIGNAUX ANALOGIQUES ET NUMERIQUES HYBRIDES**
[72] FANKHAUSER, ERIC, CA
[72] JOHNSTON, NICHOLAS JOSEPH, US
[71] EVERTZ MICROSYSTEMS LTD., CA
[22] 2023-03-20
[41] 2023-09-21
[30] US (63/321,781) 2022-03-21

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[21] **3,193,442**
[13] A1
[51] **Int.Cl. E04B 5/00 (2006.01) E02D 27/00 (2006.01) E03C 1/00 (2006.01) E04F 17/00 (2006.01)**
[25] EN
[54] **MODULAR FLOOR CASSETTE**
[54] **CASSETTE DE PLANCHER MODULAIRE**
[72] ARCHULETA, JAMES GERONIMO, US
[72] KAISER, BENJAMIN, US
[72] DAWSON, EMILY, US
[71] UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US
[22] 2023-03-20
[41] 2023-09-21
[30] US (63/321832) 2022-03-21

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[21] **3,193,503**
[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01)**
[25] EN
[54] **CONVERTIBLE SNOW PLOW**
[54] **CHASSE-NEIGE CONVERTIBLE**
[72] GATES, GATESY R.C.D., US
[72] LEBLOND, ANDRE VALMONT, US
[71] DOUGLAS DYNAMICS, L.L.C., US
[22] 2023-03-16
[41] 2023-09-17
[30] US (17/655,189) 2022-03-17

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[21] **3,193,515**
[13] A1
[51] **Int.Cl. F16B 41/00 (2006.01) F01D 9/06 (2006.01) F16B 39/02 (2006.01) F16L 25/00 (2006.01)**
[25] EN
[54] **SERVICE TUBE LOCKING DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE DE TUBE DE SERVICE**
[72] LEFEBVRE, GUY, CA
[72] SYNNOTT, REMY, CA
[72] SAVARD, PHILIPPE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-03-15
[41] 2023-09-17
[30] US (17/655,205) 2022-03-17

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[21] **3,193,522**
[13] A1
[25] EN
[54] **QCM WITH ELECTRODE CONFIGURATION BASED ON DISTRIBUTION OF AREA FOR IMPROVING MASS SNSITIVITY (DAIS)**
[54] **MICROBALANCE A QUARTZ A CONFIGURATION D'ELECTRODES FONDEE SUR LA DISTRIBUTION D'AIRE POUR AMELIORER LA SENSIBILITE DE MASSE (DAIS)**
[72] EMADI, AREZOO, CA
[72] SWAMINATHAN, SIDDHARTH, IN
[71] UNIVERSITY OF WINDSOR, CA
[22] 2023-03-17
[41] 2023-09-21
[30] US (63/321,848) 2022-03-21

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[21] **3,193,526**
[13] A1
[51] **Int.Cl. B01D 27/08 (2006.01) B01D 27/04 (2006.01) B01D 35/02 (2006.01)**
[25] EN
[54] **FILTER ASSEMBLIES AND METHODS OF FILTERING WITH THE SAME**
[54] **ENSEMBLES DE FILTRAGE ET METHODES DE FILTRATION**
[72] BRANSFORD, ELIZABETH, US
[72] ZHONG, DAVID, US
[72] BELL, RUSSELL E., US
[72] MCDONALD, JONATHAN, US
[71] BRITA LP, US
[22] 2023-03-17
[41] 2023-09-17
[30] US (63/320,960) 2022-03-17
[30] US (63/333,350) 2022-04-21
[30] US (18/185,019) 2023-03-16

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[13] A1
[51] **Int.Cl. C08L 101/12 (2006.01) B33Y 10/00 (2015.01) B33Y 80/00 (2015.01) B29C 64/165 (2017.01) C08K 3/01 (2018.01) B33Y 70/10 (2020.01)**
[25] EN
[54] **PIEZORESISTIVE COMPOSITES VIA ADDITIVE MANUFACTURING AND COMPOSITE FILAMENTS ASSOCIATED THEREWITH**
[54] **COMPOSITES PIEZORESISTIFS PAR FABRICATION ADDITIVE ET FILAMENTS COMPOSITES CONNEXES**
[72] ZHU, YUJIE, CA
[72] VELLA, SARAH J, CA
[72] VASILEIOU, ALEXANDROS, CA
[71] XEROX CORPORATION, US
[22] 2023-03-20
[41] 2023-09-22
[30] US (17/701364) 2022-03-22

[21] **3,193,604**
[13] A1
[51] **Int.Cl. E04F 11/02 (2006.01) B60P 3/36 (2006.01) B60R 3/02 (2006.01) E04F 11/04 (2006.01)**
[25] EN
[54] **PIVOTING STAIRCASE**
[54] **ESCALIER PIVOTANT**
[72] MASON, RYAN, US
[72] GRANZOTTO, ANTHONY J., US
[72] TOMPKINS, GARY E., US
[72] SOETAERT, DAVID, US
[72] KAUFFMAN, BEN, US
[71] MORRYDE INTERNATIONAL, INC., US
[22] 2023-03-21
[41] 2023-09-21
[30] US (63/322.021) 2022-03-21

[21] **3,193,612**
[13] A1
[51] **Int.Cl. F16B 25/00 (2006.01) F16B 25/04 (2006.01) F16B 35/04 (2006.01)**
[25] EN
[54] **WOOD SCREW**
[54] **VIS A BOIS**
[72] MALOTT, DALE G., US
[72] LAJEWARDI, FARHAD, US
[71] THE HILLMAN GROUP, INC., US
[22] 2023-03-21
[41] 2023-09-21
[30] US (63/321,895) 2022-03-21

[21] **3,193,627**
[13] A1
[25] EN
[54] **VEHICLE ROLLOVER NOTIFICATION SYSTEM**
[54] **SYSTEME DE NOTIFICATION DE RENVERSEMENT DE VEHICULE**
[72] AVILA, CARL ANTHONY ("TONY"), US
[72] CICCARELLI, ANDREW, US
[71] INNOVATIVE AFTERMARKET GROUP, US
[22] 2023-03-21
[41] 2023-09-21
[30] US (63/269,677) 2022-03-21
[30] US (18/186,576) 2023-03-20

[21] **3,193,660**
[13] A1
[51] **Int.Cl. G06Q 30/0601 (2023.01) G06Q 50/16 (2012.01)**
[25] EN
[54] **VIRTUAL MARKETSPACE SMART NEGOTIATION**
[54] **NEGOCIATION INTELLIGENTE DANS LES MARCHES VIRTUELS**
[72] CARCAMO, JORGE ELIAS "JOREL", US
[72] CARCAMO, CLAUDIA CECILIA, US
[71] QONECTIN, US
[22] 2023-03-21
[41] 2023-09-22
[30] US (63/322,626) 2022-03-22

[21] **3,193,710**
[13] A1
[51] **Int.Cl. E02D 17/20 (2006.01) D02G 3/22 (2006.01) E01F 7/02 (2006.01) E04H 17/00 (2006.01)**
[25] EN
[54] **WOVEN SILT FENCES INCLUDING INTEGRALLY WOVEN POCKETS FOR SUPPORT POSTS**
[54] **CLOTURES DE LIMON TISSE COMPRENANT DES POCHES TISSEES INTEGREES POUR Y INSERER DES POTEAUX DE SUPPORT**
[72] RAY, KEVIN WILLIAM, US
[72] BOOTH, ERIC LEE, US
[72] GRACE, MELISSA ANNE, US
[71] WILLACOOCHEE INDUSTRIAL FABRICS, INC., US
[22] 2023-03-21
[41] 2023-09-22
[30] US (63/322,543) 2022-03-22
[30] US (63/449,214) 2023-03-01
[30] US (18/120,699) 2023-03-13

[21] **3,193,760**
[13] A1
[51] **Int.Cl. B05C 1/06 (2006.01) B05C 17/00 (2006.01)**
[25] EN
[54] **PAD PAINTER SYSTEM**
[54] **SYSTEME DE TAMPON POUR PEINTURE**
[72] GURRERI, CHRISTOPHER NICHOLAS, US
[72] KITCHEN, JENNIFER S., US
[72] LAMBERTSON, MICHAEL C., JR., US
[72] MCKINNEY, CONNIE M., US
[71] SWIMC LLC, US
[22] 2023-03-21
[41] 2023-09-21
[30] US (17/699530) 2022-03-21

[21] **3,193,781**
[13] A1
[51] **Int.Cl. G06F 21/32 (2013.01) G06V 40/12 (2022.01) G06V 40/16 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTHENTICATION AND VALIDATION BASED ON USER CREDENTIAL AND BIOMETRIC DATA**
[54] **SYSTEMES ET METHODES D'AUTHENTIFICATION ET DE VALIDATION FONDEES SUR LES JUSTIFICATIFS D'IDENTITE ET LES DONNEES BIOMETRIQUES**
[72] HSU, REIN-LIEN, US
[72] MAYER, JOSEPH R., US
[71] IDEMIA IDENTITY & SECURITY USA LLC, US
[22] 2023-03-22
[41] 2023-09-22
[30] US (63/322290) 2022-03-22

[21] **3,193,803**
[13] A1
[51] **Int.Cl. A61M 5/172 (2006.01)**
[25] EN
[54] **INFUSION DEVICE HUB FOR INTELLIGENT OPERATION OF INFUSION ACCESSORIES**
[54] **POSTE D'ACCUEIL DE DISPOSITIF DE PERFUSION POUR L'EXPLOITATION INTELLIGENTE D'ACCESSOIRES DE PERFUSION**
[72] MOONEY, KEITH, US
[72] O'BRIEN, KEVIN, US
[71] CAREFUSION 303, INC., US
[22] 2023-03-22
[41] 2023-09-22
[30] US (63/322,628) 2022-03-22

[21] **3,193,831**
[13] A1
[51] **Int.Cl. F21S 8/04 (2006.01) F21K 9/00 (2016.01) F21S 4/20 (2016.01) F21V 5/00 (2018.01) F21V 14/06 (2006.01) F21V 23/06 (2006.01)**
[25] EN
[54] **VERSATILE EMERGENCY LIGHTING LUMINAIRE FOR BUILDINGS**
[54] **APPAREIL D'ECLAIRAGE DE SECOURS POLYVALENT POUR LES BATIMENTS**
[72] MARTINS, FABRICE, FR
[71] ABB SCHWEIZ AG, CH
[22] 2023-03-22
[41] 2023-09-23
[30] EP (EP22163747.3) 2022-03-23

[21] **3,193,867**
[13] A1
[51] **Int.Cl. B63B 1/08 (2006.01) B63B 35/34 (2006.01) B63B 35/613 (2006.01)**
[25] EN
[54] **MODIFIED PONTOON ASSEMBLY FOR IMPROVED FLOTATION AND METHOD OF ASSEMBLY THEREOF**
[54] **ASSEMBLAGE DE FLOTTEUR MODIFIE POUR AMELIORER LA FLOTTABILITE ET METHODE D'ASSEMBLAGE**
[72] BESTUL, KEVIN, US
[71] FOREST RIVER, INC., US
[22] 2023-03-22
[41] 2023-09-23
[30] US (63/322,840) 2022-03-23
[30] US (18/118,806) 2023-03-08

[21] **3,193,911**
[13] A1
[51] **Int.Cl. G06V 20/70 (2022.01) G06T 15/00 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IDENTIFYING CHANGES IN A SPACE**
[54] **SYSTEMES ET METHODES POUR CERNER DES CHANGEMENTS DANS UN ESPACE**
[72] BERMAN, ISAAC LOUIS GOLD, CA
[72] BINA, BARDIA, CA
[71] INTERAPTIX INC., CA
[22] 2023-03-17
[41] 2023-09-18
[30] US (63/321,288) 2022-03-18

[21] **3,193,922**
[13] A1
[51] **Int.Cl. G09B 5/06 (2006.01) G06N 20/00 (2019.01) G06N 3/0475 (2023.01) G09B 9/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING VEHICLE PARAMETERS FOR TRAINING A USER TO SCORE A VEHICLE MANEUVER**
[54] **METHODE ET SYSTEME DE GENERATION DE PARAMETRES DE VEHICULE POUR FORMER UN UTILISATEUR A NOTER UNE MANOEUVRE DE VEHICULE**
[72] CHAOUACHI, MAHER, CA
[72] DELISLE, JEAN-FRANCOIS, CA
[71] CAE INC., CA
[22] 2023-03-23
[41] 2023-09-23
[30] US (18/188,516) 2023-03-23
[30] US (63/269,797) 2022-03-23

[21] **3,193,926**
[13] A1
[51] **Int.Cl. G09B 19/24 (2006.01) G06F 3/01 (2006.01) G09B 5/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CUSTOMIZING TRAINING OF A USER TO PERFORM PERCUTANEOUS CORONARY INTERVENTIONS**
[54] **METHODE ET SYSTEME POUR PERSONNALISER LA FORMATION D'UN UTILISATEUR A REALISER DES INTERVENTIONS CORONARIENNES PERCUTANEES**
[72] STRAUB, RANDALL, CA
[72] BANO, JORDAN, CA
[72] CLOUTIER, MICHAEL, CA
[72] FOREST, CLEMENT, CA
[72] HADDAD, PETER, CA
[72] SOSIC, IVONA, CA
[72] NORMANDIN, GUILLAUME, CA
[71] CAE HEALTHCARE CANADA INC., CA
[22] 2023-03-23
[41] 2023-09-23
[30] US (63/269,810) 2022-03-23
[30] US (18/187,879) 2023-03-22

[21] **3,193,928**
[13] A1
[25] EN
[54] **SECURE HARDWARE ENCLAVE SYSTEM AND METHOD FOR GEOLOCATION COMPUTATION USING LEO SATELLITE ASSISTANCE**
[54] **SYSTEME D'ENCLAVE DE MATERIEL SECURISE ET METHODE DE CALCUL DE GEOLOCALISATION A L'AIDE D'UN SATELLITE LEO**
[72] MUMTAZ, ARSLAN, PK
[72] ZAIN, NOMAN, PK
[72] RAMZAN, RASHAD, PK
[72] FAROOQ, MUDDASSAR, PK
[72] STANWOOD, KENNETH, US
[71] WI-LAN RESEARCH INC., US
[22] 2023-03-23
[41] 2023-09-23
[30] US (63/322,760) 2022-03-23

[21] **3,193,932**
[13] A1
[51] **Int.Cl. A01G 9/20 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING HORTICULTURAL LOAD SHEDDING**
[54] **SYSTEMES ET METHODES POUR LA GESTION DE DELESTAGE HORTICOLE**
[72] BRUN, LOUIS, CA
[72] ROY-MOISAN, FRANCOIS, CA
[72] POIRIER, JACQUES, CA
[72] DUPRAS, GABRIEL, CA
[72] TREMBLAY, MARC, CA
[72] LONGPRE, FLORENCE, CA
[71] SOLLUM TECHNOLOGIES INC., CA
[22] 2023-03-23
[41] 2023-09-23
[30] US (63/269,805) 2022-03-23

[21] **3,193,956**
[13] A1
[25] EN
[54] **PRESERVING CHANNEL LOCK AND PERFORMING DYNAMIC AD INSERTION (DAI) IN A MULTI-DEVICE SETUP**
[54] **PRESERVATION D'UN VERROU DE CANAL ET REALISATION D'UNE INSERTION DYNAMIQUE D'ANNONCE DANS UN REGLAGE A DISPOSITIFS MULTIPLES**
[72] GROVER, MATTHEW, US
[71] ROKU, INC., US
[22] 2023-03-23
[41] 2023-09-23
[30] US (17/702,239) 2022-03-23

[21] **3,193,964**
[13] A1
[51] **Int.Cl. G06Q 30/04 (2012.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF UTILITY DATA TRIANGULATION TO VERIFY DATA ACCURACY**
[54] **SYSTEMES ET METHODES DE TRIANGULATION DES DONNEES DE SERVICE POUR VERIFIER L'EXACTITUDE DES DONNEES**
[72] TUCKER, JOHN, US
[72] RILEY, JASON, US
[72] PRABHU, SAN, US
[72] GARCIA, RUBEN, US
[71] ARCADIA POWER, INC., US
[22] 2023-03-23
[41] 2023-09-23
[30] US (17/701,776) 2022-03-23

[21] **3,193,978**
[13] A1
[51] **Int.Cl. E04F 21/00 (2006.01) E04G 21/18 (2006.01) E06B 1/04 (2006.01) F16M 13/00 (2006.01) F16M 13/02 (2006.01)**
[25] EN
[54] **HORIZONTAL PORTION OF A FRAME IN A STUD WALL AND INSTALLATION TOOL THEREFOR**
[54] **PARTIE HORIZONTALE D'UN CADRE DE COLOMBAGE ET OUTIL D'INSTALLATION ASSOCIE**
[72] BELANGER, GHISLAIN, CA
[71] BELANGER, GHISLAIN, CA
[22] 2023-03-23
[41] 2023-09-23
[30] US (17/702,442) 2022-03-23

[21] **3,194,017**
[13] A1
[51] **Int.Cl. B32B 37/12 (2006.01) E04B 1/18 (2006.01) E04B 1/24 (2006.01)**
[25] EN
[54] **SYSTEM FOR PRE-ASSEMBLING SITE MATERIALS**
[54] **SYSTEME DE PREASSEMBLAGE DE MATERIAUX DE SITE**
[72] LABONTE, PIERRE, CA
[72] PERRON, MARIO, CA
[72] ROY, RENE, CA
[71] LCPR INC., CA
[22] 2023-03-23
[41] 2023-09-23
[30] US (63/269.780) 2022-03-23

[21] **3,194,093**
[13] A1
[51] **Int.Cl. B01D 53/52 (2006.01) B01D 53/02 (2006.01) B01J 20/22 (2006.01)**
[25] EN
[54] **METHOD AND SCAVENING MIXTURE FOR REMOVING HYDROGEN SULFIDE FROM A GAS STREAM**
[54] **METHODE ET MELANGE SAPROPHAGE POUR ELIMINER LE SULFURE D'HYDROGENE D'UN FLUX DE GAZ**
[72] BINGHAM, JONATHAN R., US
[72] ZHANG, LEI, US
[72] TREASURE, MARLON ORLANDO, US
[71] FOREMARK PERFORMANCE CHEMICALS, US
[22] 2023-03-23
[41] 2023-09-23
[30] US (63/322,963) 2022-03-23

[21] **3,194,269**
[13] A1
[51] **Int.Cl. E21B 33/12 (2006.01)**
[25] EN
[54] **CHEMICAL BYPASS FOR A PACKER IN A WELLSTRING**
[54] **DERIVATION CHIMIQUE POUR UN PACKER DANS UNE COLONNE DE TUBAGE**
[72] RAGLIN, JOHN M., US
[72] RAMIREZ, JUSTIN R., US
[72] MESSER, RUSSELL J., US
[72] HINOJOS, STEVEN R., US
[71] WELLWORX ENERGY SOLUTIONS LLC, US
[22] 2023-03-23
[41] 2023-09-23
[30] US (63/322,981) 2022-03-23

[21] **3,194,935**
[13] A1
[51] **Int.Cl. A01B 69/04 (2006.01)**
[25] EN
[54] **A MOBILE AUTONOMOUS AGRICULTURAL SYSTEM**
[54] **SYSTEME AGRICOLE AUTONOME MOBILE**
[72] PALMER, EDWARD JOHN FRANCIS, GB
[72] KOTTERI, JITHESH, GB
[72] OWENS, AUSTIN WILLIAM, GB
[72] PERRETT, DANIEL JOHN OWEN, GB
[71] S&A GROUP HOLDINGS LIMITED, GB
[22] 2023-03-16
[41] 2023-09-18
[30] GB (2203843.4) 2022-03-18

[21] **3,199,841**
[13] A1
[51] **Int.Cl. A61M 1/14 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **DIALYSIS TREATMENT FACILITY WALL-BOX APPARATUS**
[54] **APPAREIL DE BOITIER MURAL POUR UNE INSTALLATION DE DIALYSE**
[72] TAWEH, GEORGE, US
[71] TAWEH, GEORGE, US
[22] 2023-05-16
[41] 2023-09-19
[30] US (17/655,546) 2022-03-19

[21] **3,205,448**
[13] A1
[51] **Int.Cl. G01C 21/20 (2006.01) H04W 4/40 (2018.01) A01D 75/00 (2006.01)**
[25] EN
[54] **METHOD FOR CONSTRUCTING MAP FOR MOWER, STORAGE MEDIUM, MOWER, AND MOBILE TERMINAL**
[54] **METHODE DE CREATION DE CARTE POUR UNE TONDEUSE, SUPPORT DE STOCKAGE, TONDEUSE, TERMINAL MOBILE**
[72] ZHANG, SHAOGUANG, CN
[72] LIN, DEGAN, CN
[72] YAO, ZHUO, CN
[71] WILLAND (BEIJING) TECHNOLOGY CO., LTD., CN
[22] 2023-07-05
[41] 2023-09-18
[30] CN (202210785329.8) 2022-07-05

[21] **3,205,539**
[13] A1
[51] **Int.Cl. G06Q 10/0637 (2023.01)**
[25] EN
[54] **COMPUTER SYSTEM AND COMPUTER-READABLE MEDIUM FOR PROJECT MANAGEMENT**
[54] **SYSTEME INFORMATIQUE ET SUPPORT LISIBLE PAR ORDINATEUR POUR LA GESTION DE PROJET**
[72] MCCORMICK, WILLIAM, CA
[71] PLUMBATA INTELLIGENT BUSINESS SOLUTIONS INC., CA
[22] 2023-07-06
[41] 2023-09-19
[30] US (18/346,833) 2023-07-04

[21] **3,205,835**
[13] A1
[51] **Int.Cl. H04W 36/32 (2009.01) H04W 36/08 (2009.01) A01D 34/00 (2006.01) G01S 19/12 (2010.01) H04W 4/70 (2018.01)**
[25] EN
[54] **METHOD FOR SWITCHING BASE STATION OF MOWER, MOVER AND MULTI-BASE STATION WORKING SYSTEM**
[54] **METHODE DE COMMUTATION DE LA STATION DE BASE D'UNE TONDEUSE ET SYSTEME D'EXPLOITATION DE MULTIPLES STATIONS DE BASE**
[72] CHOU, BOXING, CN
[72] YU, TIANNING, CN
[72] CHEN, ZICHONG, CN
[71] WILLAND (BEIJING) TECHNOLOGY CO., LTD., CN
[22] 2023-07-07
[41] 2023-09-21
[30] CN (202210800123.8) 2022-07-08

[21] **3,206,526**
[13] A1
[51] **Int.Cl. A61B 50/30 (2016.01) A61B 50/33 (2016.01) B65D 81/24 (2006.01) B65D 85/20 (2006.01) B65D 81/07 (2006.01)**
[25] EN
[54] **MEDICAL CONTAINER PACKAGING**
[54] **EMBALLAGE DE CONTENANT MEDICAL**
[72] NOVAK, WENZEL, DE
[72] CUEVAS, RAMSES, US
[72] LEUSCHNER, UDO, DE
[72] PRETE, RICCARDO, IT
[71] GERRESHEIMER GLAS GMBH, DE
[71] STEVANATO GROUP S.P.A., IT
[22] 2023-07-13
[41] 2023-09-22
[30] US (63/390,153) 2022-07-18

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[51] **Int.Cl. B01D 11/02 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) C07D 311/80 (2006.01) C11B 9/00 (2006.01) A23L 33/105 (2016.01)**
[25] EN
[54] **DEVICE AND METHOD FOR THE EXTRACTION OF ONE OR MORE COMPONENTS, IN PARTICULAR CANNABINOIDS SUCH AS TETRAHYDROCANNABINOL FROM A MIXTURE OF SUBSTANCES**
[54] **DISPOSITIF ET METHODE POUR L'EXTRACTION D'UN OU PLUSIEURS COMPOSANTS, PLUS PRECISEMENT LES CANNABINOIDES COMME LE TETRAHYDROCANNABINOL, D'UN MELANGE DE SUBSTANCES**
[72] SCHMITT, FRITZ, LU
[71] APHRIA RX GMBH, DE
[85] 2022-03-17
[86] 2022-03-17 (PCT/DE2022/100206)
[87] (3155358)

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[21] **3,156,427**
[13] A1
[51] **Int.Cl. E03C 1/22 (2006.01) E03F 5/04 (2006.01)**
[25] EN
[54] **ADAPTER FOR A DRAIN DEVICE**
[54] **ADAPTATEUR POUR UN DISPOSITIF DE DRAINAGE**
[72] WEDI, STEPHAN, DE
[71] WEDI GMBH, DE
[85] 2022-04-27
[86] 2022-03-17 (PCT/EP2022/056935)
[87] (3156427)

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[21] **3,156,431**
[13] A1
[51] **Int.Cl. E03C 1/22 (2006.01)**
[25] EN
[54] **DRAIN DEVICE WITH AN ADJUSTABLE SUPPORT FOR A DRAIN COVER**
[54] **DISPOSITIF DE DRAINAGE AYANT UN SUPPORT AJUSTABLE POUR UN COUVRE-DRAIN**
[72] WEDI, STEPHAN, DE
[71] WEDI GMBH, DE
[85] 2022-04-27
[86] 2022-03-17 (PCT/EP2022/056950)
[87] (3156431)

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[21] **3,179,078**
[13] A1
[51] **Int.Cl. G06Q 20/32 (2012.01)**
[25] EN
[54] **REQUEST PROCESSING VIA RICH MESSAGING SYSTEMS**
[54] **TRAITEMENT DE DEMANDE PAR L'INTERMEDIAIRE DE SYSTEMES DE MESSAGERIE RICHE**
[72] HAYES, MARC F. JR., US
[71] LIVEPERSON, INC., US
[85] 2022-11-16
[86] 2021-06-04 (PCT/US2021/035853)
[87] (WO2021/247968)
[30] US (63/035,418) 2020-06-05

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[13] A1
[51] **Int.Cl. G08G 1/123 (2006.01) B60W 40/105 (2012.01) B60W 40/00 (2006.01) E21F 13/00 (2006.01) E21F 17/00 (2006.01) G08B 21/18 (2006.01)**
[25] EN
[54] **LOW-ENERGY-CONSUMPTION GRADING AND POSITIONING METHOD FOR COAL MINE AUXILIARY TRANSPORTATION VEHICLE AND SYSTEM THEREOF**
[54] **METHODE DE CLASSEMENT ET DE POSITIONNEMENT ECOENERGETIQUE POUR UN VEHICULE DE TRANSPORT AUXILIAIRE DE MINE DE CHARBON ET SYSTEME CONNEXE**
[72] JIANG, FAN, CN
[72] ZHU, ZHENCAI, CN
[72] HUANG, XINGTAO, CN
[72] ZHOU, GONGBO, CN
[72] LIU, NIANSHENG, CN
[72] WANG, LIBING, CN
[72] ZHANG CHUANSHENG, CN
[72] GUO, JUNFENG, CN
[72] SHEN, GANG, CN
[72] CHENG, SHUMAN, CN
[72] MA, JINLEI, CN
[72] ZHANG, CHAOFAN, CN
[72] YL, WENWEN, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[71] XUZHOU KERUI MINING TECHNOLOGY CO., LTD., CN
[85] 2023-03-17
[86] 2022-09-30 (PCT/CN2022/123136)
[87] (3193304)
[30] CN (202210275775.4) 2022-03-21

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[13] A1
[51] **Int.Cl. A61K 31/465 (2006.01) A61K 9/00 (2006.01) A61K 47/32 (2006.01) A61K 47/36 (2006.01) A61K 47/44 (2017.01) A61P 25/34 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR SUBLINGUAL DELIVERY OF NICOTINE**
[54] **COMPOSITIONS ET METHODES POUR L'ADMINISTRATION SUBLINGUALE DE NICOTINE**
[72] BUNKA, CHRISTOPHER ANDREW, CA
[72] DOCHERTY, JOHN, CA
[71] POVIVA CORP., US
[85] 2023-04-27
[86] 2023-03-20 (PCT/US2023/015626)
[87] (3196913)
[30] US (17/700,628) 2022-03-22
[30] US (17/700,646) 2022-03-22

[21] **3,203,028**
[13] A1
[51] **Int.Cl. G01J 5/02 (2022.01) G01J 5/04 (2006.01) G01J 5/06 (2022.01)**
[25] FR
[54] **METHOD FOR MANUFACTURING A DETECTION DEVICE COMPRISING AN ENCAPSULATING STRUCTURE COMPRISING AN OPAQUE THIN LAYER RESTING ON A PERIPHERAL MINERAL WALL**
[54] **PROCEDE DE FABRICATION D'UN DISPOSITIF DE DETECTION COMPORTANT UNE STRUCTURE D'ENCAPSULATION COMPORTANT UNE COUCHE MINCE OPAQUE REPOSANT SUR UNE PAROI PERIPHERIQUE MINERALE**
[72] YON, JEAN-JACQUES, FR
[72] DUMONT, GEOFFROY, FR
[72] PERRILLAT-BOTTONET, THOMAS, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2023-06-21
[86] 2021-12-30 (PCT/EP2021/087868)
[87] (WO2022/144427)
[30] FR (FR2100043) 2021-01-04

[21] **3,205,295**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 47/008 (2012.01) E21B 47/00 (2012.01) E21B 47/06 (2012.01) E21B 49/00 (2006.01)**
[25] EN
[54] **HYDRAULIC INTEGRITY ANALYSIS**
[54] **ANALYSE D'INTEGRITE HYDRAULIQUE**
[72] CRAMER, DAVID D., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2023-07-14
[86] 2022-01-18 (PCT/US2022/012776)
[87] (WO2022/155594)
[30] US (63/138,138) 2021-01-15
[30] US (17/577,848) 2022-01-18

[21] **3,205,366**
[13] A1
[51] **Int.Cl. G06V 40/16 (2022.01) G06F 16/58 (2019.01) G06F 16/583 (2019.01) G06V 20/30 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EXTRACTING HEADSHOTS FROM IMAGES**
[54] **SYSTEMES ET PROCEDES D'EXTRACTION DE PORTRAITS A PARTIR D'IMAGES**
[72] NEALAND, JAMES, US
[72] FIDLER, BLAIR, US
[71] PROMPTU SYSTEMS CORPORATION, US
[85] 2023-07-14
[86] 2022-01-18 (PCT/US2022/070243)
[87] (WO2022/155688)
[30] US (63/138,390) 2021-01-15
[30] US (63/138,445) 2021-01-16

[21] **3,210,052**
[13] A1
[25] EN
[54] **COHERENT RECEIVER HAVING LOW VOA-INDUCED PHASE CHANGES**
[54] **RECEPTEUR COHERENT COMPRENANT DE FAIBLES CHANGEMENTS DE PHASE INDUITS PAR ATTENUATEUR OPTIQUE VARIABLE**
[72] POULIN, MICHEL, CA
[72] BOIS, ANTOINE, CA
[72] LUK, TOM, CA
[72] PELLETIER, FRANCOIS, CA
[72] O'KEEFE, SEAN SEBASTIAN, CA
[71] CIENA CORPORATION, US
[85] 2023-08-24
[86] 2023-03-13 (PCT/US2023/015142)
[87] (3210052)
[30] US (17/696,948) 2022-03-17

[21] **3,211,244**
[13] A1
[51] **Int.Cl. C09J 107/02 (2006.01) C09J 109/08 (2006.01)**
[25] EN
[54] **PHLOROGLUCINOL ACETALDEHYDE RESINS, METHODS OF MAKING, AND USES IN RUBBER COMPOSITIONS**
[54] **RESINES D'ACETALDEHYDE DE PHLOROGLUCINOL, PROCEDES DE FABRICATION ET UTILISATIONS DANS DES COMPOSITIONS DE CAOUTCHOUC**
[72] ITAHASHI, TAMON, JP
[72] NOBUOKA, TOSHIHIRO, US
[72] WALKUP, MICHAEL C, US
[71] SUMITOMO CHEMICAL ADVANCED TECHNOLOGIES LLC, D.B.A. SUMIKA ELECTRONIC MATERIALS, US
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2023-09-07
[86] 2022-03-15 (PCT/US2022/020299)
[87] (WO2022/197649)
[30] US (63/160,996) 2021-03-15

[21] **3,211,714**
[13] A1
[51] **Int.Cl. A24F 40/51 (2020.01)**
[25] EN
[54] **AEROSOL PROVISION SYSTEM**
[54] **SYSTEME DE FOURNITURE D'AEROSOL**
[72] LEADLEY, DAVID, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2023-09-11
[86] 2022-03-30 (PCT/GB2022/050803)
[87] (WO2022/208087)
[30] GB (2104639.6) 2021-03-31

[21] **3,211,727**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **NOVEL PD-1 BINDING DOMAINS**
[54] **NOUVEAUX DOMAINES DE LIAISON A PD-1**
[72] PLYTE, SIMON EDWARD, NL
[72] MAYES, PATRICK, US
[72] NASTRI, HORACIO G., US
[72] STEWART, SHAUN M., US
[72] BUONPANE, REBECCA A., US
[71] MERUS N.V., NL
[71] INCYTE CORPORATION, US
[85] 2023-09-11
[86] 2022-03-31 (PCT/NL2022/050178)
[87] (WO2022/211629)
[30] NL (2027892) 2021-03-31

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[13] A1
[51] **Int.Cl. G06T 7/11 (2017.01) G06T 7/136 (2017.01) G06T 7/174 (2017.01) G06T 7/187 (2017.01) G06T 7/194 (2017.01) G06T 7/55 (2017.01) G06T 7/62 (2017.01) G06V 10/26 (2022.01) G06V 10/82 (2022.01) G06V 20/10 (2022.01) G06V 20/64 (2022.01) G06V 20/70 (2022.01)**
[25] EN
[54] **IMPROVED VISION-BASED MEASURING**
[54] **MESURE AMELIOREE BASEE SUR LA VISION**
[72] VERSTRAETE, MATTHIAS, BE
[72] VAN PARYS, RUBEN, BE
[72] RUSNAK, STANISLAV, BE
[72] WAEGEMAN, TIM, BE
[71] ROBOVISION, BE
[85] 2023-09-11
[86] 2022-03-15 (PCT/EP2022/056738)
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[13] A1
[51] **Int.Cl. G06V 20/64 (2022.01) G06T 7/187 (2017.01) G06T 7/194 (2017.01) G06T 7/55 (2017.01) G06V 10/26 (2022.01) G06V 10/82 (2022.01)**
[25] EN
[54] **IMPROVED ORIENTATION DETECTION BASED ON DEEP LEARNING**
[54] **DETECTION D'ORIENTATION AMELIOREE BASEE SUR UN APPRENTISSAGE PROFOND**
[72] VERGEYNST, LIDEWEI, BE
[72] VAN PARYS, RUBEN, BE
[72] WAGNER, ANDREW, BE
[72] WAEGEMAN, TIM, BE
[71] ROBOVISION, BE
[85] 2023-09-11
[86] 2022-03-15 (PCT/EP2022/056741)
[87] (WO2022/194887)
[30] EP (21163105.6) 2021-03-17

[21] **3,211,742**
[13] A1
[25] EN
[54] **USE OF SEPHB4-HSA FUSION PROTEIN AS A FIRST-LINE THERAPY IN CANCER TREATMENT**
[54] **UTILISATION D'UNE PROTEINE DE FUSION DE SEPHB4-HSA EN TANT QUE THERAPIE DE PREMIERE LIGNE DANS LE TRAITEMENT DU CANCER**
[72] KRASNOPEROV, VALERY, US
[71] KRASNOPEROV, VALERY, US
[85] 2023-09-11
[86] 2022-03-18 (PCT/US2022/020878)
[87] (WO2022/198001)
[30] US (63/162,691) 2021-03-18

[21] **3,211,744**
[13] A1
[25] EN
[54] **METHOD FOR GLYCOSYLATION PROFILING TO DESCRIBE FUNCTIONAL CHARACTERISTICS OF A BIOLOGIC MOLECULE**
[54] **PROCEDE DE DETERMINATION DU PROFIL DE GLYCOSYLATION POUR DECRIRE DES CARACTERISTIQUES FONCTIONNELLES D'UNE MOLECULE BIOLOGIQUE**
[72] MASTRANGELI, RENATO, IT
[72] SATWEKAR, ABHIJEET, IT
[71] ARES TRADING S.A., CH
[85] 2023-09-11
[86] 2022-03-21 (PCT/EP2022/057332)
[87] (WO2022/200262)
[30] EP (21165362.1) 2021-03-26

[21] **3,211,760**
[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01) C09D 167/06 (2006.01) C09D 201/08 (2006.01)**
[25] EN
[54] **MULTILAYER COATING SYSTEMS OBTAINED FROM BLOCK COPOLYMER CONTAINING TOPCOAT COMPOSITIONS**
[54] **SYSTEMES DE REVETEMENT MULTI-COUCHES OBTENUS A PARTIR D'UN COPOLYMERE SEQUENCE CONTENANT DES COMPOSITIONS DE COUCHE DE FINITION**
[72] BOKHART, ROSALVA CASTREJON, US
[72] ZHANG, QINGLING, US
[72] CAMPBELL, DONALD H., US
[72] FERRIS, DANIEL PATRICK, US
[72] MIYAKE, GARRET, US
[72] PEARSON, RYAN, US
[72] RYAN, MATTHEW, US
[72] WHITSON, LUKE, US
[72] HESS, ALEXANDER, US
[71] BASF COATINGS GMBH, DE
[71] COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, US
[71] CYPRIS MATERIALS, US
[85] 2023-09-11
[86] 2022-03-18 (PCT/EP2022/057111)
[87] (WO2022/195055)
[30] EP (21163607.1) 2021-03-19

[21] **3,212,043**
[13] A1
[25] EN
[54] **GENE THERAPY COMPOSITION AND TREATMENT OF RIGHT VENTRICULAR ARRHYTHMOGENIC CARDIOMYOPATHY**
[54] **COMPOSITION DE THERAPIE GENIQUE ET TRAITEMENT DE LA CARDIOMYOPATHIE ARYTHMOGENE VENTRICULAIRE DROITE**
[72] VOIT, THOMAS, GB
[72] DUMONCEAUX, JULIE, GB
[72] ELLIOTT, PERRY, GB
[72] MARIOT, VIRGINIE, GB
[71] UCL BUSINESS PLC, GB
[85] 2023-09-13
[86] 2022-03-18 (PCT/EP2022/057145)
[87] (WO2022/195074)
[30] US (63/163,393) 2021-03-19

[21] **3,212,047**
[13] A1
[25] EN
[54] **CO-REGENERATION RECALCITRANT PLANTS**
[54] **PLANTES RECALCITRANTES A CO-REGENERATION**
[72] STUURMAN, JEROEN, NL
[72] SHRESTHA, BIPNA RANI, NL
[72] HOFHUIS, HUGO FERDINAND, NL
[71] KEYGENE N.V., NL
[85] 2023-09-13
[86] 2022-04-15 (PCT/EP2022/060173)
[87] (WO2022/219181)
[30] EP (21168630.8) 2021-04-15

[21] **3,212,052**
[13] A1
[25] EN
[54] **CROSS FLOW HEAT TRANSFER APPARATUS**
[54] **APPAREIL DE TRANSFERT DE CHALEUR A CIRCULATION TRANSVERSALE**
[72] JOKELAINEN, JARKKO, FI
[72] YU, HUIYANG, FI
[72] LEGENDRE, DANIEL, FI
[71] KUORI OY, FI
[85] 2023-09-13
[86] 2022-03-17 (PCT/FI2022/050171)
[87] (WO2022/214734)
[30] FI (20217064) 2021-04-08

[21] **3,212,058**
[13] A1
[51] **Int.Cl. F16K 15/03 (2006.01)**
[25] EN
[54] **FLAP VALVE FOR DIAPHRAGM PUMP**
[54] **CLAPET A BATTANT POUR POMPE A MEMBRANE**
[72] BEASLEY, ROBERT, US
[72] MORRIS, BRENT, US
[72] ROCKWELL, JIM, US
[72] WAWROWSKI, JOHN, US
[71] WARREN RUPP, INC., US
[85] 2023-09-13
[86] 2022-03-25 (PCT/US2022/021937)
[87] (WO2022/204507)
[30] US (63/165,955) 2021-03-25

[21] **3,212,061**
[13] A1
[51] **Int.Cl. C11D 1/62 (2006.01)**
[25] EN
[54] **FABRIC CARE FORMULATION**
[54] **FORMULATION DE SOIN DES TISSUS**
[72] SIKARSKIE, MICHELLE, US
[72] PULUKKODY, RANDARA, US
[72] BAUER, PAULA, US
[72] LEAL, LYNDSAY M., US
[72] PARTAIN, EMMETT M., US
[72] MILLER, DANIEL S., US
[72] TODD, JENNIFER P., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] DOW SILICONES CORPORATION, US
[71] ROHM AND HAAS COMPANY, US
[85] 2023-09-13
[86] 2022-03-09 (PCT/US2022/019473)
[87] (WO2022/203868)
[30] US (63/164,610) 2021-03-23

[21] **3,212,071**
[13] A1
[51] **Int.Cl. C12Q 1/6858 (2018.01)**
[25] EN
[54] **METHODS AND USES FOR DETERMINING THE EFFICIENCY OF GENETIC-EDITING PROCEDURES**
[54] **PROCEDES ET UTILISATIONS POUR DETERMINER L'EFFICACITE DE PROCEDURES D'EDITION GENETIQUE**
[72] ASTOBIZA, LEIORE AJURIA, SE
[72] BERGMAN, JOOST, SE
[71] COUNTAGEN AB, SE
[85] 2023-09-13
[86] 2022-03-15 (PCT/EP2022/056740)
[87] (WO2022/194886)
[30] GB (2103543.1) 2021-03-15

[21] **3,212,084**
[13] A1
[51] **Int.Cl. A23L 5/20 (2016.01) C11B 3/04 (2006.01) C11B 3/16 (2006.01) C11C 1/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PRETREATING VEGETABLE OILS OR ANIMAL FATS INTENDED FOR PROCESSES OF TRANSFORMATION INTO BIOFUELS**
[54] **PROCEDE DE PRETRAITEMENT D'HUILES VEGETALES OU DE GRAISSES ANIMALES DESTINEES A DES PROCESSUS DE TRANSFORMATION EN BIOCARBURANTS**
[72] PASINI, THOMAS, IT
[72] BALDIRAGHI, FRANCO, IT
[71] ENI S.P.A., IT
[85] 2023-09-13
[86] 2022-04-06 (PCT/IB2022/053209)
[87] (WO2022/214993)
[30] IT (102021000008957) 2021-04-09

[21] **3,212,105**
[13] A1
[51] **Int.Cl. F16K 3/20 (2006.01)**
[25] EN
[54] **VALVE**
[54] **VANNE**
[72] WANG, JIAXIAN, CN
[72] LIU, NIANLEI, CN
[72] YANG, YI, CN
[71] DALIAN CONSERVATION SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2023-09-13
[86] 2021-05-01 (PCT/CN2021/091795)
[87] (WO2022/193417)
[30] CN (202110317221.1) 2021-03-18
[30] CN (202120600840.7) 2021-03-18

[21] **3,212,139**
[13] A1
[51] **Int.Cl. E06B 3/67 (2006.01) G02F 1/1345 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTOR WITH SHUNT FOR PRIVACY GLAZING STRUCTURE**
[54] **CONNECTEUR ELECTRIQUE AVEC DERIVATION POUR STRUCTURE DE VITRAGE PRIVE**
[72] BERNER, ERIC, US
[72] FRANZ, ZACHARY, US
[71] CARDINAL IG COMPANY, US
[85] 2023-09-14
[86] 2022-03-17 (PCT/US2022/020837)
[87] (WO2022/197985)
[30] US (63/162,058) 2021-03-17

[21] **3,212,141**
[13] A1
[25] EN
[54] **VASCULAR ARTERIOVENOUS GRAFT**
[54] **GREFFE ARTERIOVEINEUSE VASCULAIRE**
[72] GAGE, SHAWN M., US
[72] NICHOLS, CRAIG, US
[72] KNIGHT, JOSEPH, US
[72] CHIOSONNE, JUAN, US
[72] LAWSON, PETER, US
[72] BUSCH, SAMANTHA, US
[72] WALSH, BRIAN, US
[71] INNAVASC MEDICAL, INC., US
[85] 2023-09-14
[86] 2021-12-30 (PCT/US2021/065761)
[87] (WO2022/203739)
[30] US (63/166,790) 2021-03-26
[30] US (63/166,794) 2021-03-26

[21] **3,212,148**
[13] A1
[51] **Int.Cl. C02F 1/461 (2006.01) A62D 3/11 (2007.01) B01J 19/08 (2006.01) C02F 1/46 (2006.01) C02F 1/72 (2006.01)**
[25] EN
[54] **APPARATUS FOR ELECTROCHEMICAL REGENERATIVE TREATMENT OF WATER AND METHODS OF USE**
[54] **APPAREIL DE TRAITEMENT DES EAUX PAR REGENERATION ELECTROCHIMIQUE ET PROCEDES D'UTILISATION**
[72] CATALDO-HERNANDEZ, MACARENA A., CA
[71] VIRIDIS RESEARCH INC., CA
[85] 2023-09-14
[86] 2022-03-14 (PCT/CA2022/050375)
[87] (WO2022/192997)
[30] US (63/161,271) 2021-03-15
[30] US (63/161,278) 2021-03-15

[21] **3,212,150**
[13] A1
[25] EN
[54] **OSTOMY FILTER**
[54] **FILTRE DE STOMIE**
[72] CZAPLEWSKI, GREGORY J., US
[72] KUMAR, KANAV, US
[71] HOLLISTER INCORPORATED, US
[85] 2023-09-14
[86] 2022-03-08 (PCT/US2022/019356)
[87] (WO2022/197488)
[30] US (63/162,928) 2021-03-18

[21] **3,212,155**
[13] A1
[51] **Int.Cl. C10G 31/06 (2006.01)**
[25] EN
[54] **MESOPHASE PITCH COMPOSITIONS FROM AROMATIC FEEDSTOCKS, METHODS OF MAKING THE SAME, AND USES THEREOF**
[54] **COMPOSITIONS DE BRAI MESOPHASE A PARTIR DE CHARGES D'ALIMENTATION AROMATIQUES, LEURS PROCEDES DE FABRICATION ET LEURS UTILISATIONS**
[72] YU, RENYUAN, US
[72] ALTINTAS, OZCAN, US
[72] MENNITO, ANTHONY S., US
[72] DAKKA, JIHAD M., US
[72] XU, TENG, US
[72] LIU, YIFEI, US
[72] FERRUGHELLI, DAVID T., US
[72] CONTELLO, GIOVANNI S., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2023-09-14
[86] 2022-03-08 (PCT/US2022/019225)
[87] (WO2022/211986)
[30] US (63/167,319) 2021-03-29

[21] **3,212,160**
[13] A1
[51] **Int.Cl. A61P 25/22 (2006.01)**
[25] EN
[54] **TASIPIMIDINE FORMULATIONS AND USE THEREOF**
[54] **FORMULATIONS DE TASIPIMIDINE ET LEUR UTILISATION**
[72] KUJALA, JOHANNA, FI
[72] LEHTISALO, JENNI, FI
[72] SALMIA, JUKKA, FI
[72] SINERVO, KAI, FI
[71] ORION CORPORATION, FI
[85] 2023-09-14
[86] 2022-03-18 (PCT/FI2022/050177)
[87] (WO2022/195174)
[30] FI (20215311) 2021-03-19

[21] **3,212,174**
[13] A1
[25] EN
[54] **SLIDING CABLE SAFETY DEVICE FOR GENERATING AN ALARM SIGNAL**
[54] **DISPOSITIF DE SECURITE A CABLE COULISSANT POUR GENERER UN SIGNAL D'ALARME**
[72] GAMBA, DAVIDE, IT
[71] GAMBA, DAVIDE, IT
[85] 2023-09-14
[86] 2022-03-13 (PCT/IT2022/050053)
[87] (WO2022/195638)
[30] IT (102021000006071) 2021-03-15

[21] **3,212,175**
[13] A1
[51] **Int.Cl. A24D 3/04 (2006.01)**
[25] EN
[54] **A COMPONENT FOR AN ARTICLE FOR USE IN AN AEROSOL PROVISION SYSTEM**
[54] **ELEMENT POUR UN ARTICLE DESTINE A ETRE UTILISE DANS UN SYSTEME DE FOURNITURE D'AEROSOL**
[72] GRISHCHENKO, ANDREI, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2023-09-14
[86] 2022-03-15 (PCT/GB2022/050660)
[87] (WO2022/195271)
[30] GB (2103577.9) 2021-03-15

[21] **3,212,179**
[13] A1
[51] **Int.Cl. G06F 40/174 (2020.01) G06F 40/186 (2020.01)**
[25] EN
[54] **COMPUTER SYSTEM AND METHOD FOR PROCESSING DIGITAL FORMS**
[54] **SYSTEME INFORMATIQUE ET PROCEDE DE TRAITEMENT DE FORMULAIRES NUMERIQUES**
[72] MCARTHUR, SUSAN JANE, CA
[72] STETLER, ANNIGJE MARTHA, CA
[72] REFORD, JACK SELKIRK MCARTHUR, CA
[72] TRENHOLM, WALLACE, CA
[71] LOCKDOCS INC., CA
[85] 2023-09-14
[86] 2022-03-18 (PCT/CA2022/050412)
[87] (WO2022/193027)
[30] US (63/163,313) 2021-03-19

[21] **3,212,180**
[13] A1
[51] **Int.Cl. B01D 53/75 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM OF ADDING FEED MEDIUM INTO BIOPROCESS**
[54] **PROCEDE ET SYSTEME D'AJOUT DE MILIEU D'ALIMENTATION DANS UN BIOPROCEDE**
[72] TERVASMAKI, PETRI, FI
[71] SOLAR FOODS OY, FI
[85] 2023-09-14
[86] 2022-04-26 (PCT/FI2022/050271)
[87] (WO2022/229508)
[30] FI (20215486) 2021-04-27

[21] **3,212,187**
[13] A1
[51] **Int.Cl. C07K 14/44 (2006.01) C12N 9/20 (2006.01) C12N 9/28 (2006.01)**
[25] EN
[54] **PURIFICATION OF PROTEINS**
[54] **PURIFICATION DE PROTEINES**
[72] HARTMANN, MARCUS WOLF WILLIAM, DE
[72] ALDAG, INGO, DE
[72] ROSSDORF, JAN, DE
[72] UTHOFF, STEFAN, DE
[72] SCHUMACHER, FLORIAN, DE
[71] CILIAN AG, DE
[85] 2023-09-14
[86] 2022-04-11 (PCT/EP2022/059587)
[87] (WO2022/214705)
[30] EP (21167712.5) 2021-04-09

[21] **3,212,188**
[13] A1
[51] **Int.Cl. C07D 409/10 (2006.01) A61K 31/4178 (2006.01) A61P 13/02 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **SELECTIVE ANGIOTENSIN II RECEPTOR LIGANDS**
[54] **LIGANDS SELECTIFS DU RECEPTEUR DE L'ANGIOTENSINE II**
[72] FEX, TOMAS, SE
[72] OHLSSON, BENGT, SE
[72] HALLBERG, ANDERS, SE
[72] LARHED, MATS, SE
[71] VICORE PHARMA AB, SE
[85] 2023-09-14
[86] 2022-03-23 (PCT/GB2022/050727)
[87] (WO2022/200787)
[30] GB (2104033.2) 2021-03-23

[21] **3,212,189**
[13] A1
[25] EN
[54] **DEVICE FOR TREATING ANAPHYLAXIS**
[54] **DISPOSITIF DE TRAITEMENT DE L'ANAPHYLAXIE**
[72] LUCIUK, GEORGE HARRY, CA
[72] MARTIN, ANDREW ROBERT, CA
[72] RUZYCKI, CONOR AIDAN, CA
[72] FINLAY, WARREN HUGH, CA
[71] 1232176 B.C. LTD., CA
[85] 2023-09-14
[86] 2022-03-23 (PCT/US2022/021612)
[87] (WO2022/204328)
[30] US (63/165,102) 2021-03-23

[21] **3,212,192**
[13] A1
[51] **Int.Cl. A61M 25/10 (2013.01) A63B 23/20 (2006.01)**
[25] FR
[54] **SYSTEM FOR PREPARING THE GENITAL TRACT OF A WOMAN PRIOR TO CHILDBIRTH**
[54] **SYSTEME POUR LA PREPARATION DES VOIES GENITALES D'UNE FEMME AVANT UN ACCOUCHEMENT**
[72] ZUBER, THOMAS, FR
[72] MELLERIO, GONZAGUE, FR
[71] MUMMING, FR
[85] 2023-09-14
[86] 2022-04-06 (PCT/FR2022/050642)
[87] (WO2022/214767)
[30] FR (FR2103560) 2021-04-07

[21] **3,212,193**
[13] A1
[51] **Int.Cl. C07C 233/23 (2006.01) A61P 25/28 (2006.01) C07C 233/60 (2006.01) C07C 235/40 (2006.01) C07C 323/60 (2006.01)**
[25] EN
[54] **CYCLOPROPANE ANALOGUES OF N-(TRANS-4-HYDROXYCYCLOHEXYL)-6-PHENYLHEXANAMIDE AND RELATED COMPOUNDS**
[54] **ANALOGUES DE CYCLOPROPANE DE N-(TRANS-4-HYDROXYCYCLOHEXYL)-6-PHENYLHEXANAMIDE ET COMPOSES APPARENTES**
[72] DORN, GERALD W., US
[71] MITOCHONDRIA EMOTION, INC., US
[85] 2023-09-14
[86] 2022-03-21 (PCT/US2022/021210)
[87] (WO2022/198139)
[30] US (63/163,392) 2021-03-19

[21] **3,212,195**
[13] A1
[51] **Int.Cl. A61P 9/12 (2006.01)**
[25] EN
[54] **PULMONARY ARTERIAL HYPERTENSION PATIENT SELECTION METHOD AND BIOMARKER**
[54] **PROCEDE DE SELECTION DE PATIENT SOUFFRANT D'HYPERTENSION ARTERIELLE PULMONAIRE ET BIOMARQUEUR**
[72] TAMURA, YUICHI, JP
[71] CHUGAI SEIYAKU KABUSHIKI-KAISHA, JP
[71] INTERNATIONAL UNIVERSITY OF HEALTH AND WELFARE, JP
[85] 2023-09-14
[86] 2022-03-24 (PCT/JP2022/013767)
[87] (WO2022/202950)
[30] JP (2021-051574) 2021-03-25

[21] **3,212,199**
[13] A1
[51] **Int.Cl. B03D 1/00 (2006.01) D01G 5/00 (2006.01) D01G 11/00 (2006.01) G01N 21/00 (2006.01) G01N 21/17 (2006.01) G01N 33/36 (2006.01)**
[25] EN
[54] **MEASURING DEVICE AND METHOD**
[54] **PROCEDE ET DISPOSITIF DE MESURE**
[72] JOENSUU, ISMO, FI
[72] HATTUNIEMI, JONI, FI
[72] HAAPALAINEN, MIKKO, FI
[71] VALMET AUTOMATION OY, FI
[85] 2023-09-14
[86] 2022-03-16 (PCT/FI2022/050169)
[87] (WO2022/195168)
[30] FI (20215294) 2021-03-18

[21] **3,212,202**
[13] A1
[51] **Int.Cl. A23K 10/16 (2016.01)**
[25] EN
[54] **METHODS AND SYSTEMS OF PRODUCING NUTRITIONAL SUPPLEMENT FROM MICROBIAL CELLS**
[54] **PROCEDES ET SYSTEMES DE PRODUCTION D'UN COMPLEMENT NUTRITIONNEL A PARTIR DE CELLULES MICROBIENNES**
[72] ERCILI-CURA, DILEK, FI
[72] PITKANEN, JUHA-PEKKA, FI
[71] SOLAR FOODS OY, FI
[85] 2023-09-14
[86] 2022-04-07 (PCT/FI2022/050228)
[87] (WO2022/229503)
[30] FI (20215488) 2021-04-27

[21] **3,212,211**
[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 90/50 (2016.01) A61B 90/57 (2016.01) A61B 90/90 (2016.01) A61B 90/98 (2016.01)**
[25] EN
[54] **CO-MANIPULATION SURGICAL SYSTEM FOR USE WITH SURGICAL INSTRUMENTS FOR PERFORMING LAPAROSCOPIC SURGERY**
[54] **SYSTEME CHIRURGICAL DE CO-MANIPULATION DESTINE A ETRE UTILISE AVEC DES INSTRUMENTS CHIRURGICAUX POUR EFFECTUER UNE CHIRURGIE LAPAROSCOPIQUE**
[72] NOONAN, DAVID PAUL, US
[72] ALVAREZ, JEFFERY BYRON, US
[72] LINARD, NICOLAS, FR
[72] BASAFA, EHSAN, US
[72] UMMALANENI, RITWIK, US
[72] FAYAD, JAD, FR
[72] WU, VICTORIA CHENG-TAN, US
[72] TANNER, NEAL, US
[71] MOON SURGICAL SAS, FR
[85] 2023-09-14
[86] 2022-03-30 (PCT/IB2022/052989)
[87] (WO2022/208414)
[30] EP (21305417.4) 2021-03-31
[30] EP (21305929.8) 2021-07-05
[30] EP (21306904.0) 2021-12-22
[30] EP (21306905.7) 2021-12-22

[21] **3,212,213**
[13] A1
[51] **Int.Cl. A61L 2/232 (2006.01) A61L 31/10 (2006.01)**
[25] EN
[54] **ANTIVIRAL AND ANTIMICROBIAL COATINGS AND METHODS THEREOF**
[54] **REVETEMENTS ANTIVIRAUX ET ANTIMICROBIENS ET PROCEDES ASSOCIES**
[72] BRITTON, BENJAMIN, CA
[72] BRITTON, HEIDI M., CA
[72] GHOLAMKHASS, BOBAK, CA
[72] PECKHAM, TIMOTHY J., CA
[71] IONOMR INNOVATIONS, INC., CA
[85] 2023-09-14
[86] 2022-03-21 (PCT/CA2022/050417)
[87] (WO2022/193030)
[30] US (63/163,605) 2021-03-19

[21] **3,212,214**
[13] A1
[51] **Int.Cl. A61G 5/14 (2006.01) A63B 21/068 (2006.01) A63B 22/20 (2006.01)**
[25] EN
[54] **ASSISTIVE MOVEMENT TRAINING APPARATUS FOR THE DISABLED**
[54] **APPAREIL FONCTIONNEL D'ENTRAINEMENT A LA REALISATION D'UN MOUVEMENT POUR PERSONNES HANDICAPEES**
[72] BLOMBERG, FREDRIK GARDSTEIG, NO
[72] TUVA-STENSLAND, CHRISTIAN, NO
[72] LINDAAS, ANDRE, NO
[71] MADE FOR MOVEMENT GROUP AS, NO
[85] 2023-09-14
[86] 2022-03-22 (PCT/EP2022/057394)
[87] (WO2022/200296)
[30] EP (21163978.6) 2021-03-22

[21] **3,212,216**
[13] A1
[51] **Int.Cl. G01C 21/30 (2006.01) G06T 15/04 (2011.01) G06T 17/05 (2011.01)**
[25] EN
[54] **COMPUTER VISION SYSTEMS AND METHODS FOR GENERATING BUILDING MODELS USING THREE-DIMENSIONAL SENSING AND AUGMENTED REALITY TECHNIQUES**
[54] **SYSTEMES DE VISION ARTIFICIELLE ET PROCEDES DE GENERATION DE MODELES DE CONSTRUCTION A L'AIDE DE TECHNIQUES DE DETECTION TRIDIMENSIONNELLE ET DE REALITE AUGMENTEE**
[72] LEWIS, JEFFERY D., US
[72] REED, COREY D., US
[72] LAWRENCE, LOGAN, US
[72] O'VERY, BRANDON, US
[71] INSURANCE SERVICES OFFICE, INC., US
[85] 2023-09-14
[86] 2022-03-25 (PCT/US2022/022024)
[87] (WO2022/204559)
[30] US (63/165,972) 2021-03-25

[21] **3,212,217**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **AI-ACCELERATED CHARACTERIZATION OF MATERIALS**
[54] **CARACTERISATION DE MATERIAUX ACCELEREE PAR INTELLIGENCE ARTIFICIELLE**
[72] IVANKIN, ANDREY, US
[72] SWISHER, JORDAN H., US
[72] ASHLEY, MICHAEL J., US
[71] STOICHEIA, INC., US
[85] 2023-09-14
[86] 2022-04-05 (PCT/US2022/023416)
[87] (WO2022/216661)
[30] US (63/171,038) 2021-04-05

[21] **3,212,218**
[13] A1
[25] EN
[54] **IDENTIFICATION AND QUANTITATION OF INSULIN-LIKE GROWTH FACTOR-I VARIANTS BY MASS SPECTROMETRY**
[54] **IDENTIFICATION ET QUANTIFICATION DE VARIANTS DU FACTEUR DE CROISSANCE I ANALOGUE A L'INSULINE PAR SPECTROMETRIE DE MASSE**
[72] MOTORYKIN, IEVGEN, US
[72] CLARKE, NIGEL, US
[72] MCPHAUL, MICHAEL J., US
[72] WU, ZENGRU, US
[71] QUEST DIAGNOSTICS INVESTMENTS LLC, US
[85] 2023-09-14
[86] 2022-03-18 (PCT/US2022/020906)
[87] (WO2022/198020)
[30] US (63/163,502) 2021-03-19

[21] **3,212,220**
[13] A1
[51] **Int.Cl. A61B 18/02 (2006.01)**
[25] EN
[54] **VASCULAR ABLATION**
[54] **ABLATION VASCULAIRE**
[72] ANDERSON, EDWARD, US
[72] TSCHIDA, ADAM, US
[72] HATCHER, BRADY, US
[72] BEYREIS, RANDY, US
[72] NELSON, SCOTT, US
[72] SUN, JICHAO, US
[72] ORTEGA, LAURA, US
[72] DUERR, JOE, US
[72] PAULING, AE-SUK, US
[72] DEAN, DANNAH, US
[72] KRONE, DOUG, US
[71] CROSSFIRE MEDICAL INC., US
[85] 2023-09-14
[86] 2022-03-18 (PCT/US2022/020935)
[87] (WO2022/198039)
[30] US (63/163,728) 2021-03-19
[30] US (63/270,547) 2021-10-21
[30] US (17/697,739) 2022-03-17
[30] US (63/255,385) 2021-10-13

[21] **3,212,222**
[13] A1
[51] **Int.Cl. G01V 1/30 (2006.01) G01V 1/50 (2006.01)**
[25] EN
[54] **METHOD TO AUTOMATICALLY PICK FORMATION TOPS USING OPTIMIZATION ALGORITHM**
[54] **PROCEDE DE DETECTION AUTOMATIQUE DE SOMMETS DE FORMATION A L'AIDE D'UN ALGORITHME D'OPTIMISATION**
[72] AL ISMAIL, MARWAH, SA
[72] MEZGHANI, MOKHLES M., SA
[72] AL-MASRAHY, MOHAMMED ALI, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2023-09-14
[86] 2022-03-16 (PCT/US2022/020616)
[87] (WO2022/197846)
[30] US (17/203,621) 2021-03-16

[21] **3,212,224**
[13] A1
[51] **Int.Cl. H02H 3/08 (2006.01) H02H 7/00 (2006.01)**
[25] EN
[54] **SOLID-STATE CIRCUIT BREAKER CONFIGURED TO DISCHARGE AND DISSIPATE RECOVERY VOLTAGE**
[54] **DISJONCTEUR A SEMICONDUCTEUR CONFIGURE POUR DECHARGER ET DISSIPER UNE TENSION DE RETABLISSEMENT**
[72] YANG, GUANG, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2023-09-14
[86] 2022-03-24 (PCT/US2022/021627)
[87] (WO2022/231735)
[30] US (17/227,865) 2021-04-28

[21] **3,212,226**
[13] A1
[25] EN
[54] **METHODS FOR PRODUCING CELL GROWTH MEDIUM**
[54] **PROCEDES DE PRODUCTION DE MILIEU DE CROISSANCE CELLULAIRE**
[72] ERCILI-CURA, DILEK, FI
[72] VAINIKKA, PASI, FI
[72] PITKANEN, JUHA-PEKKA, FI
[72] RONNING, SISSEL, NO
[72] WUBSHET, SILESHI, NO
[72] SOLBERG, NINA, NO
[72] OVERBY, LENE, NO
[72] DANKEL, KATINKA, NO
[71] SOLAR FOODS OY, FI
[85] 2023-09-14
[86] 2022-04-22 (PCT/FI2022/050264)
[87] (WO2022/229507)
[30] FI (20215493) 2021-04-28

[21] **3,212,228**
[13] A1
[51] **Int.Cl. C08F 110/02 (2006.01) C08F 110/06 (2006.01) B01J 21/10 (2006.01)**
[25] EN
[54] **SPHERICAL CATALYST COMPONENTS FOR OLEFIN POLYMERIZATION**
[54] **CONSTITUANTS CATALYTIQUES SPHERIQUES DESTINES A LA POLYMERISATION D'OLEFINES**
[72] MARIN, VLADIMIR P., US
[72] HINTOLAY, AHMED, US
[71] W.R. GRACE & CO.-CONN., US
[85] 2023-09-14
[86] 2022-03-08 (PCT/US2022/019384)
[87] (WO2022/197491)
[30] US (63/161,612) 2021-03-16

[21] **3,212,232**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61K 8/98 (2006.01) A61K 8/99 (2017.01) A61P 17/02 (2006.01)**
[25] EN
[54] **TREATMENT OF SKIN SCARS**
[54] **TRAITEMENT DE CICATRICES CUTANEES**
[72] MILDNER, MICHAEL, AT
[72] ANKERSMIT, HENDRIK JAN, AT
[71] APOSCIENCE AG, AT
[85] 2023-09-14
[86] 2022-04-13 (PCT/EP2022/059936)
[87] (WO2022/219073)
[30] EP (21168183.8) 2021-04-13

[21] **3,212,233**
[13] A1
[51] **Int.Cl. A63F 13/26 (2014.01) A63F 13/211 (2014.01) A63F 13/235 (2014.01) A63F 13/24 (2014.01) A63F 13/92 (2014.01)**
[25] EN
[54] **MOBILE HANDHELD GAMING CONTROLLER**
[54] **DISPOSITIF DE COMMANDE DE JEU PORTATIF MOBILE**
[72] CHRISTENSEN, ASBJORN HOJ, DK
[72] LARSEN, MARIUS HELMER, DK
[71] UDU APS, DK
[85] 2023-09-14
[86] 2022-03-15 (PCT/EP2022/056662)
[87] (WO2022/194848)
[30] EP (EP21162884) 2021-03-16

[21] **3,212,235**
[13] A1
[25] EN
[54] **LOCKING CAP ASSEMBLY**
[54] **ENSEMBLE CAPUCHON DE VERROUILLAGE**
[72] ABAL, DANIEL M., US
[72] BURGESS, BRENDAN JOHN, US
[72] SUBRAMANIAN, RAMKUMAR, US
[71] CAREFUSION 303, INC., US
[85] 2023-09-14
[86] 2022-03-17 (PCT/US2022/020812)
[87] (WO2022/197966)
[30] US (63/162,482) 2021-03-17

[21] **3,212,236**
[13] A1
[51] **Int.Cl. A61K 31/4545 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) C07D 401/06 (2006.01) C07D 401/14 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOUNDS AS INHIBITORS OF UBIQUITIN SPECIFIC PROTEASE 19 (USP19)**
[54] **COMPOSES PHARMACEUTIQUES UTILES EN TANT QU'INHIBITEURS DE LA PROTEASE SPECIFIQUE DE L'UBIQUITINE 19 (USP19)**
[72] ROUNTREE, JAMES SAMUEL SHANE, GB
[72] WHITEHEAD, STEVEN KRISTOPHER, GB
[72] SHEPHERD, STEVEN DAVID, GB
[72] HELM, MATTHEW DUNCAN, GB
[72] BURKAMP, FRANK, GB
[72] O'DOWD, COLIN, GB
[72] HARRISON, TIMOTHY, GB
[71] ALMAC DISCOVERY LIMITED, GB
[85] 2023-09-14
[86] 2022-03-24 (PCT/EP2022/057820)
[87] (WO2022/200523)
[30] GB (2104097.7) 2021-03-24

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 38/46 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12N 15/87 (2006.01) C12N 15/90 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **GUIDE RNAS AND COMPOSITIONS FOR EDITING HUNTINGTIN GENE, AND METHODS RELATED THERETO**
[54] **ARN GUIDES ET COMPOSITIONS POUR L'EDITION DU GENE DE LA HUNTINGTINE, ET METHODES ASSOCIEES**
[72] LEAVITT, BLAIR, CA
[72] HILL, AUSTIN, CA
[72] WAGNER, PAMELA, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[71] INCISIVE GENETICS, INC., CA
[85] 2023-09-14
[86] 2022-03-18 (PCT/IB2022/052491)
[87] (WO2022/195553)
[30] US (63/163,692) 2021-03-19
[30] US (63/164,404) 2021-03-22

[21] **3,212,238**
[13] A1
[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING A FERTILIZER RECOMMENDATION AND A MEASUREMENT REGION AND LOCATION**
[54] **PROCEDE ET SYSTEME POUR FOURNIR UNE RECOMMANDATION D'ENGRAIS ET UNE REGION ET UN EMPLACEMENT DE MESURE**
[72] REUSCH, STEFAN, DE
[71] YARA INTERNATIONAL ASA, NO
[85] 2023-09-14
[86] 2022-03-14 (PCT/EP2022/056462)
[87] (WO2022/194741)
[30] EP (21162510.8) 2021-03-15

[21] **3,212,239**
[13] A1
[25] EN
[54] **VEHICLE DRIVE TRAIN CONTROL INTERFACE**
[54] **INTERFACE DE COMMANDE DE TRANSMISSION DE VEHICULE**
[72] HARRIS, RICHARD W., US
[71] GHSP, INC., US
[85] 2023-09-14
[86] 2022-03-21 (PCT/IB2022/052567)
[87] (WO2022/208228)
[30] US (63/167,990) 2021-03-30

[21] **3,212,240**
[13] A1
[51] **Int.Cl. E21B 17/01 (2006.01) B63B 21/50 (2006.01) B63B 22/02 (2006.01) E21B 17/08 (2006.01) E21B 43/01 (2006.01) E21B 43/013 (2006.01)**
[25] EN
[54] **FLUID INJECTION SYSTEM AND RELATED METHODS**
[54] **SYSTEME D'INJECTION DE FLUIDE ET PROCEDES ASSOCIES**
[72] BRATTEBO, STALE, NO
[72] HAUKELIDSÆTER EIDESEN, BJORGULF, NO
[71] HORISONT ENERGI AS, NO
[85] 2023-09-14
[86] 2022-03-29 (PCT/EP2022/058326)
[87] (WO2022/207666)
[30] EP (21165680.6) 2021-03-29

[21] **3,212,244**
[13] A1
[25] FR
[54] **TYRE**
[54] **PNEUMATIQUE**
[72] COSTE, NATHALIE, FR
[72] DAYET, PATRICK, FR
[72] HEBERT, STEPHANE, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2023-09-14
[86] 2022-04-11 (PCT/FR2022/050685)
[87] (WO2022/223903)
[30] FR (FR2104232) 2021-04-23

[21] **3,212,245**
[13] A1
[51] **Int.Cl. B25B 27/10 (2006.01) H01R 43/048 (2006.01)**
[25] EN
[54] **PRESS JAW, DRIVE PRESS JAW, PRESS INSERT AND SYSTEM FOR PRESSING FITTINGS WITH PIPES**
[54] **MACHOIRE DE SERRAGE, MACHOIRE DE SERRAGE PRIMAIRE, INSERT DE SERRAGE ET SYSTEME POUR SERRER DES RACCORDS SUR DES TUBES**
[72] ROSENTHAL, JORG, DE
[71] VIEGA TECHNOLOGY GMBH & CO. KG, DE
[85] 2023-09-14
[86] 2022-03-14 (PCT/EP2022/056505)
[87] (WO2022/194761)
[30] EP (21163134.6) 2021-03-17

[21] **3,212,246**
[13] A1
[51] **Int.Cl. A41D 13/11 (2006.01)**
[25] EN
[54] **MASK WITH ANTI-FOGGING CONSTRUCTION**
[54] **MASQUE AVEC CONSTRUCTION ANTIBUEE**
[72] ADKINS, MICHAEL, US
[72] DAVIDSON, PHILIP A., US
[72] JOHNSON, MYKELL, US
[72] PETERSON, SPENCER, US
[71] AETHER MASK, LLC, US
[85] 2023-09-14
[86] 2022-03-18 (PCT/US2022/021038)
[87] (WO2022/198103)
[30] US (63/163,665) 2021-03-19

[21] **3,212,248**
[13] A1
[25] EN
[54] **IMPROVED METHODS OF TREATING DISEASES RESULTING FROM A MALADAPTED STRESS RESPONSE**
[54] **METHODES AMELIOREES DE TRAITEMENT DE MALADIES DUES A UNE REPONSE AU STRESS INADAPTEE**
[72] PEREIRA, GERARD, US
[71] CORTENE INC., US
[85] 2023-09-14
[86] 2022-03-17 (PCT/US2022/071209)
[87] (WO2022/198230)
[30] US (63/200,609) 2021-03-17

[21] **3,212,249**
[13] A1
[51] **Int.Cl. C08G 65/40 (2006.01) B01J 41/13 (2017.01) B01D 71/80 (2006.01) C07D 211/22 (2006.01) C08G 75/23 (2006.01) C08J 5/22 (2006.01)**
[25] EN
[54] **LONG-TERM ANION-CONDUCTING COMPOUND, ITS PREPARATION AND ITS USE IN ELECTROCHEMISTRY**
[54] **COMPOSE CONDUCTEUR D?ANIONS A LONG TERME, SA PREPARATION ET SON UTILISATION EN ELECTROCHIMIE**
[72] MALJUSCH, ARTJOM, DE
[72] CONRADI, OLIVER, DE
[72] ROGL, HARALD, AT
[71] EVONIK OPERATIONS GMBH, DE
[85] 2023-09-14
[86] 2022-03-08 (PCT/EP2022/055824)
[87] (WO2022/194605)
[30] EP (21162711.2) 2021-03-16

[21] **3,212,251**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2023.01) G06Q 10/08 (2023.01) G06Q 20/32 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INVENTORY MANAGEMENT**
[54] **SYSTEMES ET PROCEDES DE GESTION D'INVENTAIRE**
[72] KIM, SUNG H., US
[72] HEENEY, CHRISTOPHER R., US
[72] JAGATAP, NITHYA, US
[72] MAGNUSSON, RYAN S., US
[72] BEASLEY, CHRISTIAN N., US
[72] EASTERLING, BRANDON J., US
[72] LAFFERTY, KATHERINE M., US
[71] WALMART APOLLO, LLC, US
[85] 2023-09-14
[86] 2022-03-14 (PCT/US2022/020164)
[87] (WO2022/197598)
[30] US (63/161,260) 2021-03-15

[21] **3,212,252**
[13] A1
[51] **Int.Cl. G01N 33/497 (2006.01)**
[25] EN
[54] **VOLATILE BIOMARKERS FOR COLORECTAL CANCER**
[54] **BIOMARQUEURS VOLATILS POUR LE CANCER COLORECTAL**
[72] HANNA, GEORGE, GB
[72] WOODFIELD, GEORGIA, GB
[72] BELLUOMO, ILARIA, GB
[71] IMPERIAL COLLEGE INNOVATIONS LIMITED, GB
[85] 2023-09-14
[86] 2022-03-21 (PCT/GB2022/050701)
[87] (WO2022/200771)
[30] GB (2103951.6) 2021-03-22

[21] **3,212,253**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/444 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM OF HETEROCYCLIC COMPOUND AS PROTEIN KINASE INHIBITOR**
[54] **FORME CRISTALLINE D'UN COMPOSE HETEROCYCLIQUE EN TANT QU'INHIBITEUR DE PROTEINE KINASE**
[72] KIM, YOUNG JU, KR
[72] KIM, JUN, KR
[72] KIM, HANNA, KR
[72] KWEON, JAE HONG, KR
[72] LEE, YE-LIM, KR
[72] HWANG, DO SEOK, KR
[71] HK INNO.N CORPORATION, KR
[85] 2023-09-14
[86] 2022-03-16 (PCT/KR2022/003703)
[87] (WO2022/197104)
[30] KR (10-2021-0034296) 2021-03-16

[21] **3,212,254**
[13] A1
[51] **Int.Cl. H02H 3/30 (2006.01) H02J 3/06 (2006.01)**
[25] EN
[54] **METHODS FOR AUTOMATIC RANGING OF DIGITAL ELECTRICITY OPERATION**
[54] **PROCEDES DE TELEMETRIE AUTOMATIQUE D'UNE OPERATION D'ELECTRICITE NUMERIQUE**
[72] CASEY, JONATHAN, US
[71] VOLTSERVER, INC., US
[85] 2023-09-14
[86] 2022-03-26 (PCT/US2022/022069)
[87] (WO2022/204582)
[30] US (63/166,651) 2021-03-26

[21] **3,212,256**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/444 (2006.01)**
[25] EN
[54] **NOVEL SALTS OF HETEROCYCLIC COMPOUND AS PROTEIN KINASE INHIBITOR AND USES THEREOF**
[54] **NOUVEAUX SELS DE COMPOSE HETEROCYCLIQUE EN TANT QU'INHIBITEUR DE PROTEINE KINASE ET UTILISATIONS ASSOCIEES**
[72] LEE, JUHYUN, KR
[72] KIM, YOUNG JU, KR
[72] KIM, JUN, KR
[72] KIM, HANNA, KR
[72] CHOI, JONG RYOUL, KR
[72] KWEON, JAE HONG, KR
[72] KIM, DONGKYU, KR
[72] BYEON, YEJI, KR
[72] SHIN, HYUNWOO, KR
[72] YOON, DASEUL, KR
[72] LEE, YE-LIM, KR
[72] JUNG, SEUNG HEE, KR
[72] HWANG, DO SEOK, KR
[71] HK INNO.N CORPORATION, KR
[85] 2023-09-14
[86] 2022-03-16 (PCT/KR2022/003702)
[87] (WO2022/197103)
[30] KR (10-2021-0034296) 2021-03-16
[30] KR (10-2021-0048814) 2021-04-14

[21] **3,212,258**
[13] A1
[51] **Int.Cl. G16H 30/40 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF PROCESSING ELECTRONIC IMAGES WITH FLEXIBLE ALGORITHMIC PROCESSING**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'IMAGES ELECTRONIQUES AU MOYEN D'UN TRAITEMENT ALGORITHMIQUE FLEXIBLE**
[72] YOUSFI, RAZIK, US
[72] SCHUEFFLER, PETER, US
[72] FRESNEAU, THOMAS, US
[72] TSEMA, ALEXANDER, US
[71] PAIGE.AI, INC., US
[85] 2023-09-14
[86] 2022-04-26 (PCT/US2022/026255)
[87] (WO2022/232078)
[30] US (63/179,852) 2021-04-26

[21] **3,212,259**
[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01) A61K 31/196 (2006.01)**
[25] EN
[54] **EMULSIONS FOR LOCAL ANESTHETICS**
[54] **EMULSIONS POUR ANESTHESIANTS LOCAUX**
[72] CHEN, ANDREW XIAN, US
[72] CHEN, LIJIA, US
[72] MCLOUD, DAMIAN, US
[71] CALI BIOSCIENCES US, LLC, US
[85] 2023-09-14
[86] 2022-03-24 (PCT/US2022/021721)
[87] (WO2022/212166)
[30] US (63/169,121) 2021-03-31
[30] US (17/369,369) 2021-07-07

[21] **3,212,260**
[13] A1
[51] **Int.Cl. H01R 31/06 (2006.01) H01R 43/20 (2006.01) H02M 7/04 (2006.01)**
[25] EN
[54] **MANUFACTURING METHOD AND PRODUCT FAMILY**
[54] **PROCEDE DE FABRICATION ET FAMILLE DE PRODUITS**
[72] KOHDA, SUSUMU, JP
[71] RADIUS CO., LTD., JP
[85] 2023-09-14
[86] 2021-06-25 (PCT/JP2021/024255)
[87] (WO2022/195905)
[30] JP (2021-042788) 2021-03-16
[30] JP (2021-106101) 2021-06-25

[21] **3,212,261**
[13] A1
[51] **Int.Cl. G10L 15/28 (2013.01) G06F 40/51 (2020.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TRANSLATION OF STREAMING ENCRYPTED CONTENT**
[54] **SYSTEME ET PROCEDE DE TRADUCTION D'UN CONTENU CHIFFRE DIFFUSE EN CONTINU**
[72] GRAPPIN, EDWIN, ES
[72] VERDIER, JEROME, CA
[71] COMMUNAUTE WOOPEN INC., CA
[85] 2023-09-14
[86] 2022-03-31 (PCT/IB2022/053047)
[87] (WO2022/208451)
[30] EP (21305426.5) 2021-04-01

[21] **3,212,262**
[13] A1
[51] **Int.Cl. C01G 49/06 (2006.01) H01F 1/055 (2006.01)**
[25] EN
[54] **ORE DISSOLUTION AND IRON CONVERSION SYSTEM**
[54] **DISSOLUTION DE MINERAI ET SYSTEME DE CONVERSION DE FER**
[72] PHAM, AI QUOC, US
[72] NIJHAWAN, SANDEEP, US
[72] ALVAREZ, ADOLFREDO, US
[72] FATUR, STEVEN, US
[71] ELECTRASTEEL, INC., US
[85] 2023-09-14
[86] 2022-03-24 (PCT/US2022/021729)
[87] (WO2022/204391)
[30] US (63/165,502) 2021-03-24

[21] **3,212,264**
[13] A1
[51] **Int.Cl. A61P 19/02 (2006.01)**
[25] EN
[54] **RECOMBINANT TYPE II COLLAGEN FOR THERAPEUTIC USE**
[54] **COLLAGENE DE TYPE II RECOMBINANT A USAGE THERAPEUTIQUE**
[72] HAUSMANNS, STEPHAN, DE
[72] FRECH, HANS-ULRICH, DE
[72] OESSER, STEFFEN, DE
[72] HAHN, MARTIN, DE
[71] GELITA AG, DE
[85] 2023-09-14
[86] 2022-03-23 (PCT/EP2022/057624)
[87] (WO2022/200422)
[30] DE (10 2021 202 830.6) 2021-03-23

[21] **3,212,265**
[13] A1
[51] **Int.Cl. G06F 16/907 (2019.01)**
[25] EN
[54] **SERVER AND METHOD FOR GENERATING DIGITAL CONTENT FOR USERS OF A RECOMMENDATION SYSTEM**
[54] **SERVEUR ET PROCEDE DE GENERATION DE CONTENU NUMERIQUE POUR DES UTILISATEURS D'UN SYSTEME DE RECOMMANDATION**
[72] GRAPPIN, EDWIN, ES
[72] VERDIER, JEROME, CA
[71] COMMUNAUTE WOOPEN INC., CA
[85] 2023-09-14
[86] 2022-03-31 (PCT/IB2022/053040)
[87] (WO2022/208446)
[30] EP (21305425.7) 2021-04-01

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[13] A1
[51] **Int.Cl. H01Q 1/12 (2006.01) H01Q 1/28 (2006.01) H01Q 1/42 (2006.01)**
[25] EN
[54] **ANTENNA CLADDING FOR AIRCRAFT**
[54] **GAINE D'ANTENNE POUR AERONEF**
[72] ADUGNA, TOBIAS, DE
[72] STROTMANN, ARNO, DE
[72] EXNER, MATTHIAS, DE
[71] LUFTHANSA TECHNIK AG, DE
[85] 2023-09-14
[86] 2022-03-14 (PCT/EP2022/056431)
[87] (WO2022/194725)
[30] DE (10 2021 106 321.3) 2021-03-16

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[13] A1
[51] **Int.Cl. A61P 31/12 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **NANOGEL-COATED VACCINE**
[54] **VACCIN ENROBE DE NANOGEL**
[72] KIYONO, HIROSHI, JP
[72] YUKI, YOSHIKAZU, JP
[71] THE UNIVERSITY OF TOKYO, JP
[71] HANAVAX INC., JP
[85] 2023-09-14
[86] 2022-03-28 (PCT/JP2022/014798)
[87] (WO2022/210465)
[30] JP (2021-056392) 2021-03-30

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[13] A1
[51] **Int.Cl. B63B 21/50 (2006.01) B63B 1/10 (2006.01)**
[25] EN
[54] **MOORING ARRANGEMENT FOR A TENSION LEG PLATFORM**
[54] **AGENCEMENT D'AMARRAGE POUR PLATEFORME DE JAMBE DE TENSION**
[72] FOSTER, GRAHAM, GB
[72] O'MALLEY, ALEX, GB
[71] MARINE POWER SYSTEMS LIMITED, GB
[85] 2023-09-14
[86] 2022-04-07 (PCT/EP2022/059277)
[87] (WO2022/214596)
[30] GB (2104934.1) 2021-04-07

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[13] A1
[51] **Int.Cl. A61P 31/04 (2006.01)**
[25] EN
[54] **PATHOGEN MOIETIES AND USES THEREOF**
[54] **FRACTIONS PATHOGENES ET LEURS UTILISATIONS**
[72] JENNINGS, MICHAEL, AU
[72] JEN, FREDA (EN-CHI), AU
[72] SEIB, KATE, AU
[72] SEMCHENKO, EVGENY, AU
[72] KIEFEL, MILTON, AU
[72] APICELLA, MICHAEL, US
[71] GRIFFITH UNIVERSITY, AU
[71] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US
[85] 2023-09-14
[86] 2022-03-14 (PCT/AU2022/050213)
[87] (WO2022/192937)
[30] US (63/161,399) 2021-03-15

[21] **3,212,272**
[13] A1
[51] **Int.Cl. G01M 13/021 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO MONITOR SEATS FOR DIAGNOSTICS, PROGNOSTICS AND DEGRADATION**
[54] **SYSTEMES ET PROCEDES POUR SURVEILLER DES SIEGES POUR DES DIAGNOSTICS, DES PRONOSTICS ET UNE DEGRADATION**
[72] YANG, HANLONG, US
[72] CHAMAKURI, NANDAKISHOR R., IN
[72] AGALAVE, SHRIRAM B., IN
[71] MAGNA SEATING INC., CA
[85] 2023-09-14
[86] 2022-03-30 (PCT/US2022/022422)
[87] (WO2022/212427)
[30] US (63/167,938) 2021-03-30

[21] **3,212,273**
[13] A1
[25] EN
[54] **CONNECTING ASSEMBLY FOR CONNECTING TWO COMPONENTS IN THE FIELD OF CONSTRUCTION**
[54] **ENSEMBLE DE LIAISON POUR RELIER DEUX COMPOSANTS DANS LE DOMAINE DE LA CONSTRUCTION**
[72] ZUMBRUNN-MAURER, BRUNO, CH
[71] N´H HOLDING AG LUNGERN, CH
[85] 2023-09-14
[86] 2022-03-17 (PCT/EP2022/057021)
[87] (WO2022/207346)
[30] EP (21165672.3) 2021-03-29

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[13] A1
[51] **Int.Cl. G01N 27/9013 (2021.01) B23P 23/06 (2006.01) G01N 21/89 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR TESTING A PIPE**
[54] **PROCEDE ET SYSTEME DE TEST D'UN TUYAU**
[72] NICOLINI, ALBERTO, IT
[72] BONADEO, NICOLAS HERNAN, AR
[72] SOLORZANO, BENITO PEREZ, MX
[72] ETCHEVERRY, JAVIER IGNACIO, AR
[71] TENARIS CONNECTIONS B.V., NL
[85] 2023-09-14
[86] 2022-03-17 (PCT/EP2022/056956)
[87] (WO2022/195002)
[30] EP (21163284.9) 2021-03-17

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[13] A1
[51] **Int.Cl. A23L 33/18 (2016.01) A23J 3/14 (2006.01) A23J 3/22 (2006.01)**
[25] EN
[54] **TEXTURED PROTEIN MATERIAL CONTAINING FUNGI, METHODS OF MAKING THE SAME, AND USES THEREOF**
[54] **MATIERE PROTEIQUE TEXTUREE CONTENANT DES CHAMPIGNONS, PROCEDES DE FABRICATION DE LADITE MATIERE ET UTILISATIONS CORRESPONDANTES**
[72] NIXON, JOSHUA, US
[72] LE, KIMBERLIE, US
[72] FRELKA, JOHN, US
[71] TERRAMINO INC., US
[85] 2023-09-14
[86] 2022-03-16 (PCT/US2022/020575)
[87] (WO2022/197816)
[30] US (63/161,865) 2021-03-16

[21] **3,212,276**
[13] A1
[25] EN
[54] **PROCESS FOR FRACTIONATION OF LIGNIN**
[54] **PROCEDE DE FRACTIONNEMENT DE LIGNINE**
[72] GRANDE, PHILIPP M., DE
[72] KLOSE, HOLGER, DE
[72] LEITNER, WALTER, DE
[72] WEIDENER, DENNIS, DE
[72] DOMINGUEZ DE MARIA, PABLO, ES
[71] FORSCHUNGSZENTRUM JULICH GMBH, DE
[85] 2023-09-14
[86] 2022-03-14 (PCT/EP2022/056562)
[87] (WO2022/194788)
[30] DE (10 2021 106 727.8) 2021-03-18

[21] **3,212,277**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **GAMMA DELTA T-CELL COSTIMULATION**
[54] **CO-STIMULATION DE LYMPHOCYTES T GAMMA DELTA**
[72] SCHREIBER, TAYLOR, US
[72] DE SILVA, SURESH, US
[72] FROMM, GEORGE, US
[72] LAI, ANNE, US
[71] SHATTUCK LABS, INC., US
[85] 2023-09-14
[86] 2022-03-16 (PCT/US2022/020580)
[87] (WO2022/197821)
[30] US (63/161,512) 2021-03-16

[21] **3,212,278**
[13] A1
[25] EN
[54] **ENVIRONMENTAL STATE HEALTH ASSESSMENT**
[54] **EVALUATION DE LA SANTE A L'ETAT ENVIRONNEMENTAL**
[72] HUBER, JONATHAN, US
[72] SELTZER, RICHARD, US
[71] RADIO SYSTEMS CORPORATION, US
[85] 2023-09-14
[86] 2022-03-15 (PCT/US2022/020402)
[87] (WO2022/197715)
[30] US (63/161,240) 2021-03-15

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[13] A1
[51] **Int.Cl. C11D 3/22 (2006.01) C11D 1/86 (2006.01) C11D 3/382 (2006.01) C11D 3/386 (2006.01)**
[25] EN
[54] **MATRIX STRUCTURE FOR A LAUNDRY DETERGENT COMPOSITION, LAUNDRY DETERGENT SOLID COMPOSITION, PROCESS TO PRODUCE A SOLID LAUNDRY DETERGENT COMPOSITION, UNIT DOSAGE DETERGENT FORM, USE OF MICROFIBRILLATED CELLULOSE**
[54] **STRUCTURE DE MATRICE POUR COMPOSITION DE DETERGENT A LESSIVE, COMPOSITION SOLIDE DE DETERGENT A LESSIVE, PROCEDE DE PRODUCTION D'UNE COMPOSITION DE DETERGENT A LESSIVE SOLIDE, FORME DE DETERGENT A DOSE UNITAIRE, UTILISATION DE CELLULOSE MICROFIBRILLEE**
[72] GUIMARAES, MATHEUS ANTUNES, BR
[72] VIEIRA, RICHIELI TELES, BR
[72] SPADAFORA, BRUNA PAPA, BR
[71] SUZANO S.A., BR
[85] 2023-08-30
[86] 2022-03-11 (PCT/BR2022/050086)
[87] (WO2022/187928)
[30] US (63/159,860) 2021-03-11

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[13] A1
[51] **Int.Cl. A61B 3/135 (2006.01) A61B 3/14 (2006.01)**
[25] EN
[54] **SLIT LAMP SYSTEM, MOUNTING BRACKET THEREFORE, AND METHOD OF IMAGING AN EYE OF A PATIENT**
[54] **SYSTEME DE LAMPE A FENTE, SON SUPPORT DE MONTAGE, ET PROCEDE D'IMAGERIE D'UN □IL D'UN PATIENT**
[72] GAGNON, JEAN-MATHIEU, CA
[72] GAGNE, SEBASTIEN, CA
[72] CHAMPAGNE, MATHIEU, CA
[71] LIGHTX INNOVATIONS INC., CA
[85] 2023-08-30
[86] 2022-03-02 (PCT/CA2022/050292)
[87] (WO2022/183286)
[30] US (63/155,804) 2021-03-03

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[13] A1
[51] **Int.Cl. H04W 12/082 (2021.01) H04W 12/04 (2021.01) E05B 47/00 (2006.01)**
[25] EN
[54] **METHOD OF OPERATING AN ELECTRONIC LOCK LOCKING A COMMUNITY ASSET, AND ELECTRONIC LOCK SYSTEM**
[54] **PROCEDE DE FONCTIONNEMENT D'UN VERROU ELECTRONIQUE VERROUILLANT UN ACTIF COMMUNAUTAIRE, ET SYSTEME DE VERROUILLAGE ELECTRONIQUE**
[72] LESSARD, MICHEL, CA
[72] ZHOU, XIAO QIANG, CA
[72] ABBASI, FARNAZ, CA
[72] PALOMAR ROBLEDO, ALBERTO, ES
[71] DORMAKABA CANADA INC., CA
[85] 2023-08-30
[86] 2022-03-08 (PCT/CA2022/050331)
[87] (WO2022/187947)
[30] US (63/158,438) 2021-03-09

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[13] A1
[51] **Int.Cl. G05B 13/02 (2006.01) B65G 43/08 (2006.01) B65G 43/10 (2006.01) B65G 47/26 (2006.01) G05B 19/418 (2006.01)**
[25] EN
[54] **COMPUTER-IMPLEMENTED METHOD, APPARATUS FOR DATA PROCESSING, AND COMPUTER SYSTEM FOR CONTROLLING A CONTROL DEVICE OF A CONVEYOR SYSTEM**
[54] **PROCEDE MIS EN □UVRE PAR ORDINATEUR, DISPOSITIF DE TRAITEMENT DE DONNEES, ET SYSTEME INFORMATIQUE POUR L'ACTIONNEMENT D'UN DISPOSITIF DE REGULATION D'UN SYSTEME CONVOYEUR**
[72] ZETTLER, MICHAEL, DE
[72] WEBER, MARC CHRISTIAN, DE
[72] HEIN, DANIEL, DE
[72] OTTE, CLEMENS, DE
[72] SCHALL, MARTIN, DE
[72] PFEIFFER, FRANK, DE
[71] KORBER SUPPLY CHAIN LOGISTICS GMBH, DE
[85] 2023-08-30
[86] 2022-02-01 (PCT/EP2022/052335)
[87] (WO2022/184358)
[30] EP (21159819.8) 2021-03-01

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[13] A1
[51] **Int.Cl. C08L 1/02 (2006.01) C08K 3/105 (2018.01) C08K 3/11 (2018.01) C08K 3/22 (2006.01)**
[25] EN
[54] **A METHOD FOR THE PREPARATION OF A HYBRID NANO-STRUCTURED COMPOSITE COMPRISING CELLULOSE NANO-PARTICLES AND METAL COMPOUND NANO-PARTICLES**
[54] **PROCEDE DE PREPARATION D'UN COMPOSITE NANO-STRUCTURE HYBRIDE COMPRENANT DES NANOPARTICULES DE CELLULOSE ET DES NANOPARTICULES DE COMPOSE METALLIQUE**
[72] O'CONNOR, PAUL, NL
[72] BABICH, IGOR, NL
[72] O'CONNOR, KIMBERLEY, NL
[72] BOUTE, BJORN, NL
[71] CELLICON B.V., NL
[85] 2023-08-30
[86] 2022-02-25 (PCT/EP2022/054891)
[87] (WO2022/184600)
[30] EP (21160301.4) 2021-03-02

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[13] A1
[51] **Int.Cl. H01M 10/44 (2006.01) H02J 7/00 (2006.01) H01M 10/42 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DISCHARGING A BATTERY, AND COMPUTER PROGRAM PRODUCT**
[54] **PROCEDES ET SYSTEMES POUR DECHARGER UNE BATTERIE ET PRODUIT PROGRAMME D'ORDINATEUR**
[72] NEHMBHARD, NICOLE, SE
[72] THORSLUND, MIKAEL, SE
[71] NORTHVOLT AB, SE
[71] NORTHVOLT REVOLT AB, SE
[85] 2023-08-30
[86] 2022-03-04 (PCT/EP2022/055500)
[87] (WO2022/184878)
[30] EP (21160655.3) 2021-03-04

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[13] A1
[51] **Int.Cl. B09C 1/02 (2006.01) A62D 3/33 (2007.01) B09B 3/70 (2022.01) B01J 20/00 (2006.01) B09C 1/08 (2006.01) C02F 11/00 (2006.01) G21F 9/12 (2006.01)**
[25] EN
[54] **REMOVAL OF ARSENIC, ANTIMONY AND TOXIC METALS FROM CONTAMINATED SUBSTRATE**
[54] **ELIMINATION DE L'ARSENIC, DE L'ANTIMOINE ET DE METAUX TOXIQUES D'UN SUBSTRAT CONTAMINE**
[72] LESTAN, DOMEN, SI
[72] GLUHAR, SIMON, SI
[71] ENVIT, ENVIRONMENTAL TECHNOLOGIES AND ENGINEERING LTD., SI
[85] 2023-08-30
[86] 2022-03-04 (PCT/EP2022/055567)
[87] (WO2022/184903)
[30] LU (LU102642) 2021-03-05

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0215 (2006.01)**
[25] EN
[54] **SHUNT IMPLANT DEVICES WITH OVER-CHANNEL SENSOR ARMS**
[54] **DISPOSITIFS D'IMPLANT DE DERIVATION DOTES DE BRAS DE CAPTEUR SUR CANAL**
[72] VALDEZ, MICHAEL G., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-08-30
[86] 2022-03-03 (PCT/US2022/018748)
[87] (WO2022/197454)
[30] US (63/161,385) 2021-03-15

[21] **3,212,291**
[13] A1
[51] **Int.Cl. G02C 7/02 (2006.01)**
[25] EN
[54] **INTRAOCULAR LENS PROVIDING EXTENDED DEPTH OF FOCUS**
[54] **LENTILLE INTRAOCULAIRE FOURNISSANT UNE PROFONDEUR DE FOYER ETENDUE**
[72] TIWARI, NIVEDAN, US
[71] TATVUM LLC, US
[85] 2023-08-30
[86] 2022-03-09 (PCT/US2022/019463)
[87] (WO2022/192339)
[30] US (63/158,414) 2021-03-09

[21] **3,212,292**
[13] A1
[51] **Int.Cl. C07D 473/00 (2006.01) A61K 31/52 (2006.01) A61P 35/00 (2006.01) C07D 473/30 (2006.01) C07D 473/34 (2006.01)**
[25] EN
[54] **PURINE DERIVATIVES AS ANTICANCER AGENTS**
[54] **DERIVES DE PURINE UTILISES EN TANT QU'AGENTS ANTICANCEREUX**
[72] THRONER, SCOTT, US
[72] JONSSON, DANIEL, SE
[71] TANGO THERAPEUTICS, INC., US
[71] MEDIVIR, SE
[85] 2023-08-30
[86] 2022-03-17 (PCT/US2022/020700)
[87] (WO2022/197892)
[30] US (63/162,460) 2021-03-17

[21] **3,212,293**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C12Q 1/6883 (2018.01) A61K 31/7088 (2006.01) A61P 1/16 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **METHODS OF TREATING LIVER DISEASES WITH PHOSPHODIESTERASE 3B (PDE3B) INHIBITORS**
[54] **METHODES DE TRAITEMENT DE MALADIES HEPATIQUES AVEC DES INHIBITEURS DE PHOSPHODIESTERASE 3B (PDE3B)**
[72] VERWEIJ, NIEK, US
[72] SOSINA, OLUKAYODE, US
[72] AKBARI, PARSA, US
[72] LOCKE, ADAM, US
[72] BARAS, ARIS, US
[72] LOTTA, LUCA ANDREA, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2023-08-30
[86] 2022-05-10 (PCT/US2022/028415)
[87] (WO2022/240783)
[30] US (63/186,838) 2021-05-11

[21] **3,212,294**
[13] A1
[51] **Int.Cl. A01H 5/10 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **GENETIC PURITY ESTIMATE METHOD BY SEQUENCING**
[54] **PROCEDE D'ESTIMATION D'UNE PURETE GENETIQUE PAR SEQUENCAGE**
[72] MAKKENA, SRILAKSHMI, US
[72] ISLAM, SHOFIQUL, US
[72] BENATTI, MATHEUS ROMANOS, US
[72] ZHENG, PEIZHONG, US
[71] INDIANA CROP IMPROVEMENT ASSOCIATION, US
[85] 2023-08-30
[86] 2022-03-01 (PCT/US2022/070897)
[87] (WO2022/187816)
[30] US (63/200,338) 2021-03-02

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01)**
[25] EN
[54] **ORAL THIN FILM**
[54] **FILM ORAL MINCE**
[72] MULLER, MARKUS, DE
[72] FICKER, MARIO, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2023-08-31
[86] 2022-03-02 (PCT/EP2022/055284)
[87] (WO2022/184770)
[30] DE (10 2021 105 268.8) 2021-03-04

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[13] A1
[51] **Int.Cl. C12N 9/40 (2006.01) A61K 38/04 (2006.01) C07K 4/04 (2006.01) C07K 7/04 (2006.01) C07K 7/06 (2006.01) C12N 9/86 (2006.01)**
[25] EN
[54] **BETA-LACTAMASE INHIBITORS**
[54] **INHIBITEURS DE BETA-LACTAMASE**
[72] SCHYMKOWITZ, JOOST, BE
[72] ROUSSEAU, FREDERIC, BE
[72] KHODAPARAST, LADAN, BE
[72] KHODAPARAST, LALEH, BE
[71] VIB VZW, BE
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
[85] 2023-08-31
[86] 2022-03-03 (PCT/EP2022/055387)
[87] (WO2022/184821)
[30] EP (21160529.0) 2021-03-03

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[13] A1
[51] **Int.Cl. A61K 35/614 (2015.01) A61K 8/64 (2006.01) A61K 9/00 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **COLLAGENOUS EXTRACTS FOR USE AS A MEDICAMENT**
[54] **EXTRAITS DE COLLAGENE DESTINES A ETRE UTILISES EN TANT QUE MEDICAMENT**
[72] SPRAGG, ANDREW MEARNS, GB
[72] BARNARD, ALMERO, GB
[71] JELLAGEN LTD, GB
[85] 2023-08-31
[86] 2022-02-25 (PCT/GB2022/050521)
[87] (WO2022/185033)
[30] GB (2103046.5) 2021-03-04

[21] **3,212,300**
[13] A1
[51] **Int.Cl. B28B 23/22 (2006.01) E04B 5/32 (2006.01) E04C 5/16 (2006.01)**
[25] EN
[54] **LATTICE OF HOLLOW BODIES WITH REINFORCEMENT MEMBER SUPPORTS**
[54] **TREILLIS DE CORPS CREUX AVEC SUPPORTS D'ELEMENT DE RENFORCEMENT**
[72] CHOW, CLARK, CA
[72] BOWICK, JOHN DAVID, CA
[72] CLARKE-AMES, JEREMY JONATHAN, CA
[71] PLASCON PLASTICS CORPORATION, CA
[85] 2023-08-31
[86] 2022-03-07 (PCT/CA2022/050326)
[87] (WO2022/187943)
[30] US (17/195,241) 2021-03-08

[21] **3,212,304**
[13] A1
[51] **Int.Cl. C11D 3/00 (2006.01) C11D 3/22 (2006.01) C11D 7/26 (2006.01) B65B 25/00 (2006.01) B65B 55/22 (2006.01)**
[25] EN
[54] **PACKAGING SOLUTIONS**
[54] **SOLUTIONS POUR EMBALLAGE**
[72] POETZ, KATIE L., US
[72] NUNEZ, IVAN M., US
[72] MARK, ANALUZ, US
[72] BENNETT, GRACE, US
[72] STEFFEN, ROBERT, US
[72] HOTELING, ANDREW J., US
[72] PIOTROWSKI, MICHELLE, US
[72] SHANNON, BRENDAN, US
[72] CUBI, KEYLA, US
[72] INGHAM, ALANA, US
[71] BAUSCH + LOMB IRELAND LIMITED, IE
[85] 2023-08-31
[86] 2022-03-09 (PCT/EP2022/056058)
[87] (WO2022/189517)
[30] US (63/159,881) 2021-03-11

[21] **3,212,305**
[13] A1
[51] **Int.Cl. C11D 3/00 (2006.01) C11D 1/66 (2006.01) C11D 3/04 (2006.01) C11D 3/20 (2006.01) C11D 3/22 (2006.01)**
[25] EN
[54] **CONTACT LENS TREATING SOLUTION**
[54] **SOLUTION DE TRAITEMENT DE LENTILLES DE CONTACT**
[72] BARNIAK, VICKI, US
[72] SCHEUER, CATHERINE, US
[72] REINDEL, WILLIAM T., US
[72] DUEX, JOHN MICHAEL, US
[72] GIALLOMBARDO, ANDREA E., US
[72] SUPERSAD, ELORA, US
[71] BAUSCH + LOMB IRELAND LIMITED, IE
[85] 2023-08-31
[86] 2022-03-10 (PCT/EP2022/056132)
[87] (WO2022/189548)
[30] US (63/159,097) 2021-03-10

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[13] A1
[51] **Int.Cl. G01V 3/38 (2006.01)**
[25] EN
[54] **AN INCOHERENT CLOCKING METHOD**
[54] **PROCEDE DE SYNCHRONISATION INCOHERENTE D'HORLOGES**
[72] CARLSON, BRENT, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2023-09-15
[86] 2022-03-10 (PCT/CA2022/050352)
[87] (WO2022/192990)
[30] US (63/161,609) 2021-03-16

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[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **EXTREMELY HIGH THROUGHPUT LINK ADAPTATION CONTROL INFORMATION TRANSMISSION METHOD AND RELATED APPARATUS**
[54] **METHODE DE TRANSMISSION DE PARAMETRES D'ADAPTATION DE LIEN A DEBIT TRES ELEVE ET APPAREIL CONNEXE**
[72] YU, JIAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-08-31
[86] 2022-03-01 (PCT/CN2022/078549)
[87] (WO2022/184042)
[30] CN (202110234960.4) 2021-03-03

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[13] A1
[51] **Int.Cl. A61B 5/369 (2021.01)**
[25] EN
[54] **METHODS AND DEVICES FOR PHOTOBIOMODULATION**
[54] **PROCEDES ET DISPOSITIFS DE PHOTOBIOMODULATION**
[72] STEINGOLD, EUGENIA, US
[72] SVERDLOV, KATYA, US
[72] ASHIKHMIN, MICHAEL, US
[72] MOSTASHARI, ALI, US
[72] STEINGOLD, SAM, US
[71] JELIKALITE LLC, US
[85] 2023-09-15
[86] 2022-03-17 (PCT/US2022/020770)
[87] (WO2022/197937)
[30] US (63/162,484) 2021-03-17
[30] US (63/272,823) 2021-10-28
[30] US (63/250,703) 2021-09-30
[30] US (63/303,384) 2022-01-26

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[13] A1
[51] **Int.Cl. C11D 3/00 (2006.01) C11D 1/66 (2006.01) C11D 3/04 (2006.01) C11D 3/20 (2006.01) C11D 3/22 (2006.01)**
[25] EN
[54] **PRESERVATIVE-FREE CONTACT LENS TREATING SOLUTION**
[54] **SOLUTION DE TRAITEMENT DE LENTILLES DE CONTACT SANS CONSERVATEUR**
[72] BARNIAK, VICKI, US
[72] SCHEUER, CATHERINE, US
[72] REINDEL, WILLIAM T., US
[72] DUEX, JOHN MICHAEL, US
[72] GIALLOMBARDO, ANDREA E., US
[71] BAUSCH + LOMB IRELAND LIMITED, IE
[85] 2023-08-31
[86] 2022-03-10 (PCT/EP2022/056144)
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[30] US (63/159,097) 2021-03-10

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[13] A1
[51] **Int.Cl. E04G 11/50 (2006.01) E04G 17/00 (2006.01) E04G 21/32 (2006.01) E04G 25/00 (2006.01)**
[25] EN
[54] **CONNECTION DEVICE, CEILING FORMWORK SYSTEM WITH A CONNECTION DEVICE AND USE OF A CONNECTION DEVICE**
[54] **DISPOSITIF DE RACCORDEMENT, SYSTEME DE COFFRAGE DE PLAFOND POURVU D'UN DISPOSITIF DE RACCORDEMENT ET UTILISATION D'UN DISPOSITIF DE RACCORDEMENT**
[72] STURM, FLORIAN, DE
[71] PERI SE, DE
[85] 2023-08-31
[86] 2021-11-19 (PCT/EP2021/082353)
[87] (WO2022/184296)
[30] DE (10 2021 201 990.0) 2021-03-02

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-KLRG1 ANTIBODIES**
[54] **ANTICORPS ANTI-KLRG1**
[72] GULLA, STEFANO V., US
[72] THOMPSON, KENNETH EVAN, US
[71] ABCURO, INC., US
[85] 2023-09-15
[86] 2022-03-25 (PCT/US2022/021945)
[87] (WO2022/204514)
[30] US (63/166,663) 2021-03-26
[30] US (63/294,436) 2021-12-29

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[13] A1
[51] **Int.Cl. A61K 31/5395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED 3,6-DIHYDRO-2H-1,3,4-OXADIAZIN-2-ONES FOR THE TREATMENT OF SARCOMA**
[54] **3,6-DIHYDRO-2H-1,3,4-OXADIAZIN-2-ONES SUBSTITUEES POUR LE TRAITEMENT DU SARCOME**
[72] LANGE, MARTIN, DE
[72] KAULFUSS, STEFAN, DE
[72] KOPITZ, CHARLOTTE CHRISTINE, DE
[72] GREULICH, HEIDI, US
[72] WU, XIAOYUN, US
[72] MEYERSON, MATTHEW, US
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] THE BROAD INSTITUTE, INC., US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2023-08-31
[86] 2022-03-02 (PCT/EP2022/055211)
[87] (WO2022/184748)
[30] US (63/156,193) 2021-03-03

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/36 (2006.01) C11D 1/66 (2006.01) C11D 3/00 (2006.01) C11D 3/04 (2006.01) C11D 3/20 (2006.01) C11D 3/22 (2006.01)**
[25] EN
[54] **OPHTHALMIC SOLUTIONS**
[54] **SOLUTIONS OPHTALMIQUES**
[72] BARNIAK, VICKI, US
[72] SCHEUER, CATHERINE, US
[72] REINDEL, WILLIAM T., US
[72] DUEX, JOHN MICHAEL, US
[72] GIALLOMBARDO, ANDREA E., US
[71] BAUSCH + LOMB IRELAND LIMITED, IE
[85] 2023-08-31
[86] 2022-03-10 (PCT/EP2022/056158)
[87] (WO2022/189557)
[30] US (63/159,097) 2021-03-10

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[13] A1
[51] **Int.Cl. A61K 31/4436 (2006.01) A61K 45/06 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **TREATMENT OF HIDRADENITIS SUPPURATIVA WITH ORISMILAST**
[54] **TRAITEMENT DE L'HIDRADENITE SUPPUREE AVEC DE L'ORISMILAST**
[72] SOMMER, MORTEN, DK
[72] KJOLLER, KIM, DK
[72] ANDRES, PHILIPPE, FR
[72] WEISS, ANNE, DK
[72] TAUDORF, ELISABETH HJARDEM, DK
[72] JEMEC, GREGOR B.E., DK
[71] UNION THERAPEUTICS A/S, DK
[85] 2023-09-15
[86] 2022-03-22 (PCT/EP2022/057472)
[87] (WO2022/200339)
[30] GB (2103975.5) 2021-03-22
[30] GB (2118420.5) 2021-12-17
[30] GB (2201381.7) 2022-02-03

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[13] A1
[51] **Int.Cl. A23P 30/20 (2016.01) A23J 3/14 (2006.01) A23J 3/22 (2006.01) A23J 3/26 (2006.01)**
[25] EN
[54] **POTATO PROTEIN AND PROCESS FOR MANUFACTURING THEREOF**
[54] **PROTEINE DE POMME DE TERRE ET SON PROCEDE DE FABRICATION**
[72] HANNIBAL, THOMAS, DK
[72] SORENSEN, OLE BANDSHOLM, DK
[72] CHRISTENSEN, LINE BACH, DK
[71] KMC KARTOFFELMELCENTRALEN AMBA, DK
[85] 2023-09-15
[86] 2022-03-28 (PCT/EP2022/058087)
[87] (WO2022/207546)
[30] EP (21166169.9) 2021-03-31
[30] EP (21211998.6) 2021-12-02

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[13] A1
[51] **Int.Cl. C12Q 1/6895 (2018.01) A01H 6/28 (2018.01)**
[25] EN
[54] **CANNABIS PLANTS EXHIBITING POWDERY MILDEW RESISTANCE AND METHODS FOR OBTAINING SAME**
[54] **PLANTES DE CANNABIS PRESENTANT UNE RESISTANCE A L'OIDIUM ET LEURS PROCEDES D'OBTENTION**
[72] DEOKAR, AMIT, CA
[71] CANOPY GROWTH CORPORATION, CA
[85] 2023-09-15
[86] 2022-05-06 (PCT/CA2022/050716)
[87] (WO2022/232946)
[30] US (63/185,752) 2021-05-07
[30] US (63/304,169) 2022-01-28

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **NITROGEN-CONTAINING HETEROCYCLIC POLYCYCLIC COMPOUND, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF**
[54] **COMPOSE HETEROCYCLIQUE POLYCYCLIQUE CONTENANT DE L'AZOTE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] XIAO, HUALING, CN
[72] LU, XINGYUN, CN
[72] SU, YIDONG, CN
[72] GONG, ZHEN, CN
[72] YU, WENSHENG, CN
[71] SHANGHAI HANSOH BIOMEDICAL CO., LTD., CN
[71] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2023-09-15
[86] 2022-03-15 (PCT/CN2022/080829)
[87] (WO2022/194122)
[30] CN (202110280887.4) 2021-03-16
[30] CN (202110591611.8) 2021-05-28
[30] CN (202110934860.2) 2021-08-13

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[13] A1
[25] EN
[54] **A GENETICALLY ENGINEERED PLANT OR PART THEREOF ADAPTED FOR THE PRODUCTION OF RECOMBINANT PROTEINS AND PROCESS THEREOF**
[54] **PLANTE GENETIQUEMENT MODIFIEE OU PARTIE DE CELLE-CI CONCUE POUR LA PRODUCTION DE PROTEINES RECOMBINANTES ET PROCEDE ASSOCIE**
[72] MEZIADI, CHOUAIB, FR
[71] CORE BIOGENESIS, FR
[85] 2023-09-15
[86] 2022-03-10 (PCT/EP2022/056113)
[87] (WO2022/194652)
[30] EP (21305319.2) 2021-03-16

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[13] A1
[51] **Int.Cl. H05K 7/14 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **MODULAR RUGGED COOLED ACTUATOR CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE D'ACTIONNEUR REFROIDI ROBUSTE MODULAIRE**
[72] OPIE, RAY, US
[71] MOOG INC., US
[85] 2023-08-31
[86] 2022-02-24 (PCT/US2022/017629)
[87] (WO2022/187066)
[30] US (63/155,228) 2021-03-01

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) G01N 33/53 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **QUANTIFICATION OF CELL MIGRATION AND METASTATIC POTENTIAL OF TUMOR CELLS**
[54] **QUANTIFICATION DE LA MIGRATION CELLULAIRE ET DU POTENTIEL METASTATIQUE DE CELLULES TUMORALES**
[72] SUNDH, PATRIK, SE
[72] EVENBRATT, HANNE, SE
[72] HOLMQUIST, NIKLAS, SE
[72] ANDANG, MICHAEL, SE
[72] VINCENT, THERESA, SE
[72] SZESZULA, PETRA, SE
[72] MOBINI, REZA, SE
[71] CLINE SCIENTIFIC AB, SE
[85] 2023-08-31
[86] 2022-03-10 (PCT/EP2022/056177)
[87] (WO2022/189565)
[30] EP (21161887.1) 2021-03-10

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[13] A1
[51] **Int.Cl. C10B 19/00 (2006.01) C10B 53/07 (2006.01)**
[25] EN
[54] **COMBINED MICROWAVE PYROLYSIS AND PLASMA METHOD AND REACTOR FOR PRODUCING OLEFINS**
[54] **PROCEDE COMBINE DE PYROLYSE ET DE PLASMA PAR MICRO-ONDES ET REACTEUR DE PRODUCTION D'OLEFINES**
[72] STAPELA, ANNELIE, CH
[72] ROSSOUW, MATHYS JOHANNES, ZA
[71] MICROWAVE SOLUTIONS GMBH, CH
[85] 2023-08-31
[86] 2022-03-24 (PCT/EP2022/057745)
[87] (WO2022/200490)
[30] CH (00312/21) 2021-03-24

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[13] A1
[51] **Int.Cl. C08G 73/02 (2006.01) A61F 2/16 (2006.01) C08G 18/32 (2006.01) C08G 18/61 (2006.01) C08G 18/64 (2006.01) C08G 18/75 (2006.01) G02B 1/04 (2006.01)**
[25] EN
[54] **BIOMEDICAL DEVICES**
[54] **DISPOSITIFS BIOMEDICAUX**
[72] NUNEZ, IVAN M., US
[72] COULLARD, LYNN, US
[72] POETZ, KATIE L., US
[71] BAUSCH + LOMB IRELAND LIMITED, IE
[85] 2023-08-31
[86] 2022-03-14 (PCT/EP2022/056450)
[87] (WO2022/194737)
[30] US (63/161,002) 2021-03-15

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[13] A1
[51] **Int.Cl. G01N 33/543 (2006.01) C12Q 1/6813 (2018.01) C12Q 1/6844 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONDUCTING A MULTIPLEXED ASSAY**
[54] **SYSTEME ET PROCEDE DE REALISATION D'UN DOSAGE MULTIPLEXE**
[72] TSIONSKY, MICHAEL, US
[72] KENTEN, JOHN, US
[71] MESO SCALE TECHNOLOGIES, LLC., US
[85] 2023-08-31
[86] 2022-02-28 (PCT/US2022/018139)
[87] (WO2022/187138)
[30] US (63/155,008) 2021-03-01

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[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **INHIBITORS OF ANTIGEN PRESENTATION BY MHC CLASS II HLA-DRB1*15:01 MOLECULES WITH ENHANCED METABOLIC STABILITY**
[54] **INHIBITEURS DE PRESENTATION D'ANTIGENE PAR DES MOLECULES HLA-DRB1*15:01 DE CMH DE CLASSE II PRESENTANT UNE STABILITE METABOLIQUE AMELIOREE**
[72] OLSON, GARY L., US
[72] SELF, CHRISTOPHER R., US
[72] SUN, YANJUN, US
[71] PROVID PHARMACEUTICALS INC., US
[85] 2023-09-15
[86] 2022-03-09 (PCT/US2022/019445)
[87] (WO2022/197499)
[30] US (63/163,172) 2021-03-19

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[13] A1
[51] **Int.Cl. C01B 3/04 (2006.01) C01B 3/24 (2006.01) C01B 3/34 (2006.01)**
[25] EN
[54] **ELECTROLYSIS AND PYROLYTIC NATURAL GAS CONVERSION SYSTEMS FOR HYDROGEN AND LIQUID FUEL PRODUCTION**
[54] **SYSTEMES D'ELECTROLYSE ET DE CONVERSION DE GAZ NATUREL PYROLYTIQUE POUR LA PRODUCTION D'HYDROGENE ET DE COMBUSTIBLE LIQUIDE**
[72] COHN, DANIEL R., US
[72] BROMBERG, LESLIE, US
[72] SURMA, JEFFREY E., US
[71] INENTEC INC., US
[85] 2023-08-31
[86] 2022-03-02 (PCT/US2022/018571)
[87] (WO2022/187399)
[30] US (63/156,268) 2021-03-03

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[13] A1
[51] **Int.Cl. A61L 27/20 (2006.01) A61L 27/54 (2006.01)**
[25] EN
[54] **A COMPOSITION FOR USE IN THE TREATMENT OF URINARY OR FAECAL INCONTINENCE**
[54] **COMPOSITION DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT DE L'INCONTINENCE URINAIRE OU FECALE**
[72] KUULA, JANI, FI
[72] RAUSSI-LEHTO, EIJA, FI
[72] ROJAS, ORLANDO, FI
[72] AJDARY, RUBINA, FI
[72] MIKKOLA, TOMI, FI
[71] AALTO UNIVERSITY FOUNDATION SR, FI
[85] 2023-09-15
[86] 2022-01-28 (PCT/FI2022/050054)
[87] (WO2022/195158)
[30] FI (20217052) 2021-03-16

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[13] A1
[51] **Int.Cl. B01J 8/06 (2006.01) B01J 19/30 (2006.01) C07C 5/333 (2006.01) C07C 5/48 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **PRODUCING ETHYLENE BY OXIDATIVELY DEHYDROGENATING ETHANE**
[54] **PRODUCTION D'ETHYLENE PAR DESHYDROGENATION OXYDATIVE D'ETHANE**
[72] ZELLHUBER, MATHIEU, DE
[72] SCHUBERT, MARTIN, DE
[72] MEISWINKEL, ANDREAS, DE
[71] LINDE GMBH, DE
[85] 2023-08-31
[86] 2022-03-14 (PCT/EP2022/056565)
[87] (WO2022/194790)
[30] EP (21162659.3) 2021-03-15

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[13] A1
[51] **Int.Cl. A61P 17/02 (2006.01)**
[25] EN
[54] **WOUND HEALING ENHANCEMENT WITH ANTI-CERAMIDE ANTIBODIES**
[54] **AMELIORATION DE LA CICATRISATION D'UNE PLAIE GRACE A DES ANTICORPS ANTI-CERAMIDE**
[72] KOLESNICK, RICHARD, US
[72] BUSIK, JULIA, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[71] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[85] 2023-09-15
[86] 2022-03-15 (PCT/US2022/020385)
[87] (WO2022/197703)
[30] US (63/161,758) 2021-03-16

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[13] A1
[51] **Int.Cl. C07C 5/48 (2006.01) B01J 8/04 (2006.01) B01J 23/20 (2006.01) C07C 11/04 (2006.01) C07C 51/215 (2006.01) C07C 53/08 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR PRODUCING A TARGET COMPOUND**
[54] **PROCEDE ET SYSTEME DE PRODUCTION D'UN COMPOSE CIBLE**
[72] ZELLHUBER, MATHIEU, DE
[72] SCHUBERT, MARTIN, DE
[72] MEISWINKEL, ANDREAS, DE
[72] MESTL, GERHARD, DE
[72] WANNINGER, KLAUS, DE
[72] SCHECK, PETER, DE
[72] WOHL, ANINA, DE
[71] LINDE GMBH, DE
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2023-08-31
[86] 2022-03-14 (PCT/EP2022/056570)
[87] (WO2022/194793)
[30] DE (10 2021 202 495.5) 2021-03-15

[21] **3,212,337**
[13] A1
[25] EN
[54] **INFUSION DEVICE ASSEMBLY**
[54] **ENSEMBLE DISPOSITIF DE PERFUSION**
[72] KESSEL, LAURA, US
[72] JONES, JR. BENJAMIN W., US
[72] MCGROTTY, EOIN, US
[72] GRANT, KEVIN L., US
[72] ADAMS, CORY L., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2023-09-15
[86] 2022-03-15 (PCT/US2022/071158)
[87] (WO2022/198202)
[30] US (63/161,570) 2021-03-16

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[13] A1
[51] **Int.Cl. A61K 31/4725 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHOD OF TREATING A CONDITION USING A THERAPEUTICALLY EFFECTIVE DOSE OF THE MALT1 INHIBITOR JNJ -67856633 (1 -(1 -OXO-1,2-DIHYDROISOQUINOLIN-5-YL)-5-(TRIFLUOROMETHYL)-N-(2-(TRIFL UOROMETHYL)PYRIDIN-4-YL)-1 H-PY RAZOLE-4-CARBOXAMIDE)**
[54] **METHODE DE TRAITEMENT D'UNE AFFECTION A L'AIDE D'UNE DOSE THERAPEUTIQUEMENT EFFICACE DE L'INHIBITEUR DE MALT1 JNJ-67856633 (1-(1-OXO-1,2-DIHYDROISOQUINOLIN-5-YL)-5-(TRIFLUOROMETHY L)-N-(2-(TRIFLUOROMETHYL)PYRIDIN-4-YL)-1 H-PYRAZOLE-4-CARBOXAMIDE)**
[72] GREWAY, ANTHONY T., US
[72] PHILIPPAR, ULRIKE, BE
[72] WILDE, THOMAS C., US
[72] WILLEMIN, MARIE E., BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2023-08-31
[86] 2021-03-03 (PCT/IB2021/051776)
[87] (WO2022/185097)

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[13] A1
[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6816 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR RAPID COVID-19 DETECTION**
[54] **COMPOSITIONS ET PROCEDES POUR LA DETECTION RAPIDE DE COVID-19**
[72] SONG, XIN, US
[72] REIF, JOHN, US
[71] DUKE UNIVERSITY, US
[85] 2023-09-15
[86] 2022-03-21 (PCT/US2022/021138)
[87] (WO2022/204023)
[30] US (63/164,098) 2021-03-22

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[13] A1
[51] **Int.Cl. C07D 513/04 (2006.01) A61K 31/519 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **NEW THIAZOLOPYRIMIDINONE DERIVATIVES**
[54] **NOUVEAUX DERIVES DE THIAZOLOPYRIMIDINONE**
[72] BROM, VIRGINIE, CH
[72] DOLENTE, COSIMO, CH
[72] GAUFRETEAU, DELPHINE, CH
[72] GRETHER, NADINE, CH
[72] O'HARA, FIONN SUSANNAH, CH
[72] PIRAS, MATILDE, CH
[72] RATNI, HASANE, CH
[72] REUTLINGER, MICHAEL, CH
[72] VIFIAN, WALTER, CH
[72] ZAMBALDO, CLAUDIO, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2023-08-31
[86] 2022-03-15 (PCT/EP2022/056586)
[87] (WO2022/194801)
[30] EP (21163259.1) 2021-03-17

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[13] A1
[51] **Int.Cl. B01D 53/047 (2006.01) C01B 13/02 (2006.01)**
[25] EN
[54] **OXYGEN ENRICHMENT DEVICE, CONTROL METHOD AND CONTROL PROGRAM**
[54] **DISPOSITIF D'ENRICHISSEMENT DE L'OXYGENE, METHODE DE CONTROLE ET PROGRAMME DE CONTROLE**
[72] FUJITA, NORIHIRO, JP
[71] TEIJIN PHARMA LIMITED, JP
[85] 2023-08-31
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[87] (WO2022/186175)
[30] JP (2021-032686) 2021-03-02

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[54] **GENE ENCODING A CHIMERIC RECEPTOR FOR AN ANTI-ACETYLCHOLINE RECEPTOR AUTOANTIBODY**
[54] **GENE CODANT POUR UN RECEPTEUR CHIMERIQUE POUR AUTO-ANTICORPS_ANTI-RECEPTEUR DE L'ACETYLCHOLINE**
[72] YOSHIKIYO, KAZUNORI, JP
[72] GOTO, KAZUMICHI, JP
[72] TSUJIMOTO, MAKI, JP
[72] NAGASAKI, CHIKAKO, JP
[72] YOSHIDA, SAYAKA, JP
[72] TAGAYA, HIROAKI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
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[30] JP (2021-043269) 2021-03-17

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[54] **ENERGY STORAGE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE STOCKAGE D'ENERGIE**
[72] KENT, JEREME, US
[72] MOLLAYOUSEF, AMIR SOHRABI, US
[71] ONE ENERGY ENTERPRISES INC., US
[85] 2023-09-15
[86] 2022-03-09 (PCT/US2022/019504)
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[54] **SUBSTITUTED PYRIDINES AS DNMT1 INHIBITORS**
[54] **PYRIDINES SUBSTITUEES UTILES EN TANT QU'INHIBITEURS DE LA DNMT1**
[72] BENOWITZ, ANDREW B., GB
[72] FOSBENNER, DAVID T., US
[72] KING, BRYAN WAYNE, US
[72] ROMERIL, STUART PAUL, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2023-08-31
[86] 2022-02-24 (PCT/IB2022/051637)
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[30] US (63/155,325) 2021-03-02

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[54] **FILTRATION MEDIA**
[54] **MILIEU DE FILTRATION**
[72] WARD, ROBERT S., US
[72] MCCREA, KEITH R., US
[71] EXTHERA MEDICAL CORPORATION, US
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[86] 2022-03-31 (PCT/US2022/022748)
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[30] US (63/171,476) 2021-04-06

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[13] A1
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[25] EN
[54] **IN-LINE DUMPLING MOLDING SYSTEM**
[54] **SYSTEME DE MOULAGE DE BOULETTES DE PATE EN LIGNE**
[72] JANG, BONG JIN, KR
[72] KIM, SE JIN, KR
[72] JUNG, DA WOON, KR
[72] BAE, SOON SUK, KR
[72] KIM, SANG CHEOL, KR
[72] LEE, YONG GYU, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2023-08-31
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[25] EN
[54] **LOWER FOLDING DEVICE FOR FORMING DUMPLINGS**
[54] **DISPOSITIF DE PLIAGE INFERIEUR POUR FORMER DES RAVIOLIS CHINOIS**
[72] JANG, BONG JIN, KR
[72] JUNG, DA WOON, KR
[72] KIM, SE JIN, KR
[72] BAE, SOON SUK, KR
[72] KIM, SANG CHEOL, KR
[72] LEE, YONG GYU, KR
[71] CJ CHEILJEDANG CORPORATION, KR
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[54] **METHODS OF VACCINATION AND USE OF CD47 BLOCKADE**
[54] **METHODES DE VACCINATION ET UTILISATION D'UN BLOCAGE DE CD47**
[72] MANTING, ERIK HANS, NL
[72] SINGH, SATWINDER KAUR, NL
[72] ZUO, HAOXIAO, NL
[71] MENDUS B.V., NL
[85] 2023-08-31
[86] 2022-03-11 (PCT/IB2022/052211)
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[51] **Int.Cl. E21B 33/128 (2006.01) E21B 23/06 (2006.01) E21B 33/1295 (2006.01)**
[25] EN
[54] **EXPANDABLE METAL AS BACKUP FOR ELASTOMERIC ELEMENTS**
[54] **METAL EXPANSIBLE EN TANT QU'ELEMENT DE SECOURS POUR ELEMENTS ELASTOMERES**
[72] FRIPP, MICHAEL LINLEY, US
[72] GRECI, STEPHEN MICHAEL, US
[72] PELTO, CHRISTOPHER MICHAEL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2023-08-31
[86] 2021-04-12 (PCT/US2021/026890)
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[30] US (17/228,291) 2021-04-12

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[51] **Int.Cl. B60C 19/00 (2006.01) G01F 23/24 (2006.01) G01F 23/26 (2022.01)**
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[54] **LIQUID HEIGHT LEVEL DEVICE**
[54] **DISPOSITIF DE NIVEAU DE HAUTEUR DE LIQUIDE**
[72] HARONIAN, DAN, IL
[71] HARONIAN, DAN, IL
[85] 2023-08-31
[86] 2022-02-23 (PCT/IL2022/050213)
[87] (WO2022/185300)
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[51] **Int.Cl. G06F 21/32 (2013.01)**
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[54] **ADAPTIVE BIOMETRIC AUTHENTICATION**
[54] **AUTHENTIFICATION BIOMETRIQUE ADAPTATIVE**
[72] ROBERT JOSE, JEFFRY COPPS, IN
[72] AHER, ANKUR ANIL, IN
[71] ROVI GUIDES, INC., US
[85] 2023-08-31
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[25] EN
[54] **FOOD SOURCE FOR BIOLOGICAL CONTROL AGENTS AND METHODS THEREOF**
[54] **SOURCE D'ALIMENT POUR AGENTS DE LUTTE BIOLOGIQUE ET PROCEDES ASSOCIES**
[72] TABIC, ARNON, IL
[72] KATZ, TOM, IL
[72] STEINBERG, SHIMON, IL
[71] BIO-BEE SDE ELIYAHU LTD, IL
[85] 2023-08-31
[86] 2022-02-28 (PCT/IL2022/050222)
[87] (WO2022/185303)
[30] US (63/155,033) 2021-03-01

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[51] **Int.Cl. G06F 30/20 (2020.01)**
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[54] **SYSTEM AND METHODS FOR SIMULATION OF MEDICAL DEVICES**
[54] **SYSTEME ET PROCEDES DE SIMULATION DE DISPOSITIFS MEDICAUX**
[72] KENYON, ROSS, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2023-09-15
[86] 2022-03-31 (PCT/US2022/022842)
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[30] US (63/169,601) 2021-04-01

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[25] EN
[54] **HANDRAIL ASSEMBLY FOR A WORK MACHINE**
[54] **ENSEMBLE MAIN COURANTE DESTINE A UN ENGIN DE CHANTIER**
[72] DOWNIE, NICK, GB
[72] MCCRACKEN, MARK, GB
[72] LEAVER, ANDREW, GB
[71] ICL TECH LIMITED, GB
[85] 2023-09-15
[86] 2022-04-07 (PCT/GB2022/050867)
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[30] GB (2105104.0) 2021-04-09

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[51] **Int.Cl. C07K 1/107 (2006.01) C12P 21/02 (2006.01) G01N 30/72 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **BIOREACTIVE COMPOUNDS AND METHODS OF USE THEREOF**
[54] **COMPOSES BIOREACTIFS ET LEURS PROCEDES D'UTILISATION**
[72] WANG, LEI, US
[72] LIU, JUN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2023-08-31
[86] 2022-03-01 (PCT/US2022/018381)
[87] (WO2022/187273)
[30] US (63/155,222) 2021-03-01
[30] US (63/214,432) 2021-06-24

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[13] A1
[51] **Int.Cl. A23L 33/115 (2016.01) A23L 33/12 (2016.01) G16H 20/60 (2018.01) A61P 15/06 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING PERSONALIZED OMEGA-3 DOSE**
[54] **METHODE POUR DETERMINER UNE DOSE D'OMEGA-3 PERSONNALISEE**
[72] THAKKAR, SAGAR, SG
[72] SILVA ZOLEZZI, IRMA, SG
[72] DEVARAJ, SURABHI, SG
[72] HUANG, FANG, CN
[72] CHEN, JACKLYN RUILIN, SG
[72] DE CASTRO, CARLOS ANTONIO, SG
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2023-09-15
[86] 2022-05-09 (PCT/EP2022/062466)
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[30] EP (21173074.2) 2021-05-10

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[13] A1
[51] **Int.Cl. A61P 31/14 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **EZRIN PEPTIDE 1 FOR USE IN A METHOD OF TREATING POST COVID-19**
[54] **PEPTIDE D'EZRINE 1 DESTINE A ETRE UTILISE DANS UN PROCEDE DE TRAITEMENT DE SYNDROME POST-COVID-19**
[72] NESSELHUT, THOMAS, DE
[72] NESSELHUT, JAN, DE
[72] OSMERS, RUDIGER, DE
[71] PANTAPHARM AG, DE
[85] 2023-09-15
[86] 2022-03-31 (PCT/EP2022/058622)
[87] (WO2022/207818)
[30] EP (PCT/EP2021/058459) 2021-03-31
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[25] EN
[54] **MATERIALS AND METHODS FOR PROTEIN PRODUCTION**
[54] **SUBSTANCES ET PROCEDES POUR LA PRODUCTION DE PROTEINES**
[72] LI, XIN, US
[72] MAI, MICHELLE, US
[72] CHEN, YIMING, US
[72] VARADAN, RANJANI, US
[72] JIN, YI, US
[71] IMPOSSIBLE FOODS INC., US
[85] 2023-08-31
[86] 2022-03-01 (PCT/US2022/018395)
[87] (WO2022/187285)
[30] US (63/155,282) 2021-03-01
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[51] **Int.Cl. C07C 37/14 (2006.01) C07C 37/16 (2006.01) C07C 37/18 (2006.01) C07C 39/17 (2006.01) C07C 67/31 (2006.01) C07C 69/34 (2006.01)**
[25] EN
[54] **CHEMICAL PROCESS**
[54] **PROCEDE CHIMIQUE**
[72] STAIGER, ROMAN, CH
[72] BEAUDEGNIES, RENAUD, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2023-09-15
[86] 2022-03-25 (PCT/EP2022/057941)
[87] (WO2022/200579)
[30] GB (2104286.6) 2021-03-26

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[51] **Int.Cl. C12N 15/86 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE DELIVERY OF RETROVIRAL PARTICLES**
[54] **PROCEDES ET COMPOSITIONS POUR L'ADMINISTRATION DE PARTICULES RETROVIRALES**
[72] FROST, GREGORY IAN, US
[72] VIGANT, FREDERIC, US
[72] KUNDU, ANIRBAN, US
[72] HENKELMAN, JOHN R., III, US
[72] KERKAR, SIDHARTH, US
[72] SCHREIBER, GREGORY, US
[71] EXUMA BIOTECH CORP., US
[85] 2023-08-31
[86] 2022-03-01 (PCT/US2022/018404)
[87] (WO2022/187289)
[30] US (63/200,329) 2021-03-01
[30] US (PCT/US2021/020922) 2021-03-04
[30] US (63/197,315) 2021-06-04
[30] US (PCT/US2021/048532) 2021-08-31
[30] US (63/261,099) 2021-09-10

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[51] **Int.Cl. F16H 57/037 (2012.01) F16H 48/40 (2012.01) F16H 57/023 (2012.01) F16H 48/14 (2006.01) F16H 55/10 (2006.01)**
[25] EN
[54] **DISCONNECTING ELECTRIC DRIVE UNIT**
[54] **DECONNEXION D'UNE UNITE D'ENTRAINEMENT ELECTRIQUE**
[72] VALENTE, PAUL J., US
[72] BALENDA II, JOSEPH S., US
[71] AMERICAN AXLE & MANUFACTURING, INC., US
[85] 2023-09-15
[86] 2022-03-15 (PCT/US2022/020295)
[87] (WO2022/197645)
[30] US (63/161,608) 2021-03-16

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[25] EN
[54] **SEMENOGELIN NEUTRALIZING ANTIBODY AND EPITOPE AND APPLICATION THEREOF**
[54] **ANTICORPS NEUTRALISANT LA SEMENOGELINE, EPITOPE ET LEUR UTILISATION**
[72] XU, JIE, CN
[72] SUN, YUFAN, CN
[72] ZHONG, JIAMENG, CN
[72] ZHAO, XUEHUA, CN
[71] SHANGHAI BIOTROY BIOTECHNIQUE CO., LTD., CN
[85] 2023-09-15
[86] 2022-03-08 (PCT/CN2022/079756)
[87] (WO2022/193993)
[30] CN (202110280166.3) 2021-03-16

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[13] A1
[51] **Int.Cl. A61K 35/34 (2015.01) A61K 31/436 (2006.01) A61P 9/10 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **IMMUNOSUPPRESSIVE THERAPIES FOR USE WITH CARDIOMYOCYTE CELL THERAPIES, AND ASSOCIATED METHODS AND COMPOSITIONS**
[54] **THERAPIES IMMUNOSUPPRESSIVES DESTINEES A ETRE UTILISEES AVEC DES THERAPIES CELLULAIRES A BASE DE CARDIOMYOCYTES, ET METHODES ET COMPOSITIONS ASSOCIEES**
[72] THIES, ROBERT SCOTT, US
[72] MURRY, CHARLES E., US
[71] SANA BIOTECHNOLOGY, INC., US
[85] 2023-08-31
[86] 2022-03-02 (PCT/US2022/018545)
[87] (WO2022/187379)
[30] US (63/155,946) 2021-03-03

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[13] A1
[51] **Int.Cl. C08L 1/02 (2006.01)**
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[54] **DISSOLUTION METHOD**
[54] **PROCEDE DE DISSOLUTION**
[72] COCKROFT, MARTIN RICHARD, GB
[72] FISHER, LUKE, GB
[71] FUTAMURA CHEMICAL UK LIMITED, GB
[85] 2023-09-15
[86] 2022-03-17 (PCT/EP2022/056934)
[87] (WO2022/200158)
[30] GB (2104273.4) 2021-03-26

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) G08B 13/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC IDENTIFICATION OF A SURGICAL TRAY AND THE ITEMS CONTAINED THEREON**
[54] **SYSTEMES ET PROCEDES POUR L'IDENTIFICATION DYNAMIQUE D'UN PLATEAU CHIRURGICAL ET DES ARTICLES CONTENUS SUR CELUI-CI**
[72] DONNELLY, TIMOTHY, US
[72] GREENMAN, SIMON, GB
[72] BANASINSKI, PIOTR, PL
[71] ORTELLIGENCE, INC., US
[71] DONNELLY, TIMOTHY, US
[71] GREENMAN, SIMON, GB
[71] BANASINSKI, PIOTR, PL
[85] 2023-09-15
[86] 2022-03-14 (PCT/US2022/020125)
[87] (WO2022/197587)
[30] US (63/161,270) 2021-03-15

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **USE OF PROTOCADHERINS IN METHODS OF DIAGNOSING AND TREATING CANCER**
[54] **UTILISATION DE PROTOCADHERINES DANS DES METHODES DE DIAGNOSTIC ET DE TRAITEMENT DU CANCER**
[72] WEST, MICHAEL D., US
[71] REVERSE BIOENGINEERING, INC., US
[85] 2023-08-31
[86] 2022-03-02 (PCT/US2022/018556)
[87] (WO2022/187386)
[30] US (63/155,631) 2021-03-02
[30] US (63/274,731) 2021-11-02

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[13] A1
[51] **Int.Cl. A61K 35/50 (2015.01) A61K 9/00 (2006.01) C07D 311/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MODULATING EPITHELIAL-MESENCHYMAL TRANSITION**
[54] **COMPOSITIONS ET METHODES DE MODULATION DE LA TRANSITION EPITHELIO-MESENCHYMATEUSE**
[72] LEVY, BRIAN, US
[72] GREEN, COLIN RICHARD, NZ
[72] MUGISHO, ODUNAYO OMOLOLA BOLUWARIN, NZ
[71] AUCKLAND UNISERVICES LIMITED, NZ
[71] INFLAMMX THERAPEUTICS, INC., US
[85] 2023-08-31
[86] 2022-03-02 (PCT/US2022/018557)
[87] (WO2022/187387)
[30] NZ (773493) 2021-03-02

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[13] A1
[25] EN
[54] **DEVICE FOR SCANNING DATA MATRIX CODES**
[54] **DISPOSITIF DE BALAYAGE DE CODES MATRICIELS DE DONNEES**
[72] KOLB, JULIAN THIEMO, DE
[72] SIEGLER, MARCO, DE
[72] BLUMEL, ANDRE, DE
[71] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON, CH
[85] 2023-09-15
[86] 2022-03-24 (PCT/EP2022/057827)
[87] (WO2022/200527)
[30] DE (10 2021 001 523.1) 2021-03-24

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[13] A1
[51] **Int.Cl. A61K 51/10 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **PERIOPERATIVE INNATE IMMUNE PRIMING IN CANCER THERAPY**
[54] **PRIMO-IMMUNISATION INNEE PERI-OPERATOIRE DANS LE TRAITEMENT DU CANCER**
[72] GUNN, HAROLD DAVID, CA
[72] KALYAN, SHIRIN, CA
[72] KENNEDY, MICHAEL ALEX ANDER, CA
[72] AUER, REBECCA ANN CRAUFURD, CA
[72] DE SOUZA, CHRISTIANO TANESE, CA
[72] LAU, TING TING ALICE, CA
[71] QU BIOLOGICS INC., CA
[85] 2023-09-15
[86] 2022-03-23 (PCT/CA2022/050437)
[87] (WO2022/198322)
[30] US (63/165,539) 2021-03-24

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[13] A1
[51] **Int.Cl. A61K 38/39 (2006.01) A61K 48/00 (2006.01) A61P 17/02 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS USED TO MODIFY CHROMATIN ARCHITECTURE TO REGULATE PHENOTYPE IN AGING AND CANCER**
[54] **PROCEDES ET COMPOSITIONS UTILISES POUR MODIFIER L'ARCHITECTURE DE LA CHROMATINE POUR REGULER LE PHENOTYPE DANS LE VIEILLISSEMENT ET LE CANCER**
[72] WEST, MICHAEL D., US
[71] REVERSE BIOENGINEERING, INC., US
[85] 2023-08-31
[86] 2022-03-02 (PCT/US2022/018563)
[87] (WO2022/187391)
[30] US (63/155,628) 2021-03-02
[30] US (63/274,734) 2021-11-02

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[13] A1
[51] **Int.Cl. A61K 47/62 (2017.01) A61K 47/68 (2017.01)**
[25] EN
[54] **T-CELL MODULATORY POLYPEPTIDES AND METHODS OF USE THEREOF**
[54] **POLYPEPTIDES MODULATEURS DE LYMPHOCYTES T ET METHODES D'UTILISATION**
[72] SEIDEL III, RONALD D., US
[72] CHAPARRO, RODOLFO J., US
[72] ROSS, JOHN F., US
[72] CEMERSKI, SASO, US
[71] CUE BIOPHARMA, INC., US
[85] 2023-09-15
[86] 2022-03-17 (PCT/US2022/020819)
[87] (WO2022/197971)
[30] US (63/163,270) 2021-03-19

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0215 (2006.01)**
[25] EN
[54] **SHUNT IMPLANT DEVICES WITH OFFSET SENSOR ARMS**
[54] **DISPOSITIFS D'IMPLANT DE DERIVATION AVEC BRAS DE CAPTEUR DECALES**
[72] VALDEZ, MICHAEL G., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-08-31
[86] 2022-03-03 (PCT/US2022/018757)
[87] (WO2022/197455)
[30] US (63/161,356) 2021-03-15

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[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR PRECOOLING IN HYDROGEN OR HELIUM LIQUEFACTION PROCESSING**
[54] **SYSTEME ET PROCEDE DE PREREFROIDISSEMENT DANS UN TRAITEMENT DE LIQUEFACTION D'HYDROGENE OU D'HELIUM**
[72] MOSTELLO, ROBERT A., US
[71] AIR WATER GAS SOLUTIONS, INC., US
[85] 2023-09-15
[86] 2022-03-10 (PCT/US2022/019734)
[87] (WO2022/197526)
[30] US (63/207,684) 2021-03-15

[21] **3,212,386**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 35/15 (2015.01) A61K 35/17 (2015.01)**
[25] EN
[54] **FERRITIN VARIANTS WITH INCREASED STABILITY AND COMPLEXATION ABILITY**
[54] **VARIANTS DE FERRITINE AYANT UNE STABILITE ET UNE CAPACITE DE COMPLEXATION ACCRUES**
[72] ARCOVITO, ALESSANDRO, IT
[72] BONAMORE, ALESSANDRA, IT
[72] BOFFI, ALBERTO, IT
[72] MARSZALEK, ILONA, PL
[72] SKORZYNSKI, MARCIN, PL
[72] RYGIEL, TOMASZ, PL
[72] KROL, MAGDALENA, PL
[71] CELLIS AG, CH
[85] 2023-09-15
[86] 2022-03-18 (PCT/EP2022/057205)
[87] (WO2022/195092)
[30] EP (PCT/EP2021/056996) 2021-03-18

[21] **3,212,387**
[13] A1
[25] EN
[54] **VACCINE COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS VACCINALES ET LEURS METHODES D'UTILISATION**
[72] MERTINS, BARBARA, US
[72] FOLLIARD, THOMAS, US
[72] MAGER, IMRE, US
[71] EXCEPGEN INC., US
[85] 2023-09-15
[86] 2022-03-17 (PCT/US2022/020774)
[87] (WO2022/197940)
[30] US (63/162,496) 2021-03-17

[21] **3,212,388**
[13] A1
[51] **Int.Cl. C07D 498/10 (2006.01) C07D 498/04 (2006.01) C07D 498/14 (2006.01) C07K 5/02 (2006.01)**
[25] EN
[54] **MACROCYCLES AS CFTR MODULATORS**
[54] **MACROCYCLES EN TANT QUE MODULATEURS DE CFTR**
[72] BOLLI, MARTIN, CH
[72] BROTSCHI, CHRISTINE, CH
[72] COMMANDEUR, MALGORZATA, NL
[72] GATFIELD, JOHN, CH
[72] KIMMERLIN, THIERRY, CH
[72] SIENDT, HERVE, CH
[72] SPRINGER, JASPER, NL
[72] WAGNER, CLEMENS, NL
[72] WEGERT, ANITA, NL
[72] WILLIAMS, JODI T., CH
[71] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2023-09-15
[86] 2021-07-12 (PCT/EP2021/069292)
[87] (WO2022/194399)
[30] EP (PCT/EP2021/056724) 2021-03-16

[21] **3,212,389**
[13] A1
[51] **Int.Cl. A47L 11/30 (2006.01)**
[25] EN
[54] **SURFACE TREATMENT TOOL**
[54] **OUTIL DE TRAITEMENT DE SURFACE**
[72] KILLI, IMRE, GB
[71] DEXTRON TECHNOLOGY LTD, GB
[85] 2023-09-15
[86] 2022-03-25 (PCT/GB2022/050754)
[87] (WO2022/200807)
[30] GB (2104339.3) 2021-03-26
[30] GB (2116316.7) 2021-11-12
[30] GB (2116320.9) 2021-11-12
[30] GB (2116319.1) 2021-11-12
[30] GB (2116318.3) 2021-11-12
[30] GB (2116317.5) 2021-11-12

[21] **3,212,391**
[13] A1
[25] EN
[54] **PATCHES FOR LOCALIZED USE**
[54] **TIMBRES A USAGE LOCALISE**
[72] SHACHAF, CATHERINE, US
[71] ORLUCENT, INC., US
[85] 2023-09-15
[86] 2022-03-23 (PCT/US2022/021470)
[87] (WO2022/204234)
[30] US (63/164,618) 2021-03-23

[21] **3,212,392**
[13] A1
[51] **Int.Cl. A01H 6/28 (2018.01) C12Q 1/6895 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MODULATED DAY-LENGTH SENSITIVE CANNABIS PLANTS, GENES, MARKERS, AND BREEDING**
[54] **PLANTS DE CANNABIS SENSIBLES A LA PHOTOPERIODE MODULEE, GENES, MARQUEURS ET SELECTION**
[72] BARRERA, DANIEL, US
[72] CRISWELL, ADAM, US
[72] DE FRIEL, JOHN, US
[72] MYRVOLD, JON, US
[71] CENTRAL COAST AGRICULTURE, INC., US
[85] 2023-09-15
[86] 2022-04-28 (PCT/US2022/071972)
[87] (WO2022/232811)
[30] US (63/182,725) 2021-04-30
[30] US (63/235,309) 2021-08-20

[21] **3,212,396**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2023.01)**
[25] EN
[54] **SYSTEM, METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT FOR PERSONA BASED GIFT SEARCHES FOR ALL OCCASIONS**
[54] **SYSTEME, PROCEDE, APPAREIL ET PRODUIT-PROGRAMME INFORMATIQUE DESTINES A LA RECHERCHE DE CADEAUX EN FONCTION DE LA PERSONNALITE POUR TOUTES LES OCCASIONS**
[72] RICHARDS, CARL ANTHONY, US
[71] RICHARDS, CARL ANTHONY, US
[85] 2023-09-15
[86] 2021-04-15 (PCT/US2021/027379)
[87] (WO2022/220829)

[21] **3,212,397**
[13] A1
[51] **Int.Cl. B07B 1/22 (2006.01) B03B 5/56 (2006.01) B60B 9/28 (2006.01)**
[25] EN
[54] **MINE MATERIAL PROCESSING APPARATUS INCLUDING GAS SPRING WHEEL ASSEMBLIES AND RELATED METHODS**
[54] **APPAREIL DE TRAITEMENT DE MATERIAU MINIER COMPRENANT DES ENSEMBLES ROUES A RESSORTS A GAZ ET PROCEDES ASSOCIES**
[72] KEMENY, ZOLTAN, US
[71] GACW INCORPORATED, US
[85] 2023-09-15
[86] 2022-03-14 (PCT/US2022/020142)
[87] (WO2022/197592)
[30] US (63/162,241) 2021-03-17
[30] US (17/693,375) 2022-03-13

[21] **3,212,398**
[13] A1
[51] **Int.Cl. A61K 35/15 (2015.01) C07K 14/705 (2006.01)**
[25] EN
[54] **ENGINEERED CHIMERIC FUSION PROTEIN COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE PROTEINES DE FUSION CHIMERIQUES MODIFIEES ET LEURS METHODES D'UTILISATION**
[72] GETTS, DANIEL, US
[72] WANG, YUXIAO, US
[71] MYELOID THERAPEUTICS, INC., US
[85] 2023-09-15
[86] 2022-03-17 (PCT/US2022/020787)
[87] (WO2022/197949)
[30] US (63/162,352) 2021-03-17
[30] US (63/172,922) 2021-04-09
[30] US (63/255,540) 2021-10-14
[30] US (63/243,947) 2021-09-14

[21] **3,212,399**
[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01)**
[25] EN
[54] **INHALER WITH AN ADHERENCE / COMPLIANCE MONITOR**
[54] **INHALATEUR DOTE D'UN DISPOSITIF DE SURVEILLANCE D'ADHERENCE/DE CONFORMITE**
[72] SMITH, PHILIP, GB
[72] SWANBURY, PHILIP, GB
[72] MELINIOTIS, ANDREAS, GB
[72] MORRIS, DANNY, GB
[72] DUNKLEY, JACK, GB
[72] HEYNES, MARK, GB
[71] VECTURA DELIVERY DEVICES LIMITED, GB
[85] 2023-09-15
[86] 2022-05-16 (PCT/EP2022/063134)
[87] (WO2022/243220)
[30] EP (21174149.1) 2021-05-17

[21] **3,212,400**
[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) G16H 20/13 (2018.01)**
[25] EN
[54] **ADHERENCE MONITOR FOR A DRY POWDER INHALER**
[54] **DISPOSITIF DE SURVEILLANCE D'ADHERENCE POUR INHALATEUR DE POUDRE SECHE**
[72] COTTON, DARRYL, GB
[71] VECTURA DELIVERY DEVICES LIMITED, GB
[85] 2023-09-15
[86] 2022-05-16 (PCT/EP2022/063133)
[87] (WO2022/243219)
[30] EP (21174144.2) 2021-05-17

[21] **3,212,403**
[13] A1
[51] **Int.Cl. G06N 10/00 (2022.01) G06N 10/40 (2022.01) H01L 29/12 (2006.01) H01L 29/772 (2006.01)**
[25] EN
[54] **QUANTUM RANDOM NUMBER GENERATOR**
[54] **GENERATEUR DE NOMBRES ALEATOIRES QUANTIQUES**
[72] WOLKOW, ROBERT A., CA
[72] ACHAL, ROSHAN, CA
[72] LIVADARU, LUCIAN, CA
[71] QUANTUM SILICON INC., CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[85] 2023-09-15
[86] 2022-03-18 (PCT/CA2022/050410)
[87] (WO2022/193025)
[30] US (63/163,182) 2021-03-19

[21] **3,212,404**
[13] A1
[51] **Int.Cl. B60B 9/20 (2006.01)**
[25] EN
[54] **WHEEL ASSEMBLY INCLUDING INBOARD SIDE OUTER RIM COUPLED RING DEFINING A MECHANICAL STOP AND RELATED METHODS**
[54] **ENSEMBLE ROUE COMPRENANT UNE BAGUE ACCOUPLEE AU CERCLAGE EXTERIEUR DU COTE INTERNE DELIMITANT UNE BUTEE MECANIQUE ET PROCEDES ASSOCIES**
[72] KEMENY, ZOLTAN, US
[71] GACW INCORPORATED, US
[85] 2023-09-15
[86] 2022-03-14 (PCT/US2022/020137)
[87] (WO2022/197588)
[30] US (63/162,251) 2021-03-17
[30] US (17/693,376) 2022-03-13

[21] **3,212,406**
[13] A1
[51] **Int.Cl. D06M 15/15 (2006.01)**
[25] EN
[54] **SILK COATED SYNTHETIC FABRICS**
[54] **TISSUS SYNTHETIQUES REVETUS DE SOIE**
[72] FEI, XIUZHU, US
[72] MORTARINO, ENRICO, US
[72] ALTMAN, GREGORY H., US
[72] MUOLLO, LAURA, US
[72] TONGA, MURAT, US
[72] DAVIS, JOSHUA, US
[71] EVOLVED BY NATURE, INC., US
[85] 2023-09-15
[86] 2022-03-16 (PCT/US2022/020651)
[87] (WO2022/197871)
[30] US (63/161,929) 2021-03-16
[30] US (63/319,765) 2022-03-14

[21] **3,212,407**
[13] A1
[25] EN
[54] **SYSTEM AND METHODS FOR AUTOMATED COLLECTION, AGGREGATION, DISTRIBUTION, DISPLAY, AND RECORDING OF ALERT RELATED INFORMATION**
[54] **SYSTEME ET PROCEDES DE COLLECTE, D'AGREGATION, DE DISTRIBUTION, D'AFFICHAGE ET D'ENREGISTREMENT AUTOMATIQUES D'INFORMATIONS ASSOCIEES A DES ALERTES**
[72] BRYCZKOWSKI, KRZYSZTOF, US
[72] DASCALU, OVIDIU, US
[72] NOBLE, PAUL, US
[71] ACTIVU CORPORATION, US
[85] 2023-09-15
[86] 2022-03-15 (PCT/US2022/071152)
[87] (WO2022/198199)
[30] US (63/161,529) 2021-03-16

[21] **3,212,408**
[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C07K 16/28 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTIBODIES AGAINST INTEGRIN HETERODIMERS AND USES THEREOF**
[54] **ANTICORPS CONTRE DES HETERODIMERES D'INTEGRINE ET LEURS UTILISATIONS**
[72] SIDHU, SACHDEV S., CA
[72] GALLO, EUGENIO, CA
[72] ADAMS, JARRETT J., CA
[72] BLAZER, LEVI LYNN, CA
[72] CARDARELLI, RODILIA, CA
[72] KELIL, ABDELLALI, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSTIY OF TORONTO, CA
[85] 2023-09-15
[86] 2022-03-08 (PCT/IB2022/052070)
[87] (WO2022/189978)
[30] US (63/158,769) 2021-03-09

[21] **3,212,409**
[13] A1
[51] **Int.Cl. G01N 21/71 (2006.01) B07B 13/14 (2006.01)**
[25] EN
[54] **SYSTEM FOR THE ONLINE SORTING OF ORE SAMPLES BASED ON A MINERALOGY ANALYSIS**
[54] **SYSTEME DE TRI EN LIGNE D'ECHANTILLONS DE MINERAI EN FONCTION D'UNE ANALYSE MINERALOGIQUE**
[72] SABSABI, MOHAMAD, CA
[72] GAGNON, DANIEL, CA
[72] BOUCHARD, PAUL, CA
[72] HARHIRA, AISSA, CA
[72] SOARES DE LIMA FILHO, ELTON, CA
[72] VANIER, FRANCIS, CA
[72] EL HADDAD, JOSETTE, CA
[72] BLOUIN, ALAIN, CA
[72] PADIOLEAU, CHRISTIAN, CA
[72] HAMEL, ANTOINE, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2023-09-15
[86] 2021-10-14 (PCT/CA2021/051444)
[87] (WO2022/192982)
[30] US (63/163,292) 2021-03-19

[21] **3,212,410**
[13] A1
[51] **Int.Cl. A41D 19/00 (2006.01) A61B 42/10 (2016.01) A41D 19/04 (2006.01) C08J 3/03 (2006.01) C08J 7/04 (2020.01) C08K 11/00 (2006.01) C08L 83/04 (2006.01) C09J 183/04 (2006.01)**
[25] EN
[54] **ELASTOMERIC RUBBER GLOVES WITH IMPROVED SKIN HYDRATION CHARACTERISTICS**
[54] **GANTS EN CAOUTCHOUC ELASTOMERE PRESENTANT DES CARACTERISTIQUES AMELIOREES D?HYDRATATION DE LA PEAU**
[72] MATHEW, MONICHAN PUTHUVELIL, MY
[72] NAIR, SHONIA, MY
[72] KELLS, ANDREW, MY
[71] YTY INDUSTRY SDN BHD, MY
[85] 2023-09-15
[86] 2022-03-18 (PCT/MY2022/050017)
[87] (WO2022/220672)
[30] US (63/174,987) 2021-04-14

[21] **3,212,411**
[13] A1
[51] **Int.Cl. G06F 17/12 (2006.01) G06N 99/00 (2019.01)**
[25] EN
[54] **SOLVER APPARATUS AND PROGRAM**
[54] **RESOLVEUR ET PROGRAMME**
[72] SUZUKI, MASARU, JP
[71] KABUSHIKI KAISHA TOSHIBA, JP
[71] TOSHIBA DIGITAL SOLUTIONS CORPORATION, JP
[85] 2023-09-15
[86] 2022-03-16 (PCT/JP2022/012072)
[87] (WO2022/196739)
[30] JP (2021-043184) 2021-03-17

[21] **3,212,412**
[13] A1
[51] **Int.Cl. F16B 21/06 (2006.01)**
[25] EN
[54] **FIXING SYSTEM OF A WEAR ELEMENT IN A SUPPORT ELEMENT OF AN EARTH MOVING MACHINE THROUGH A PIN, AND A RETAINER**
[54] **SYSTEME DE FIXATION D'UN ELEMENT D'USURE DANS UN ELEMENT DE SUPPORT D'UN ENGIN DE TERRASSEMENT PAR L'INTERMEDIAIRE D'UNE BROCHE, ET DISPOSITIF DE RETENUE**
[72] ROL CORREDOR, JAVIER, ES
[72] PICON MANJON, FRANCESC, ES
[72] MARTINEZ MANE, ANGEL, ES
[72] MARQUEZ LLINAS, JORDI, ES
[72] PEREZ SORIA, FRANCISCO, ES
[71] METALOGENIA RESEARCH & TECHNOLOGIES S.L., ES
[85] 2023-09-15
[86] 2022-03-22 (PCT/EP2022/057545)
[87] (WO2022/200383)
[30] EP (21382226.5) 2021-03-22

[21] **3,212,413**
[13] A1
[51] **Int.Cl. A61B 17/08 (2006.01) A61B 17/122 (2006.01)**
[25] EN
[54] **LEFT ATRIAL APPENDAGE CLOSURE DEVICE WITH CATHETER-BASED DELIVERY**
[54] **DISPOSITIF DE FERMETURE D'APPENDICE AURICULAIRE GAUCHE AVEC POSE A BASE DE CATHETER**
[72] SLAUGHTER, MARK, US
[72] GIRIDHARAN, GURUPRASAD, US
[72] SOBIESKI, MICHAEL, US
[72] MONREAL, GRETEL, US
[72] KOENIG, STEVEN, US
[72] JIMINEZ, JORGE, US
[72] TOMPKINS, LANDON, US
[71] UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC., US
[85] 2023-09-15
[86] 2022-03-17 (PCT/US2022/020710)
[87] (WO2022/197897)
[30] US (63/162,274) 2021-03-17

[21] **3,212,414**
[13] A1
[51] **Int.Cl. C08G 8/10 (2006.01) C08G 8/24 (2006.01) C08G 8/38 (2006.01)**
[25] EN
[54] **COMPOSITION OF CELLULOSE NANOCRYSTALS AND CARBOXYMETHYL CELLULOSE**
[54] **COMPOSITION DE NANOCRISTAUX DE CELLULOSE ET DE CARBOXYMETHYLCELLULOSE**
[72] MOON, ROBERT JOHN, US
[72] SCHUENEMAN, GREGORY T., US
[72] YOUNGBLOOD, JEFFREY PAUL, US
[72] EL AWAD AZRAK, SAMI MIGUEL, US
[71] PURDUE RESEARCH FOUNDATION, US
[71] UNITED STATES, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US
[85] 2023-09-15
[86] 2022-03-15 (PCT/US2022/020386)
[87] (WO2022/197704)
[30] US (63/160,956) 2021-03-15

[21] **3,212,415**
[13] A1
[51] **Int.Cl. A45C 5/14 (2006.01) A45C 13/26 (2006.01)**
[25] EN
[54] **LUGGAGE WITH CONTAINER RECEPTACLES**
[54] **BAGAGE DOTE DE LOGEMENTS A CONTENANT**
[72] LESPERANCE, JEFFERY BARON, US
[71] CIPO, CA
[71] LESPERANCE, JEFFERY BARON, US
[85] 2023-09-15
[86] 2022-04-04 (PCT/US2022/023276)
[87] (WO2022/212941)
[30] US (63/170,429) 2021-04-02

[21] **3,212,416**
[13] A1
[51] **Int.Cl. F16C 31/02 (2006.01)**
[25] EN
[54] **QUICK CONNECT SHOWER HEAD**
[54] **POMME DE DOUCHE A RACCORDEMENT RAPIDE**
[72] BROWN, SPENCER BRISLIN, US
[72] TRACY, ADAM WILLIAM, US
[72] ROMERO, OSCAR, US
[72] DOWNEY, DAVID, US
[72] CALLAHAN, BRADLEY WARREN, US
[72] ZHENG, JIANFEI, US
[72] DOAN, TUAN MINH, US
[72] GORKOVENKO, ELENA, US
[72] VAN LEYEN, JAN CHRISTOPHER, US
[71] SPECTRUM BRANDS, INC., US
[85] 2023-09-15
[86] 2022-03-18 (PCT/US2022/020971)
[87] (WO2022/198060)
[30] US (63/163,354) 2021-03-19
[30] CN (202210236343.2) 2022-03-11

[21] **3,212,417**
[13] A1
[51] **Int.Cl. C07K 14/61 (2006.01) A61K 47/50 (2017.01) A61K 47/56 (2017.01) A61K 47/60 (2017.01) A61K 47/64 (2017.01) A61P 1/16 (2006.01)**
[25] EN
[54] **USE OF LONG-ACTING GROWTH HORMONE FOR TREATING INFLAMMATION-INDUCED DISEASES**
[54] **UTILISATION D'UNE HORMONE DE CROISSANCE A ACTION PROLONGEE POUR LE TRAITEMENT DE MALADIES INDUITES PAR UNE INFLAMMATION**
[72] SPROGOE, KENNETT, DK
[72] KJELGAARD-HANSEN, MADS JENS, DK
[72] ZOIS, NORA ELISABETH, DK
[72] TUXEN POULSEN, THOMAS, DK
[72] YANG-MALTEN, YANG, DK
[71] ASCENDIS PHARMA A/S, DK
[85] 2023-09-15
[86] 2022-03-31 (PCT/EP2022/058584)
[87] (WO2022/207798)
[30] EP (21166699.5) 2021-04-01

[21] **3,212,419**
[13] A1
[51] **Int.Cl. C07D 417/12 (2006.01) A01N 43/78 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING ENANTIOMERICALLY ENRICHED 2-[2-(2-CHLOROTHIAZOL-5-YL)-2-HYDROXY-ETHYL]SULFANYL-6-HYDROXY-3-METHYL-5-PHENYL-PYRIMIDIN-4-ONE BY HYDROGENATION OF THE 2-OXO DERIVATIVE IN THE PRESENCE OF A CHIRAL TRANSITION METAL CATALYS**
[54] **PROCEDE DE PREPARATION DE 2-[2-(2-CHLOROTHIAZOL-5-YL)-2-HYDROXY-ETHYL]SULFANYL-6-HYDROXY-3-METHYL-5-PHENYL-PYRIMIDIN-4-ONE ENRICHIE EN ENANTIOMERES PAR HYDROGENATION DU DERIVE 2-OXO EN PRESENCE D?UN CATALYSEUR A BASE D?UN METAL DE TRANSITION CHIRA**
[72] MCLAUGHLIN, MARTIN JOHN, CH
[72] KORADIN, CHRISTOPHER, DE
[72] KADUSKAR, RAHUL, IN
[72] SHINDE, HARISH, IN
[72] GOETZ, ROLAND, DE
[71] BASF SE, DE
[85] 2023-09-15
[86] 2022-03-25 (PCT/EP2022/057968)
[87] (WO2022/200594)
[30] EP (21164908.2) 2021-03-25

[21] **3,212,421**
[13] A1
[51] **Int.Cl. C07K 16/44 (2006.01) A61K 38/00 (2006.01) A61K 48/00 (2006.01) A61P 21/00 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING SKELETAL MUSCLE DISEASE**
[54] **COMPOSITIONS ET PROCEDES DE TRAITEMENT D'UNE MALADIE DU MUSCLE SQUELETTIQUE**
[72] QUIJANO, ELIAS, US
[72] GLAZER, PETER, US
[72] TURNER, BRUCE C., US
[72] SQUINTO, STEPHEN, US
[71] YALE UNIVERSITY, US
[71] GENNAO BIO, INC., US
[85] 2023-08-31
[86] 2022-03-03 (PCT/US2022/018780)
[87] (WO2022/187543)
[30] US (63/156,060) 2021-03-03
[30] US (63/297,504) 2022-01-07

[21] **3,212,422**
[13] A1
[51] **Int.Cl. H01L 23/367 (2006.01) H01Q 1/40 (2006.01) H01Q 15/24 (2006.01)**
[25] EN
[54] **CAVITY RESONANCE SUPPRESSION USING DISCRETE THERMAL PEDESTALS IN ACTIVE ELECTRONICALLY SCANNED ARRAY**
[54] **SUPPRESSION DE RESONANCE DE CAVITE A L'AIDE DE SOCLES THERMIQUES DISCRETS DANS UN RESEAU ACTIF A BALAYAGE ELECTRONIQUE**
[72] BUCKLEY, MICHAEL, US
[72] WALTER, TOM, US
[72] KOMANDURI, VARADA RAJAN, US
[72] BHOWMIK, LAL MOHAN, US
[72] LU, BINGQIAN, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2023-09-15
[86] 2022-03-31 (PCT/US2022/071452)
[87] (WO2022/213096)
[30] US (63/169,770) 2021-04-01
[30] US (63/266,262) 2021-12-30
[30] US (17/657,340) 2022-03-30

[21] **3,212,424**
[13] A1
[25] EN
[54] **OPTICAL PRESSURE SENSOR**
[54] **CAPTEUR DE PRESSION OPTIQUE**
[72] PIERRE, GARBO, IT
[72] ZANONI, ANDREA, IT
[72] LAVATELLI, ALBERTO, IT
[72] QUARANTA, GIUSEPPE, IT
[71] POLITECNICO DI MILANO, IT
[85] 2023-09-15
[86] 2022-03-08 (PCT/IB2022/052048)
[87] (WO2022/208193)
[30] IT (102021000007781) 2021-03-30

[21] **3,212,425**
[13] A1
[51] **Int.Cl. G06Q 20/02 (2012.01) G06Q 20/32 (2012.01) G06Q 20/36 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PAYMENT DEVICE ISSUANCE, LIFECYCLE MANAGEMENT, AND USE**
[54] **SYSTEME ET PROCEDE D'EMISSION DE DISPOSITIF DE PAIEMENT, DE GESTION DE CYCLE DE VIE ET D'UTILISATION**
[72] NOAH, MOHAMED, US
[72] JAVED, ABDULLAH, US
[72] SMITH, DAN COHEN, US
[72] CHEUNG, TIMOTHY, US
[72] LIU, WANPENG, US
[71] JPMORGAN CHASE BANK, N.A., US
[85] 2023-09-15
[86] 2022-03-18 (PCT/US2022/071219)
[87] (WO2022/198237)
[30] US (63/162,967) 2021-03-18

[21] **3,212,426**
[13] A1
[51] **Int.Cl. H01L 23/367 (2006.01) H01Q 15/24 (2006.01)**
[25] EN
[54] **CAVITY RESONANCE SUPPRESSION USING THERMAL PEDESTAL ARRANGEMENTS IN ACTIVE ELECTRONICALLY SCANNED ARRAY**
[54] **SUPPRESSION DE RESONANCE DE CAVITE A L'AIDE D'AGENCEMENTS DE SOCLES THERMIQUES DANS UN RESEAU ACTIF A BALAYAGE ELECTRONIQUE**
[72] BUCKLEY, MICHAEL, US
[72] WALTER, TOM, US
[72] KOMANDURI, VARADA RAJAN, US
[72] BHOWMIK, LAL MOHAN, US
[71] HUGHES NETWOK SYSTEMS, LLC, US
[85] 2023-09-15
[86] 2022-03-31 (PCT/US2022/071453)
[87] (WO2022/213097)
[30] US (63/169,770) 2021-04-01
[30] US (63/266,262) 2021-12-30
[30] US (17/657,342) 2022-03-30

[21] **3,212,427**
[13] A1
[51] **Int.Cl. H02P 25/03 (2016.01) F03D 9/25 (2016.01) H02K 7/18 (2006.01) H02K 16/00 (2006.01) H02K 19/10 (2006.01) H02P 9/48 (2006.01) H02P 21/00 (2016.01) H02P 21/04 (2006.01)**
[25] EN
[54] **WIRELESSLY TRANSFERRING POWER WITHIN AN ELECTRIC MACHINE HAVING AC AND DC ROTOR COILS**
[54] **TRANSFERT SANS FIL DE PUISSANCE A L'INTERIEUR D'UNE MACHINE ELECTRIQUE AYANT DES BOBINES DE ROTOR A COURANT ALTERNATIF ET A COURANT CONTINU**
[72] PENNINGTON, WALTER WESLEY, III, US
[72] SWINT, ETHAN BAGGET, US
[72] STEVENSON, GREGORY GORDON, US
[72] DA COSTA, ANTHONY, US
[72] OWEN, MICHAEL PARKER, US
[72] RUBIN, MATTHEW J., US
[72] PREINDL, MATTHIAS, US
[71] TAU MOTORS, INC., US
[85] 2023-08-31
[86] 2022-03-04 (PCT/US2022/019041)
[87] (WO2022/187715)
[30] US (63/157,563) 2021-03-05

[21] **3,212,428**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04B 7/19 (2006.01)**
[25] EN
[54] **WEATHER-RESILIENT COUNTERMEASURES FOR LINE-OF-SIGHT MULTIPLE-INPUT MULTIPLE-OUTPUT FEEDER LINKS IN MULTIBEAM SATELLITE SYSTEMS**
[54] **CONTRE-MESURES RESISTANTES AUX INTEMPERIES POUR LIAISONS D'ALIMENTATION A ENTREES MULTIPLES ET A SORTIES MULTIPLES DE LIGNE DE VISEE DANS DES SYSTEMES DE SATELLITES MULTIFAISCEAUX**
[72] BEIDAS, BASSEL F., US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2023-09-15
[86] 2022-03-31 (PCT/US2022/071454)
[87] (WO2022/213098)
[30] US (63/169,773) 2021-04-01
[30] US (17/452,547) 2021-10-27

[21] **3,212,429**
[13] A1
[51] **Int.Cl. B65D 17/50 (2006.01)**
[25] EN
[54] **CLOSURE ASSEMBLY FOR A BEVERAGE CONTAINER AND METHOD FOR REPEATABLY CLOSING A BEVERAGE CONTAINER WITH A CLOSURE ASSEMBLY**
[54] **ENSEMBLE DE FERMETURE POUR RECIPIENT DE BOISSON ET PROCEDE DE FERMETURE REPETEE D'UN RECIPIENT DE BOISSON A L'AIDE D'UN ENSEMBLE DE FERMETURE**
[72] BUNNEMANN, MARTIN, DE
[72] JOBGES, UDO, DE
[71] ARDAGH METAL PACKAGING EUROPE GMBH, CH
[85] 2023-09-15
[86] 2022-03-21 (PCT/EP2022/057373)
[87] (WO2022/200285)
[30] DE (10 2021 106 977.7) 2021-03-22

[21] **3,212,430**
[13] A1
[25] EN
[54] **METHOD OF TREATING INFECTED AND NONINFECTED BURN WOUNDS**
[54] **PROCEDE DE TRAITEMENT DE PLAIES PAR BRULURE INFECTEES ET NON INFECTEES**
[72] HASSETT, DANIEL, US
[72] SATISH, LATHA, US
[71] UNIVERSITY OF CINCINNATI, US
[85] 2023-09-15
[86] 2022-03-17 (PCT/US2022/020751)
[87] (WO2022/197925)
[30] US (63/162,670) 2021-03-18

[21] **3,212,432**
[13] A1
[51] **Int.Cl. E05B 15/04 (2006.01)**
[25] EN
[54] **REKEYABLE LOCK WITH SMALL INCREMENTS**
[54] **SERRURE READAPTABLE A PETITS INCREMENTS**
[72] FARAG, HANNA, US
[71] SPECTRUM BRANDS, INC., US
[85] 2023-09-15
[86] 2022-03-22 (PCT/US2022/021338)
[87] (WO2022/204139)
[30] US (63/165,456) 2021-03-24

[21] **3,212,433**
[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **METHOD OF CAPTURING A TARGET SPECIES FROM A GAS**
[54] **PROCEDE DE CAPTURE D'UNE ESPECE CIBLE A PARTIR D'UN GAZ**
[72] GOBAILLE-SHAW, GAEL, GB
[72] GHOSH, SHILADITYA, GB
[72] CHADWICK, NICHOLAS, GB
[71] MISSION ZERO TECHNOLOGIES LTD, GB
[85] 2023-09-15
[86] 2022-03-18 (PCT/GB2022/050698)
[87] (WO2022/195299)
[30] GB (2103806.2) 2021-03-18
[30] GB (2114697.2) 2021-10-14

[21] **3,212,434**
[13] A1
[51] **Int.Cl. C10B 49/14 (2006.01) A62D 3/32 (2007.01) C01F 11/24 (2006.01) C10B 7/10 (2006.01) C10G 9/34 (2006.01)**
[25] FR
[54] **PROCESS FOR GASIFYING A CARBON-CONTAINING SUBSTANCE BY MOLTEN SALT CATALYSIS, AND ASSOCIATED PLANT**
[54] **PROCEDE DE GAZEIFICATION D'UNE MATIERE CARBONEE PAR CATALYSE EN SELS FONDUS - INSTALLATION ASSOCIEE**
[72] LEPINAY, MAXIME, FR
[71] CRYMIROTECH, FR
[85] 2023-09-15
[86] 2022-04-01 (PCT/FR2022/050620)
[87] (WO2022/219260)
[30] FR (FR2103945) 2021-04-16

[21] **3,212,435**
[13] A1
[51] **Int.Cl. A23L 33/175 (2016.01) A23L 33/19 (2016.01) A23L 2/66 (2006.01) A61P 25/20 (2006.01)**
[25] EN
[54] **NUTRITIONAL COMPOSITION FOR IMPROVING SLEEP**
[54] **COMPOSITION NUTRITIONNELLE POUR AMELIORER LE SOMMEIL**
[72] NYMAN, LARA, US
[71] STOKELY-VAN CAMP, INC., US
[85] 2023-09-15
[86] 2022-03-02 (PCT/US2022/018487)
[87] (WO2022/197448)
[30] US (63/161,168) 2021-03-15

[21] **3,212,436**
[13] A1
[51] **Int.Cl. A61P 25/22 (2006.01)**
[25] EN
[54] **TASIPIMIDINE FORMULATIONS AND USE THEREOF**
[54] **FORMULATIONS DE TASIPIMIDINE ET LEUR UTILISATION**
[72] KUJALA, JOHANNA, FI
[72] LEHTISALO, JENNI, FI
[72] SALMIA, JUKKA, FI
[72] SINERVO, KAI, FI
[71] ORION CORPORATION, FI
[85] 2023-09-15
[86] 2022-03-18 (PCT/FI2022/050176)
[87] (WO2022/195173)
[30] FI (20215311) 2021-03-19

[21] **3,212,439**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C07K 14/705 (2006.01)**
[25] EN
[54] **METHODS FOR TUMOR INFILTRATING LYMPHOCYTE (TIL) EXPANSION RELATED TO CD39/CD69 SELECTION AND GENE KNOCKOUT IN TILS**
[54] **PROCEDES POUR LA MULTIPLICATION DES LYMPHOCYTES INFILTRANT LES TUMEURS (TIL) LIES A LA SELECTION DE CD39/CD69 ET INACTIVATION DE GENES DANS LES TIL**
[72] SIMPSON-ABELSON, MICHELLE, US
[72] CHARTIER-COURTAUD, CECILE, US
[72] CUBAS, RAFAEL, US
[71] IOVANCE BIOTHERAPEUTICS, INC., US
[85] 2023-09-15
[86] 2022-03-21 (PCT/US2022/021224)
[87] (WO2022/198141)
[30] US (63/163,730) 2021-03-19
[30] US (63/255,657) 2021-10-14
[30] US (63/280,536) 2021-11-17

[21] **3,212,440**
[13] A1
[51] **Int.Cl. A61K 36/14 (2006.01) C07C 49/755 (2006.01) C07C 61/35 (2006.01)**
[25] EN
[54] **DITERPENOID COMPOUNDS THAT ACT ON PROTEIN KINASE C (PKC)**
[54] **COMPOSES DITERPENOIDES AGISSANT SUR LA PROTEINE KINASE C (PKC)**
[72] CHEN, RUIHONG, US
[72] JIANG, CHUN, US
[71] K-GEN THERAPEUTICS, INC., US
[85] 2023-09-15
[86] 2022-03-23 (PCT/US2022/021609)
[87] (WO2022/204327)
[30] US (63/164,704) 2021-03-23

[21] **3,212,442**
[13] A1
[25] EN
[54] **LIFTGATE REINFORCEMENT MECHANICAL ATTACHMENT ARRANGEMENT**
[54] **AGENCEMENT DE FIXATION MECANIQUE DE RENFORT DE HAYON**
[72] KUNTZE, CHRISTOPHER J., US
[72] CHAAYA, RIAD, US
[72] TICHY, STANISLAV, US
[71] MAGNA EXTERIORS INC., CA
[85] 2023-09-15
[86] 2022-03-17 (PCT/US2022/020692)
[87] (WO2022/197888)
[30] US (63/162,370) 2021-03-17

[21] **3,212,443**
[13] A1
[51] **Int.Cl. E21B 17/01 (2006.01) B63B 21/50 (2006.01) B63B 22/02 (2006.01) E21B 17/08 (2006.01) E21B 43/01 (2006.01) E21B 43/013 (2006.01)**
[25] EN
[54] **METHODS FOR INSTALLING RISERS IN A FLUID INJECTION SYSTEM**
[54] **PROCEDES D'INSTALLATION DE COLONNES MONTANTES DANS UN SYSTEME D'INJECTION DE FLUIDE**
[72] BRATTEBO, STALE, NO
[72] HAUKELIDSÆTER EIDESEN, BJORGULF, NO
[71] HORISONT ENERGI AS, NO
[85] 2023-09-15
[86] 2022-03-29 (PCT/EP2022/058328)
[87] (WO2022/207668)
[30] EP (21165680.6) 2021-03-29

[21] **3,212,444**
[13] A1
[51] **Int.Cl. C04B 18/14 (2006.01) C04B 28/14 (2006.01)**
[25] FR
[54] **HYDRAULIC BINDER FOR MORTAR COMPOSITION**
[54] **LIANT HYDRAULIQUE POUR COMPOSITION DE MORTIER**
[72] LAUREN, GUNNAR, FI
[72] SALLIER, YANNICK, FR
[71] SAINT-GOBAIN WEBER FRANCE, FR
[85] 2023-09-15
[86] 2022-04-04 (PCT/FR2022/050627)
[87] (WO2022/214759)
[30] FR (FR2103680) 2021-04-09

[21] **3,212,446**
[13] A1
[25] EN
[54] **DISPLAY CASE DOOR**
[54] **PORTE DE BOITIER D'AFFICHAGE**
[72] CHANDRASHEKARAIAH, PRAVEEN, US
[72] KUMAR, SHRIRAM, US
[72] BAUGH, DAVID BRIGGS, US
[72] RODRIGUEZ, ADRIAN, US
[72] MALUTO, DEXTER, US
[71] ANTHONY, INC., US
[85] 2023-09-15
[86] 2022-03-18 (PCT/US2022/021045)
[87] (WO2022/198109)
[30] IN (202141011736) 2021-03-19

[21] **3,212,448**
[13] A1
[25] EN
[54] **METHODS OF CLASSIFYING AND TREATING PATIENTS**
[54] **METHODES DE CLASSIFICATION ET DE TRAITEMENT DE PATIENTS**
[72] AKMAEV, VIATCHESLAV R., US
[72] MELLORS, THEODORE R., US
[71] SCIPHER MEDICINE CORPORATION, US
[85] 2023-09-15
[86] 2022-03-17 (PCT/US2022/020815)
[87] (WO2022/197968)
[30] US (63/163,414) 2021-03-19

[21] **3,212,449**
[13] A1
[51] **Int.Cl. C09J 7/30 (2018.01) C08J 9/08 (2006.01) C08L 23/08 (2006.01) C08L 27/06 (2006.01) C08L 31/04 (2006.01) C09J 123/08 (2006.01) C09J 127/06 (2006.01) C09J 131/04 (2006.01)**
[25] EN
[54] **A SEALING ELEMENT WITH IMPROVED BONDING TO CEMENTITIOUS COMPOSITIONS**
[54] **ELEMENT D'ETANCHEITE A LIAISON AMELIOREE A DES COMPOSITIONS CIMENTAIRES**
[72] LEEBER, BLAISE, US
[72] FREI, FABIAN, US
[71] SIKA TECHNOLOGY AG, CH
[85] 2023-09-15
[86] 2022-03-28 (PCT/EP2022/058172)
[87] (WO2022/207575)
[30] EP (21166688.8) 2021-04-01

[21] **3,212,450**
[13] A1
[25] EN
[54] **TISSUE REPAIR SCAFFOLDS WITH IMPROVED FEATURES FOR IMPLANTATION**
[54] **ECHAFAUDAGES DE REPARATION TISSULAIRE AYANT DES CARACTERISTIQUES AMELIOREES POUR UNE IMPLANTATION**
[72] KEHRER, AARON, US
[72] JOHNSON, NATHANIEL, US
[71] AUXILIUM BIOTECHNOLOGIES INC., US
[85] 2023-09-15
[86] 2022-03-18 (PCT/US2022/021005)
[87] (WO2022/198081)
[30] US (63/163,644) 2021-03-19

[21] **3,212,451**
[13] A1
[51] **Int.Cl. A01N 37/46 (2006.01) A01N 43/80 (2006.01)**
[25] EN
[54] **FORMULATION**
[54] **FORMULATION**
[72] BROQUET, JEAN-CHARLES DANIEL NICOLAS, GB
[72] TELLIS, JENNY, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2023-09-15
[86] 2022-03-25 (PCT/EP2022/057974)
[87] (WO2022/207501)
[30] EP (21165760.6) 2021-03-30

[21] **3,212,452**
[13] A1
[51] **Int.Cl. F16B 19/05 (2006.01) B21J 15/02 (2006.01)**
[25] EN
[54] **MULTI-PIECE FASTENERS, MULTI-PIECE FASTENER INSTALLATION APPARATUS, AND METHODS OF FASTENING**
[54] **ELEMENTS DE FIXATION A PLUSIEURS PIECES, APPAREIL D'INSTALLATION D'ELEMENTS DE FIXATION A PLUSIEURS PIECES ET PROCEDES DE FIXATION**
[72] BRUNET, ARNAUD, FR
[71] HOWMET AEROSPACE INC., US
[85] 2023-09-15
[86] 2021-04-09 (PCT/IB2021/000267)
[87] (WO2022/214842)

[21] **3,212,453**
[13] A1
[51] **Int.Cl. C01C 1/04 (2006.01) C25B 1/04 (2021.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR PRODUCING AMMONIA IN A WELLBORE**
[54] **PROCEDES ET APPAREIL POUR LA PRODUCTION D'AMMONIAC DANS UN PUITS DE FORAGE**
[72] CAYEUX, ERIC, NO
[71] NORCE INNOVATION AS, NO
[85] 2023-09-15
[86] 2022-03-30 (PCT/NO2022/050079)
[87] (WO2022/211643)
[30] NO (20210415) 2021-03-31

[21] **3,212,454**
[13] A1
[51] **Int.Cl. H04N 19/597 (2014.01) H04N 19/167 (2014.01)**
[25] EN
[54] **THREE-DIMENSIONAL POINT CLOUD TRANSMISSION METHOD AND APPARATUS, THREE-DIMENSIONAL POINT CLOUD RECEIVING METHOD AND APPARATUS, AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION DE NUAGE DE POINTS TRIDIMENSIONNEL, PROCEDE ET APPAREIL DE RECEPTION DE NUAGE DE POINTS TRIDIMENSIONNEL, ET SUPPORT DE STOCKAGE**
[72] XU, YILING, CN
[72] ZHANG, YUJIE, CN
[72] GAO, LINYAO, CN
[71] SHANGHAIJIAO TONG UNIVERSITY, CN
[85] 2023-09-15
[86] 2022-05-13 (PCT/CN2022/092632)
[87] (WO2022/194309)
[30] CN (202110653948.7) 2021-06-11
[30] CN (202110441806.4) 2021-04-23

[21] **3,212,455**
[13] A1
[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4439 (2006.01) A61P 9/10 (2006.01) A61P 11/06 (2006.01) A61P 19/02 (2006.01) A61P 19/06 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **POLYMORPHIC FORMS OF COMPOUND AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **FORMES POLYMORPHES DE COMPOSE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION**
[72] YE, GUOZHONG, CN
[72] TIAN, YONG, CN
[72] SUN, ZONGGUO, CN
[72] LUAN, LINBO, CN
[72] CHEN, YONGKAI, CN
[72] WANG, CHAODONG, CN
[71] SHANGHAI MEIYUE BIOTECH DEVELOPMENT CO., LTD., CN
[85] 2023-09-15
[86] 2022-03-17 (PCT/CN2022/081514)
[87] (WO2022/194252)
[30] CN (202110297078.4) 2021-03-19

[21] **3,212,456**
[13] A1
[25] EN
[54] **A SYSTEM AND METHOD FOR CONTROLLING ABRASIVE FLOW IN A PNEUMATIC BLASTING SYSTEM**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE FLUX D'ABRASIF DANS UN SYSTEME DE GRENAILLAGE PNEUMATIQUE**
[72] ROWLAND, MATTHEW, AU
[72] SEEWALD, TREVOR, AU
[71] BLASTONE TECHNOLOGY PTY LTD, AU
[85] 2023-09-15
[86] 2022-03-30 (PCT/AU2022/050289)
[87] (WO2022/204758)
[30] AU (2021900933) 2021-03-30
[30] US (63/167,672) 2021-03-30

[21] **3,212,457**
[13] A1
[51] **Int.Cl. G10L 15/06 (2013.01) G10L 15/18 (2013.01) G10L 15/22 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRAINING NATURAL LANGUAGE PROCESSING MODELS IN A CONTACT CENTER**
[54] **SYSTEMES ET PROCEDES DE FORMATION DE MODELES DE TRAITEMENT DE LANGAGE NATUREL DANS UN CENTRE D'APPELS**
[72] ROSENBERG, JONATHAN, US
[72] BALAKUMAR, PRIYANKA, US
[71] FIVE9, INC., US
[85] 2023-09-15
[86] 2022-03-28 (PCT/US2022/022109)
[87] (WO2022/212237)
[30] US (63/167,699) 2021-03-30

[21] **3,212,458**
[13] A1
[51] **Int.Cl. A61K 9/54 (2006.01) A61K 45/06 (2006.01) A61K 45/08 (2006.01)**
[25] EN
[54] **PRE-FILLING SYSTEM TO ELIMINATE BUBBLES INSIDE CAPSULES HAVING A SOLID DOSAGE FORM**
[54] **SYSTEME DE PRE-REMPLISSAGE POUR ELIMINER DES BULLES A L'INTERIEUR DE CAPSULES AYANT UNE FORME PHARMACEUTIQUE SOLIDE**
[72] ALTAMAR, CARLOS SALAZAR, CO
[72] PADRON, BRAULIO FABIAN TERAN, CO
[72] GARC?A GUZMAN, JOSE ALEXANDER, CO
[72] ROMERO, GUSTAVO ENRIQUE ANAYA, CO
[72] YEPEZ, IVAN DARIO ROMERO, CO
[71] PROCAPS SA, US
[85] 2023-09-15
[86] 2022-03-17 (PCT/US2022/020835)
[87] (WO2022/197983)
[30] US (63/162,080) 2021-03-17
[30] US (17/697,880) 2022-03-17

[21] **3,212,459**
[13] A1
[51] **Int.Cl. H04W 72/04 (2023.01) H04W 72/12 (2023.01) H04W 74/08 (2009.01)**
[25] EN
[54] **TERMINAL, BASE STATION, AND COMMUNICATION METHOD**
[54] **TERMINAL, STATION DE BASE ET PROCEDE DE COMMUNICATION**
[72] NISHIO, AKIHIKO, JP
[72] SUZUKI, HIDETOSHI, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2023-09-15
[86] 2021-11-25 (PCT/JP2021/043181)
[87] (WO2022/208990)
[30] JP (2021-055853) 2021-03-29

[21] **3,212,460**
[13] A1
[25] EN
[54] **INCREASED TRANSFORMABILITY AND HAPLOID INDUCTION IN PLANTS**
[54] **AUGMENTATION DE LA CAPACITE DE TRANSFORMATION ET DE L'INDUCTION D'HAPLOIDES DANS DES PLANTES**
[72] KELLIHER, TIMOTHY JOSEPH, US
[72] DELZER, BRENT, US
[72] SKIBBE, DAVID STEWART, US
[72] NICHOLS, JASON, US
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2023-09-15
[86] 2022-03-29 (PCT/US2022/022271)
[87] (WO2022/212318)
[30] US (63/169,316) 2021-04-01

[21] **3,212,461**
[13] A1
[51] **Int.Cl. H01L 31/049 (2014.01)**
[25] EN
[54] **PHOTOVOLTAIC MODULE WITH TRANSPARENT PERIMETER EDGES**
[54] **MODULE PHOTOVOLTAIQUE A BORDS PERIPHERIQUES TRANSPARENTS**
[72] BOITNOTT, NICHOLAS, US
[71] GAF ENERGY LLC, US
[85] 2023-09-15
[86] 2022-05-06 (PCT/US2022/028038)
[87] (WO2022/236029)
[30] US (63/185,091) 2021-05-06

[21] **3,212,462**
[13] A1
[51] **Int.Cl. G06N 10/70 (2022.01)**
[25] EN
[54] **FREQUENCY CONFIGURATION IN QUANTUM GATES FOR LEAKAGE REMOVAL**
[54] **CONFIGURATION DE FREQUENCES DANS DES PORTES QUANTIQUES POUR ELIMINATION DE FUITES**
[72] BARENDS, RAMI, US
[72] KOROTKOV, ALEXANDER NIKOLAEVICH, US
[72] SATZINGER, KEVIN JOSEPH, US
[72] MCEWEN, MATTHEW JAMES, US
[72] SMELYANSKIY, VADIM, US
[72] KLIMOV, PAUL VICTOR, US
[72] KELLY, JULIAN SHAW, US
[72] ATALAYA-CHAVEZ, JUAN CARLOS, US
[72] CHEN, ZIJUN, US
[71] GOOGLE LLC, US
[85] 2023-09-15
[86] 2022-03-15 (PCT/US2022/020359)
[87] (WO2022/197687)
[30] US (63/161,180) 2021-03-15

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[13] A1
[51] **Int.Cl. A23K 20/163 (2016.01) A23K 40/30 (2016.01) A23K 50/48 (2016.01)**
[25] EN
[54] **DOG SACHET**
[54] **SACHET POUR CHIEN**
[72] DOBUSCH, LISA, CH
[72] ENCHELMAIER, NICO, CH
[72] ENCHELMAIER, VOLKER, CH
[71] ENCHELMAIER, NICO, CH
[85] 2023-09-15
[86] 2022-03-18 (PCT/EP2022/057211)
[87] (WO2022/195095)
[30] CH (00293/21) 2021-03-18

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[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61K 31/635 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **PRODRUG OF CELECOXIB, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **PROMEDICAMENT DE CELECOXIB, SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] WANG, YANDONG, CN
[72] LIU, GUOQIANG, CN
[72] LIU, WEI, CN
[71] GUANGZHOU OCUSUN OPHTHALMIC BIOTECHNOLOGY CO., LTD., CN
[85] 2023-09-15
[86] 2021-06-08 (PCT/CN2021/098759)
[87] (WO2022/193449)
[30] CN (202110276245.7) 2021-03-15

[21] **3,212,465**
[13] A1
[51] **Int.Cl. A61K 35/68 (2006.01)**
[25] EN
[54] **USE OF PLASMODIUM IN PREPARATION OF ANTI-TUMOR PREPARATION FOR USE IN COMBINATION WITH RADIOTHERAPY**
[54] **UTILISATION DE PLASMODIUM DANS LA PREPARATION D'UNE PREPARATION ANTITUMORALE DESTINEE A ETRE UTILISEE EN COMBINAISON AVEC UNE RADIOTHERAPIE**
[72] TAO, ZHU, CN
[72] DING, WENTING, CN
[72] CHENG, ZHIPENG, CN
[72] FENG, YINFANG, CN
[72] QIN, LI, CN
[72] CHEN, XIAOPING, CN
[71] CAS LAMVAC (GUANGZHOU) BIOMEDICAL TECHNOLOGY CO., LTD., CN
[85] 2023-09-15
[86] 2021-03-19 (PCT/CN2021/081711)
[87] (WO2022/193267)
[30] CN (202110281102.5) 2021-03-16

[21] **3,212,466**
[13] A1
[25] EN
[54] **SORTING OF RECYCLED PLASTIC FILM MATERIALS**
[54] **TRI DE MATERIAUX DE FILMS PLASTIQUES RECYCLES**
[72] KLAEYLE, JEROME, FR
[72] GARNIER, THIERRY, FR
[71] TRIOWORLD OMBREE D'ANJOU SAS, FR
[85] 2023-09-15
[86] 2022-03-18 (PCT/EP2022/057183)
[87] (WO2022/195086)
[30] EP (21163352.4) 2021-03-18

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[13] A1
[51] **Int.Cl. G06N 10/60 (2022.01) G06N 10/20 (2022.01)**
[25] EN
[54] **CLASSICALLY-BOOSTED QUANTUM OPTIMIZATION**
[54] **OPTIMISATION QUANTIQUE AMPLIFIEE DE MANIERE CLASSIQUE**
[72] WANG, GUOMING, US
[71] ZAPATA COMPUTING, INC., US
[85] 2023-09-15
[86] 2022-03-23 (PCT/US2022/021521)
[87] (WO2022/204266)
[30] US (63/164,954) 2021-03-23

[21] **3,212,468**
[13] A1
[51] **Int.Cl. C07K 7/08 (2006.01) A61K 31/216 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMBINATIONS OF TDFRPS AND ADDITIONAL AGENTS AND METHODS OF USE FOR THE REVERSAL OF FIBROSIS**
[54] **ASSOCIATIONS THERAPEUTIQUES DE TDFRP ET D'AGENTS SUPPLEMENTAIRES ET METHODES D'UTILISATION POUR LA REVERSION DE LA FIBROSE**
[72] CARLSON, WILLIAM D., US
[71] THERAPEUTICS BY DESIGN, LLC, US
[85] 2023-09-15
[86] 2022-03-16 (PCT/US2022/020627)
[87] (WO2022/197855)
[30] US (63/161,613) 2021-03-16

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[13] A1
[51] **Int.Cl. A61P 27/02 (2006.01) C07H 21/04 (2006.01)**
[25] EN
[54] **OCULAR DELIVERY OF THERAPEUTIC AGENTS**
[54] **ADMINISTRATION OCULAIRE D'AGENTS THERAPEUTIQUES**
[72] FARRA, ROBERT, US
[72] CEMAZAR, JAKA, US
[72] RAMASWAMY, GAYATHRI, US
[72] GONZALES, CATHLEEN, US
[72] FERNANDEZ-GODINO, ROSARIO, US
[71] INTERGALACTIC THERAPEUTICS, INC., US
[85] 2023-09-15
[86] 2022-03-21 (PCT/US2022/021209)
[87] (WO2022/198138)
[30] US (63/163,350) 2021-03-19
[30] US (63/167,463) 2021-03-29
[30] US (63/167,437) 2021-03-29
[30] US (63/316,699) 2022-03-04
[30] US (63/167,296) 2021-03-29
[30] US (63/293,297) 2021-12-23

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[13] A1
[51] **Int.Cl. A41D 1/04 (2006.01)**
[25] EN
[54] **SAFETY VEST WITH LIGHT TUBES**
[54] **GILET DE SECURITE A TUBES LUMINEUX**
[72] ERNST, TODD, US
[72] SHEEHY, BRIAN, US
[71] COAST CUTLERY CO., US
[85] 2023-09-15
[86] 2022-03-16 (PCT/US2022/020557)
[87] (WO2022/197807)
[30] US (17/207,602) 2021-03-19

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[13] A1
[51] **Int.Cl. A23F 3/14 (2006.01) A23F 3/08 (2006.01)**
[25] EN
[54] **MOULDED TEA COMPOSITION INCORPORATING MICROBIAL CELLULOSE AS A BINDER**
[54] **COMPOSITION DE THE MOULEE INCORPORANT DE LA CELLULOSE MICROBIENNE EN TANT QUE LIANT**
[72] HILL, SU-MARI, CA
[72] HILL, TIMOTHY PETER, CA
[71] ILOLA INC., CA
[85] 2023-09-15
[86] 2022-03-08 (PCT/CA2022/050333)
[87] (WO2022/192989)
[30] US (17/205,986) 2021-03-18

[21] **3,212,472**
[13] A1
[51] **Int.Cl. C05F 17/20 (2020.01) C05F 17/40 (2020.01)**
[25] FR
[54] **METHOD FOR TREATING HUMAN OR ANIMAL URINE BY DILUTION AND FERMENTATION AND USES OF THE URINE OBTAINED IN PARTICULAR AS FERTILIZING SUBSTANCE**
[54] **PROCEDE DE TRAITEMENT DE L'URINE HUMAINE OU ANIMALE PAR DILUTION ET FERMENTATION ET UTILISATIONS DE L'URINE OBTENUE EN PARTICULIER COMME MATIERE FERTILISANTE**
[72] HUGUIER, PIERRE, FR
[72] ROES, MICHAEL, FR
[71] TOOPI ORGANICS, FR
[85] 2023-09-16
[86] 2022-03-16 (PCT/EP2022/056884)
[87] (WO2022/194964)
[30] FR (FR2102613) 2021-03-16

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[13] A1
[51] **Int.Cl. C05F 17/20 (2020.01) C05F 17/40 (2020.01)**
[25] FR
[54] **METHOD FOR TREATING HUMAN OR ANIMAL URINE BY BASIFIICATION AND USES OF THE URINE OBTAINED IN PARTICULAR AS FERTILISING SUBSTANCE**
[54] **PROCEDE DE TRAITEMENT DE L'URINE HUMAINE OU ANIMALE PAR BASIFICATION ET UTILISATIONS DE L'URINE OBTENUE EN PARTICULIER COMME MATIERE FERTILISANTE**
[72] HUGUIER, PIERRE, FR
[72] ROES, MICHAEL, FR
[71] TOOPI ORGANICS, FR
[85] 2023-09-16
[86] 2022-03-16 (PCT/EP2022/056877)
[87] (WO2022/194959)
[30] FR (FR2102612) 2021-03-16

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[13] A1
[51] **Int.Cl. E04H 6/04 (2006.01) E04B 1/343 (2006.01) E04H 1/12 (2006.01)**
[25] EN
[54] **TRANSPORTABLE AND DEPLOYABLE GARAGE**
[54] **GARAGE TRANSPORTABLE ET DEPLOYABLE**
[72] SAVARD, PHILIP, CA
[71] SAVAR-HANGAR INC., CA
[85] 2023-08-16
[86] 2022-02-11 (PCT/CA2022/000003)
[87] (WO2022/174327)
[30] US (63/150,371) 2021-02-17

[21] **3,212,477**
[13] A1
[51] **Int.Cl. E04B 1/343 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANUFACTURING AND DEPLOYING MODULAR BUILDINGS**
[54] **SYSTEMES ET PROCEDES DE FABRICATION ET DE DEPLOIEMENT DE BATIMENTS MODULAIRES**
[72] ABBI, ANKUSH, CA
[72] JOO, HYUN KYO, CA
[72] KULKARNI, ROHAN, CA
[71] ROHE HOMES LTD., CA
[85] 2023-09-01
[86] 2022-03-03 (PCT/CA2022/050308)
[87] (WO2022/183296)
[30] US (63/156,326) 2021-03-03

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[13] A1
[51] **Int.Cl. B01D 69/12 (2006.01) B01D 67/00 (2006.01)**
[25] EN
[54] **BICONTINUOUS HIGHLY INTERCONNECTED POROUS POLYMER ULTRAFILTRATION MEMBRANE AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF**
[54] **MEMBRANE D'ULTRAFILTRATION POLYMERE POREUSE, HAUTEMENT INTERCONNECTEE ET BICONTINUE ET METHODE DE PREPARATION ET D'APPLICATION**
[72] LIU, YIQUN, CN
[72] LI, YU, CN
[72] WU, CHANGJIANG, CN
[72] PAN, GUOYUAN, CN
[72] ZHANG, YANG, CN
[72] YU, HAO, CN
[72] ZHAO, MUHUA, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[85] 2023-09-01
[86] 2021-10-28 (PCT/CN2021/127029)
[87] (WO2022/183751)
[30] CN (202110242563.1) 2021-03-05
[30] CN (202110465718.8) 2021-04-28
[30] CN (202110466664.7) 2021-04-28

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[13] A1
[51] **Int.Cl. H04W 8/22 (2009.01)**
[25] EN
[54] **WLAN MULTI-LINK TDLS KEY DERIVATION**
[54] **DERIVATION DE CLE TDLS A LIAISONS MULTIPLES WLAN**
[72] MCCANN, STEPHEN, GB
[72] MONTEMURRO, MICHAEL, CA
[72] SUN, SHENG, CA
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-09-01
[86] 2022-03-04 (PCT/CN2022/079369)
[87] (WO2022/184174)
[30] US (63/156,536) 2021-03-04
[30] US (17/681,370) 2022-02-25

[21] **3,212,481**
[13] A1
[51] **Int.Cl. C09K 5/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING 2,3,3,3-TETRAFLUOROPROPENE AND OXIDATION PRODUCTS**
[54] **COMPOSITIONS COMPRENANT DU 2,3,3,3-TETRAFLUOROPROPENE ET DES PRODUITS D'OXYDATION**
[72] PENG, SHENG, US
[72] SUN-BLANKS, JIAN, US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2023-08-31
[86] 2022-03-08 (PCT/US2022/019276)
[87] (WO2022/192205)
[30] US (63/158,103) 2021-03-08

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[13] A1
[51] **Int.Cl. C30B 23/00 (2006.01) C30B 23/02 (2006.01) C30B 29/36 (2006.01)**
[25] EN
[54] **METHOD OF GROWING HIGH-QUALITY SINGLE CRYSTAL SILICON CARBIDE**
[54] **PROCEDE DE CROISSANCE DE CARBURE DE SILICIUM MONOCRISTALLIN DE HAUTE QUALITE**
[72] DONG, LI, SE
[72] ALASSAAD, KASSEM, SE
[72] EKMAN, JOHAN, SE
[71] KISELKARBID I STOCKHOLM AB, SE
[85] 2023-09-01
[86] 2022-02-18 (PCT/EP2022/054151)
[87] (WO2022/189126)
[30] EP (21162115.6) 2021-03-11

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[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **OBICETRAPIB FOR TREATMENT OF DEMENTIAS**
[54] **OBICETRAPIB POUR LE TRAITEMENT DE DEMENCES**
[72] DITMARSCH, MARC, NL
[72] KASTELEIN, JOHANNES JACOB PIETER, NL
[72] DAVIDSON, MICHAEL HARVEY, NL
[71] NEWAMSTERDAM PHARMA B.V., NL
[85] 2023-09-01
[86] 2022-03-04 (PCT/IB2022/000098)
[87] (WO2022/185120)
[30] US (63/157,586) 2021-03-05

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[13] A1
[51] **Int.Cl. A61K 8/99 (2017.01) A61K 8/04 (2006.01) A61K 8/25 (2006.01) A61K 8/37 (2006.01) A61K 8/49 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITION AND USE THEREOF**
[54] **COMPOSITION TOPIQUE ET SON UTILISATION**
[72] HALE, JOHN DAVID FRANCIS, NZ
[72] JAIN, ROHIT, NZ
[72] VOSS, ABIGAIL LOUISE, NZ
[71] BLIS TECHNOLOGIES LIMITED, NZ
[85] 2023-09-01
[86] 2022-03-03 (PCT/IB2022/051860)
[87] (WO2022/185238)
[30] AU (2021900605) 2021-03-04

[21] **3,212,486**
[13] A1
[51] **Int.Cl. C09K 5/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING 2,3,3,3-TETRAFLUOROPROPENE AND OXYGEN-DERIVED OLIGOMERS**
[54] **COMPOSITIONS COMPRENANT DU 2,3,3,3-TETRAFLUOROPROPENE ET DES OLIGOMERES DERIVES D'OXYGENE**
[72] PENG, SHENG, US
[72] SUN-BLANKS, JIAN, US
[72] MINOR, BARBARA HAVILAND, US
[72] KIPP, BRIAN, US
[72] KOBAN, MARY E., US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2023-08-31
[86] 2022-03-08 (PCT/US2022/019285)
[87] (WO2022/192212)
[30] US (63/158,130) 2021-03-08

[21] **3,212,487**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/053 (2021.01)**
[25] EN
[54] **METHOD FOR DIAGNOSIS AND TREATMENT OF DEEP TISSUE INJURY USING SUB-EPIDERMAL MOISTURE MEASUREMENTS**
[54] **METHODE DIAGNOSTIQUE ET DE TRAITEMENT D'UNE LESION TISSULAIRE PROFONDE A L'AIDE DE MESURES D'HUMIDITE SOUS-EPIDERMIQUE**
[72] BURNS, MARTIN F., US
[72] IYER, VIGNESH MANI, US
[71] BRUIN BIOMETRICS, LLC, US
[85] 2023-08-31
[86] 2022-03-08 (PCT/US2022/019338)
[87] (WO2022/192254)
[30] US (63/158,713) 2021-03-09
[30] US (63/316,218) 2022-03-03

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[13] A1
[51] **Int.Cl. B62J 1/00 (2006.01) B22F 12/00 (2021.01) A61B 5/103 (2006.01)**
[25] EN
[54] **METHOD FOR THE REALIZATION OF A SUPPORT ELEMENT FOR THE HUMAN BODY AND A SUPPORT ELEMENT SO OBTAINED**
[54] **PROCEDE DE FABRICATION D'UN ELEMENT DE SUPPORT POUR LE CORPS HUMAIN ET ELEMENT DE SUPPORT AINSI OBTENU**
[72] BIGOLIN, BARBARA, IT
[72] MALFATTI, MARCO, IT
[71] SELLE ROYAL GROUP S.P.A., IT
[85] 2023-09-01
[86] 2022-03-04 (PCT/IB2022/051911)
[87] (WO2022/185262)
[30] IT (102021000005111) 2021-03-04

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[13] A1
[51] **Int.Cl. B65D 1/24 (2006.01) B65D 1/28 (2006.01) B65D 1/36 (2006.01) B65D 5/20 (2006.01) B65D 6/34 (2006.01)**
[25] EN
[54] **TRAY WITH COMPARTMENTS**
[54] **PLATEAU AVEC COMPARTIMENTS**
[72] KASTANEK, RAYMOND S., US
[72] ZAMMIT, MARK, US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2023-08-31
[86] 2022-03-09 (PCT/US2022/019439)
[87] (WO2022/192326)
[30] US (63/159,015) 2021-03-10

[21] **3,212,490**
[13] A1
[51] **Int.Cl. G08G 1/017 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR VEHICLE INFORMATION CAPTURE USING WHITE LIGHT**
[54] **SYSTEMES ET PROCEDES DE CAPTURE D'INFORMATIONS DE VEHICULE A L'AIDE DE LUMIERE BLANCHE**
[72] D'ANNUNZIO, DENNIS BERNARDO, US
[71] SELEX ES INC., US
[85] 2023-08-31
[86] 2022-03-09 (PCT/US2022/019459)
[87] (WO2022/192338)
[30] US (63/158,949) 2021-03-10
[30] US (17/690,138) 2022-03-09

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[13] A1
[51] **Int.Cl. C07C 201/10 (2006.01) C07C 205/12 (2006.01)**
[25] EN
[54] **SYNTHESIS OF OMECAMTIV MECARBIL**
[54] **SYNTHESE D'OMECAMTIV MECARBIL**
[72] CAILLE, SEBASTIEN, US
[72] MURRAY, JAMES, US
[72] QUASDORF, KYLE, US
[72] NGUYEN, HANNAH, US
[72] SILVA ELIPE, MARIA VICTORIA, US
[72] ERICSON, ARI ELIZABETH, US
[71] AMGEN, INC., US
[85] 2023-08-31
[86] 2022-03-09 (PCT/US2022/019573)
[87] (WO2022/192414)
[30] US (63/159,227) 2021-03-10

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[13] A1
[51] **Int.Cl. G01N 1/40 (2006.01) G01F 23/00 (2022.01) G01K 9/00 (2006.01) G01N 30/06 (2006.01) G01N 35/04 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SOLID PHASE EXTRACTION**
[54] **PROCEDES ET SYSTEMES D'EXTRACTION EN PHASE SOLIDE**
[72] GODFREY, ALEXANDER GLENN, US
[72] VERMA, MEGHAV, US
[72] GOYAL, VISHAKHA, US
[72] BENDE, PRANAV, US
[72] WALLGREN, LINUS ERIC, US
[72] KLEIN, JAMES CULLEN, US
[71] THE USA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2023-08-31
[86] 2022-03-16 (PCT/US2022/020596)
[87] (WO2022/197834)
[30] US (63/161,851) 2021-03-16

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[13] A1
[51] **Int.Cl. A61B 5/021 (2006.01) G16H 50/30 (2018.01) A61B 5/00 (2006.01) A61B 5/0215 (2006.01) A61B 5/022 (2006.01) A61B 5/024 (2006.01) A61B 5/029 (2006.01) A61B 5/08 (2006.01)**
[25] EN
[54] **HEMODYNAMIC MONITOR WITH NOCICEPTION PREDICTION AND DETECTION**
[54] **MONITEUR HEMODYNAMIQUE AVEC PREDICTION ET DETECTION DE NOCICEPTION**
[72] LEE, CHRISTINE, US
[72] AL HATIB, FERAS, US
[72] POTES BLANDON, CRISTHIAN M., US
[72] MOSES, KEVIN JAMES, US
[72] SZYMAN, CATHERINE M., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-08-31
[86] 2022-03-18 (PCT/US2022/020988)
[87] (WO2022/203965)
[30] US (63/165,702) 2021-03-24

[21] **3,212,494**
[13] A1
[51] **Int.Cl. A61F 2/26 (2006.01)**
[25] EN
[54] **INFLATABLE MEDICAL IMPLANT HAVING A PRESSURE CALIBRATION SYSTEM**
[54] **IMPLANT MEDICAL GONFLABLE AYANT UN SYSTEME DE CALIBRAGE DE PRESSION**
[72] SMITH, NOEL, IE
[72] GILDEA, JOHN, IE
[72] WATSCHKE, BRIAN P., US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2023-08-31
[86] 2022-03-03 (PCT/US2022/070940)
[87] (WO2022/187840)
[30] US (63/200,370) 2021-03-03
[30] US (17/653,225) 2022-03-02

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[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/02 (2006.01) A61K 38/16 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING PROTEIN DIMERIZATION USING AN INTRAMOLECULAR TO INTERMOLECULAR CONFORMATIONAL SWITCH**
[54] **PROCEDE DE REGULATION DE LA DIMERISATION DE PROTEINES A L'AIDE D'UN COMMUTATEUR DE CONFORMATION INTRAMOLECULAIRE A INTERMOLECULAIRE**
[72] HILL, JONATHON T., US
[71] BRIGHAM YOUNG UNIVERSITY, US
[85] 2023-08-31
[86] 2022-03-04 (PCT/US2022/070991)
[87] (WO2022/187865)
[30] US (63/200,428) 2021-03-05

[21] **3,212,496**
[13] A1
[51] **Int.Cl. G06T 17/00 (2006.01) G06Q 50/08 (2012.01) G06T 7/12 (2017.01)**
[25] EN
[54] **VIRTUAL PERFORMANCE COMPATIBILITY CHECKING AND MANAGEMENT FOR MODULAR CONSTRUCTION AND RELATED METHODS**
[54] **CONTROLE ET GESTION DE COMPATIBILITE DE PERFORMANCE VIRTUELLE DE CONSTRUCTION MODULAIRE ET PROCEDES ASSOCIES**
[72] HAN, KOOK IN, US
[72] GUPTA, ABHINAV, US
[72] NOGHABAEI, SEYEDMOJTABA, US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2023-08-31
[86] 2022-03-05 (PCT/US2022/070993)
[87] (WO2022/187866)
[30] US (63/157,119) 2021-03-05

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[13] A1
[51] **Int.Cl. C22B 3/22 (2006.01) C22B 3/06 (2006.01) C22B 7/00 (2006.01) C22B 23/00 (2006.01) C22B 47/00 (2006.01)**
[25] EN
[54] **PRECIPITATION OF METALS**
[54] **PRECIPITATION DE METAUX**
[72] HAWKER, WILLIAM, AU
[72] VAUGHAN, JAMES WILLIAM, AU
[72] FU, WENG, AU
[72] MANN, DAVID ANDREW, AU
[72] HODGE, HARRISON MICHAEL, AU
[71] PURE BATTERY TECHNOLOGIES PTY LTD, AU
[85] 2023-09-01
[86] 2022-03-02 (PCT/AU2022/050167)
[87] (WO2022/183243)
[30] AU (2021900570) 2021-03-02
[30] AU (2021900571) 2021-03-02

[21] **3,212,498**
[13] A1
[51] **Int.Cl. A23L 5/00 (2016.01) A23L 7/109 (2016.01)**
[25] EN
[54] **METHOD FOR PRODUCING STARCH-CONTAINING SOLID COMPOSITION FOR HEAT-COOKING**
[54] **PROCEDE DE PRODUCTION D'UNE COMPOSITION SOLIDE CONTENANT DE L'AMIDON POUR UNE CUISSON A LA CHALEUR**
[72] TANGE, YUSUKE, JP
[71] MIZKAN HOLDINGS CO., LTD., JP
[85] 2023-09-01
[86] 2022-03-01 (PCT/JP2022/008646)
[87] (WO2022/186212)
[30] JP (2021-031884) 2021-03-01

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[13] A1
[51] **Int.Cl. B01J 20/26 (2006.01) B01D 53/04 (2006.01) B01D 53/52 (2006.01) B01D 53/62 (2006.01) B01J 20/28 (2006.01) C08G 73/02 (2006.01)**
[25] EN
[54] **FUNCTIONALISED HYDROGELS**
[54] **HYDROGELS FONCTIONNALISES**
[72] WOOD, COLIN, AU
[72] MYERS, MATTHEW, AU
[72] WHITE, CAMERON, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[85] 2023-09-01
[86] 2022-03-03 (PCT/AU2022/050169)
[87] (WO2022/183244)
[30] AU (2021900632) 2021-03-05

[21] **3,212,500**
[13] A1
[51] **Int.Cl. C30B 23/02 (2006.01) C23C 14/50 (2006.01) C30B 29/36 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF PRODUCING MONOCRYSTALLINE LAYERS ON A SUBSTRATE**
[54] **SYSTEME ET PROCEDE DE PRODUCTION DE COUCHES MONOCRISTALLINES SUR UN SUBSTRAT**
[72] DONG, LIN, SE
[72] EKMAN, JOHAN PETER, SE
[72] ALASSAAD, KASSEM, SE
[71] KISELKARBID I STOCKHOLM AB, SE
[85] 2023-09-01
[86] 2022-02-18 (PCT/SE2022/050178)
[87] (WO2022/191751)
[30] SE (2150283-6) 2021-03-11

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[13] A1
[51] **Int.Cl. C07H 1/00 (2006.01) C07H 5/10 (2006.01) C07H 11/00 (2006.01) C07H 15/00 (2006.01) C07H 17/00 (2006.01) C07J 17/00 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING SULFATED OLIGOSACCHARIDE DERIVATIVES AND INTERMEDIATES THEREOF**
[54] **PROCEDES DE PRODUCTION DE DERIVES D'OLIGOSACCHARIDE SULFATE ET DE SES INTERMEDIAIRES**
[72] HANDLEY, PAUL NEWTON, AU
[72] KAROLI, TOMISLAV, AU
[72] ROWLEY, JESSICA ANNE, AU
[72] FRANKS, HELEN, GB
[72] WEYMOUTH-WILSON, ALEXANDER, GB
[72] CLARKSON, ROBERT, GB
[72] WALLIS, LAURA, GB
[72] WHITE, AILEEN, GB
[72] TYRRELL, ANDREW, GB
[72] GALE, HELEN, GB
[72] GREENWOOD, PHILLIP, GB
[71] PROGEN PG500 SERIES PTY LTD, AU
[85] 2023-09-01
[86] 2022-03-04 (PCT/AU2022/050183)
[87] (WO2022/183254)
[30] AU (2021900614) 2021-03-04

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[13] A1
[51] **Int.Cl. C30B 23/02 (2006.01) C23C 14/50 (2006.01) C30B 29/36 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF PRODUCING MONOCRYSTALLINE LAYERS ON A SUBSTRATE**
[54] **SYSTEME ET PROCEDE DE PRODUCTION DE COUCHES MONOCRISTALLINES SUR UN SUBSTRAT**
[72] EKMAN, JOHAN PETER, SE
[72] DONG, LIN, SE
[72] ALASSAAD, KASSEM, SE
[71] KISELKARBID I STOCKHOLM AB, SE
[85] 2023-09-01
[86] 2022-02-18 (PCT/SE2022/050179)
[87] (WO2022/191752)
[30] SE (2150284-4) 2021-03-11

[21] **3,212,503**
[13] A1
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/04 (2006.01) B01D 53/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MOBILE CARBON CAPTURE**
[54] **SYSTEME ET PROCEDE DE CAPTURE DE CARBONE MOBILE**
[72] REYNOLDS, CHRISTINA, US
[72] HARDING, ERIC, US
[72] GROSS, PAUL, US
[71] ECHENEIDAE INC., US
[85] 2023-09-01
[86] 2022-03-01 (PCT/US2022/018305)
[87] (WO2022/187221)
[30] US (63/156,761) 2021-03-04

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[13] A1
[51] **Int.Cl. C30B 23/02 (2006.01) C30B 29/36 (2006.01)**
[25] EN
[54] **SIMULTANEOUS GROWTH OF TWO SILICON CARBIDE LAYERS**
[54] **CROISSANCE SIMULTANEE DE DEUX COUCHES DE CARBURE DE SILICIUM**
[72] DONG, LIN, SE
[72] ALASSAAD, KASSEM, SE
[72] EKMAN, JOHAN PETER, SE
[71] KISELKARBID I STOCKHOLM AB, SE
[85] 2023-09-01
[86] 2022-02-18 (PCT/SE2022/050180)
[87] (WO2022/191753)
[30] SE (2150279-4) 2021-03-11

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[13] A1
[51] **Int.Cl. A42C 2/00 (2006.01) A41D 13/015 (2006.01) A41H 3/04 (2006.01) A42B 3/00 (2006.01) A42B 3/06 (2006.01) A42B 3/12 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR HELMET SELECTION AND/OR CUSTOMIZATION**
[54] **PROCEDE ET SYSTEME DE SELECTION ET/OU DE PERSONNALISATION DE CASQUE**
[72] DESROCHERS, CHARLES-ANTOINE, CA
[72] DUROCHER, JACQUES, CA
[72] KRICK, THIERRY, CA
[72] LEMELIN, THOMAS, CA
[72] LAPERRIERE, JEAN-FRANCOIS, CA
[72] BEAULIEU, GUILLAUME, CA
[72] CARLIN, ADAM, US
[72] DESJARDINS, MATHIEU, CA
[71] BAUER HOCKEY LTD., CA
[85] 2023-09-01
[86] 2022-03-01 (PCT/US2022/018322)
[87] (WO2022/187232)
[30] US (63/154,917) 2021-03-01

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[13] A1
[51] **Int.Cl. C08G 18/20 (2006.01) C08G 18/32 (2006.01) C08G 18/76 (2006.01) C08L 75/06 (2006.01)**
[25] EN
[54] **PEST-RESISTANT SPRAY FOAM FORMULATIONS**
[54] **FORMULATIONS DE MOUSSE PROJETEE RESISTANTE AUX NUISIBLES**
[72] BROWN, BENJAMIN, US
[71] NATURAL POLYMERS, LLC, US
[85] 2023-09-01
[86] 2022-03-02 (PCT/US2022/018513)
[87] (WO2022/187355)
[30] US (63/155,931) 2021-03-03
[30] US (17/684,413) 2022-03-02

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[13] A1
[51] **Int.Cl. C07F 9/38 (2006.01) C07C 227/12 (2006.01) C07C 229/16 (2006.01)**
[25] EN
[54] **TWO-COMPARTMENT BIPOLAR MEMBRANE ELECTRODIALYSIS OF SALTS OF AMINO ACIDS**
[54] **ELECTRODIALYSE DE SELS D'ACIDES AMINES A MEMBRANE BIPOLAIRE A DEUX COMPARTIMENTS**
[72] STRUBLE, JUSTIN ROBERT, US
[72] XU, JIAN, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2023-09-01
[86] 2022-03-02 (PCT/US2022/018580)
[87] (WO2022/187407)
[30] US (63/156,583) 2021-03-04

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[13] A1
[51] **Int.Cl. E01C 7/18 (2006.01) C04B 14/00 (2006.01) C08J 3/03 (2006.01) C08L 95/00 (2006.01) E01C 7/32 (2006.01)**
[25] EN
[54] **LAYERED MATERIAL**
[54] **MATERIAU EN COUCHES**
[72] EICHER, ANDREW JACOB, US
[72] EXLINE, MARVIN KELLER, US
[72] THOMAS, TODD, US
[71] HERITAGE RESEARCH GROUP, LLC, US
[85] 2023-09-01
[86] 2022-03-03 (PCT/US2022/018649)
[87] (WO2022/187446)
[30] US (63/200,363) 2021-03-03

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[13] A1
[51] **Int.Cl. A47G 27/04 (2006.01)**
[25] EN
[54] **APPARATUS TO PREVENT CURLING OF A RUG CORNER**
[54] **APPAREIL POUR EMPECHER L'ENROULEMENT D'UN COIN DE TAPIS**
[72] WENDLING, ALLAN, US
[71] JUST FUR LOVE, LLC, US
[85] 2023-09-01
[86] 2022-03-03 (PCT/US2022/018699)
[87] (WO2022/187481)
[30] US (17/191,883) 2021-03-04

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[13] A1
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 47/12 (2012.01) E21B 47/18 (2012.01)**
[25] EN
[54] **ENHANCED M-ARY ENCODING TELEMETRY**
[54] **TELEMESURE DE CODAGE M-AIRE AMELIOREE**
[72] MILLER, KENNETH, US
[72] ERDOS, DAVID, US
[72] ERDOS, ABRAHAM, US
[71] ERDOS MILLER, INC, US
[85] 2023-09-18
[86] 2022-04-07 (PCT/US2022/023822)
[87] (WO2022/216924)
[30] US (63/172,348) 2021-04-08

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[13] A1
[51] **Int.Cl. A61K 31/785 (2006.01) A61K 31/74 (2006.01) A61P 13/12 (2006.01) C08F 226/04 (2006.01)**
[25] EN
[54] **CROSSLINKED POLY(ALLYLAMINE) POLYMER PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES A BASE DE POLYMERES DE POLY(ALLYLAMINE) RETICULES**
[72] KLAERNER, GERRIT, US
[72] CONNOR, ERIC F., US
[72] GBUR, RANDI K., US
[72] KADE, MATTHEW J., US
[72] KIERSTEAD, PAUL H., US
[72] BIYANI, KALPESH N., US
[72] NGUYEN, SON H., US
[72] TABAKMAN, SCOTT M., US
[71] RENOSIS, INC., US
[85] 2023-09-01
[86] 2021-03-01 (PCT/US2021/020265)
[87] (WO2022/186813)

[21] **3,212,514**
[13] A1
[51] **Int.Cl. A61M 25/04 (2006.01)**
[25] EN
[54] **GUIDEWIRE POSITIONING DEVICES AND SYSTEMS**
[54] **DISPOSITIFS ET SYSTEMES DE POSITIONNEMENT DE FIL-GUIDE**
[72] SU, BINGQUAN, US
[72] NIA, NIMA V., US
[72] DOMINICK, DOUGLAS THOMAS, US
[72] TRIPATHY, SAKYASINGH, US
[72] CAO, HENGCHU, US
[72] SANTANA, RENE, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-09-01
[86] 2022-02-18 (PCT/US2022/017028)
[87] (WO2022/191977)
[30] US (63/158,237) 2021-03-08

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[13] A1
[51] **Int.Cl. F04B 49/06 (2006.01)**
[25] EN
[54] **VALVE CONDITION MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE CONDITION DE SOUPAPE**
[72] GERBER, JR. DAVID GERARD, US
[72] TUNC, MUHARREM ALI, US
[72] CASE, KEVIN L., US
[72] SHIPLEY, CAROLINE, US
[72] YU, HAN, US
[72] THADURI, JAGAN, US
[72] HONG, SEOYEON, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2023-09-01
[86] 2022-02-24 (PCT/US2022/017687)
[87] (WO2022/187072)
[30] US (63/155,448) 2021-03-02

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[13] A1
[51] **Int.Cl. H02K 35/02 (2006.01) F21V 33/00 (2006.01) H01K 7/06 (2006.01)**
[25] EN
[54] **ARTICLE WITH RANDOMIZED MOTION**
[54] **ARTICLE A MOUVEMENT ALEATOIRE**
[72] SCHNUCKLE, GARY, US
[71] SCHNU, LLC, US
[85] 2023-09-01
[86] 2022-03-03 (PCT/US2022/018718)
[87] (WO2022/187494)
[30] US (63/155,875) 2021-03-03

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[13] A1
[51] **Int.Cl. G06N 3/04 (2023.01) G06Q 30/02 (2023.01) G06N 3/08 (2023.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **RECOMMENDING MATCHES USING MACHINE LEARNING**
[54] **RECOMMANDATION DE CORRESPONDANCES PAR APPRENTISSAGE AUTOMATIQUE**
[72] STEVENS, TIMOTHY DIRK, US
[71] STEVENS, TIMOTHY DIRK, US
[85] 2023-09-01
[86] 2022-03-03 (PCT/US2022/018782)
[87] (WO2022/187545)
[30] US (17/192,845) 2021-03-04

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[13] A1
[51] **Int.Cl. H02P 25/03 (2016.01) F03D 9/25 (2016.01) H02K 19/10 (2006.01) H02P 9/48 (2006.01) H02P 21/00 (2016.01) H02P 21/04 (2006.01)**
[25] EN
[54] **WIRELESSLY TRANSFERING POWER WITHIN AN ELECTRIC MACHINE WITH ACTIVELY RECTIFIED ROTOR WINDINGS**
[54] **TRANSFERT SANS FIL DE PUISSANCE DANS UNE MACHINE ELECTRIQUE AVEC DES ENROULEMENTS DE ROTOR ACTIVEMENT REDRESSES**
[72] PENNINGTON, III, WALTER WESLEY, US
[72] SWINT, ETHAN BAGGET, US
[72] STEVENSON, GREGORY GORDON, US
[72] OWEN, MICHAEL PARKER, US
[72] DA COSTA, ANTHONY, US
[72] RUBIN, MATTHEW J., US
[72] PREINDL, MATTHIAS, US
[71] TAU MOTORS, INC., US
[85] 2023-09-01
[86] 2022-03-04 (PCT/US2022/019040)
[87] (WO2022/187714)
[30] US (63/157,560) 2021-03-05

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[13] A1
[51] **Int.Cl. A63B 23/00 (2006.01) A63B 21/00 (2006.01) A63B 21/055 (2006.01) A63B 21/072 (2006.01)**
[25] EN
[54] **EXERCISE BAR WITH DYNAMICALLY ROTATING HAND GRIPS**
[54] **BARRE D'EXERCICE DOTEE DE POIGNEES A ROTATION DYNAMIQUE**
[72] KINNEY, JOSEPH, US
[72] KINNEY, ETHAN, US
[71] RESISTANCE IN ROTATION CORPORATION, US
[85] 2023-09-01
[86] 2022-02-08 (PCT/US2022/070557)
[87] (WO2022/187778)
[30] US (17/188,654) 2021-03-01

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[13] A1
[51] **Int.Cl. A61K 31/337 (2006.01) A61K 31/35 (2006.01) A61K 31/366 (2006.01)**
[25] EN
[54] **SALINOMYCIN DERIVATIVES AND USES THEREOF**
[54] **DERIVES DE LA SALINOMYCINE ET LEURS UTILISATIONS**
[72] SUMAN, PATHI, US
[72] JONNALAGADDA, SUBASH C., US
[72] RAMANUJACHARY, KANDALAM, US
[72] PANDEY, MANOJ, US
[71] HILLSTREAM BIOPHARMA, INC., US
[85] 2023-09-01
[86] 2022-03-04 (PCT/US2022/070958)
[87] (WO2022/187849)
[30] US (63/157,361) 2021-03-05

[21] **3,212,521**
[13] A1
[25] EN
[54] **METHOD, APPARATUS, AND SYSTEM FOR AQUATIC MICROPLASTICS REMOVAL**
[54] **PROCEDE, APPAREIL ET SYSTEME D'ELIMINATION DE MICROPLASTIQUES EN MILIEU AQUATIQUE**
[72] LIU, YIDIAN, US
[72] BANKS, NATHANIAL, US
[72] CHEN, XI, US
[72] AMIN, MUHAMMAD JUNAID, US
[71] PROJECT PLASTIC LLC, US
[85] 2023-09-18
[86] 2022-03-18 (PCT/US2022/020934)
[87] (WO2022/203956)
[30] US (63/164,874) 2021-03-23

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[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 31/437 (2006.01) A61K 31/7068 (2006.01) A61K 45/06 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **A PI3K-DELTA INHIBITOR FOR THE TREATMENT OF PANCREATIC CANCER**
[54] **INHIBITEUR DE PI3K-DELTA POUR LE TRAITEMENT DU CANCER DU PANCREAS**
[72] JOHNSON, ZOE, CH
[72] NIEWOLA-STASZKOWSKA, KAROLINA, CH
[72] VAN DER VEEN, LARS, CH
[72] KONSTANTINIDOU, GEORGIA, CH
[71] IONCTURA SA, CH
[85] 2023-09-18
[86] 2022-03-29 (PCT/EP2022/058296)
[87] (WO2022/207648)
[30] GB (2104416.9) 2021-03-29
[30] GB (2108242.5) 2021-06-09
[30] GB (2117511.2) 2021-12-03

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[13] A1
[51] **Int.Cl. D21H 19/66 (2006.01) D21H 19/34 (2006.01) D21H 19/68 (2006.01)**
[25] EN
[54] **TIPPING PAPER WITH NANO-EMBOSSING**
[54] **PAPIER MANCHETTE A NANO-GAUFRAGE**
[72] LINDNER, MICHAEL, AT
[72] KNAUSEDER, BERNHARD, AT
[71] TANNPAPIER GMBH, AT
[85] 2023-09-18
[86] 2022-05-02 (PCT/AT2022/060150)
[87] (WO2022/232856)
[30] AT (A 50344/2021) 2021-05-04

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[13] A1
[51] **Int.Cl. C04B 28/04 (2006.01) C09K 8/467 (2006.01) C09K 8/487 (2006.01)**
[25] EN
[54] **WATER-DISPERSIBLE POLYMER POWDER COMPOSITIONS FOR CEMENTING IN SUBTERRANEAN FORMATION, THEIR MANUFACTURE AND USE**
[54] **COMPOSITIONS DE POUDRE DE POLYMERE DISPERSIBLES DANS L'EAU POUR LA CIMENTATION DANS UNE FORMATION SOUTERRAINE, LEUR FABRICATION ET LEUR UTILISATION**
[72] SCHMIDTKE, CHRISTIAN, DE
[72] ASSMANN, ANDREA, DE
[72] WINKLBAUER, MARTIN, DE
[72] WOLFERSTETTER, LISA, DE
[71] BASF SE, DE
[85] 2023-09-18
[86] 2022-03-17 (PCT/EP2022/056923)
[87] (WO2022/200156)
[30] EP (21164356.4) 2021-03-23

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[13] A1
[51] **Int.Cl. F21V 21/38 (2006.01) F21V 21/03 (2006.01)**
[25] EN
[54] **CEILING FIXTURE ACCESSIBILITY DEVICE**
[54] **DISPOSITIF D'ACCESSIBILITE POUR PLAFONNIERS**
[72] DIETZ, ROBERT M., US
[71] SEAS II DAY, LLC, US
[85] 2023-09-18
[86] 2022-03-20 (PCT/US2022/021054)
[87] (WO2022/203974)
[30] US (63/163,787) 2021-03-20

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[13] A1
[51] **Int.Cl. B32B 23/08 (2006.01)**
[25] FR
[54] **METHOD FOR IMPROVING THE AIRTIGHTNESS OF BUILDINGS USING A BIOPOLYMER-BASED MEMBRANE**
[54] **PROCEDE D'AMELIORATION DE L'ETANCHEITE A L'AIR DE BATIMENTS UTILISANT UNE MEMBRANE A BASE DE BIOPOLYMERES**
[72] AZEVEDO, JOEL, FR
[72] CHENAL, MARION, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2023-09-18
[86] 2022-04-05 (PCT/FR2022/050635)
[87] (WO2022/214763)
[30] FR (FR2103507) 2021-04-06

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[13] A1
[51] **Int.Cl. G01N 37/00 (2006.01) G01N 27/904 (2021.01) G01N 27/90 (2021.01) G01N 29/22 (2006.01)**
[25] EN
[54] **ADAPTABLE APPARATUS FOR NON-DESTRUCTIVE INSPECTION**
[54] **APPAREIL ADAPTABLE POUR INSPECTION NON DESTRUCTRICE**
[72] TRACHY-CLOUTIER, JUSTIN, CA
[72] GAGNON-LACHANCE, CHRISTIAN, CA
[71] EVIDENT CANADA, INC., CA
[85] 2023-09-05
[86] 2022-03-03 (PCT/CA2022/050299)
[87] (WO2022/183290)
[30] US (63/200,424) 2021-03-05
[30] US (63/200,514) 2021-03-11
[30] US (63/203,166) 2021-07-12

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[13] A1
[51] **Int.Cl. G16H 40/40 (2018.01) G16H 40/60 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD TO AUTONOMOUSLY AND REMOTELY MONITOR, ANALYZE AND RESPOND TO PHYSIOLOGICAL AND DIAGNOSTIC DEVICE DATA FROM A MEDICAL IMPLANT**
[54] **SYSTEME ET PROCEDE POUR SURVEILLER, ANALYSER ET REPONDRE DE FACON AUTONOME ET A DISTANCE A DES DONNEES DE DISPOSITIF PHYSIOLOGIQUE ET DIAGNOSTIQUE PROVENANT D'UN IMPLANT MEDICAL**
[72] HORTON, JAMES, US
[72] KRAITER, LAUREN, US
[72] KIBLER, ANDREW B., US
[72] GUTE, ANDREAS, US
[72] KIMBER, ADRIAN, US
[72] HILLS, BRIAN, US
[72] DABNEY, WARREN, US
[72] SLEE, SEAN, US
[71] BIOTRONIK SE & CO. KG, DE
[85] 2023-09-18
[86] 2022-04-07 (PCT/EP2022/059244)
[87] (WO2022/218808)
[30] US (63/175,598) 2021-04-16
[30] EP (21173347.2) 2021-05-11

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[13] A1
[51] **Int.Cl. H01S 3/139 (2006.01) H01S 5/06 (2006.01)**
[25] EN
[54] **A RESONANT CAVITY AND A METHOD OF MANUFACTURING THE SAME**
[54] **CAVITE RESONANTE ET SON PROCEDE DE FABRICATION**
[72] BISSON, JEAN-FRANCOIS, CA
[71] UNIVERSITE DE MONCTON, CA
[85] 2023-09-18
[86] 2021-07-09 (PCT/CA2021/050942)
[87] (WO2022/198298)
[30] US (17/301,050) 2021-03-23

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTI-CLDN6 ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-CLDN6 ET SON UTILISATION**
[72] DU, LIANG, CN
[72] ZHANG, HONGYAN, CN
[72] JIN, LINA, CN
[72] CHEN, YALI, CN
[72] WAN, TINGTING, CN
[72] XU, LIULIU, CN
[72] YUAN, JIJUN, CN
[71] SHANGHAI GENBASE BIOTECHNOLOGY CO., LTD., CN
[85] 2023-09-05
[86] 2021-03-05 (PCT/CN2021/079380)
[87] (WO2022/183502)

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[13] A1
[51] **Int.Cl. A61B 50/13 (2016.01) A61B 90/50 (2016.01)**
[25] EN
[54] **A MOBILE SELF-POWERED MEDICAL SERVICES TROLLEY FOR USE IN AN OPERATING THEATRE**
[54] **CHARIOT DE SERVICES MEDICAUX AUTO-ALIMENTE MOBILE DESTINE A ETRE UTILISE DANS UNE SALLE D'OPERATION**
[72] WALTON, CRAIG, XX
[72] ULLRICH, NICHOLAS, XX
[71] SC MEDICAL PTY LTD, AU
[85] 2023-09-18
[86] 2022-03-17 (PCT/AU2022/050231)
[87] (WO2022/192953)
[30] AU (2021900767) 2021-03-17

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[13] A1
[51] **Int.Cl. G06N 3/04 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **ANOMALY DETECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DETECTION D'ANOMALIE**
[72] ANDREI M., MANOLACHE, RO
[72] FLORIN M., BRAD, RO
[72] ALEXANDRU, NOVAC, RO
[72] ELENA, BURCEANU, RO
[71] BITDEFENDER IPR MANAGEMENT LTD, CY
[85] 2023-09-18
[86] 2022-03-28 (PCT/EP2022/058130)
[87] (WO2022/214348)
[30] US (17/301,641) 2021-04-09

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[13] A1
[51] **Int.Cl. H04W 72/04 (2023.01)**
[25] EN
[54] **RESOURCE ALLOCATION METHOD AND COMMUNICATION APPARATUS**
[54] **PROCEDE D'ATTRIBUTION DE RESSOURCES ET DISPOSITIF DE COMMUNICATION**
[72] HU, MENGSHI, CN
[72] YU, JIAN, CN
[72] GAN, MING, CN
[72] LI, YUNBO, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-09-05
[86] 2022-02-28 (PCT/CN2022/078501)
[87] (WO2022/184032)
[30] CN (202110247423.3) 2021-03-05

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[13] A1
[25] FR
[54] **CONTROL DEVICE**
[54] **DISPOSITIF DE PILOTAGE**
[72] GRANIER, BENOIT, BE
[72] NIVARLET, NOAN, BE
[72] DAUBE, SIMON, BE
[72] STRAAT, JULIEN, BE
[71] UNISENSOR, BE
[85] 2023-09-18
[86] 2022-03-21 (PCT/EP2022/057342)
[87] (WO2022/200270)
[30] BE (BE2021/5216) 2021-03-22
[30] BE (BE2021/5217) 2021-03-22
[30] BE (BE2021/5218) 2021-03-22

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[13] A1
[51] **Int.Cl. A61K 31/30 (2006.01)**
[25] EN
[54] **COPPER HISTIDINATE COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS D'HISTIDINE DE CUIVRE ET LEURS UTILISATIONS**
[72] YAM, LUNG S., US
[72] NIECESTRO, ROBERT, US
[72] MUNIM, SHAMA, US
[71] CYPRIUM THERAPEUTICS, INC., US
[85] 2023-09-18
[86] 2022-03-17 (PCT/US2022/020786)
[87] (WO2022/197948)
[30] US (63/162,975) 2021-03-18

[21] **3,212,537**
[13] A1
[25] EN
[54] **A SYSTEM FOR SENSING AND RECOGNIZING ACOUSTIC AND/OR VIBRATIONAL ANOMALIES ASSOCIATED WITH A SITE TO BE MONITORED**
[54] **SYSTEME DE DETECTION ET DE RECONNAISSANCE D'ANOMALIES ACOUSTIQUES ET/OU VIBRATOIRES ASSOCIEES A UN SITE A SURVEILLER**
[72] CIRINNA', FABIO, IT
[72] BUSA, ANDREA GIORGIO, IT
[71] LEONARDO SPA, IT
[85] 2023-09-18
[86] 2022-03-21 (PCT/IB2022/052554)
[87] (WO2022/200994)
[30] IT (102021000007157) 2021-03-24

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[13] A1
[51] **Int.Cl. H04W 76/19 (2018.01)**
[25] EN
[54] **SERVICE NOTIFICATION METHOD, APPARATUS AND DEVICE, AND READABLE STORAGE MEDIUM**
[54] **PROCEDE, APPAREIL ET DISPOSITIF DE NOTIFICATION DE SERVICE, ET SUPPORT DE STOCKAGE LISIBLE**
[72] XIE, FANG, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2023-09-05
[86] 2022-03-02 (PCT/CN2022/078860)
[87] (WO2022/184104)
[30] CN (202110247442.6) 2021-03-05

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[13] A1
[51] **Int.Cl. H04N 21/242 (2011.01) H04N 21/43 (2011.01) H04N 5/04 (2006.01)**
[25] EN
[54] **A METHOD OF PROVIDING A TIME-SYNCHRONIZED MULTI-STREAM DATA TRANSMISSION**
[54] **PROCEDE DE FOURNITURE D'UNE TRANSMISSION DE DONNEES MULTI-FLUX SYNCHRONISEE DANS LE TEMPS**
[72] THACKER, MICHAEL DON, ZA
[72] BARRETT, BRENDAN, ZA
[71] MOBII SYSTEMS (PTY) LTD, ZA
[85] 2023-09-01
[86] 2022-03-02 (PCT/ZA2022/050010)
[87] (WO2022/187876)
[30] ZA (2021/01483) 2021-03-04

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[13] A1
[51] **Int.Cl. B65D 3/04 (2006.01) B65D 3/14 (2006.01) B65D 3/22 (2006.01)**
[25] EN
[54] **CAN**
[54] **BOITE**
[72] SCHONIG, CHRISTOPH, CH
[71] ENVICAN GMBH, CH
[85] 2023-09-18
[86] 2022-04-15 (PCT/EP2022/060162)
[87] (WO2022/219176)
[30] AT (A50285/2021) 2021-04-16

[21] **3,212,542**
[13] A1
[25] EN
[54] **AN ANIMAL TAG APPLICATOR**
[54] **APPLICATEUR D'ETIQUETTE POUR ANIMAL**
[72] FILIPPELLI, ANTONIN MAURICE PATRICK, FR
[72] WILKINSON, BENJAMIN THOMAS JOHN, AU
[72] LE MAY, QUENTIN SERGE, FR
[72] TEYCHENE, BRUNO PHILIPPE JEAN, FR
[71] ALLFLEX AUSTRALIA PTY LIMITED, AU
[71] CHEVILLOT SAS, FR
[85] 2023-09-18
[86] 2022-04-07 (PCT/IB2022/053251)
[87] (WO2022/215018)
[30] EP (21305457.0) 2021-04-08

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[13] A1
[51] **Int.Cl. C07H 1/08 (2006.01) C12P 7/56 (2006.01) C12P 19/02 (2006.01) C12P 19/14 (2006.01) D21C 3/24 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR TREATING BIOMASS FOR ON-SITE PRODUCTION OF CELLULOLYTIC ENZYMES AND METHOD OF USING THE ENZYMES TO MANUFACTURE FUELS AND CHEMICALS**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE BIOMASSE POUR LA PRODUCTION SUR SITE D'ENZYMES CELLULOLYTIQUES ET PROCEDE D'UTILISATION DES ENZYMES POUR FABRIQUER DES CARBURANTS ET DES PRODUITS CHIMIQUE**
[72] LEHRBURGER, EDWIN R., US
[72] LASKAR, DHRUBOJYOTI D., US
[72] JIANG, ZHIHUA, US
[72] LI, JING, US
[72] CULLINAN, HARRY, US
[72] LEE, YOON Y., US
[71] AUBURN UNIVERSITY, US
[71] PUREVISION TECHNOLOGY LLC, US
[85] 2023-09-18
[86] 2022-03-17 (PCT/US2022/020800)
[87] (WO2022/197957)
[30] US (63/162,623) 2021-03-18

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[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 9/19 (2006.01) A61K 31/337 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **STABLE DOCETAXEL ALBUMIN NANOPARTICLE COMPOSITION**
[54] **COMPOSITION DE NANOPARTICULES D'ALBUMINE ET DE DOCETAXEL STABLE**
[72] LI, CHUNLEI, CN
[72] ZHANG, XIAOJUN, CN
[72] ZHAO, YUANYUAN, CN
[72] CHEN, DONGJIAN, CN
[72] LIANG, MIN, CN
[72] XING, QIANBIN, CN
[72] LI, NAN, CN
[72] SHU, YUN, CN
[71] CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD, CN
[85] 2023-09-05
[86] 2022-03-04 (PCT/CN2022/079286)
[87] (WO2022/184164)
[30] CN (202110243298.9) 2021-03-05

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[13] A1
[51] **Int.Cl. C09C 1/02 (2006.01) C01F 11/18 (2006.01) C08K 9/06 (2006.01) C08K 9/02 (2006.01) C09C 3/08 (2006.01) C09C 3/12 (2006.01)**
[25] EN
[54] **SURFACE MODIFIED CALCIUM CARBONATE AND USE THEREOF IN POLYMER SYSTEMS**
[54] **CARBONATE DE CALCIUM A SURFACE MODIFIEE ET SON UTILISATION DANS DES SYSTEMES POLYMERES**
[72] GRIGORIEFF, SHAMILA, FR
[72] ESPOSITO, ANAELLE, FR
[72] BASSALER, ALICE, DE
[72] RODARY, GAELLE, FR
[71] IMERTECH SAS, FR
[85] 2023-09-05
[86] 2022-03-07 (PCT/EP2022/055712)
[87] (WO2022/189338)
[30] EP (21305276.4) 2021-03-08

[21] **3,212,546**
[13] A1
[25] EN
[54] **TRANSFER TRAY AND PRIMING CART FOR NEONATAL CANNULATION AND RELATED METHODS**
[54] **PLATEAU DE TRANSFERT ET CHARIOT D'AMORCAGE POUR CANULATION NEONATALE ET METHODES ASSOCIEES**
[72] MARTIN, JOSHUA, US
[72] ZITNICK, DANA, US
[72] BROWN, SPENCER, US
[72] GAIDOS, DUSTIN, US
[72] GORDON, JOSEPH, US
[72] FLAKE, ALAN W., US
[72] DAVEY, MARCUS GRAEME, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2023-09-18
[86] 2022-04-28 (PCT/US2022/026848)
[87] (WO2022/232468)
[30] US (63/180,819) 2021-04-28

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[13] A1
[51] **Int.Cl. E21B 15/04 (2006.01)**
[25] EN
[54] **OPERATING SYSTEM, ROCK DRILLING RIG AND METHOD**
[54] **SYSTEME D'EXPLOITATION, APPAREIL DE FORAGE AU ROCHER ET PROCEDE**
[72] VERHO, SAMULI, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2023-09-18
[86] 2022-03-31 (PCT/EP2022/058569)
[87] (WO2022/207791)
[30] EP (21166442.0) 2021-03-31

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[13] A1
[51] **Int.Cl. F04D 7/04 (2006.01) F04D 29/02 (2006.01) F04D 29/22 (2006.01) F04D 29/42 (2006.01) F04D 29/70 (2006.01)**
[25] EN
[54] **WEAR ELEMENT FOR A SLURRY PUMP**
[54] **ELEMENT D'USURE POUR POMPE A BOUES**
[72] TUOMISALO, AKI, FI
[71] METSO OUTOTEC SWEDEN AB, SE
[85] 2023-09-05
[86] 2022-03-08 (PCT/EP2022/055818)
[87] (WO2022/189395)
[30] EP (21161576.0) 2021-03-09

[21] **3,212,549**
[13] A1
[25] EN
[54] **VARIANT BACTERIAL STRAINS AND PROCESSES FOR PROTEIN OR BIOMASS PRODUCTION**
[54] **SOUCHES BACTERIENNES VARIANTES ET PROCEDES DE PRODUCTION DE PROTEINES OU DE BIOMASSE**
[72] JAMSA, TYTTI, FI
[72] PITKANEN, JUHA-PEKKA, FI
[72] SALUSJARVI, LAURA, FI
[71] SOLAR FOODS OY, FI
[85] 2023-09-18
[86] 2022-04-07 (PCT/FI2022/050229)
[87] (WO2022/229504)
[30] FI (20215494) 2021-04-28

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[13] A1
[51] **Int.Cl. C10G 9/36 (2006.01)**
[25] EN
[54] **METHOD AND PLANT FOR STEAM CRACKING**
[54] **PROCEDE ET INSTALLATION DE VAPOCRAQUAGE**
[72] ZELLHUBER, MATHIEU, DE
[72] BRUDER, DAVID, DE
[72] HORENZ, MICHAEL, DE
[72] GLOMB, STEFAN, DE
[72] EBERSTEIN, CHRISTOPHER, DE
[71] LINDE GMBH, DE
[85] 2023-09-05
[86] 2022-03-08 (PCT/EP2022/055873)
[87] (WO2022/189421)
[30] EP (21161729.5) 2021-03-10

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[13] A1
[51] **Int.Cl. C12N 15/87 (2006.01) A61K 41/00 (2020.01)**
[25] EN
[54] **METHODS FOR DELIVERING A CARGO INTO A CELL**
[54] **PROCEDES DE DISTRIBUTION D'UNE CARGAISON DANS UNE CELLULE**
[72] BRAECKMANS, KEVIN, BE
[72] HARIZAJ, ARANIT, BE
[72] DE SMEDT, STEFAAN, BE
[72] SAUVAGE, FELIX, FR
[71] TRINCE BV, BE
[85] 2023-09-05
[86] 2022-03-11 (PCT/EP2022/056333)
[87] (WO2022/189627)
[30] EP (21162290.7) 2021-03-12

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[13] A1
[51] **Int.Cl. A63B 22/02 (2006.01)**
[25] EN
[54] **MOTORIZED ROTATABLE TREADMILL AND SYSTEM FOR CREATING THE ILLUSION OF MOVEMENT**
[54] **TAPIS ROULANT ROTATIF MOTORISE ET SYSTEME POUR CREER L'ILLUSION DE MOUVEMENT**
[72] GUERTIN, MATTHEW, US
[71] INFINISET, INC., US
[85] 2023-09-18
[86] 2022-03-18 (PCT/US2022/020919)
[87] (WO2022/198028)
[30] US (63/163,135) 2021-03-19

[21] **3,212,554**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **CHILD SAFETY SEAT**
[54] **SIEGE DE SECURITE POUR ENFANT**
[72] MASON, KYLE S., US
[72] HARMES V, CLYDE S., US
[72] MALM, LEIF, US
[71] WONDERLAND SWITZERLAND AG, CH
[85] 2023-09-05
[86] 2022-03-11 (PCT/EP2022/056383)
[87] (WO2022/189650)
[30] US (63/159,727) 2021-03-11
[30] US (63/221,502) 2021-07-14
[30] US (63/221,503) 2021-07-14

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[13] A1
[51] **Int.Cl. C21C 5/52 (2006.01) C22B 1/24 (2006.01) C22B 1/244 (2006.01) C22B 1/245 (2006.01)**
[25] EN
[54] **PELLET**
[54] **PELLET**
[72] JOYCE, RICHARD, GB
[72] KINGSLEY-ADAMS, TAMSYN, GB
[71] BINDING SOLUTIONS LTD, GB
[85] 2023-09-18
[86] 2022-03-18 (PCT/GB2022/050691)
[87] (WO2022/200770)
[30] GB (2103972.2) 2021-03-22

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[13] A1
[51] **Int.Cl. A61F 2/82 (2013.01) A61F 2/07 (2013.01) A61F 2/97 (2013.01)**
[25] EN
[54] **TWO-STAGE DEPLOYMENT SHEATH SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE GAINE DE DEPLOIEMENT A DEUX ETAPES**
[72] HONEYFIELD, EVAN, US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2023-09-18
[86] 2021-04-06 (PCT/US2021/025919)
[87] (WO2022/216276)

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[13] A1
[51] **Int.Cl. C07C 5/48 (2006.01) C07C 11/04 (2006.01) C07C 51/215 (2006.01) C07C 53/08 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR PRODUCING A PRODUCT HYDROCARBON**
[54] **PROCEDE ET SYSTEME DE PRODUCTION D'UN PRODUIT HYDROCARBONE**
[72] ZELLHUBER, MATHIEU, DE
[72] SCHUBERT, MARTIN, DE
[72] MEISWINKEL, ANDREAS, DE
[72] WOHL, ANINA, DE
[71] LINDE GMBH, DE
[85] 2023-09-05
[86] 2022-03-14 (PCT/EP2022/056566)
[87] (WO2022/194791)
[30] EP (21162664.3) 2021-03-15

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[13] A1
[51] **Int.Cl. C07C 5/48 (2006.01) B01J 19/00 (2006.01) B01J 23/20 (2006.01) B01J 32/00 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR PREPARING A TARGET COMPOUND**
[54] **PROCEDE ET INSTALLATION POUR LA PRODUCTION D'UN COMPOSE CIBLE**
[72] ZELLHUBER, MATHIEU, DE
[72] SCHUBERT, MARTIN, DE
[72] MEISWINKEL, ANDREAS, DE
[72] MULLER, WOLFGANG, DE
[72] MESTL, GERHARD, DE
[72] WANNINGER, KLAUS, DE
[72] SCHECK, PETER, DE
[71] LINDE GMBH, DE
[71] CLARIANT INTERNATIONAL LTD., CH
[85] 2023-09-05
[86] 2022-03-14 (PCT/EP2022/056568)
[87] (WO2022/194792)
[30] DE (10 2021 202 492.0) 2021-03-15

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[13] A1
[51] **Int.Cl. C07C 5/48 (2006.01) B01J 23/20 (2006.01) B01J 32/00 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **METHOD AND PLANT FOR PRODUCING A TARGET COMPOUND**
[54] **PROCEDE ET INSTALLATION POUR PRODUIRE UN COMPOSE CIBLE**
[72] ZELLHUBER, MATHIEU, DE
[72] SCHUBERT, MARTIN, DE
[72] MEISWINKEL, ANDREAS, DE
[72] MULLER, WOLFGANG, DE
[72] HAIDEGGER, ERNST, DE
[72] MESTL, GERHARD, DE
[72] WANNINGER, KLAUS, DE
[72] SCHECK, PETER, DE
[71] LINDE GMBH, DE
[71] CLARIANT INTERNATIONAL LTD., CH
[85] 2023-09-05
[86] 2022-03-14 (PCT/EP2022/056572)
[87] (WO2022/194794)
[30] DE (10 2021 202 505.6) 2021-03-15

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[13] A1
[51] **Int.Cl. C07C 5/48 (2006.01) B01J 19/00 (2006.01) B01J 23/28 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR PREPARING A TARGET COMPOUND**
[54] **PROCEDE ET SYSTEME DE PREPARATION D'UN COMPOSE CIBLE**
[72] ZELLHUBER, MATHIEU, DE
[72] SCHUBERT, MARTIN, DE
[72] MEISWINKEL, ANDREAS, DE
[72] MULLER, WOLFGANG, DE
[72] HAIDEGGER, ERNST, DE
[72] MESTL, GERHARD, DE
[72] WANNINGER, KLAUS, DE
[72] SCHECK, PETER, DE
[71] LINDE GMBH, DE
[71] CLARIANT INTERNATIONAL LTD., CH
[85] 2023-09-05
[86] 2022-03-14 (PCT/EP2022/056573)
[87] (WO2022/194795)
[30] DE (10 2021 202 500.5) 2021-03-15

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[13] A1
[51] **Int.Cl. C07D 209/14 (2006.01) A61K 31/4045 (2006.01) A61P 25/04 (2006.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **PSILOCYBIN ANALOGS, SALTS, COMPOSITIONS, AND METHODS OF USE**
[54] **ANALOGUES DE PSILOCYBINE, SELS, COMPOSITIONS ET PROCEDES D'UTILISATION**
[72] NIVOROZHKIN, ALEX, US
[72] PALFREYMAN, MICHAEL, US
[72] PATHARE, PRADIP, US
[72] AVERY, KENNETH L., US
[72] SHUKOOR, MOHAMMED, US
[72] HUANG, JAMES HE, US
[72] MORGAN, MICHAEL E., US
[72] KRAKOWSKY, JOAN M., US
[71] CYBIN IRL LIMITED, IE
[85] 2023-09-18
[86] 2022-03-17 (PCT/EP2022/056991)
[87] (WO2022/195011)
[30] US (63/162,749) 2021-03-18
[30] US (63/276,117) 2021-11-05

[21] **3,212,567**
[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61K 47/60 (2017.01) A61K 47/62 (2017.01) A61K 47/64 (2017.01) C08G 65/334 (2006.01)**
[25] EN
[54] **DENDRITIC PEPTIDE CONJUGATED POLYMERS FOR EFFICIENT INTRACELLULAR DELIVERY OF NUCLEIC ACIDS TO IMMUNE CELLS**
[54] **POLYMERES CONJUGUES DE PEPTIDES DENDRITIQUES POUR ADMINISTRATION INTRACELLULAIRE EFFICACE D'ACIDES NUCLEIQUES A DES CELLULES IMMUNITAIRES**
[72] SCOTT, EVAN ALEXANDER, US
[72] YI, SIJIA, US
[71] NORTHWESTERN UNIVERSITY, US
[85] 2023-09-18
[86] 2022-03-17 (PCT/US2022/020827)
[87] (WO2022/197977)
[30] US (63/162,507) 2021-03-17

[21] **3,212,568**
[13] A1
[51] **Int.Cl. E06B 9/40 (2006.01) E06B 9/34 (2006.01)**
[25] EN
[54] **LIGHTED ARCHITECTURAL-STRUCTURE COVERING**
[54] **REVETEMENT DE STRUCTURE ARCHITECTURALE ECLAIRE**
[72] CHURCH, COTY, US
[72] SIEBENALLER, MICHAEL J., US
[72] DANN, KEVIN M., US
[72] WHITE, CHRISTOPHER M., US
[71] HUNTER DOUGLAS INC., US
[85] 2023-09-18
[86] 2021-03-23 (PCT/US2021/023587)
[87] (WO2022/203653)

[21] **3,212,569**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 47/10 (2017.01)**
[25] EN
[54] **COMPOSITE OROMUCOSAL FILM COMPOSITIONS COMPRISING EPINEPHRINE PARTICLES**
[54] **COMPOSITIONS DE FILM BUCCAL COMPOSITE COMPRENANT DES PARTICULES D'EPINEPHRINE**
[72] MASEK, JOSEF, CZ
[72] MASKOVA, ELISKA, CZ
[72] CHISHOLM, ROBERT C H, GB
[71] MASEK, JOSEF, CZ
[71] MASKOVA, ELISKA, CZ
[71] CHISHOLM, ROBERT C H, GB
[85] 2023-09-18
[86] 2022-03-17 (PCT/IB2022/052411)
[87] (WO2022/195521)
[30] US (63/161,976) 2021-03-16

[21] **3,212,570**
[13] A1
[25] EN
[54] **NEGATIVE PRESSURE WOUND THERAPY DEVICES**
[54] **DISPOSITIFS DE TRAITEMENT DE PLAIES PAR PRESSION NEGATIVE**
[72] ASKEM, BEN ALAN, GB
[72] DAVIES, WILLIAM, GB
[72] ELDER, DAVID MICHAEL, GB
[72] GLENCROSS, JAMES CUNNINGHAM, GB
[72] JOHNSON, DANIELLE SUSAN, GB
[72] MADRIZ, CAMILO PATRICK, GB
[72] MAGGIORE, ANDREA, GB
[72] MCLUSKY, JAMES DONALD, GB
[72] WEBB, CHRISTOPHER JOHN, GB
[72] WEEDON, HANNAH BAILEY, GB
[71] T.J. SMITH AND NEPHEW, LIMITED, GB
[85] 2023-09-18
[86] 2022-03-23 (PCT/EP2022/057668)
[87] (WO2022/200453)
[30] GB (2104021.7) 2021-03-23
[30] GB (2116401.7) 2021-11-15

[21] **3,212,571**
[13] A1
[51] **Int.Cl. C07D 309/02 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR REGULATING TRAINED IMMUNITY, AND THEIR METHODS OF USE**
[54] **COMPOSES POUR REGULER L'IMMUNITE ENTRAINEE, ET LEURS PROCEDES D'UTILISATION**
[72] JANSSEN, HENRICUS MARIE, US
[72] HOEBEN, FREEK JOHANNES MARIA, US
[72] GENABEEK, BAS VAN, US
[72] SONTJENS, SERGE HENDRIKUS MATHIJS, US
[72] MULDER, WILLEM M.J., US
[71] TRAINED THERAPEUTIX DISCOVERY, INC., US
[71] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
[85] 2023-09-18
[86] 2022-03-18 (PCT/US2022/021035)
[87] (WO2022/198101)
[30] US (63/163,428) 2021-03-19

[21] **3,212,572**
[13] A1
[51] **Int.Cl. B60Q 1/52 (2006.01)**
[25] EN
[54] **MULTI-LIGHTING PROJECTION WARNING DEVICE FOR VEHICLE TURNING**
[54] **DISPOSITIF D'AVERTISSEMENT PAR PROJECTION MULTILUMIERE POUR LE VIRAGE DE VEHICULES**
[72] CHING, YA-CHI, CN
[71] CHING, YA-CHI, CN
[85] 2023-09-18
[86] 2021-03-18 (PCT/CN2021/081478)
[87] (WO2022/193216)

[21] **3,212,573**
[13] A1
[51] **Int.Cl. F15B 15/14 (2006.01) F15B 15/22 (2006.01)**
[25] EN
[54] **HYDRAULIC CYLINDER SNUBBING RETENTION ARRANGEMENT**
[54] **AGENCEMENT DE RETENUE D'AMORTISSEMENT DE CYLINDRE HYDRAULIQUE**
[72] KULKARNI, PRASANNA V., US
[72] GOSLOVICH, KURT S., US
[72] VEDARAJ, ANAND J., IN
[71] CATERPILLAR INC., US
[85] 2023-09-18
[86] 2022-03-21 (PCT/US2022/021119)
[87] (WO2022/204011)
[30] IN (202111012359) 2021-03-23
[30] US (17/317,264) 2021-05-11

[21] **3,212,574**
[13] A1
[25] EN
[54] **METHOD AND DEVICE FOR MINIMALLY INVASIVE CONSTRUCTION OF ADDITIONAL LEVEL ON A BUILDING**
[54] **PROCEDE ET DISPOSITIF POUR UNE CONSTRUCTION A INVASION MINIMALE D'UN NIVEAU SUPPLEMENTAIRE SUR UN BATIMENT**
[72] STROUT, BENJAMIN ORA, US
[71] BOS DESIGNS, LLC, US
[85] 2023-09-18
[86] 2022-03-11 (PCT/US2022/019899)
[87] (WO2022/197542)
[30] US (63/163,476) 2021-03-19

[21] **3,212,575**
[13] A1
[51] **Int.Cl. A45D 40/16 (2006.01)**
[25] EN
[54] **REFILLABLE DISPENSER FOR A STICK PRODUCT**
[54] **DISTRIBUTEUR RECHARGEABLE POUR PRODUIT EN BATON**
[72] YAN, JIAN, CA
[72] GARRISON, CHAD, US
[71] ELC MANAGEMENT LLC, US
[85] 2023-09-18
[86] 2022-03-14 (PCT/US2022/020179)
[87] (WO2022/203893)
[30] US (17/209,843) 2021-03-23

[21] **3,212,576**
[13] A1
[51] **Int.Cl. E05B 15/04 (2006.01)**
[25] EN
[54] **DRILL RESISTANT LOCK CYLINDER AND METHOD OF MANUFACTURING**
[54] **BARILLET DE SERRURE RESISTANT AU PERCAGE ET SON PROCEDE DE FABRICATION**
[72] FARAG, HANNA, US
[72] LIN, JAMES, US
[72] BLOOM, MARK, US
[71] SPECTRUM BRANDS, INC., US
[85] 2023-09-18
[86] 2022-03-22 (PCT/US2022/021355)
[87] (WO2022/204154)
[30] US (63/165,517) 2021-03-24

[21] **3,212,577**
[13] A1
[25] EN
[54] **SURGICAL DRAIN FOR COLLECTION AND PRESERVATION OF TUMOR-ASSOCIATED BIOMARKERS IN SURGICAL DRAIN FLUID**
[54] **DRAIN CHIRURGICAL POUR LA COLLECTE ET LA CONSERVATION DE BIOMARQUEURS ASSOCIES A UNE TUMEUR DANS UN FLUIDE DE DRAIN CHIRURGICAL**
[72] ZEVALLOS, JOSE, US
[72] RAMIREZ, RICARDO, US
[72] WAHLE, BENJAMIN, US
[72] CHAUDHURI, AADEL, US
[71] WASHINGTON UNIVERSITY, US
[85] 2023-09-18
[86] 2022-03-18 (PCT/US2022/020889)
[87] (WO2022/198008)
[30] US (63/163,639) 2021-03-19

[21] **3,212,578**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY INVOLVING ANTIBODIES AGAINST CLAUDIN 18.2 FOR TREATMENT OF CANCER**
[54] **POLYTHERAPIE IMPLIQUANT DES ANTICORPS DIRIGES CONTRE LA CLAUDINE 18.2 POUR LE TRAITEMENT DU CANCER**
[72] BHATTACHARYA, PRANOB P., US
[72] WENG, JANE, JP
[72] KINUGASA, FUMITAKA, JP
[71] ASTELLAS PHARMA INC., JP
[85] 2023-09-18
[86] 2022-03-24 (PCT/JP2022/017017)
[87] (WO2022/203090)
[30] US (63/166,019) 2021-03-25

[21] **3,212,579**
[13] A1
[51] **Int.Cl. B62M 11/06 (2006.01) B62M 6/55 (2010.01) B62M 25/08 (2006.01) F16D 11/12 (2006.01) F16D 23/12 (2006.01) F16H 3/083 (2006.01) F16H 3/089 (2006.01)**
[25] FR
[54] **GEAR SHIFT DEVICE AND ASSOCIATED MOBILITY VEHICLE**
[54] **DISPOSITIF DE CHANGEMENT DE VITESSE ET ENGIN DE MOBILITE ASSOCIE**
[72] LAURENS, CHRISTOPHE, FR
[72] CAILLAUD, JONATHAN, FR
[72] BOULET, JEROME, FR
[72] YACOUBI, NADIA, FR
[71] VALEO EMBRAYAGES, FR
[85] 2023-09-18
[86] 2022-02-17 (PCT/EP2022/053992)
[87] (WO2022/199954)
[30] FR (FR2102809) 2021-03-21

[21] **3,212,580**
[13] A1
[25] EN
[54] **A RADIAL SEPARATION SEAL**
[54] **JOINT DE SEPARATION RADIAL**
[72] SIHRA, INDERPAL, GB
[72] NICHOLLS, AIDAN, GB
[72] LOPEZ, ISAAC, GB
[71] JOHN CRANE UK LIMITED, GB
[85] 2023-09-18
[86] 2022-03-15 (PCT/GB2022/050659)
[87] (WO2022/195270)
[30] GB (2103583.7) 2021-03-15

[21] **3,212,582**
[13] A1
[51] **Int.Cl. E04F 21/08 (2006.01) B05B 13/04 (2006.01) E04F 21/16 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR WORKING A WET COATING ON A SURFACE AND A METHOD OF THE SAME**
[54] **APPAREIL POUR TRAVAILLER UN REVETEMENT HUMIDE SUR UNE SURFACE ET PROCEDE DE CELUI-CI**
[72] SOLER, ELODIE, GB
[72] HOLLOWAY, MATTHEW, GB
[72] HAMBLIN, CHRIS, GB
[72] KIFF, JOSHUA, GB
[72] JOLLY, TOM, GB
[72] NAPIER, ASHLEY, GB
[72] WAGH, SHUBHAM, GB
[71] Q-BOT LIMITED, GB
[85] 2023-09-18
[86] 2022-03-25 (PCT/GB2022/050751)
[87] (WO2022/208057)
[30] GB (2104418.5) 2021-03-29

[21] **3,212,583**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/196 (2006.01) A61K 31/216 (2006.01) A61K 31/4184 (2006.01) A61K 31/436 (2006.01) A61K 31/5377 (2006.01) A61K 47/14 (2017.01)**
[25] EN
[54] **COMPOSITIONS HAVING IMPROVED BIOAVAILABILITY OF THERAPEUTICS**
[54] **COMPOSITIONS AYANT UNE BIODISPONIBILITE D'AGENTS THERAPEUTIQUES AMELIOREE**
[72] GOODING, DANIEL, GB
[72] BREW, JOHN, GB
[72] BANNISTER, ROBIN M., GB
[71] TRX BIOSCIENCES LIMITED, GB
[85] 2023-09-18
[86] 2022-03-28 (PCT/EP2022/058180)
[87] (WO2022/207580)
[30] US (63/166,995) 2021-03-27
[30] US (63/269,330) 2022-03-14

[21] **3,212,585**
[13] A1
[51] **Int.Cl. F01K 27/00 (2006.01) F03G 6/00 (2006.01)**
[25] EN
[54] **HEAT ENGINES AND HEAT PUMPS WITH SEPARATORS AND DISPLACERS**
[54] **MOTEURS THERMIQUES ET POMPES A CHALEUR DOTEES DE SEPARATEURS ET DEPLACEURS**
[72] HURST, RONALD ALAN, CA
[71] HURST, RONALD ALAN, CA
[85] 2023-09-18
[86] 2022-03-18 (PCT/IB2022/052498)
[87] (WO2022/195556)
[30] US (63/163,714) 2021-03-19

[21] **3,212,586**
[13] A1
[51] **Int.Cl. G01N 17/04 (2006.01)**
[25] EN
[54] **CORROSION RATE MEASURING PROBE**
[54] **SONDE DE MESURE DE TAUX DE CORROSION**
[72] DAROWICKI, KAZIMIERZ, PL
[72] ORLIKOWSKI, JULIUSZ, PL
[72] LENTKA, GRZEGORZ, PL
[72] CIESLIK, MATEUSZ, PL
[72] DUL, ANDRZEJ, PL
[72] GOSPOS, RADOSLAW, PL
[72] LUKSA, IWONA, PL
[71] POLSKI KONCERN NAFTOWY ORLEN S.A., PL
[85] 2023-09-18
[86] 2022-03-16 (PCT/PL2022/050015)
[87] (WO2022/197194)
[30] EP (21461525.4) 2021-03-16

[21] **3,212,587**
[13] A1
[51] **Int.Cl. A61K 31/196 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF MICRONIZED SOLABEGRON AND METHODS OF USE**
[54] **COMPOSITIONS DE SOLABEGRON MICRONISE ET PROCEDES D'UTILISATION**
[72] STEVENS, JR. RAYMOND E., US
[72] BENNYHOFF, DALE, US
[71] B3AR THERAPEUTICS, INC., US
[85] 2023-09-18
[86] 2022-03-31 (PCT/US2022/071462)
[87] (WO2022/213103)
[30] US (63/168,817) 2021-03-31

[21] **3,212,589**
[13] A1
[51] **Int.Cl. B65D 71/18 (2006.01)**
[25] EN
[54] **ARTICLE CARRIER AND BLANK THEREFOR**
[54] **SUPPORT D'ARTICLES ET EBAUCHE CORRESPONDANTE**
[72] GARNIER, JEAN-MICHEL, FR
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2023-09-18
[86] 2022-03-16 (PCT/US2022/020520)
[87] (WO2022/197784)
[30] US (63/161,729) 2021-03-16

[21] **3,212,590**
[13] A1
[25] EN
[54] **MANUFACTURING OF A METAL MOLD FOR REPLICATING A COMPONENT HAVING A PREDETERMINED THREE-DIMENSIONAL SHAPE**
[54] **FABRICATION D'UN MOULE METALLIQUE POUR LA REPLICATION D'UN COMPOSANT AYANT UNE FORME TRIDIMENSIONNELLE PREDETERMINEE**
[72] KOTZ-HELMER, FREDERIK, DE
[72] RAPP, BASTIAN, DE
[71] GLASSOMER GMBH, DE
[85] 2023-09-18
[86] 2022-03-28 (PCT/EP2022/058114)
[87] (WO2022/200628)
[30] EP (21165146.8) 2021-03-26

[21] **3,212,591**
[13] A1
[51] **Int.Cl. H05B 7/144 (2006.01)**
[25] EN
[54] **ELECTRIC POWER SUPPLY APPARATUS**
[54] **APPAREIL D'ALIMENTATION ELECTRIQUE**
[72] MORDEGLIA, ANTONELLO, TH
[72] POLO, ANDREA, IT
[71] DANIELI AUTOMATION S.P.A., IT
[85] 2023-09-18
[86] 2022-03-29 (PCT/IT2022/050072)
[87] (WO2022/208563)
[30] IT (102021000007892) 2021-03-30

[21] **3,212,592**
[13] A1
[25] EN
[54] **THERAPEUTIC COMBINATION FOR TREATING CANCER**
[54] **COMBINAISON THERAPEUTIQUE POUR LE TRAITEMENT DU CANCER**
[72] FREDRIKSEN, AGNETE, NO
[72] SCHJETNE, KAROLINE, NO
[72] GRANUM, STINE, NO
[72] BERSAAS, AUDUN TRYGGE HAUGEN, NO
[72] RHEE, INA PARK, US
[72] TORHAUG, SIRI BRINCHMANN-HANSEN, NO
[71] NYKODE THERAPEUTICS ASA, NO
[71] GENENTECH, INC., US
[85] 2023-09-18
[86] 2022-03-25 (PCT/EP2022/057955)
[87] (WO2022/200590)
[30] DK (PA 2021 00317) 2021-03-26
[30] DK (PA 2021 70182) 2021-04-21

[21] **3,212,593**
[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01) C07K 14/715 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **DNA-ENCODED BISPECIFIC ANTIBODIES TARGETING IL13R?2 AND METHODS OF USE IN CANCER THERAPEUTICS**
[54] **ANTICORPS BISPECIFIQUES CODES PAR ADN CIBLANT L'IL13RA2 ET METHODES D'UTILISATION EN THERAPEUTIQUE ANTICANCEREUSE**
[72] WEINER, DAVID, US
[72] BHOJNAGARWALA, PRATIK, US
[71] THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY, US
[85] 2023-09-18
[86] 2022-03-18 (PCT/US2022/020918)
[87] (WO2022/198027)
[30] US (63/162,685) 2021-03-18

[21] **3,212,594**
[13] A1
[51] **Int.Cl. A23J 3/20 (2006.01) A23K 10/30 (2016.01) A23L 13/40 (2023.01)**
[25] EN
[54] **FOOD PRODUCTS COMPRISING FILAMENTOUS FUNGAL MATERIAL**
[54] **PRODUITS ALIMENTAIRES COMPRENANT UNE SUBSTANCE FONGIQUE FILAMENTEUSE**
[72] ECKSTROM, ELEANORE BROPHY, US
[72] GHOTRA, BALJIT, US
[72] AVNIEL, YUVAL, US
[72] KLOPF, BRIAN, US
[72] KAWABATA, JESSICA, US
[72] CARRE, ERIC, US
[71] THE FYNDER GROUP, INC., US
[85] 2023-09-18
[86] 2022-03-22 (PCT/US2022/021369)
[87] (WO2022/204166)
[30] US (63/164,466) 2021-03-22

[21] **3,212,595**
[13] A1
[51] **Int.Cl. C12Q 1/6848 (2018.01) C12Q 1/6869 (2018.01)**
[25] EN
[54] **COMPOSITIONS, SYSTEMS, AND METHODS OF MAKING AND USING ENCAPSULATED LYOPHILISED MICROSPHERES**
[54] **COMPOSITIONS, SYSTEMES ET PROCEDES DE FABRICATION ET D'UTILISATION DE MICROSPHERES LYOPHILISEES ENCAPSULEES**
[72] RICOULT, SEBASTIEN, GB
[72] MATHONET, PASCALE, GB
[72] LAWRENCE, ELLIOT, GB
[72] GORMLEY, NIALL, GB
[72] DAVIDSON, JUSTIN, US
[72] SCHNEIDER, KIM, GB
[72] FRANCAIS, ANTOINE, GB
[72] WALSH, JESSICA, GB
[72] BASUKI, JOHAN SEBASTIAN, SG
[72] GHOLIZADEH, SHIMA, US
[71] ILLUMINA CAMBRIDGE LIMITED, GB
[71] ILLUMINA, INC., US
[71] ILLUMINA SINGAPORE PTE LTD, SG
[85] 2023-09-18
[86] 2022-04-13 (PCT/US2022/024549)
[87] (WO2022/221368)
[30] US (63/174,325) 2021-04-13

[21] **3,212,596**
[13] A1
[51] **Int.Cl. C07K 14/725 (2006.01) C07K 14/705 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **CHIMERIC RECEPTORS TARGETING ADGRE2 AND/OR CLEC12A AND USES THEREOF**
[54] **RECEPTEURS CHIMERIQUES CIBLANT ADGRE2 ET/OU CLEC12A ET LEURS UTILISATIONS**
[72] SADELAIN, MICHEL, US
[72] HAUBNER, SASCHA P., US
[72] MANSILLA-SOTO, JORGE, US
[72] SHAPIRO, GARY, US
[72] HE, XINGYUE, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
[71] MILLENNIUM PHARMACEUTICALS, INC., US
[85] 2023-09-18
[86] 2022-04-25 (PCT/US2022/026131)
[87] (WO2022/232016)
[30] US (63/179,799) 2021-04-26
[30] US (63/287,655) 2021-12-09

[21] **3,212,597**
[13] A1
[25] EN
[54] **MATERIAL AND PROCESS FOR FABRICATING AND SHAPING OF TRANSPARENT MULTICOMPONENT FUSED SILICA GLASSES**
[54] **MATIERE ET PROCEDE DE FABRICATION ET DE FACONNAGE DE VERRES DE SILICE FONDUE A COMPOSANTS MULTIPLES TRANSPARENTS**
[72] RAPP, BASTIAN, DE
[72] KOTZ-HELMER, FREDERIK, DE
[71] GLASSOMER GMBH, DE
[85] 2023-09-18
[86] 2022-03-28 (PCT/EP2022/058110)
[87] (WO2022/200627)
[30] EP (21165181.5) 2021-03-26

[21] **3,212,598**
[13] A1
[51] **Int.Cl. E04B 1/86 (2006.01)**
[25] EN
[54] **ACOUSTIC BUILDING PANELS**
[54] **PANNEAUX DE CONSTRUCTION ACOUSTIQUES**
[72] OLESKE, PETER J., US
[72] FELEGI, JOHN JR., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2023-09-18
[86] 2022-03-31 (PCT/US2022/022763)
[87] (WO2022/212658)
[30] US (63/169,694) 2021-04-01

[21] **3,212,599**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODIES TARGETING CD47 AND PD-L1 AND METHODS OF USE THEREOF**
[54] **ANTICORPS BISPECIFIQUES CIBLANT CD47 ET PD-L1 ET LEURS METHODES D'UTILISATION**
[72] CHAUCHET, XAVIER, FR
[72] MASTERNAK, KRZYSZTOF, CH
[72] SHANG, LIMIN, CH
[72] FERLIN, WALTER, FR
[72] PENARRIETA, ELISE, CH
[71] NOVIMMUNE S.A., CH
[85] 2023-09-18
[86] 2022-03-22 (PCT/EP2022/057553)
[87] (WO2022/200387)
[30] US (63/164,237) 2021-03-22
[30] US (63/317,892) 2022-03-08

[21] **3,212,601**
[13] A1
[51] **Int.Cl. A61K 31/202 (2006.01) C07C 59/42 (2006.01)**
[25] EN
[54] **SPECIALIZED PRO-RESOLVING MEDIATORS (SPMS) AS MELANOCYTE GROWTH PROMOTER AND PRO-SURVIVAL FACTORS AND USES THEREOF**
[54] **PRO-MEDIATEURS DE RESOLUTION SPECIALISES (SPM) EN TANT QUE PROMOTEUR DE LA CROISSANCE DES MELANOCYTES ET PRO-FACTEURS DE SURVIE ET LEURS UTILISATIONS**
[72] ZHOU, YOUWEN, CA
[71] UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2023-09-18
[86] 2022-03-18 (PCT/CA2022/050415)
[87] (WO2022/193029)
[30] US (63/163,241) 2021-03-19

[21] **3,212,602**
[13] A1
[51] **Int.Cl. A24D 1/02 (2006.01) A24B 15/30 (2006.01) A24D 1/04 (2006.01) D21H 17/24 (2006.01) D21H 17/25 (2006.01) D21H 19/04 (2006.01) D21H 19/34 (2006.01) D21H 27/32 (2006.01)**
[25] EN
[54] **SMOKING ARTICLE WITH IMPROVED FLAVOR PERSISTENCE AND MANUFACTURING METHOD THEREOF**
[54] **ARTICLE A FUMER A PERSISTANCE D'AROME AMELIOREE ET PROCEDE DE FABRICATION ASSOCIE**
[72] KIM, ICK JOONG, KR
[72] LEE, GEON CHANG, KR
[72] JUNG, KYUNG BIN, KR
[72] JEOUNG, EUN MI, KR
[72] HWANG, MIN HEE, KR
[71] KT&G CORPORATION, KR
[85] 2023-09-18
[86] 2022-04-12 (PCT/KR2022/005251)
[87] (WO2022/220529)
[30] KR (10-2021-0048462) 2021-04-14

[21] **3,212,603**
[13] A1
[51] **Int.Cl. A61P 25/28 (2006.01)**
[25] EN
[54] **COMBINED TREATMENT OF BRAIN INJURY**
[54] **TRAITEMENT COMBINE DE LESION CEREBRALE**
[72] IMBIMBO, BRUNO PIETRO, IT
[72] VILLETTI, GINO, IT
[72] FACCHINETTI, FABRIZIO, IT
[72] LANDUCCI, ELISA, IT
[72] MANGO, DALILA, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2023-09-18
[86] 2022-03-25 (PCT/EP2022/057881)
[87] (WO2022/200550)
[30] EP (21165013.0) 2021-03-25

[21] **3,212,604**
[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CANCER WITH ANTI-ILT3 ANTIBODIES**
[54] **METHODES DESTINEES A TRAITER LE CANCER AVEC DES ANTICORPS ANTI-ILT3**
[72] BRANDISH, PHILIP E., US
[72] CHEN, MEI, US
[72] LOBODA, ANDREY, US
[72] NEBOZHYN, MICHAEL, US
[72] WU, CAI, US
[72] ZHANG, DAPING, US
[72] ZHANG-HOOVER, JIE, US
[71] MERCK SHARP & DOHME LLC, US
[85] 2023-09-18
[86] 2022-03-17 (PCT/US2022/020714)
[87] (WO2022/197900)
[30] US (63/163,779) 2021-03-19

[21] **3,212,605**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/46 (2020.01) A24F 40/485 (2020.01) A24F 40/50 (2020.01) H02M 1/00 (2007.10)**
[25] EN
[54] **AEROSOL GENERATING DEVICE**
[54] **DISPOSITIF GENERANT UN AEROSOL**
[72] KIM, DONG SUNG, KR
[72] KIM, YONG HWAN, KR
[72] LIM, HUN IL, KR
[72] JANG, SEOK SU, KR
[71] KT&G CORPORATION, KR
[85] 2023-09-18
[86] 2022-07-21 (PCT/KR2022/010676)
[87] (WO2023/003377)
[30] KR (10-2021-0095617) 2021-07-21

[21] **3,212,606**
[13] A1
[51] **Int.Cl. G06F 21/35 (2013.01) H04W 12/065 (2021.01)**
[25] EN
[54] **AUTHENTICATED MESSAGING SESSION WITH CONTACTLESS CARD AUTHENTICATION**
[54] **SESSION DE MESSAGERIE AUTHENTIFIEE AU MOYEN D'UNE AUTHENTIFICATION PAR CARTE SANS CONTACT**
[72] GUO, ROCKY, US
[72] RULE, JEFFREY, US
[72] CUAN, LUKIIH, US
[72] BHATT, GAURANG, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2023-09-18
[86] 2022-04-15 (PCT/US2022/024980)
[87] (WO2022/221639)
[30] US (17/231,481) 2021-04-15

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[13] A1
[51] **Int.Cl. G06F 16/25 (2019.01) G06F 16/13 (2019.01) G06F 16/182 (2019.01) G06F 16/23 (2019.01) G06F 16/27 (2019.01)**
[25] EN
[54] **SELECTIVE OFFLOADING OF BANDWIDTH TO ENABLE LARGE-SCALE DATA INDEXING**
[54] **DELESTAGE SELECTIF DE BANDE PASSANTE POUR PERMETTRE UNE INDEXATION DE DONNEES A GRANDE ECHELLE**
[72] MUDGIL, SATYAVRAT, US
[72] HOU, JUSTIN ALEXANDER CHI-YOUNG, US
[72] SURTANI, VED, US
[71] TEKION CORP, US
[85] 2023-09-18
[86] 2022-04-08 (PCT/US2022/024018)
[87] (WO2022/217049)
[30] US (17/226,335) 2021-04-09

[21] **3,212,608**
[13] A1
[51] **Int.Cl. A01N 33/02 (2006.01)**
[25] EN
[54] **USE OF A CATIONIC POLYMER FOR REINFECTION PREVENTION**
[54] **UTILISATION D'UN POLYMERE CATIONIQUE POUR LA PREVENTION D?UNE REINFECTION**
[72] IYER, VIDULA, IN
[72] KHOKHAR, JASMEET KAUR, IN
[72] MUKHERJEE, SAYANDIP, IN
[72] NEGI, AJAY SINGH, IN
[72] PALANISAMY, BHARATH, IN
[72] PATHAK, SANDIP BHANUDAS, IN
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2023-09-18
[86] 2022-04-20 (PCT/EP2022/060423)
[87] (WO2022/223620)
[30] IN (202121018489) 2021-04-21
[30] EP (21178796.5) 2021-06-10

[21] **3,212,609**
[13] A1
[25] EN
[54] **METHODS FOR ISOLATION AND PURIFICATION OF CANNABIDIOL (CBD) AND TERPENES FROM HEMP**
[54] **PROCEDES D'ISOLEMENT ET DE PURIFICATION DE CANNABIDIOL (CBD) ET DE TERPENES A PARTIR DE CHANVRE**
[72] LEVINE, ALAN M., US
[72] MONACO, STEVEN J., US
[72] LEE, RICHARD J., US
[72] ERICKSON, DUANE M., US
[71] RJ LEE GROUP, INC., US
[85] 2023-09-18
[86] 2022-03-31 (PCT/US2022/071476)
[87] (WO2022/213109)
[30] US (63/200,829) 2021-03-31

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[13] A1
[51] **Int.Cl. A61K 47/60 (2017.01) A61K 47/65 (2017.01) C07K 16/28 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **MODULATION OF ANTIBODY-DEPENDENT CELLULAR CYTOTOXICITY**
[54] **MODULATION DE LA CYTOTOXICITE CELLULAIRE DEPENDANTE DES ANTICORPS**
[72] MOQUIST, PHILIP, US
[72] LEVENGOOD, MATTHEW R., US
[72] LEISKE, CHRISTOPHER I., US
[72] BINDMAN, NOAH A., US
[71] SEAGEN INC., US
[85] 2023-09-18
[86] 2022-04-20 (PCT/US2022/025610)
[87] (WO2022/226100)
[30] US (63/177,218) 2021-04-20

[21] **3,212,611**
[13] A1
[51] **Int.Cl. A62C 35/02 (2006.01) G08B 17/12 (2006.01)**
[25] EN
[54] **ANALYSIS AND CONTROL FOR FIRE SUPPRESSION SYSTEM**
[54] **ANALYSE ET COMMANDE POUR SYSTEME DE SUPPRESSION D'INCENDIE**
[72] DUSING, JEREMY DOUGLAS, US
[72] MARRY, PETER JOHN, US
[71] FIRE ROVER, LLC, US
[85] 2023-09-18
[86] 2022-03-22 (PCT/US2022/021394)
[87] (WO2022/204187)
[30] US (63/164,859) 2021-03-23

[21] **3,212,612**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7105 (2006.01) A61K 31/7115 (2006.01) A61K 31/7125 (2006.01) A61K 38/46 (2006.01) A61P 35/00 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12N 15/55 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **TARGETING ONCOGENTIC MUTATIONS WITH DUAL-CLEAVING ENDONUCLEASE**
[54] **CIBLAGE DE MUTATIONS ONCOGENETIQUES PAR UNE ENDONUCLEASE A DOUBLE CLIVAGE**
[72] STEAD, BRENT E., CA
[71] SPECIFIC BIOLOGICS INC., CA
[85] 2023-09-18
[86] 2022-03-25 (PCT/IB2022/000155)
[87] (WO2022/200858)
[30] US (63/166,763) 2021-03-26

[21] **3,212,613**
[13] A1
[25] EN
[54] **METHOD AND APPARATUS FOR TREATING STRUCTURAL MOISTURE IN BOATS**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE L'HUMIDITE STRUCTURELLE DANS DES BATEAUX**
[72] RICHMOND, SCOTT, US
[71] DRYBOAT SOUTH, LLC, US
[85] 2023-09-18
[86] 2022-05-17 (PCT/US2022/029709)
[87] (WO2022/198148)
[30] US (63/162,313) 2021-03-17
[30] US (17/697,644) 2022-03-17

[21] **3,212,614**
[13] A1
[25] EN
[54] **ADHESIVE COMPOSITION COMPRISING LUPINE PROTEIN AND LIGNIN**
[54] **COMPOSITION ADHESIVE COMPRENANT UNE PROTEINE DE LUPIN ET DE LA LIGNINE**
[72] WENNMAN, MARIA, SE
[72] DEMIRCAN, DENIZ, SE
[71] ORGANOCLICK AB, SE
[85] 2023-09-18
[86] 2022-03-25 (PCT/SE2022/050290)
[87] (WO2022/211700)
[30] SE (2150391-7) 2021-03-30

[21] **3,212,615**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS TARGETING CLAUDIN-3 AND METHODS FOR TREATING CANCER**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES CIBLANT LA CLAUDINE-3 ET METHODES DE TRAITEMENT DU CANCER**
[72] SOUTHGATE, THOMAS, GB
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2023-09-18
[86] 2022-03-17 (PCT/IB2022/052443)
[87] (WO2022/195535)
[30] US (63/163,217) 2021-03-19

[21] **3,212,616**
[13] A1
[51] **Int.Cl. C07C 273/04 (2006.01) C07C 273/16 (2006.01)**
[25] EN
[54] **UREA PRODUCTION PROCESS AND PLANT**
[54] **PROCEDE ET INSTALLATION DE PRODUCTION D'UREE**
[72] BERTINI, PAOLO, CH
[72] FUMAGALLI, MATTEO, IT
[71] CASALE SA, CH
[85] 2023-09-18
[86] 2022-04-05 (PCT/EP2022/058933)
[87] (WO2022/214453)
[30] EP (21167251.4) 2021-04-07

[21] **3,212,617**
[13] A1
[51] **Int.Cl. H01L 31/042 (2014.01) H01L 31/05 (2014.01)**
[25] EN
[54] **SOLAR CELL STRING AND METHOD FOR PRODUCING A SOLAR CELL STRING**
[54] **CHAINE DE CELLULES SOLAIRES ET PROCEDE DE PRODUCTION D'UNE CHAINE DE CELLULES SOLAIRES**
[72] NEKARDA, JAN, DE
[72] PASCHEN, JAN, DE
[72] JOHN, OLIVER, DE
[72] EMANUEL, GERNOT, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2023-09-18
[86] 2022-03-17 (PCT/EP2022/056944)
[87] (WO2022/194994)
[30] DE (10 2021 106 598.4) 2021-03-18

[21] **3,212,618**
[13] A1
[25] EN
[54] **DEVICE, SYSTEM AND METHOD OF AUTONOMOUS MONITORING OF GROUND ENGAGING TOOLS OF EARTHMOVING MACHINE ALLOWING TO TRACK AND DETECT INSTALLATION/RE-INSTALLATION AND DETACHMENT/REMOVAL BASED ON 4 MAIN STATES OF OPERATION**
[54] **DISPOSITIF DE SURVEILLANCE POUR SUIVRE UNE PIECE D'USURE, SYSTEME ET PROCEDES**
[72] ESPEJO PINA, ALVARO PATRICIO, CL
[72] EUGENIO HERRERA, CARLOS JAVIER, CL
[72] ALTBIR DRULLINSKY, DORA ROSA, CL
[72] DAUD ALBASINI, OMAR ANDRES, CL
[72] SEPULVEDA VASQUEZ, SEBASTIAN ANDRES, CL
[72] TARGARONA HERRERA, MATIAS BERNARDO, CL
[72] FUENTES AMPUERO, GABRIEL ESTEBAN, CL
[71] UNIVERSIDAD DE SANTIAGO DE CHILE, CL
[85] 2023-09-18
[86] 2022-03-01 (PCT/CL2022/050019)
[87] (WO2022/193033)
[30] CL (688-2021) 2021-03-19

[21] **3,212,619**
[13] A1
[51] **Int.Cl. B01J 23/34 (2006.01) B01J 23/75 (2006.01) B01J 23/755 (2006.01) B01J 23/76 (2006.01) C01B 3/34 (2006.01) C01B 3/38 (2006.01) C07C 29/15 (2006.01)**
[25] EN
[54] **SYNGAS AND METHOD OF MAKING THE SAME**
[54] **GAZ DE SYNTHESE ET SON PROCEDE DE FABRICATION**
[72] CARR, GREGORY, US
[72] DIEKER, KURT A., US
[72] DEVILLIERS, DAVID, US
[71] HYCO1, INC., US
[85] 2023-09-18
[86] 2022-07-28 (PCT/US2022/038733)
[87] (WO2023/009760)
[30] US (63/203,784) 2021-07-30

[21] **3,212,620**
[13] A1
[51] **Int.Cl. A61K 31/52 (2006.01) A61P 3/10 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **USE OF ADENINE IN A MANUFACTURE OF A MEDICAMENT FOR TREATING DIABETIC ULCER**
[54] **UTILISATION D'ADENINE DANS LA PREPARATION D'UN MEDICAMENT POUR LE TRAITEMENT D'ULCERES DIABETIQUES**
[72] CHIO, JEN-YI, CN
[72] CHEN, HAN-MIN, CN
[72] LIN, JIUN-TSAI, CN
[72] CHENG, YI-FANG, CN
[72] YOUNG, GUANG-HUAR, CN
[72] HUANG, CHUN-FANG, CN
[71] ENERGENESIS BIOMEDICAL CO., LTD., CN
[85] 2023-09-18
[86] 2022-03-25 (PCT/CN2022/083129)
[87] (WO2022/218136)
[30] CN (202110411356.4) 2021-04-16

[21] **3,212,621**
[13] A1
[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR VARIABLE-VISCOSITY CARRIER VAPORIZERS**
[54] **PROCEDES ET SYSTEMES POUR VAPORISEURS DE VECTEUR A VISCOSITE VARIABLE**
[72] BARBARIC, MLADEN, CA
[72] KIM, SUNGMOON, CA
[72] KIM, KISAE, CA
[72] KIM, BONG GEUN, CA
[72] PARK, JUNGHOON, CA
[72] MOON, CHONGCHUN, CA
[72] CORBELLINI, LUCA, CA
[71] AIRGRAFT INC., CA
[85] 2023-09-18
[86] 2022-03-25 (PCT/CA2022/050455)
[87] (WO2022/198337)
[30] US (63/166,740) 2021-03-26

[21] **3,212,622**
[13] A1
[51] **Int.Cl. H04W 52/02 (2009.01)**
[25] EN
[54] **POWER SAVING OPERATION IN CARRIER AGGREGATION**
[54] **OPERATION D'ECONOMIE D'ENERGIE DANS L'AGREGATION DE PORTEUSES**
[72] ZHOU, HUA, US
[72] YI, YUNJUNG, US
[72] DINAN, ESMAEL HEJAZI, US
[72] CIRIK, ALI CAGATAY, US
[72] JEON, HYOUNGSUK, US
[72] PARK, JONGHYUN, US
[72] XU, KAI, US
[71] OFINNO, LLC, US
[85] 2023-09-18
[86] 2022-03-29 (PCT/US2022/022309)
[87] (WO2022/212347)
[30] US (63/167,305) 2021-03-29

[21] **3,212,623**
[13] A1
[51] **Int.Cl. A23L 33/18 (2016.01) A61K 47/60 (2017.01) A61K 47/64 (2017.01) A61K 38/08 (2019.01) A61P 31/12 (2006.01)**
[25] EN
[54] **ANTIVIRAL COMPOSITION COMPRISING A NUCLEOLIN-BINDING PEPTIDE**
[54] **COMPOSITION ANTIVIRALE COMPRENANT UN PEPTIDE DE LIAISON A LA NUCLEOLINE**
[72] KIM, JAEIL, KR
[72] CHO, KYOUNG-OH, KR
[72] KIM, JAEIL, KR
[72] RYU, JAE-HA, KR
[72] CHO, KYOUNG-OH, KR
[71] ANYGEN CO., LTD., KR
[85] 2023-09-18
[86] 2022-05-18 (PCT/KR2022/007131)
[87] (WO2022/245136)
[30] KR (10-2021-0064140) 2021-05-18

[21] **3,212,624**
[13] A1
[51] **Int.Cl. A01N 43/56 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **PYRAZOLYLPYRIMIDINES FOR TREATING MALIGNANT SOLID TUMOR**
[54] **PYRAZOLYLPYRIMIDINES POUR LE TRAITEMENT D'UNE TUMEUR SOLIDE MALIGNE**
[72] CHAN, KYLE W.H., US
[72] CHOURASIA, APARAJITA HOSKOTE, US
[72] THAI, DUNG ZUNG, US
[71] BIOTHERYX, INC., US
[85] 2023-09-18
[86] 2022-03-23 (PCT/US2022/021447)
[87] (WO2022/204220)
[30] US (63/165,137) 2021-03-24

[21] **3,212,625**
[13] A1
[51] **Int.Cl. A61B 17/072 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PREVENTING TISSUE MIGRATION IN SURGICAL STAPLERS**
[54] **SYSTEMES ET PROCEDES POUR EMPECHER LA MIGRATION DE TISSU DANS DES AGRAFEUSES CHIRURGICALES**
[72] DUNKI-JACOBS, ADAM R., US
[72] ORTIZ, MARK S., US
[72] THOMPSON, JONATHAN R., US
[72] NUCHOLS, RICHARD P., US
[72] HAYWARD, CALEB J., US
[72] MEANS, ROBERT T., US
[72] LUKAS, SAYLAN J., US
[71] STANDARD BARIATRICS, INC., US
[85] 2023-09-18
[86] 2022-03-22 (PCT/US2022/021250)
[87] (WO2022/204078)
[30] US (63/164,837) 2021-03-23

[21] **3,212,626**
[13] A1
[25] EN
[54] **PROCESSING CIRCUITRY, SYSTEM AND METHOD FOR REDUCING ELECTRICAL POWER CONSUMPTION IN AN ULTRASOUND IMAGING PROBE BASED ON INTERLACED DATA ACQUISITION AND RECONSTRUCTION ALGORITHM**
[54] **CIRCUIT DE TRAITEMENT, SYSTEME ET PROCEDE POUR REDUIRE LA CONSOMMATION D'ENERGIE ELECTRIQUE DANS UNE SONDE D'IMAGERIE ULTRASONORE SUR LA BASE D'UN ALGORITHME D'ACQUISITION ET DE RECONSTRUCTION DE DONNEES ENTRELACEE**
[72] YANG, YONGYI, US
[72] WERNICK, MILES N., US
[71] EXO IMAGING, INC., US
[85] 2023-09-18
[86] 2022-03-18 (PCT/US2022/020945)
[87] (WO2022/198045)
[30] US (63/163,702) 2021-03-19

[21] **3,212,627**
[13] A1
[51] **Int.Cl. A24B 15/14 (2006.01) A24B 15/16 (2020.01)**
[25] EN
[54] **BEADED SUBSTRATES FOR AEROSOL DELIVERY DEVICES**
[54] **SUBSTRATS PERLES POUR DISPOSITIFS DE DISTRIBUTION D'AEROSOL**
[72] CLARK, CAROLINE W., US
[72] FORD, KYLE, GB
[72] COMER, TIFFANY, GB
[72] MONSALUD, LUIS, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2023-09-18
[86] 2022-03-18 (PCT/IB2022/052506)
[87] (WO2022/195561)
[30] US (63/163,318) 2021-03-19

[21] **3,212,628**
[13] A1
[51] **Int.Cl. A24B 15/14 (2006.01) A24B 15/16 (2020.01)**
[25] EN
[54] **EXTRUDED SUBSTRATES FOR AEROSOL DELIVERY DEVICES**
[54] **SUBSTRATS EXTRUDES POUR DISPOSITIFS DE DISTRIBUTION D'AEROSOL**
[72] CLARK, CAROLINE W., US
[72] FORD, KYLE, GB
[72] COMER, TIFFANY, GB
[72] MONSALUD, LUIS, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2023-09-18
[86] 2022-03-18 (PCT/IB2022/052507)
[87] (WO2022/195562)
[30] US (63/163,323) 2021-03-19

[21] **3,212,629**
[13] A1
[51] **Int.Cl. F01D 13/02 (2006.01) F01D 15/10 (2006.01) F03B 17/00 (2006.01) F03B 17/02 (2006.01) F03B 17/04 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **ENERGY GENERATION AND STORAGE SYSTEM BASED ON TRAVELING PISTON IN A NON-HORIZONTAL TUBE**
[54] **SYSTEME DE GENERATION ET D'ACCUMULATION D'ENERGIE BASE SUR UN PISTON MOBILE DANS UN TUBE NON HORIZONTAL**
[72] HANSEN, HENNING, NO
[72] STOKKELAND, KAJ, NO
[71] HANSEN ENERGY SOLUTIONS LLC, US
[85] 2023-09-19
[86] 2022-03-31 (PCT/US2022/022813)
[87] (WO2022/216516)
[30] US (63/171,492) 2021-04-06

[21] **3,212,630**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC BINDING MOLECULES**
[54] **MOLECULES DE LIAISON THERAPEUTIQUES**
[72] NYS, JOSQUIN ARNAUD, GB
[72] THOM, ALBERT GEORGE, GB
[72] CARIUK, PETER, GB
[72] SCHOFIELD, DARREN JONATHAN, GB
[72] RILEY, AIDAN, GB
[72] HUNTINGTON, CATHERINE EUGENIE CHAILLAN, GB
[72] REES, DAVID GARETH, GB
[72] IRVING, LORRAINE, GB
[72] ROBINSON, MATTHEW, GB
[71] MEDIMMUNE LIMITED, GB
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[86] 2022-03-17 (PCT/EP2022/057029)
[87] (WO2022/195028)
[30] US (63/162,603) 2021-03-18

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[25] EN
[54] **AUDIO CODEC WITH ADAPTIVE GAIN CONTROL OF DOWNMIXED SIGNALS**
[54] **CODEC AUDIO A COMMANDE DE GAIN ADAPTATIVE DE SIGNAUX A MIXAGE REDUCTEUR**
[72] SETIAWAN, PANJI, NL
[72] TYAGI, RISHABH, US
[72] BRUHN, STEFAN, NL
[71] DOLBY LABORATORIES LICENSING CORPORATION, US
[71] DOLBY INTERNATIONAL AB, NL
[85] 2023-09-05
[86] 2022-03-08 (PCT/US2022/019292)
[87] (WO2022/192217)
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[30] US (63/161,868) 2021-03-16
[30] US (63/267,878) 2022-02-11

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[13] A1
[51] **Int.Cl. G01N 27/12 (2006.01) G01N 27/22 (2006.01) G01N 27/414 (2006.01)**
[25] EN
[54] **ALDEHYDE AND KETONE RECEPTOR MODIFICATION OF GRAPHENE**
[54] **MODIFICATION DE GRAPHENE PAR RECEPTEURS D'ALDEHYDE ET DE CETONE**
[72] TROUDT, BLAIR K., US
[72] BUHLMANN, PHILIPPE PIERRE JOSEPH, US
[72] KOESTER, STEVEN J., US
[72] ZHEN, XUE, US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
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[86] 2022-03-10 (PCT/US2022/019728)
[87] (WO2022/197521)
[30] US (63/161,640) 2021-03-16
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[13] A1
[51] **Int.Cl. B25J 11/00 (2006.01) B25J 5/04 (2006.01) B25J 9/16 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PERFORMING A PROCESS ON A STRUCTURE**
[54] **APPAREIL ET PROCEDE PERMETTANT DE REALISER UN TRAITEMENT SUR UNE STRUCTURE**
[72] DABIRI, MOHAMMAD, CA
[72] KAMALI, SEYED HOSSEIN, CA
[71] AUTONOPIA TECHNOLOGIES INC., CA
[85] 2023-09-06
[86] 2022-03-04 (PCT/CA2022/050312)
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[30] US (63/157,686) 2021-03-06

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[25] EN
[54] **ISOCHORIC IMPREGNATION OF SOLID FOODS AT SUBFREEZING TEMPERATURES**
[54] **IMPREGNATION ISOCHORE D'ALIMENTS SOLIDES A DES TEMPERATURES DE SOUS-CONGELATION**
[72] MCHUGH, TARA H., US
[72] BILBAO-SAINZ, CHRISTINA, US
[72] POWELL-PALM, MATTHEW J., US
[72] RUBINSKY, BORIS, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US
[71] UNIVERSITY OF CALIFORNIA AT BERKELEY, US
[85] 2023-09-05
[86] 2022-03-11 (PCT/US2022/020016)
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[25] EN
[54] **CRYSTALLINE FORM OF A DIHYDROCHLORIDE SALT OF A JAK INHIBITOR COMPOUND**
[54] **FORME CRISTALLINE D'UN SEL DE DICHLORHYDRATE D'UN COMPOSE INHIBITEUR DE JAK**
[72] NZEREM, JERRY, US
[72] DABROS, MARTA, US
[72] THALLADI, VENKAT R., US
[72] SIMEONE, MICHAEL, US
[71] THERAVANCE BIOPHARMA R&D IP, LLC, US
[85] 2023-09-05
[86] 2022-03-25 (PCT/US2022/021876)
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[30] US (63/166,800) 2021-03-26

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[51] **Int.Cl. A61K 38/12 (2006.01) C40B 50/06 (2006.01) C40B 70/00 (2006.01)**
[25] EN
[54] **CYCLIC COMPOUND LIBRARY AND CONSTRUCTION METHOD THEREFOR**
[54] **BANQUE DE COMPOSES CYCLIQUES ET SON PROCEDE DE CONSTRUCTION**
[72] WEI, WEI, CN
[72] LIU, CHEN, CN
[72] CHEN, BIN, CN
[72] LIU, YUAN, CN
[72] BAI, YUANCHAO, CN
[71] YAFEI (SHANGHAI) BIOLOG MEDICINE SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2023-09-06
[86] 2022-02-18 (PCT/CN2022/076774)
[87] (WO2022/193902)
[30] CN (202110291745.8) 2021-03-18

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[13] A1
[51] **Int.Cl. H04N 19/17 (2014.01) H04N 21/235 (2011.01) H04N 19/23 (2014.01) H04N 19/33 (2014.01) H04N 19/46 (2014.01) H04N 19/70 (2014.01) H04N 19/94 (2014.01) H04N 19/189 (2014.01) H04N 19/68 (2014.01) G06F 9/48 (2006.01) G06F 9/50 (2006.01) H03M 7/30 (2006.01)**
[25] EN
[54] **MULTIDIMENSIONAL METADATA FOR PARALLEL PROCESSING OF THE SEGMENTED MEDIA DATA**
[54] **METADONNEES MULTIDIMENSIONNELLES POUR TRAITEMENT PARALLELE DE DONNEES MULTIMEDIAS SEGMENTEES**
[72] SODAGAR, IRAJ, US
[71] TENCENT AMERICA LLC, US
[85] 2023-09-05
[86] 2022-12-13 (PCT/US2022/052649)
[87] (WO2023/136900)
[30] US (63/298,534) 2022-01-11
[30] US (17/993,583) 2022-11-23

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[51] **Int.Cl. H01L 31/042 (2014.01) H01L 31/18 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR MANUFACTURING SOLAR PANELS**
[54] **PROCEDE ET APPAREIL DE FABRICATION DE PANNEAUX SOLAIRES**
[72] ZAHN, PHILIPP DONATUS MARTIN, DE
[72] SCHNEIDEREIT, GUNTER, DE
[72] JEHL, DOMINIQUE, FR
[71] M10 SOLAR EQUIPMENT GMBH, DE
[85] 2023-09-06
[86] 2021-12-21 (PCT/EP2021/087148)
[87] (WO2022/189031)
[30] DE (10 2021 105 985.2) 2021-03-11

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[51] **Int.Cl. B01J 3/00 (2006.01) B01J 19/00 (2006.01) B01J 19/24 (2006.01)**
[25] EN
[54] **METHOD FOR CARRYING OUT A CHEMICAL REACTION AND REACTOR ARRANGEMENT**
[54] **PROCEDE POUR METTRE EN □UVRE UNE REACTION CHIMIQUE ET AGENCEMENT DE REACTEUR**
[72] ZELLHUBER, MATHIEU, DE
[72] HOFSTATTER, MARTIN, DE
[72] KOCHENDOERFER, KIARA AENNE, DE
[72] SHUSTOV, ANDREY, DE
[72] JENNE, ERIC, DE
[72] HAUNERT, ANDREA, DE
[72] STEVENSON, SCOTT A., US
[72] BROEKHUIS, ROBERT R., US
[72] WARD, ANDREW M., GB
[71] LINDE GMBH, DE
[71] BASF SE, DE
[71] SABIC GLOBAL TECHNOLOGIES B.V., NL
[85] 2023-09-05
[86] 2022-04-07 (PCT/EP2022/059330)
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[30] EP (21167191.2) 2021-04-07

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 49/00 (2006.01)**
[25] EN
[54] **LOADING OF ALGINATE MICROSPHERES**
[54] **CHARGEMENT DE MICROSPHERES D'ALGINATE**
[72] PHILLIPS, WILLIAM, US
[72] BITAR, RYAN, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2023-09-05
[86] 2022-03-04 (PCT/US2022/018992)
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[30] US (63/157,546) 2021-03-05

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **IN VIVO DNA ASSEMBLY AND ANALYSIS**
[54] **ASSEMBLAGE ET ANALYSE D'ADN IN VIVO**
[72] LEVY, SASHA, US
[72] LIU, XIANAN, US
[72] MATSUI, TAKESHI, US
[72] MILLER, DARACH, US
[72] LI, WEIYI, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[86] 2022-03-04 (PCT/US2022/019012)
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[30] US (63/157,498) 2021-03-05
[30] US (63/157,497) 2021-03-05

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[51] **Int.Cl. H04R 5/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR OBTAINING HOA COEFFICIENT**
[54] **PROCEDE ET APPAREIL D'ACQUISITION DE COEFFICIENT HOA**
[72] GAO, YUAN, CN
[72] LIU, SHUAI, CN
[72] WANG, BIN, CN
[72] WANG, ZHE, CN
[72] QU, TIANSHU, CN
[72] XU, JIAHAO, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-09-05
[86] 2022-03-02 (PCT/CN2022/078823)
[87] (WO2022/184096)
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[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL DOSAGE FORMS COMPRISING (4S)-24-CHLORO-4-ETHYL-73-FLUORO-35-METHOXY-32,5- DIOXO-14-(TRIFLUOROMETHYL)-32H-6-AZA-3(4,1)-PYRIDINA-1(1)-[1,2,3]TRIAZOLA-2(1,2),7(1)-DIBENZENAHEPTAPHANE-74-CARBOXAMIDE**
[54] **FORMES POSOLOGIQUES PHARMACEUTIQUES COMPRENANT DU (4S)-24-CHLORO-4-ETHYL-73-FLUORO-35-METHOXY-32,5-DIOXO-14-(TRIFLUOROMETHYL)-32H-6-AZA-3(4,1)-PYRIDINA-1(1)-[1,2,3]TRIAZOLA-2(1,2) ,7(1)-DIBENZENAHEPTAPHANE-74-CARBOXAMIDE**
[72] MERKEL, SUSANNE, DE
[72] SERNO, PETER, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2023-09-06
[86] 2022-03-04 (PCT/EP2022/055519)
[87] (WO2022/189278)
[30] EP (21161493.8) 2021-03-09

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[13] A1
[51] **Int.Cl. A61K 31/4439 (2006.01) A61P 7/02 (2006.01) C07D 401/10 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF (4S)-24-CHLORO-4-ETHYL-73-FLUORO-35-METHOXY-32,5-DIOXO-14-(TRIFLUOROMETHYL)-32H-6-AZA-3(4,1)-PYRIDINA-1(1)-[1,2,3]TRIAZOLA-2(1,2),7(1)-5 DIBENZENAHEPTAPHANE-74-CARBOXAMIDE**
[54] **FORMES CRISTALLINES DE (4S)-24-CHLORO-4-ETHYL-73-FLUORO-35-METHOXY-32, 5-DIOXO-14-(TRIFLUOROMETHYL)-32H-6-AZA-3(4,1)-PYRIDINA-1(1)-[1,2,3]TRIAZOLA-2(1,2),7(1)-5 DIBENZENAHEPTAPHAN E-74-CARBOXAMIDE**
[72] LEVILAIN, GUILLAUME, DE
[72] JACOBS, TIA, DE
[72] OLENIK, BRITTA, DE
[72] RUBINO, FRANCO, DE
[72] ZIEM, KRISCHAN, DE
[72] SOWA, MICHAL, DE
[72] ROHRIG, SUSANNE, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[86] 2022-03-04 (PCT/EP2022/055521)
[87] (WO2022/189279)
[30] EP (21161489.6) 2021-03-09

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[13] A1
[51] **Int.Cl. B02C 13/18 (2006.01)**
[25] EN
[54] **CRUSHER ROTOR**
[54] **ROTOR DE BROYEUR**
[72] TATTARI, JONI, FI
[72] JARVENPAA, VILLE, FI
[71] METSO OUTOTEC FINLAND OY, FI
[85] 2023-09-06
[86] 2022-03-07 (PCT/EP2022/055691)
[87] (WO2022/189328)
[30] EP (21161598.4) 2021-03-09

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[13] A1
[51] **Int.Cl. B60L 53/12 (2019.01) B60L 53/126 (2019.01) B60L 53/36 (2019.01) B60L 53/66 (2019.01) B60L 53/67 (2019.01)**
[25] EN
[54] **OPPORTUNITY CHARGING OF QUEUED ELECTRIC VEHICLES**
[54] **CHARGE SUR OPPORTUNITE DE VEHICULES ELECTRIQUES EN FILE D'ATTENTE**
[72] WOLGEMUTH, JOHN M., US
[72] CALABRO, ANTHONY W., US
[71] INDUCTEV INC., US
[85] 2023-09-05
[86] 2022-02-15 (PCT/US2022/070670)
[87] (WO2022/192831)
[30] US (17/199,234) 2021-03-11

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **ANTISENSE OLIGONUCLEOTIDES FOR INHIBITING ALPHA-SYNUCLEIN EXPRESSION**
[54] **OLIGONUCLEOTIDES ANTISENS POUR INHIBER L'EXPRESSION DE L'ALPHA-SYNUCLEINE**
[72] TRAN, HELENE, FR
[72] CHANRION, BENJAMIN, FR
[72] LOTFI, SOFIA, FR
[72] DAS DORES, GUILLAUME, FR
[72] DORVAL, THIERRY, FR
[72] GUIGNARD, RAPHAEL, FR
[71] LES LABORATOIRES SERVIER, FR
[85] 2023-09-06
[86] 2022-03-07 (PCT/EP2022/055770)
[87] (WO2022/189363)
[30] EP (21315033.7) 2021-03-08
[30] EP (21306123.7) 2021-08-17

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[13] A1
[51] **Int.Cl. A61K 47/50 (2017.01) A61K 47/68 (2017.01) A61K 38/00 (2006.01) A61K 38/17 (2006.01) A61K 41/00 (2020.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-NECTIN-4-ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-NECTINE -4 ET LEURS UTILISATIONS**
[72] ELANDS, JACK, BE
[72] LHOSPPICE, FLORENCE, FR
[72] PREVILLE, XAVIER, FR
[72] OLIVE, DANIEL, FR
[72] LOPEZ, MARC, FR
[71] EMERGENCE THERAPEUTICS AG, DE
[71] UNIVERSITE D'AIX-MARSEILLE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] INSTITUT JEAN PAOLI & IRENE CALMETTES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -, FR
[85] 2023-09-06
[86] 2022-03-31 (PCT/EP2022/058626)
[87] (WO2022/207822)
[30] EP (21166441.2) 2021-03-31
[30] EP (21170941.5) 2021-04-28
[30] EP (21172723.5) 2021-05-07
[30] EP (21209332.2) 2021-11-19

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[13] A1
[51] **Int.Cl. E21B 43/08 (2006.01) E21B 33/12 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **NOZZLE ASSEMBLY FOR SHUNT TUBE SYSTEMS**
[54] **ENSEMBLE BUSE POUR SYSTEMES DE TUBES DE DERIVATION**
[72] GRECI, STEPHEN MICHAEL, US
[72] NOVELEN, RYAN M., US
[72] GRANT, DAVID, US
[72] YIN, WEIQI, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2023-09-06
[86] 2021-04-06 (PCT/US2021/025876)
[87] (WO2022/216273)
[30] US (17/223,195) 2021-04-06

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/7105 (2006.01) A61K 31/7115 (2006.01) A61K 39/12 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOSITIONS**
[54] **COMPOSITIONS IMMUNOGENES**
[72] GROSSE, HANS WOLFGANG, DE
[72] JASNY, EDITH, DE
[72] MUHE, JANINE, DE
[72] VASSILEV, VENTZISLAV BOJIDAROV, BE
[72] LORIN, CLARISSE, BE
[72] OUAKED, NADIA, BE
[72] MALLETT, COREY, US
[72] ROUXEL, RONAN, BE
[72] BLAIS, NORMAND, BE
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[71] CUREVAC SE, DE
[85] 2023-09-06
[86] 2022-03-25 (PCT/EP2022/057934)
[87] (WO2022/200575)
[30] US (63/166,539) 2021-03-26

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **TISSUE-CONTRACTING IMPLANTS FOR HEART VALVES**
[54] **IMPLANTS DE CONTRACTION DE TISSU POUR VALVULES CARDIAQUES**
[72] GUERRERO, MAURICIO, US
[72] FRANCIS, MEENA, US
[72] TAYLOR, DAVID M., US
[72] HALL, LINDSAY MARIE, US
[71] EDWARDS LIFESCIENCES INNOVATION (ISRAEL) LTD., IL
[85] 2023-09-06
[86] 2022-03-21 (PCT/IB2022/052523)
[87] (WO2022/200972)
[30] US (63/166,170) 2021-03-25

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTI-NECTIN-4 ANTIBODY EXATECAN CONJUGATES**
[54] **CONJUGUES EXATECAN-ANTICORPS ANTI-NECTINE-4**
[72] ELANDS, JACK, BE
[72] LHOSPPICE, FLORENCE, FR
[72] PREVILLE, XAVIER, FR
[72] OLIVE, DANIEL, FR
[72] LOPEZ, MARC, FR
[71] EMERGENCE THERAPEUTICS AG, DE
[71] UNIVERSITE D'AIX-MARSEILLE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] INSTITUT JEAN PAOLI & IRENE CALMETTES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE-CNRS, FR
[85] 2023-09-06
[86] 2022-03-31 (PCT/EP2022/058629)
[87] (WO2022/207825)
[30] EP (21166441.2) 2021-03-31
[30] EP (21170941.5) 2021-04-28
[30] EP (21172723.5) 2021-05-07
[30] EP (21209332.2) 2021-11-19

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[13] A1
[51] **Int.Cl. C02F 1/28 (2006.01) C02F 1/72 (2006.01)**
[25] EN
[54] **WATER TREATMENT MODULES AND METHOD OF USE THEREOF**
[54] **MODULES DE TRAITEMENT DE L'EAU ET LEUR PROCEDE D'UTILISATION**
[72] TALLY, WILLIAM N., US
[72] DUPUIS, JEFF, US
[72] ALDANA, VICTOR, US
[72] O'BRIEN, MITCH, US
[72] RUFFOLO, ALEX, US
[72] JUNI, JACK, US
[72] REESBECK, THOMAS, US
[71] RENEW HEALTH LIMITED, IE
[85] 2023-09-06
[86] 2022-03-07 (PCT/US2022/019184)
[87] (WO2022/192154)
[30] US (63/157,804) 2021-03-07
[30] US (63/157,994) 2021-03-08

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[13] A1
[25] EN
[54] **BAKING OR ROASTING PAN FOR AN OVEN**
[54] **PLAQUE DE CUISSON OU A ROTIR POUR FOUR**
[72] SAUER, STEEN, DK
[71] SAUERCONCEPT PATENT A/S, DK
[85] 2023-09-19
[86] 2022-03-17 (PCT/EP2022/057052)
[87] (WO2022/195039)
[30] EP (21163702.0) 2021-03-19

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[13] A1
[51] **Int.Cl. B32B 27/06 (2006.01) A61B 5/25 (2021.01) A61N 1/05 (2006.01) C08G 18/50 (2006.01)**
[25] EN
[54] **FLUORINATED ELASTOMERS FOR BRAIN PROBES AND OTHER APPLICATIONS**
[54] **ELASTOMERES FLUORES POUR SONDES CEREBRALES ET AUTRES APPLICATIONS**
[72] LIU, JIA, US
[72] LE FLOCH, PAUL CLAUDE HENRI, US
[72] SHENG, HAO, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2023-09-06
[86] 2022-03-09 (PCT/US2022/019430)
[87] (WO2022/192319)
[30] US (63/159,623) 2021-03-11
[30] US (63/290,732) 2021-12-17

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[13] A1
[51] **Int.Cl. B41M 3/14 (2006.01) B42D 25/29 (2014.01) B42D 25/30 (2014.01) B42D 25/309 (2014.01) B42D 25/351 (2014.01)**
[25] EN
[54] **MICRO-OPTIC SECURITY DEVICE WITH MULTI-PHASE ICON STRUCTURE**
[54] **DISPOSITIF DE SECURITE MICRO-OPTIQUE AVEC STRUCTURE D'ICONES A PHASES MULTIPLES**
[72] CAPE, SAMUEL M., US
[72] BLEIMAN, BENJAMIN E., US
[72] VAN GUMSTER, JASON, US
[71] CRANE & CO., INC., US
[85] 2023-09-05
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[51] **Int.Cl. B25C 1/08 (2006.01)**
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[54] **FASTENER-DRIVING TOOL WITH CHAMBER MEMBER RETAINING ASSEMBLY**
[54] **OUTIL D'ENTRAINEMENT D'ELEMENT DE FIXATION POURVU D'UN ENSEMBLE DE RETENUE D'ELEMENT DE CHAMBRE**
[72] MOELLER, LARRY, US
[72] BAUDRAND, OLIVIER, US
[72] LITCH, ANDREW, US
[72] ZHAO, HANXIN, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2023-09-06
[86] 2022-03-09 (PCT/US2022/019505)
[87] (WO2022/192364)
[30] US (63/159,696) 2021-03-11
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[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/12 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **BIOREACTOR TILE INCLUDING FLUIDIC CHANNELS AND AN OPTICAL WAVEGUIDE**
[54] **TUILE DE BIOREACTEUR COMPRENANT DES CANAUX FLUIDIQUES ET UN GUIDE D'ONDES OPTIQUES**
[72] HOVELL, CANDICE M., BE
[72] MARES, JEREMY, BE
[71] IMEC USA NANOELECTRONICS DESIGN CENTER, INC., US
[85] 2023-09-06
[86] 2022-03-01 (PCT/IB2022/000093)
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[30] US (63/157,654) 2021-03-06
[30] US (17/653,070) 2022-03-01

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[51] **Int.Cl. A61K 39/125 (2006.01) A61K 9/51 (2006.01) A61K 31/7105 (2006.01) A61P 31/16 (2006.01) A61P 37/04 (2006.01)**
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[54] **VLP ENTEROVIRAL VACCINES**
[54] **VACCINS ENTEROVIRAUX A PARTICULES PSEUDO-VIRALES (VLP)**
[72] BOLLMAN, BROOKE, US
[72] VACA, GABY BALDEON, US
[72] CUCUZZA, ANGELO, US
[72] LAI, YEN-TING, US
[71] MODERNATX, INC., US
[85] 2023-09-05
[86] 2022-03-04 (PCT/US2022/019014)
[87] (WO2022/187698)
[30] US (63/157,543) 2021-03-05

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01)**
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[54] **HETERODIMERIC ANTIBODIES THAT BIND CD3 AND CLDN6**
[54] **ANTICORPS HETERODIMERIQUES SE LIANT A CD3 ET A CLDN6**
[72] FABER, MATTHEW S., US
[72] LEE, SUNG-HYUNG, US
[72] KIM, YOON KYUNG, US
[72] QI, JING, US
[72] AVERY, KENDRA N., US
[72] CHU, SEUNG Y., US
[72] NISTHAL, ALEX, US
[72] BERNETT, MATTHEW J., US
[72] DESJARLAIS, JOHN R., US
[72] BORCHERT, CHAD, US
[71] XENCOR, INC., US
[85] 2023-09-06
[86] 2022-03-09 (PCT/US2022/019556)
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[30] US (63/158,584) 2021-03-09

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[25] EN
[54] **AUTOMOBILE HEADREST SAFE**
[54] **COFFRE-FORT D'APPUI-TETE AUTOMOBILE**
[72] MEISLER, IRVING D., US
[71] MEISLER, IRVING D., US
[85] 2023-09-05
[86] 2022-03-04 (PCT/US2022/018905)
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[30] US (63/157,173) 2021-03-05
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[51] **Int.Cl. A61F 5/443 (2006.01) A61F 5/453 (2006.01)**
[25] EN
[54] **FLUID COLLECTION DEVICES HAVING A MULTI-PART ADHESIVE COVER, AND RELATED SYSTEMS AND METHODS**
[54] **DISPOSITIFS DE COLLECTE DE FLUIDES MUNIS D'UN COUVERCLE ADHESIF EN PLUSIEURS PARTIES, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] NEWTON, CAMILLE ROSE, US
[71] PUREWICK CORPORATION, US
[85] 2023-09-19
[86] 2022-03-21 (PCT/US2022/021103)
[87] (WO2022/204000)
[30] US (63/165,273) 2021-03-24

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[51] **Int.Cl. A01B 3/08 (2006.01) G02B 27/01 (2006.01) G06F 1/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING AND CLASSIFYING OCULAR MISALIGNMENT**
[54] **SYSTEMES ET PROCEDES DE MESURE ET DE CLASSIFICATION D'UN MAUVAIS ALIGNEMENT OCULAIRE**
[72] BODNAR, ZACHARY, US
[72] MOSS, HEATHER, US
[72] BUICKIANS, DAVID, US
[71] BODNAR, ZACHARY, US
[71] MOSS, HEATHER, US
[71] BUICKIANS, DAVID, US
[85] 2023-09-05
[86] 2022-03-03 (PCT/US2022/018715)
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[30] US (17/193,322) 2021-03-05

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[51] **Int.Cl. A61K 39/395 (2006.01) C12Q 1/6886 (2018.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **TREATMENT OF CANCERS LACKING EGFR-ACTIVATING MUTATIONS**
[54] **TRAITEMENT DE CANCERS DEPOURVUS DE MUTATIONS ACTIVANT L'EGFR**
[72] HENLEY, BENJAMIN J., US
[72] MOORES, SHERI L., US
[71] JANSSEN BIOTECH, INC., US
[85] 2023-09-06
[86] 2022-03-07 (PCT/IB2022/052009)
[87] (WO2022/189942)
[30] US (63/158,552) 2021-03-09

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[51] **Int.Cl. C09K 8/035 (2006.01) B01D 17/04 (2006.01) C09K 8/58 (2006.01)**
[25] EN
[54] **FORMULATIONS CONTAINING NON-IONIC SURFACTANTS AS EMULSION-MODIFIERS IN OIL TREATMENTS**
[54] **FORMULATIONS CONTENANT DES TENSIOACTIFS NON IONIQUES EN TANT QUE MODIFICATEURS D'EMULSION DANS DES TRAITEMENTS DE PETROLE**
[72] SOKHANVARIAN, KHATERE, US
[72] STANCIU, CORNELL, US
[72] FERNANDEZ, JORGE, US
[71] SASOL CHEMICALS GMBH, DE
[85] 2023-09-05
[86] 2022-03-01 (PCT/US2022/018320)
[87] (WO2022/192032)
[30] US (63/158,433) 2021-03-09

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[51] **Int.Cl. A61K 39/145 (2006.01) A61K 39/02 (2006.01) A61P 31/16 (2006.01) C07K 14/11 (2006.01)**
[25] EN
[54] **VACCINES FOR THE TREATMENT AND PREVENTION OF ZOONOTIC INFECTIONS**
[54] **VACCINS POUR LE TRAITEMENT ET LA PREVENTION D'INFECTIONS ZOONOTIQUES**
[72] DAUM, LUKE T., US
[72] FISCHER, GERALD W., US
[71] LONGHORN VACCINES AND DIAGNOSTICS, LLC, US
[85] 2023-09-05
[86] 2022-02-28 (PCT/US2022/018125)
[87] (WO2022/187132)
[30] US (63/156,645) 2021-03-04
[30] US (63/246,580) 2021-09-21

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[51] **Int.Cl. G16H 20/70 (2018.01) G16H 40/63 (2018.01) G16H 50/30 (2018.01)**
[25] EN
[54] **SLEEP SYSTEM WITH FEATURES FOR PERSONALIZED SLEEP RECOMMENDATIONS**
[54] **SYSTEME DE SOMMEIL AVEC FONCTIONNALITES POUR RECOMMANDATIONS PERSONNALISEES DE SOMMEIL**
[72] STUSYNSKI, STACY, US
[72] SWENBY, KRISTEN ELIZABETH, US
[72] GARCIA MOLINA, GARY N., US
[71] SLEEP NUMBER CORPORATION, US
[85] 2023-09-19
[86] 2022-03-25 (PCT/US2022/021914)
[87] (WO2022/204493)
[30] US (63/166,490) 2021-03-26

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[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **HYBRID AUTOMATIC REPEAT REQUEST INFORMATION PROCESSING METHOD AND APPARATUS, AND COMMUNICATION DEVICE**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT D'INFORMATIONS DE DEMANDE DE REPETITION AUTOMATIQUE HYBRIDE, ET DISPOSITIF DE COMMUNICATION**
[72] YANG, TUO, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD. RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2023-09-19
[86] 2022-03-11 (PCT/CN2022/080404)
[87] (WO2022/194050)
[30] CN (202110296878.4) 2021-03-19

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[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/20 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **MULTILAYER POLYOLEFIN FILMS AND METHODS FOR THEIR PRODUCTION**
[54] **FILMS DE POLYOLEFINE MULTICOUCHES ET LEURS PROCEDES DE PRODUCTION**
[72] KONDURU, VENU M., US
[72] KOVALCHUK, JOHN E., US
[72] LI, MENG, US
[72] PHAM, HOANG T., US
[72] SHANG, JIHUI, US
[71] AVERY DENNISON CORPORATION, US
[85] 2023-09-05
[86] 2022-02-28 (PCT/US2022/018081)
[87] (WO2022/187118)
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[51] **Int.Cl. A45D 26/00 (2006.01)**
[25] EN
[54] **WAX APPLICATOR**
[54] **APPLICATEUR DE CIRE**
[72] COHEN, MALI FORTUNA, IL
[71] COHEN, MALI FORTUNA, IL
[85] 2023-09-06
[86] 2022-03-14 (PCT/IL2022/050286)
[87] (WO2022/195583)
[30] US (63/160,971) 2021-03-15

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[13] A1
[51] **Int.Cl. A61K 39/215 (2006.01) A61K 39/39 (2006.01) A61P 31/14 (2006.01) C07K 14/165 (2006.01) C12N 15/50 (2006.01)**
[25] EN
[54] **SARS-COV-2 POLYPEPTIDES**
[54] **POLYPEPTIDES DU SARS-COV-2**
[72] POLAND, GREGORY A., US
[72] OVSYANNIKOVA, INNA G., US
[72] KENNEDY, RICHARD B., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2023-09-06
[86] 2022-05-19 (PCT/US2022/030068)
[87] (WO2022/246084)
[30] US (63/190,964) 2021-05-20
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[13] A1
[51] **Int.Cl. A61F 2/12 (2006.01) B29C 65/02 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES AND METHODS OF MAKING PROSTHETIC IMPLANTS HAVING SELF-SEALING MEMBRANES FOR CLOSING PUNCTURES AND PREVENTING LEAKS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE FABRICATION D'IMPLANTS PROTHETIQUES AYANT DES MEMBRANES AUTO-OBTURANTES POUR FERMER LES PERFORATIONS ET EMPECHER LES FUITES**
[72] HOFFMAN, MICHAEL, US
[72] NATARAJAN, SRIRAM, US
[72] MULLEN, ANNMARIE, US
[72] ESTRELLA, HECTOR TORO, US
[71] MENTOR WORLDWIDE LLC, US
[85] 2023-09-05
[86] 2022-02-25 (PCT/IB2022/051692)
[87] (WO2022/185173)
[30] US (63/157,285) 2021-03-05
[30] US (17/675,122) 2022-02-18

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[13] A1
[51] **Int.Cl. B62K 5/007 (2013.01) B62K 5/025 (2013.01) A63B 55/60 (2015.01) A61H 3/04 (2006.01) B62B 3/02 (2006.01) B62K 19/18 (2006.01) B62K 23/00 (2006.01)**
[25] EN
[54] **SCOOTER CONVERTIBLE TO PUSH-CART**
[54] **TROTTINETTE CONVERTIBLE EN CHARIOT A POUSSER**
[72] MAOR, ZIV, IL
[71] GOLFIT LTD, IL
[85] 2023-09-06
[86] 2022-04-12 (PCT/IL2022/050377)
[87] (WO2022/224238)
[30] US (63/178,003) 2021-04-22

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[51] **Int.Cl. A61K 9/10 (2006.01) A61K 31/7072 (2006.01) A61K 47/14 (2017.01) A61K 47/38 (2006.01)**
[25] EN
[54] **URIDINE TRIACETATE AMORPHOUS FORMULATION**
[54] **FORMULATION AMORPHE D'URIDINE TRIACETATE**
[72] BAMAT, MICHAEL KEVIN, US
[72] GAO, YI, US
[72] MILLER, JEFFREY A., US
[72] QIU, YIHONG, US
[71] PHARMA CINQ, LLC, US
[85] 2023-09-05
[86] 2022-01-27 (PCT/US2022/014031)
[87] (WO2022/164985)
[30] US (63/142,297) 2021-01-27

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[13] A1
[51] **Int.Cl. H01M 8/04014 (2016.01) H01M 8/04089 (2016.01) H01M 8/04119 (2016.01) H01M 8/04291 (2016.01) H01M 8/0432 (2016.01) H01M 8/04492 (2016.01) H01M 8/04537 (2016.01) H01M 8/04746 (2016.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING AIR FLOW AT A FUEL CELL**
[54] **SYSTEMES ET PROCEDES DE COMMANDE D'ECOULEMENT D'AIR AU NIVEAU D'UNE PILE A COMBUSTIBLE**
[72] KIRK, CHRISTOPHER, GB
[72] HANSER, STEVEN, GB
[71] INTELLIGENT ENERGY LIMITED, GB
[85] 2023-09-05
[86] 2022-03-05 (PCT/IB2022/051962)
[87] (WO2022/185287)
[30] GB (2103119.0) 2021-03-05

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[13] A1
[51] **Int.Cl. C08L 83/14 (2006.01) C08K 3/011 (2018.01) C09D 183/04 (2006.01) C09D 183/14 (2006.01)**
[25] EN
[54] **CURABLE COMPOSITION, AND CURED COATING, ARTICLE, AND METHOD FOR FORMING COATING USING THE SAME**
[54] **COMPOSITION DURCISSABLE, REVETEMENT DURCI, ARTICLE ET METHODE DE FORMATION DU REVETEMENT A L'AIDE DE LA COMPOSITION**
[72] KUBOYAMA, TOSHIFUMI, JP
[71] THREEBOND CO., LTD., JP
[85] 2023-09-06
[86] 2022-03-08 (PCT/JP2022/009959)
[87] (WO2022/196430)
[30] JP (2021-043634) 2021-03-17

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[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **INITIATION OF SMALL DATA TRANSMISSION**
[54] **INITIATION D'UNE TRANSMISSION DE DONNEES DE PETITE TAILLE**
[72] WU, CHUNLI, CN
[72] TURTINEN, SAMULI HEIKKI, FI
[72] KOSKINEN, JUSSI-PEKKA, FI
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2023-09-19
[86] 2021-03-22 (PCT/CN2021/081989)
[87] (WO2022/198358)

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[13] A1
[51] **Int.Cl. C08B 37/00 (2006.01) A61K 47/61 (2017.01)**
[25] EN
[54] **GLYCAN, AND METHOD FOR PRODUCING MEDICINE CONTAINING GLYCAN**
[54] **GLYCANE ET PROCEDE DE PRODUCTION D'UN MEDICAMENT CONTENANT UN GLYCANE**
[72] UEDA, TSUYOSHI, JP
[72] SUZUKI, KEISUKE, JP
[72] ITOH, RYUSEI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2023-09-06
[86] 2022-03-11 (PCT/JP2022/010851)
[87] (WO2022/191313)
[30] JP (2021-040164) 2021-03-12

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[13] A1
[51] **Int.Cl. H04N 13/161 (2018.01) H04N 19/119 (2014.01) H04N 19/33 (2014.01) H04N 19/174 (2014.01) H04N 19/176 (2014.01) H04N 19/593 (2014.01) H04L 65/612 (2022.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR WIRE FORMATS FOR SEGMENTED MEDIA METADATA FOR PARALLEL PROCESSING IN A CLOUD PLATFORM**
[54] **PROCEDE ET APPAREIL POUR FORMATS DE FIL POUR METADONNEES MULTIMEDIAS SEGMENTEES POUR UN TRAITEMENT PARALLELE DANS UNE PLATEFORME EN NUAGE**
[72] SODAGAR, IRAJ, US
[71] TENCENT AMERICA LLC, US
[85] 2023-09-19
[86] 2023-01-04 (PCT/US2023/010078)
[87] (WO2023/136971)
[30] US (63/298,922) 2022-01-12
[30] US (17/991,530) 2022-11-21

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[13] A1
[51] **Int.Cl. E21B 19/16 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING A LOOSENED JOINT OF A DRILL STRING**
[54] **PROCEDE ET SYSTEME DE DETECTION D'UN JOINT DESSERRE D'UN TRAIN DE TIGES DE FORAGE**
[72] MORTZELL, GUSTAV, SE
[72] ADOLFSSON, THOMAS, SE
[71] EPIROC ROCK DRILLS AKTIEBOLAG, SE
[85] 2023-09-19
[86] 2022-03-10 (PCT/SE2022/050234)
[87] (WO2022/203564)
[30] SE (2150366-9) 2021-03-26

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[13] A1
[25] EN
[54] **INTEGRATED ADHESIVE LINER AND NEEDLE SHIELD REMOVER FOR DRUG DELIVERY SYSTEM**
[54] **DOUBLURE ADHESIVE INTEGREE ET EXTRACTEUR DE PROTECTION D'AIGUILLE POUR SYSTEME D'ADMINISTRATION DE MEDICAMENT**
[72] CLASEN, ERIC SCOTT, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2023-09-19
[86] 2022-03-28 (PCT/US2022/022114)
[87] (WO2022/212239)
[30] US (63/169,589) 2021-04-01

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[13] A1
[51] **Int.Cl. F24F 7/003 (2021.01) A01K 1/00 (2006.01) F24F 7/00 (2021.01) F24F 13/06 (2006.01) F24F 13/08 (2006.01)**
[25] EN
[54] **WIND HOOD AND VENTILATED ENCLOSED SPACE PROVIDED WITH SUCH WIND HOOD**
[54] **HOTTE ET ESPACE FERME VENTILE EQUIPE D'UNE TELLE HOTTE**
[72] KURVERS, RICHARD JOSEPH MATHIJS, NL
[72] PIJNENBURG, KRIS JOHANNES HENDRIKUS, NL
[71] FANCOM B.V., NL
[85] 2023-09-06
[86] 2022-03-14 (PCT/NL2022/050138)
[87] (WO2022/191711)
[30] NL (2027745) 2021-03-12

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[13] A1
[51] **Int.Cl. A61K 31/422 (2006.01) A61K 31/427 (2006.01) A61K 31/4439 (2006.01)**
[25] EN
[54] **METHYL-SUBSTITUTED PYRIDINE AND PYRIDAZINE COMPOUNDS, DERIVATIVES THEREOF, AND METHODS OF THEIR USE**
[54] **COMPOSES DE PYRIDINE ET DE PYRIDAZINE SUBSTITUES PAR METHYLE, LEURS DERIVES ET LEURS PROCEDES D'UTILISATION**
[72] JONES, ROBERT M., US
[72] BAJJI, ASHOK, US
[72] MONCK, NATHANIEL JULIUS THOMAS, GB
[72] O'CONNOR, SUZANNE J., GB
[72] RATHMELL, RICHARD EDMUND, GB
[72] GARDINER, WILLIAM H., GB
[72] TOWNSEND, ROBERT JAMES, GB
[72] PITA, ANDREINA PACHECO, GB
[72] BRUNAVS, MICHAEL, GB
[72] SHAIKH, ABDUL KADAR, GB
[72] SHINE, JONATHAN PAUL, GB
[72] WIGGINTON, IAN JAMES, GB
[72] RICHARDS, JONATHAN PHILIP, GB
[72] MASTANDREA, MARCO MICHELE, GB
[72] DAVENPORT, ADAM JAMES, GB
[72] MOYER, BRYAN, US
[72] POSLUSNEY, MICHAEL, US
[72] BARROW, JAMES, US
[71] LATIGO BIOTHERAPEUTICS, INC., US
[71] LIEBER INSTITUTE, INC., US
[85] 2023-09-06
[86] 2022-03-10 (PCT/US2022/019673)
[87] (WO2022/192487)
[30] US (63/159,718) 2021-03-11
[30] US (63/159,720) 2021-03-11
[30] US (63/185,164) 2021-05-06
[30] US (63/185,692) 2021-05-07
[30] US (63/196,713) 2021-06-04
[30] US (63/196,715) 2021-06-04
[30] US (63/237,368) 2021-08-26
[30] US (63/252,459) 2021-10-05
[30] US (63/252,469) 2021-10-05

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[13] A1
[51] **Int.Cl. B64G 1/44 (2006.01) H02S 30/20 (2014.01) H01L 31/042 (2014.01)**
[25] EN
[54] **MORPHING SELF-STIFFENING ARRAY (MOSSA) AND HINGE**
[54] **RESEAU AUTO-RIGIDIFIANT DE MORPHAGE (MOSSA) ET CHARNIERE**
[72] MURPHEY, THOMAS W., US
[72] NICHOLSON, LEVI, US
[71] OPTERUS RESEARCH AND DEVELOPMENT, INC., US
[85] 2023-09-19
[86] 2022-03-23 (PCT/US2022/021491)
[87] (WO2022/204247)
[30] US (63/165,192) 2021-03-24
[30] US (17/701,277) 2022-03-22

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[13] A1
[51] **Int.Cl. C07C 15/24 (2006.01) C07C 255/01 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS OF DETECTING SYSTEMIC AMYLOIDOSIS VIA BINDING TO MISFOLDED OR AGGREGATED PROTEIN**
[54] **PROCEDES DE DETECTION D'AMYLOIDOSE SYSTEMIQUE PAR LIAISON A UNE PROTEINE MAL REPLIEE OU AGREGEE**
[72] SARRAF, STELLA T., US
[72] VANDERKLISH, PETER W., US
[72] TAFRESHI, ALI, US
[71] AMYDIS, INC., US
[85] 2023-09-06
[86] 2022-03-11 (PCT/US2022/020013)
[87] (WO2022/192714)
[30] US (63/160,602) 2021-03-12

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[51] **Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
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[54] **SOTORASIB DOSING REGIMEN**
[54] **REGIME POSOLOGIQUE DE SOTORASIB**
[72] FRIBERG, GREGORY, US
[72] HENARY, HABY, US
[72] HOUK, BRETT E., US
[72] MATHER, OMAR A., US
[72] NGARMCHAMNANRITH, GATAREE, US
[72] DUTTA, SANDEEP, US
[71] AMGEN INC., US
[85] 2023-09-06
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[87] (WO2022/197865)
[30] US (63/162,273) 2021-03-17
[30] US (63/185,054) 2021-05-06
[30] US (63/190,096) 2021-05-18

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[13] A1
[51] **Int.Cl. E04D 13/068 (2006.01)**
[25] EN
[54] **RAISED GUTTER COVER**
[54] **PROTECTION SURELEVEE POUR GOUTTIERE**
[72] BAILEY, LANCE, US
[72] BAILEY, RANDY, US
[72] HERDRICH, DAVID, US
[72] BECK, BRIAN, US
[71] GPI HOME SOLUTIONS, US
[85] 2023-09-19
[86] 2022-03-21 (PCT/US2022/021191)
[87] (WO2022/198133)
[30] US (63/163,613) 2021-03-19
[30] US (17/698,944) 2022-03-18

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[13] A1
[51] **Int.Cl. B60G 11/27 (2006.01) B60G 11/46 (2006.01)**
[25] EN
[54] **LIFT AXLE SUSPENSION SYSTEMS WITH LIFT PADDLE**
[54] **SYSTEMES DE SUSPENSION D'ESSIEU RELEVABLE A PALETTE DE LEVAGE**
[72] DUDDING, ASHLEY T., US
[72] LINDSAY, SEAN T., US
[72] ETTENHOFER, RYAN M., US
[72] ROBINSON, MICHAEL P., US
[72] AUMANN, RICHARD J., US
[71] HENDRICKSON USA, L.L.C., US
[85] 2023-09-06
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[87] (WO2022/198070)
[30] US (63/163,539) 2021-03-19

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[13] A1
[51] **Int.Cl. A24D 1/04 (2006.01)**
[25] EN
[54] **TIPPING PAPER WITH THERMALLY EXPANDABLE PARTICLES**
[54] **PAPIER DE MANCHETTE A PARTICULES THERMIQUEMENT EXPANSIBLES**
[72] KNAUSEDER, BERNHARD, AT
[71] TANNPAPIER GMBH, AT
[85] 2023-09-19
[86] 2022-05-04 (PCT/AT2022/060153)
[87] (WO2022/236350)
[30] AT (A 50370/2021) 2021-05-12

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[13] A1
[51] **Int.Cl. H04W 24/02 (2009.01)**
[25] EN
[54] **CONFIGURATION OPTIMIZATION METHOD, APPARATUS AND DEVICE, AND READABLE STORAGE MEDIUM**
[54] **PROCEDE, APPAREIL ET DISPOSITIF D'OPTIMISATION DE CONFIGURATION, ET SUPPORT DE STOCKAGE LISIBLE**
[72] XIE, FANG, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2023-09-19
[86] 2022-03-21 (PCT/CN2022/082056)
[87] (WO2022/199535)
[30] CN (202110301986.6) 2021-03-22

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[13] A1
[51] **Int.Cl. H02S 30/20 (2014.01)**
[25] EN
[54] **RETRACTABLE MAST SOLAR ARRAY**
[54] **RESEAU SOLAIRE A MAT RETRACTABLE**
[72] MURPHEY, THOMAS W., US
[72] SMUTNEY, EDWARD, US
[72] HUNT, DANIEL, US
[71] OPTERUS RESEARCH AND DEVELOPMENT, INC., US
[85] 2023-09-19
[86] 2022-03-31 (PCT/US2022/022777)
[87] (WO2022/250782)
[30] US (63/170,134) 2021-04-02
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[13] A1
[51] **Int.Cl. G01N 33/24 (2006.01) G06Q 10/06 (2023.01)**
[25] EN
[54] **ADDRESSING INCOMPLETE SOIL SAMPLE DATA IN SOIL ENRICHMENT PROTOCOL PROJECTS**
[54] **TRAITEMENT DE DONNEES D'ECHANTILLON DE SOL INCOMPLETES DANS DES PROJETS DE PROTOCOLE D'ENRICHISSEMENT DE SOL**
[72] SEGAL, BRIAN, US
[72] BRUMMITT, CHARLES DAVID, US
[71] INDIGO AG, INC., US
[85] 2023-09-06
[86] 2022-04-20 (PCT/US2022/025478)
[87] (WO2022/226023)
[30] US (63/177,376) 2021-04-20
[30] US (63/238,541) 2021-08-30
[30] US (63/306,284) 2022-02-03
[30] US (63/319,629) 2022-03-14

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[51] **Int.Cl. B61B 1/00 (2006.01) B61B 3/00 (2006.01) B61C 17/00 (2006.01) B61D 47/00 (2006.01) B61F 5/00 (2006.01) B61G 5/00 (2006.01) B61J 1/04 (2006.01)**
[25] EN
[54] **FREIGHT HANDLING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE MANIPULATION DE FRET**
[72] HATHAWAY, RICHARD C., US
[71] KACI INTERMODAL SYSTEMS, LLC., US
[85] 2023-09-05
[86] 2022-03-22 (PCT/IB2022/052629)
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[30] US (63/164,858) 2021-03-23

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[13] A1
[51] **Int.Cl. H04L 9/00 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISTRIBUTION OF ENCRYPTED TRAFFIC IN A MULTIPLE INDEPENDENT LEVEL SECURITY ENVIRONMENT**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE TRAFIC CHIFFRE DANS UN ENVIRONNEMENT DE SECURITE A MULTIPLES NIVEAUX INDEPENDANTS**
[72] BARELLA, SCOTT, US
[72] MURPHY, JAMES, US
[71] PESA CORPORATION, CA
[85] 2023-09-05
[86] 2022-05-10 (PCT/IB2022/054345)
[87] (WO2022/238904)
[30] US (63/188,565) 2021-05-14

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[13] A1
[25] EN
[54] **REQUESTING AND CONTROLLING ACCESS TO WASTE COLLECTION POINTS**
[54] **DEMANDE ET COMMANDE D'ACCES A DES POINTS DE COLLECTE DE DECHETS**
[72] SUNDHOLM, GORAN, FI
[72] LINDSTROM, JUHA, FI
[72] EKBLAD, JARI, FI
[71] MARICAP OY, FI
[85] 2023-09-19
[86] 2022-04-20 (PCT/FI2022/050256)
[87] (WO2022/223879)
[30] FI (20215466) 2021-04-21

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[13] A1
[51] **Int.Cl. C07D 237/34 (2006.01) A61P 25/28 (2006.01) C07D 403/04 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **PHTHALAZINONE DERIVATIVES AS NLRP3 INFLAMMASOME INHIBITORS**
[54] **DERIVES DE PHTALAZINONE EN TANT QU'INHIBITEURS D'INFLAMMATION DE NLRP3**
[72] OEHLRICH, DANIEL, BE
[72] VAN OPDENBOSCH, NINA, BE
[72] LAMKANFI, MOHAMED, BE
[72] CANELLAS ROMAN, SANTIAGO, ES
[72] VAN GOOL, MICHIEL LUC MARIA, ES
[72] DIEGUEZ VAZQUEZ, ALEJANDRO, ES
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2023-09-19
[86] 2022-04-28 (PCT/EP2022/061324)
[87] (WO2022/229315)
[30] EP (21171231.0) 2021-04-29

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[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A61K 35/761 (2015.01) A61K 35/76 (2015.01) A61K 38/22 (2006.01) A61P 1/18 (2006.01) A61P 3/10 (2006.01) A61P 43/00 (2006.01) C07K 14/475 (2006.01) C07K 14/485 (2006.01) C07K 14/62 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/18 (2006.01) C12N 15/19 (2006.01) C12N 15/86 (2006.01) C12N 15/861 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **HB-EGF GENE THERAPY FOR DIABETES**
[54] **THERAPIE GENIQUE HB-EGF POUR LE DIABETE**
[72] KOSAI, KEN-ICHIRO, JP
[72] MATSUDA, ERIKO, JP
[71] KAGOSHIMA UNIVERSITY, JP
[85] 2023-09-05
[86] 2022-03-02 (PCT/JP2022/008898)
[87] (WO2022/186282)
[30] JP (2021-033714) 2021-03-03
[30] JP (2021-145796) 2021-09-07

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[51] **Int.Cl. A61K 8/73 (2006.01) A61Q 5/00 (2006.01) A61Q 5/04 (2006.01) A61Q 5/06 (2006.01)**
[25] EN
[54] **AGENT FOR ENHANCING HAIR-SETTING ABILTY**
[54] **AGENT POUR AMELIORER LA FORCE DE MISE EN PLACE DES CHEVEUX**
[72] CHIKATOMO, AMI, JP
[72] SODA, KAHO, JP
[72] TANIGUCHI, MUTSUKO, JP
[72] MIYAKE, MASAKI, JP
[72] IWAKI, KANSO, JP
[71] HAYASHIBARA CO., LTD., JP
[85] 2023-09-05
[86] 2022-03-02 (PCT/JP2022/008915)
[87] (WO2022/186286)
[30] JP (2021-035865) 2021-03-05
[30] JP (2021-184640) 2021-11-12

[21] **3,212,729**
[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01)**
[25] EN
[54] **SAFE AND EFFECTIVE METHOD OF TREATING PSORIATIC ARTHRITIS WITH ANTI-IL23 SPECIFIC ANTIBODY**
[54] **METHODE SURE ET EFFICACE DE TRAITEMENT DE L'ARTHRITE PSORIASIQUE AU MOYEN D'UN ANTICORPS SPECIFIQUE ANTI-IL23**
[72] HSIA, ELIZABETH, US
[72] KOLLMEIER, ALEXA, US
[72] XU, XIE, US
[71] JANSSEN BIOTECH, INC., US
[85] 2023-09-05
[86] 2022-03-10 (PCT/IB2022/052161)
[87] (WO2022/190033)
[30] US (63/160,272) 2021-03-12

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[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61K 31/4418 (2006.01) A61K 31/496 (2006.01) A61P 11/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING FIBROSIS**
[54] **COMPOSITION PHARMACEUTIQUE DESTINEE A LA PREVENTION OU AU TRAITEMENT DE LA FIBROSE**
[72] LEE, CAROLINE HEE, KR
[72] CHO, MIN JAE, KR
[72] PARK, MIN YOUNG, KR
[72] HAN, JU MI, KR
[72] PARK, JOON SEOK, KR
[71] DAEWOONG PHARMACEUTICAL CO., LTD., KR
[85] 2023-09-05
[86] 2022-05-02 (PCT/KR2022/006230)
[87] (WO2022/240035)
[30] KR (10-2021-0062252) 2021-05-13
[30] KR (10-2021-0110520) 2021-08-20

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[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **A PI3K-DELTA INHIBITOR FOR USE IN TREATMENT REGIMENS**
[54] **INHIBITEUR DE PI3K-DELTA DESTINE A ETRE UTILISE DANS DES REGIMES DE TRAITEMENT**
[72] PICKERING, CATHERINE, CH
[72] VAN DER VEEN, LARS, CH
[72] LAHN, MICHAEL, CH
[72] ZORRILLA, REBECA, CH
[72] JOHNSON, ZOE, CH
[71] IONCTURA SA, CH
[85] 2023-09-19
[86] 2022-03-29 (PCT/EP2022/058283)
[87] (WO2022/207646)
[30] GB (2104416.9) 2021-03-29
[30] GB (2117511.2) 2021-12-03

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[13] A1
[51] **Int.Cl. G21C 19/32 (2006.01) G21F 5/10 (2006.01)**
[25] EN
[54] **ZAMAK STABILIZATION OF SPENT SODIUM-COOLED REACTOR FUEL ASSEMBLIES**
[54] **STABILISATION PAR ZAMAK D'ENSEMBLES COMBUSTIBLES DE REACTEUR REFROIDIS AU SODIUM USES**
[72] CORBIN, ROBERT A., US
[72] HEJZLAR, PAVEL, US
[72] TRUAX, JOHN E., US
[72] WERNER, MARK R., US
[71] TERRAPOWER, LLC, US
[85] 2023-09-19
[86] 2021-04-14 (PCT/US2021/027249)
[87] (WO2022/220819)

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[13] A1
[51] **Int.Cl. C07H 19/16 (2006.01) A61K 31/7076 (2006.01)**
[25] EN
[54] **ADENOSINE DERIVATIVE HAVING ANTAGONISTIC ACTION ON A2A AND A3 ADENOSINE RECEPTORS AND METHOD FOR PREPARING SAME**
[54] **DERIVE D?ADENOSINE AYANT UNE ACTION ANTAGONISTE SUR LES RECEPTEURS DE L?ADENOSINE A2A ET A3 ET PROCEDE DE PREPARATION ASSOCIE**
[72] LEE, HYUK WOO, KR
[72] SON, SEO HYUN, KR
[72] KANG, JI YOON, KR
[72] JANG, HYU JEONG, KR
[72] AHN, SANG YEOP, KR
[72] KIM, JI WON, KR
[72] BYUN, JOON SEOK, KR
[72] JI, SEUNG HEE, KR
[72] KIM, SEO HYUN, KR
[72] CHOI, JONG RYOUL, KR
[71] FUTURE MEDICINE CO., LTD., KR
[71] HK INNO.N CORPORATION, KR
[85] 2023-09-19
[86] 2022-03-24 (PCT/KR2022/004147)
[87] (WO2022/203427)
[30] KR (10-2021-0039963) 2021-03-26

[21] **3,212,734**
[13] A1
[25] EN
[54] **A SAFETY NEEDLE DEVICE**
[54] **DISPOSITIF A AIGUILLE DE SECURITE**
[72] OSAK, ROBERT, PL
[72] KOMUDA, MARCIN, PL
[72] NIEMIEC, MARCIN, PL
[72] GRZELAK, ROBERT, PL
[72] PER?AK, RAFA?, PL
[72] BIA?AS, BART?OMIEJ, PL
[71] HTL-STREFA S.A., PL
[85] 2023-09-19
[86] 2022-03-29 (PCT/EP2022/058333)
[87] (WO2022/207670)
[30] EP (21166669.8) 2021-04-01

[21] **3,212,737**
[13] A1
[51] **Int.Cl. C25B 9/60 (2021.01) C25B 9/77 (2021.01)**
[25] EN
[54] **STRUCTURAL ASSEMBLY OF A CELL OF AN ELECTROLYZER, ELECTROLYZER, AND METHOD OF MANUFACTURING SUCH STRUCTURAL ASSEMBLY**
[54] **ENSEMBLE STRUCTURAL D'UNE CELLULE D'UN ELECTROLYSEUR, ELECTROLYSEUR ET PROCEDE DE FABRICATION D'UN TEL ENSEMBLE STRUCTURAL**
[72] FANDINO, VICENTE, DE
[72] HAEGELE, CHRISTIAN, DE
[72] HERING, ALFRED, DE
[72] SCHNEIDER, ADRIAN, CH
[71] HITACHI ZOSEN INOVA AG, CH
[85] 2023-09-19
[86] 2022-03-29 (PCT/EP2022/058305)
[87] (WO2022/207654)
[30] EP (21166519.5) 2021-04-01

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[13] A1
[51] **Int.Cl. C08K 5/5317 (2006.01) B29D 7/01 (2006.01)**
[25] EN
[54] **POLYETHYLENE POLYMER COMPOSITIONS AND ARTICLES MADE FROM THE SAME**
[54] **COMPOSITIONS POLYMERES DE POLYETHYLENE ET ARTICLES FABRIQUES A PARTIR DE CELLES-CI**
[72] DOTSON, DARIN, US
[72] FORRISTER, WALTER, US
[72] XU, XIAOYOU, US
[72] SUN, HUA, US
[71] MILLIKEN & COMPANY, US
[85] 2023-09-19
[86] 2022-04-21 (PCT/US2022/025852)
[87] (WO2022/226249)
[30] US (63/178,217) 2021-04-22

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[13] A1
[51] **Int.Cl. H04W 48/18 (2009.01) H04W 36/14 (2009.01)**
[25] EN
[54] **MOBILE COMMUNICATION DEVICE AND COMPUTER-IMPLEMENTED METHOD OF OPERATING A MOBILE COMMUNICATION DEVICE**
[54] **DISPOSITIF DE COMMUNICATION MOBILE ET PROCEDE MIS EN ?UVRE PAR ORDINATEUR DE FONCTIONNEMENT D'UN DISPOSITIF DE COMMUNICATION MOBILE**
[72] VAN DEN BRINK, TIMON, NL
[72] STOKER, JEROEN FREDERIK JAN, NL
[72] ZONNEVELD, ROLAND MATTHIJS, NL
[71] LYFO B.V., NL
[85] 2023-09-19
[86] 2022-03-22 (PCT/NL2022/050152)
[87] (WO2022/203503)

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[13] A1
[51] **Int.Cl. A01N 41/10 (2006.01) A01N 57/20 (2006.01)**
[25] EN
[54] **STABLE EMULSIONS**
[54] **EMULSIONS STABLES**
[72] HEVRONI, LIRON, IL
[72] SILBERT, GILAD, IL
[72] MOCATTA, DAVID, IL
[72] GUBRIY, VLADIMIR, IL
[71] ADAMA AGAN LTD., IL
[85] 2023-09-19
[86] 2022-03-31 (PCT/IL2022/050343)
[87] (WO2022/208501)
[30] EP (21166160.8) 2021-03-31
[30] EP (21195553.9) 2021-09-08

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[13] A1
[51] **Int.Cl. A47C 1/032 (2006.01) A47C 5/10 (2006.01)**
[25] EN
[54] **SEAT COMPRISING A FRAME AND A COVER, AND METHOD OF MANUFACTURING THE SAME**
[54] **SIEGE COMPRENANT UN CADRE ET UNE HOUSSE, ET SON PROCEDE DE FABRICATION**
[72] SMIT, FERNANDO, NL
[71] F. SMIT HOLDING B.V., NL
[85] 2023-09-19
[86] 2022-03-24 (PCT/NL2022/050163)
[87] (WO2022/203511)
[30] NL (2027841) 2021-03-25

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[13] A1
[25] FR
[54] **MODULAR FLOOR ASSEMBLY FOR AN ANIMAL-REARING BUILDING, CORRESPONDING FLOOR AND BUILDING, AND METHOD FOR ERECTING A BUILDING THAT EMPLOYS SAME**
[54] **ENSEMBLE MODULAIRE DE SOUBASSEMENT D'UN BATIMENT D'ELEVAGE, SOUBASSEMENT ET BATIMENT CORRESPONDANTS, ET PROCEDE DE CONSTRUCTION D'UN BATIMENT QUI EN FAIT USAGE**
[72] LE GUILLOUX, PIERRE, FR
[72] PREVOST, PASCAL, FR
[72] MORVEZEN, MAELLE, FR
[72] DOMAIN, CEDRIC, FR
[71] SOCOBATI, FR
[85] 2023-09-19
[86] 2022-03-14 (PCT/EP2022/056456)
[87] (WO2022/207286)
[30] FR (FR2103347) 2021-03-31

[21] **3,212,743**
[13] A1
[25] FR
[54] **NOVEL USE OF AN IMMUNOGENIC OR VACCINAL COMPOSITION AGAINST COVID-19**
[54] **NOUVELLE APPLICATION D'UNE COMPOSITION IMMUNOGENE OU VACCINALE CONTRE LA COVID-19**
[72] SCHRAGE, NORBERT, DE
[72] HOLZER, FRANK, DE
[72] BLOMET, JOEL, FR
[72] DESMECHT, DANIEL, BE
[71] EYE VACC, BE
[85] 2023-09-19
[86] 2022-03-22 (PCT/EP2022/057548)
[87] (WO2022/200384)
[30] DE (10 2021 001 467.7) 2021-03-22

[21] **3,212,744**
[13] A1
[25] EN
[54] **METHOD OF CHARACTERISING A CANCER**
[54] **PROCEDE DESTINE A CARACTERISER UN CANCER**
[72] NIK-ZAINAL, SERENA, GB
[72] DEGASPERI, ANDREA, GB
[72] ZOU, XUEQING, GB
[71] CAMBRIDGE ENTERPRISE LIMITED, GB
[85] 2023-09-19
[86] 2022-03-21 (PCT/EP2022/057387)
[87] (WO2022/200293)
[30] GB (2104308.8) 2021-03-26

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[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A61K 31/05 (2006.01) A61P 25/18 (2006.01) A61P 25/20 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **CANNABINOID FORMULATION FOR MANAGEMENT OF DEPRESSION, ANXIETY AND PTSD, AND CANNABINOID FORMULATION AS A SLEEP AID**
[54] **FORMULATION DE CANNABINOIDE POUR LA GESTION DE LA DEPRESSION, DE L?ANXIETE ET DU TSPT, ET FORMULATION DE CANNABINOIDE COMME AIDE AU SOMMEIL**
[72] ZETTL, BRENTON HAROLD, CA
[71] ZYUS LIFE SCIENCES INC., CA
[85] 2023-09-19
[86] 2021-11-10 (PCT/CA2021/051602)
[87] (WO2022/204782)
[30] US (63/168,868) 2021-03-31

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[13] A1
[25] EN
[54] **A METHOD FOR INTEGRATED GAZE INTERACTION WITH A VIRTUAL ENVIRONMENT, A DATA PROCESSING SYSTEM, AND COMPUTER PROGRAM**
[54] **PROCEDE D'INTERACTION INTEGREE PAR LE REGARD AVEC UN ENVIRONNEMENT VIRTUEL, SYSTEME DE TRAITEMENT DE DONNEES, ET PROGRAMME INFORMATIQUE**
[72] BERGEN, KLAES, DK
[71] LEGIND VON BERGEN HOLDING APS, DK
[85] 2023-09-19
[86] 2022-03-31 (PCT/EP2022/058625)
[87] (WO2022/207821)
[30] EP (21166418.0) 2021-03-31

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[13] A1
[51] **Int.Cl. G09B 19/24 (2006.01) G09B 9/00 (2006.01) G21C 17/017 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SIMULATING AN OPERATION OF ONE OR MORE AUTOMATED TOOLS**
[54] **SYSTEMES ET PROCEDES DE SIMULATION D'UNE EXPLOITATION D'UN OU PLUSIEURS OUTILS AUTOMATISES**
[72] JOHANNESSON, MARK, CA
[72] HERGERT, WESLEY, CA
[71] ATS AUTOMATION TOOLING SYSTEMS INC., CA
[85] 2023-09-19
[86] 2022-03-16 (PCT/CA2022/050394)
[87] (WO2022/193011)
[30] US (63/163,244) 2021-03-19

[21] **3,212,749**
[13] A1
[51] **Int.Cl. C12Q 1/6851 (2018.01) C12Q 1/6883 (2018.01)**
[25] EN
[54] **FRAGMENT ANALYSIS FOR QUANTITATIVE DIAGNOSTICS OF BIOLOGICAL TARGETS**
[54] **ANALYSE DE FRAGMENTS POUR LE DIAGNOSTIC QUANTITATIF DE CIBLES BIOLOGIQUES**
[72] BROWN, DEVON BRIAN CHANDLER, US
[72] BUENO, ANNA, US
[72] TSAO, DAVID, US
[72] OGUZHAN, ATAY, US
[71] BILLIONTOONE INC., US
[85] 2023-09-19
[86] 2022-03-23 (PCT/US2022/021603)
[87] (WO2022/204322)
[30] US (63/165,014) 2021-03-23

[21] **3,212,750**
[13] A1
[51] **Int.Cl. F41G 1/473 (2006.01)**
[25] FR
[54] **METHOD FOR ASSISTING WITH FIRING ON A MOVING TARGET, AND ASSOCIATED DEVICE AND ASSEMBLY**
[54] **PROCEDE D'AIDE AU TIR SUR UNE CIBLE MOBILE, DISPOSITIF ET ENSEMBLE ASSOCIES**
[72] NARCY, GABRIEL, FR
[71] THALES, FR
[85] 2023-09-19
[86] 2022-03-22 (PCT/EP2022/057451)
[87] (WO2022/200325)
[30] FR (FR2102831) 2021-03-22

[21] **3,212,752**
[13] A1
[51] **Int.Cl. G01J 1/06 (2006.01) H04L 49/101 (2022.01) H04L 49/15 (2022.01) G01J 1/42 (2006.01) G01M 11/00 (2006.01) G02B 6/42 (2006.01) G02F 1/225 (2006.01) H03K 17/78 (2006.01)**
[25] EN
[54] **COMMUNICATION METHODS, SYSTEMS AND DEVICES**
[54] **PROCEDES, SYSTEMES ET DISPOSITIFS DE COMMUNICATION**
[72] ROLSTON, DAVID, CA
[72] AHMAD, KHALID, US
[71] AXONAL NETWORKS INC., CA
[85] 2023-09-19
[86] 2022-03-22 (PCT/CA2022/050422)
[87] (WO2022/198310)
[30] US (63/163,943) 2021-03-22
[30] US (63/163,945) 2021-03-22
[30] US (63/167,703) 2021-03-30

[21] **3,212,753**
[13] A1
[51] **Int.Cl. C04B 35/115 (2006.01) C04B 35/443 (2006.01) C04B 35/468 (2006.01) C04B 35/553 (2006.01) C04B 35/632 (2006.01) C04B 35/634 (2006.01)**
[25] EN
[54] **MATERIAL AND PROCESS FOR FABRICATING AND SHAPING OF TRANSPARENT CERAMICS**
[54] **MATERIAU ET PROCEDE DE FABRICATION ET DE FACONNAGE DE CERAMIQUES TRANSPARENTES**
[72] RAPP, BASTIAN, DE
[72] KOTZ-HELMER, FREDERIK, DE
[71] GLASSOMER GMBH, DE
[85] 2023-09-19
[86] 2022-03-28 (PCT/EP2022/058116)
[87] (WO2022/200629)
[30] EP (21165200.3) 2021-03-26

[21] **3,212,754**
[13] A1
[51] **Int.Cl. A01N 37/44 (2006.01) A01N 25/30 (2006.01) A01N 37/36 (2006.01) A01N 45/00 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **ANTIBIOFILM FORMULATIONS COMPRISING A POLYCARBOXYLIC ACID DERIVATIVE, AN ESSENTIAL OIL, AND A SELECT BIOSURFACTANT**
[54] **FORMULATIONS D'ANTIBIOFILM COMPRENANT UN DERIVE D'ACIDE POLYCARBOXYLIQUE, UNE HUILE ESSENTIELLE ET UN BIOTENSIOACTIF DE SELECTION**
[72] FEFER, MICHAEL, CA
[72] LIU, JUN, CA
[72] NG, KENNETH, CA
[72] TERAZONO, YUICHI, CA
[72] CKURSHUMOVA, WENZI, CA
[71] SUNCOR ENERGY INC., CA
[85] 2023-09-19
[86] 2022-03-25 (PCT/CA2022/050446)
[87] (WO2022/198330)
[30] US (63/166,627) 2021-03-26

[21] **3,212,755**
[13] A1
[51] **Int.Cl. A61K 31/198 (2006.01)**
[25] EN
[54] **ENANTIOMER SELECTIVE ACTION ON NEUROTRANSMISSION**
[54] **ACTION SELECTIVE D'UN ENANTIOMERE SUR LA NEUROTRANSMISSION**
[72] MONTINE, THOMAS J., US
[72] WAWRO, ADAM, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2023-09-19
[86] 2022-04-01 (PCT/US2022/023063)
[87] (WO2022/216543)
[30] US (63/170,773) 2021-04-05

[21] **3,212,756**
[13] A1
[25] EN
[54] **BISPECIFIC MOLECULES AND RELATED COMPOSITIONS AND METHODS**
[54] **MOLECULES BISPECIFIQUES ET COMPOSITIONS ET PROCEDES ASSOCIES**
[72] BERTOZZI, CAROLYN R., US
[72] STARK, JESSICA, US
[72] GRAY, MELISSA, US
[72] WISNOVSKY, SIMON, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2023-09-19
[86] 2022-04-01 (PCT/US2022/023166)
[87] (WO2022/212918)
[30] US (63/170,297) 2021-04-02

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[13] A1
[51] **Int.Cl. H01F 27/28 (2006.01)**
[25] EN
[54] **TRANSFORMER**
[54] **TRANSFORMATEUR**
[72] SALIH, MHAMAD, CA
[72] ATTEIA, MAHDI S., CA
[72] CAMILUCCI, DREW A., CA
[71] URURAKI INC., CA
[71] SALIH, MHAMAD, CA
[71] ATTEIA, MAHDI S., CA
[71] CAMILUCCI, DREW A., CA
[85] 2023-09-19
[86] 2022-03-18 (PCT/CA2022/050411)
[87] (WO2022/193026)
[30] US (63/163,604) 2021-03-19

[21] **3,212,758**
[13] A1
[51] **Int.Cl. C12N 11/10 (2006.01) C12P 7/06 (2006.01) C12P 7/10 (2006.01) C12P 7/14 (2006.01)**
[25] EN
[54] **YEAST STRAIN DEVELOPMENT FOR ETHANOL PRODUCTION**
[54] **DEVELOPPEMENT D'UNE SOUCHE DE LEVURE POUR LA PRODUCTION D'ETHANOL**
[72] EVANS IV, JOHN H., US
[72] MCKERRACHER, AARON J., US
[72] STEENSELS, JAN, BE
[72] VERSTREPEN, KEVIN J., BE
[71] AB MAURI, US
[71] VIB VZW, BE
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, K.U. LEUVEN R&D, BE
[85] 2023-09-19
[86] 2022-04-04 (PCT/US2022/023343)
[87] (WO2022/216622)
[30] US (63/170,884) 2021-04-05

[21] **3,212,760**
[13] A1
[51] **Int.Cl. G01N 23/04 (2018.01)**
[25] EN
[54] **SEPARATION COLUMN INSPECTION USING OFF AXIS GAMMA SCANNING**
[54] **INSPECTION DE COLONNE DE SEPARATION PAR BALAYAGE GAMMA HORS AXE**
[72] HANSON, DARYL, US
[72] WINFIELD, CHARLES, US
[71] ECOLAB USA INC., US
[85] 2023-09-19
[86] 2022-03-22 (PCT/US2022/021436)
[87] (WO2022/204214)
[30] US (63/164,034) 2021-03-22
[30] US (63/176,550) 2021-04-19

[21] **3,212,761**
[13] A1
[25] FR
[54] **RUBBER COMPOSITION BASED ON HIGHLY SATURATED ELASTOMER AND BUTADIENE-STYRENE COPOLYMER**
[54] **COMPOSITION DE CAOUTCHOUC A BASE D'ELASTOMERE FORTEMENT SATURE ET DE COMPOLYMERE DE BUTADIENE-STYRENE**
[72] FLEURY, ETIENNE, FR
[72] HIDROT, JEAN-DENIS, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2023-09-19
[86] 2022-05-30 (PCT/FR2022/051013)
[87] (WO2022/258905)
[30] FR (FR2105949) 2021-06-07

[21] **3,212,762**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61P 3/10 (2006.01) C07K 14/74 (2006.01)**
[25] EN
[54] **MHC CLASS II T-CELL MODULATORY POLYPEPTIDES FOR TREATING TYPE 1 DIABETES MELLITUS (T1D) AND METHODS OF USE THEREOF**
[54] **POLYPEPTIDES MODULATEURS DE LYMPHOCYTES T DE CMH DE CLASSE II POUR LE TRAITEMENT DU DIABETE SUCRE DE TYPE 1 (DT1) ET LEURS METHODES D'UTILISATION**
[72] SEIDEL III, RONALD D., US
[72] CHAPARRO, RODOLFO J., US
[72] LOW, CHEE MENG, US
[71] CUE BIOPHARMA, INC., US
[85] 2023-09-19
[86] 2022-04-20 (PCT/US2022/025547)
[87] (WO2022/226069)
[30] US (63/177,641) 2021-04-21

[21] **3,212,763**
[13] A1
[25] EN
[54] **WATER-SOLUBLE TOPICAL OPHTHALMIC PREPARATION CONTAINING LUTEIN AND PRODUCTION METHOD THEREOF**
[54] **PREPARATION OPHTALMIQUE TOPIQUE SOLUBLE DANS L?EAU CONTENANT DE LA LUTEINE ET SON PROCEDE DE PRODUCTION**
[72] VONA, NEVIO, IT
[72] QUATTROCCHI, WALTER, IT
[72] DEL VECCHIO, GIUSEPPE, IT
[71] OMISAN FARMACEUTICI S.R.L., IT
[85] 2023-09-19
[86] 2022-03-22 (PCT/IT2022/050064)
[87] (WO2022/201211)
[30] IT (102021000006839) 2021-03-22

[21] **3,212,765**
[13] A1
[51] **Int.Cl. A61K 47/64 (2017.01) A61K 35/17 (2015.01) C07K 14/495 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **MHC CLASS II T-CELL MODULATORY POLYPEPTIDES AND METHODS OF USE THEREOF**
[54] **POLYPEPTIDES MODULATEURS DE LYMPHOCYTES T DU CMH DE CLASSE II ET LEURS METHODES D'UTILISATION**
[72] SEIDEL III, RONALD D., US
[72] CHAPARRO, RODOLFO J., US
[72] LOW, CHEE MENG, US
[71] CUE BIOPHARMA, INC., US
[85] 2023-09-19
[86] 2022-04-20 (PCT/US2022/025552)
[87] (WO2022/226073)
[30] US (63/177,660) 2021-04-21

[21] **3,212,766**
[13] A1
[51] **Int.Cl. A23J 3/14 (2006.01)**
[25] EN
[54] **TEXTURED PLANT-BASED PROTEIN MATERIAL AND PRODUCTION METHOD FOR SAME**
[54] **MATIERE PROTEIQUE VEGETALE TEXTUREE ET SON PROCEDE DE PRODUCTION**
[72] HASHIMOTO, SHUZO, JP
[72] SHIROTANI, NAOKI, JP
[71] FUJI OIL HOLDINGS INC., JP
[85] 2023-09-19
[86] 2022-03-16 (PCT/JP2022/011893)
[87] (WO2022/209898)
[30] JP (2021-057016) 2021-03-30

[21] **3,212,767**
[13] A1
[51] **Int.Cl. C08K 5/5317 (2006.01) B29D 7/01 (2006.01)**
[25] EN
[54] **POLYETHYLENE POLYMER COMPOSITIONS AND ARTICLES MADE FROM THE SAME**
[54] **COMPOSITIONS POLYMERES DE POLYETHYLENE ET ARTICLES FABRIQUES A PARTIR DE CELLES-CI**
[72] DOTSON, DARIN, US
[72] FORRISTER, WALTER, US
[72] XU, XIAOYOU, US
[72] SUN, HUA, US
[71] MILLIKEN & COMPANY, US
[85] 2023-09-19
[86] 2022-04-21 (PCT/US2022/025850)
[87] (WO2022/226247)
[30] US (63/178,217) 2021-04-22

[21] **3,212,768**
[13] A1
[51] **Int.Cl. C07C 4/06 (2006.01) C10G 11/18 (2006.01)**
[25] EN
[54] **METHODS FOR CONTROLLING CATALYST FLOW IN FLUIDIZED CATALYTIC PROCESSING SYSTEMS**
[54] **PROCEDES DE REGULATION DE L'ECOULEMENT DE CATALYSEUR DANS DES SYSTEMES DE TRAITEMENT CATALYTIQUE EN LIT FLUIDISE**
[72] PRETZ, MATTHEW T., US
[72] MCNEELEY, ADAM M., US
[72] YANG, YANG, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2023-09-19
[86] 2022-03-21 (PCT/US2022/021115)
[87] (WO2022/204009)
[30] US (63/165,254) 2021-03-24

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[13] A1
[51] **Int.Cl. C07D 495/04 (2006.01) A61P 9/10 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **TETRAHYDROTHIENO PYRIDINE DERIVATIVES AS DDRS INHIBITORS**
[54] **DERIVES DE TETRAHYDROTHIENO PYRIDINE UTILISES EN TANT QU'INHIBITEURS DE DDR**
[72] CARZANIGA, LAURA, IT
[72] RANCATI, FABIO, IT
[72] RIZZI, ANDREA, IT
[72] KNIGHT, KEITH CHRISTOPHER, IT
[72] KARAWAJCZYK, ANNA, IT
[72] WOLEK, BARBARA KAROLINA, IT
[72] MULLINS, TOBY MATTHEW GROVER, IT
[72] WHITTAKER, BEN PAUL, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2023-09-19
[86] 2022-03-25 (PCT/EP2022/057940)
[87] (WO2022/200578)
[30] EP (21165284.7) 2021-03-26

[21] **3,212,770**
[13] A1
[25] FR
[54] **METHOD FOR PRODUCING CULTURE CELLS REQUIRING A SUPPLY OF FERRIC IRON**
[54] **PROCEDE DE PRODUCTION DE CELLULES DE CULTURE NECESSITANT UN APPORT DE FER FERRIQUE.**
[72] ROUSSEAU, GUILLAUME, FR
[72] GIARRATANA, MARIE-CATHERINE, FR
[72] MATHIEU, FLORENT, FR
[71] ERYPHARM, FR
[85] 2023-09-19
[86] 2022-03-18 (PCT/EP2022/057221)
[87] (WO2022/195098)
[30] FR (FR2102786) 2021-03-19

[21] **3,212,773**
[13] A1
[25] EN
[54] **A CRUSHER BELT TENSIONING APPARATUS**
[54] **APPAREIL DE MISE SOUS TENSION D'UNE COURROIE DE BROYEUR**
[72] BAXTER, ADAM, GB
[71] SANDVIK LTD, GB
[85] 2023-09-19
[86] 2022-03-31 (PCT/EP2022/058515)
[87] (WO2022/214381)
[30] EP (21167644.0) 2021-04-09

[21] **3,212,775**
[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61P 1/16 (2006.01) A61P 7/04 (2006.01) A61P 9/10 (2006.01) A61P 13/12 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **TETRAHYDROTHIENO PYRIDINE DERIVATIVES AS DDRS INHIBITORS**
[54] **DERIVES DE TETRAHYDROTHIENO PYRIDINE EN TANT QU'INHIBITEURS DE DDR**
[72] CARZANIGA, LAURA, IT
[72] RIZZI, ANDREA, IT
[72] IOTTI, NICOLO, IT
[72] RANCATI, FABIO, IT
[72] KARAWAJCZYK, ANNA, IT
[72] WO?EK, BARBARA KAROLINA, IT
[72] CLARK, DAVID EDWARD, IT
[72] MULLINS, TOBY MATTHEW GROVER, IT
[72] KNIGHT, KEITH CHRISTOPHER, IT
[72] WHITTAKER, BEN PAUL, IT
[72] LEVANTO, STEFANO, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2023-09-19
[86] 2022-03-25 (PCT/EP2022/057942)
[87] (WO2022/200580)
[30] EP (21165288.8) 2021-03-26
[30] EP (21209682.0) 2021-11-22

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[13] A1
[51] **Int.Cl. F15B 21/048 (2019.01) B21J 9/12 (2006.01) B30B 11/30 (2006.01) F15B 1/26 (2006.01) F15B 15/14 (2006.01) F16N 7/34 (2006.01)**
[25] EN
[54] **LUBRICATION ATOMIZATION FOR A GAS CYLINDER ARRANGEMENT**
[54] **ATOMISATION DE LUBRIFICATION POUR UN AGENCEMENT DE BOUTEILLE DE GAZ**
[72] SASAK, RUSSELL D., US
[72] SASAK, RICHARD W., US
[71] BARNES GROUP INC., US
[85] 2023-09-19
[86] 2022-03-18 (PCT/US2022/020968)
[87] (WO2022/198059)
[30] US (63/163,483) 2021-03-19

[21] **3,212,777**
[13] A1
[25] EN
[54] **DEVICE AND METHOD FOR SHIFTING A FLUID WITHIN A FLUID CHANNEL, USE OF THE DEVICE, AND TACTILE DISPLAY**
[54] **DISPOSITIF ET PROCEDE POUR DEPLACER UN FLUIDE A L'INTERIEUR D'UN CANAL DE FLUIDE, UTILISATION DU DISPOSITIF ET DISPOSITIF D'AFFICHAGE TACTILE**
[72] KOTZ-HELMER, FREDERIK, DE
[72] RAPP, BASTIAN, DE
[71] GLASSOMER GMBH, DE
[71] ALBERT-LUDWIGS-UNIVERSITAT FREIBURG, DE
[85] 2023-09-19
[86] 2022-03-25 (PCT/EP2022/057858)
[87] (WO2022/207472)
[30] EP (21166147.5) 2021-03-31

[21] **3,212,778**
[13] A1
[51] **Int.Cl. C07J 71/00 (2006.01) A61P 13/12 (2006.01) A61P 17/00 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **CARBOXY SUBSTITUTED GLUCOCORTICOID RECEPTOR AGONISTS**
[54] **AGONISTES DU RECEPTEUR GLUCOCORTICOIDE A SUBSTITUTION CARBOXY**
[72] STITES, RYAN EDWARD, US
[72] WURST, JACQUELINE MARY, US
[71] ELI LILLY AND COMPANY, US
[85] 2023-09-19
[86] 2022-03-22 (PCT/US2022/021284)
[87] (WO2022/204099)
[30] US (63/164,592) 2021-03-23

[21] **3,212,779**
[13] A1
[51] **Int.Cl. A61P 15/18 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PREVENTING OR DELAYING PUBERTY IN PREPUBESCENT NON-HUMAN ANIMALS AND HUMANS**
[54] **COMPOSITIONS ET METHODES POUR PREVENIR OU RETARDER LA PUBERTE CHEZ DES ANIMAUX NON HUMAINS PREPUBESCENTS ET DES ETRES HUMAINS**
[72] DONAHOE, PATRICIA K., US
[72] PEPIN, DAVID, US
[71] THE GENERAL HOSPITAL CORPOATION, US
[85] 2023-09-19
[86] 2022-03-22 (PCT/US2022/021312)
[87] (WO2022/204119)
[30] US (63/164,254) 2021-03-22
[30] US (63/197,061) 2021-06-04

[21] **3,212,780**
[13] A1
[51] **Int.Cl. C07D 409/10 (2006.01) A61K 31/4178 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **SELECTIVE ANGIOTENSIN II RECEPTOR LIGANDS**
[54] **LIGANDS SELECTIFS DU RECEPTEUR DE L'ANGIOTENSINE II**
[72] FEX, TOMAS, SE
[72] OHLSSON, BENGT, SE
[71] VICORE PHARMA AB, SE
[85] 2023-09-19
[86] 2022-03-23 (PCT/GB2022/050726)
[87] (WO2022/200786)
[30] GB (2104038.1) 2021-03-23

[21] **3,212,781**
[13] A1
[51] **Int.Cl. E01C 19/42 (2006.01)**
[25] EN
[54] **CONCRETE FINISHING MACHINE WITH ADJUSTABLE FLOAT**
[54] **MACHINE DE FINITION DE BETON A FLOTTEUR REGLABLE**
[72] JOHNSON, GRANT A., US
[72] HALONEN, PHILIP D., US
[72] EENIGENBURG, TREVOR, US
[72] PIETILA, MARK A., US
[71] SOMERO ENTERPRISES, INC., US
[85] 2023-09-19
[86] 2022-04-01 (PCT/US2022/071493)
[87] (WO2022/217200)
[30] US (63/200,945) 2021-04-05
[30] US (63/264,254) 2021-11-18

[21] **3,212,782**
[13] A1
[51] **Int.Cl. G21C 3/326 (2006.01) G21C 7/08 (2006.01)**
[25] EN
[54] **REACTOR CORE SYSTEM AND GAS-COOLED MICRO REACTOR**
[54] **SYSTEME DE COEUR DE REACTEUR ET MICRO-REACTEUR A REFROIDISSEMENT PAR GAZ**
[72] ZHANG, CHENGLONG, CN
[72] LIU, GUOMING, CN
[72] YUAN, YUAN, CN
[72] ZHANG, SHUOTING, CN
[72] ZHU, SIYANG, CN
[72] DONG, JIANHUA, CN
[72] HE, KAI, CN
[72] YAO, HONG, CN
[72] XIAO, HUIWEN, CN
[72] LI, YUNLONG, CN
[71] CHINA NUCLEAR POWER ENGINEERING CO., LTD., CN
[85] 2023-09-19
[86] 2021-12-28 (PCT/CN2021/142231)
[87] (WO2022/206064)
[30] CN (202110333122.2) 2021-03-29

[21] **3,212,783**
[13] A1
[51] **Int.Cl. G21C 3/326 (2006.01) G21C 5/02 (2006.01)**
[25] EN
[54] **GAS-COOLED MICRO-REACTOR CORE AND GAS-COOLED MICRO-REACTOR**
[54] **COEUR DE MICRO-REACTEUR REFROIDI PAR GAZ ET MICRO-REACTEUR REFROIDI PAR GAZ**
[72] YUAN, YUAN, CN
[72] LIU, GUOMING, CN
[72] ZHANG, CHENGLONG, CN
[72] WANG, JUN, CN
[71] CHINA NUCLEAR POWER ENGINEERING CO., LTD., CN
[85] 2023-09-19
[86] 2021-12-30 (PCT/CN2021/142915)
[87] (WO2022/206072)
[30] CN (202110332498.1) 2021-03-29

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[13] A1
[51] **Int.Cl. A61P 37/06 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **TOLERANCE-INDUCING CONSTRUCTS AND COMPOSITIONS AND THEIR USE FOR THE TREATMENT OF IMMUNE DISORDERS**
[54] **CONSTRUCTIONS INDUISANT UNE TOLERANCE ET COMPOSITIONS ET LEUR UTILISATION POUR LE TRAITEMENT DE TROUBLES IMMUNITAIRES**
[72] FREDRIKSEN, AGNETE BRUNSVIK, NO
[72] MYRSET, HEIDI, NO
[72] BERSAAS, AUDUN TRYGGE HAUGEN, NO
[72] GRANUM, STINE, NO
[72] DILLARD, PIERRE, NO
[71] NYKODE THERAPEUTICS ASA, NO
[85] 2023-09-19
[86] 2022-05-10 (PCT/EP2022/062629)
[87] (WO2022/238395)
[30] DK (PA 2021 70226) 2021-05-10
[30] DK (PA 2021 70365) 2021-07-08

[21] **3,212,785**
[13] A1
[25] EN
[54] **OCULAR SYSTEM FOR DIAGNOSING AND MONITORING MENTAL HEALTH**
[54] **SYSTEME OCULAIRE POUR DIAGNOSTIQUER ET SURVEILLER LA SANTE MENTALE**
[72] ZAKARIAIE, DAVID BOBBAK, US
[72] LIMONCIELLO, LAUREN CAITLIN, US
[72] CHOI, VERONICA, US
[72] PARVARESH, STEPHEN, US
[71] SENSEYE, INC., US
[85] 2023-09-19
[86] 2022-03-23 (PCT/US2022/071277)
[87] (WO2022/204690)
[30] US (63/200,696) 2021-03-23
[30] US (17/655,977) 2022-03-22

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01) A61P 35/04 (2006.01)**
[25] EN
[54] **METHODS FOR ASSESSING PROLIFERATION AND ANTI-FOLATE THERAPEUTIC RESPONSE**
[54] **METHODES D'EVALUATION DE LA PROLIFERATION ET DE LA REPONSE THERAPEUTIQUE ANTI-FOLATE**
[72] EISNER, JOEL, US
[72] MILBURN, MICHAEL, US
[72] MAYHEW, GREGORY M., US
[72] LAI-GOLDMAN, MYLA, US
[72] SUN, JIANPING, US
[72] PEROU, CHARLES, US
[71] GENECENTRIC THERAPEUTICS, INC., US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2023-09-19
[86] 2022-03-30 (PCT/US2022/022618)
[87] (WO2022/212558)
[30] US (63/167,745) 2021-03-30

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[13] A1
[51] **Int.Cl. G01N 21/31 (2006.01) G01N 21/39 (2006.01) G01N 21/3504 (2014.01)**
[25] EN
[54] **DETERMINING A PROPERTY OF A GAS PLUME PRODUCED BY BURNING HYDROCARBON EFFLUENT**
[54] **DETERMINATION D'UNE PROPRIETE D'UN PANACHE DE GAZ PRODUIT PAR LA COMBUSTION D'UN EFFLUENT D'HYDROCARBURE**
[72] CATHELINE, SEBASTIEN, FR
[72] ALLOUCHE, FRANCIS, FR
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2023-09-05
[86] 2021-05-19 (PCT/US2021/033066)
[87] (WO2022/186844)
[30] US (63/200,427) 2021-03-05

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[13] A1
[51] **Int.Cl. A61K 31/546 (2006.01) A61K 31/431 (2006.01) A61K 31/551 (2006.01) A61K 31/69 (2006.01) A61K 45/06 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **CEFTIBUTEN DOSING REGIMENS**
[54] **SCHEMAS POSOLOGIQUES DE CEFTIBUTENE**
[72] GRIFFITH, DAVID C., US
[72] LOMOVSKAYA, OLGA, US
[72] MORGAN, ELIZABETH E., US
[72] LOUTIT, JEFFERY S., US
[71] QPEX BIOPHARMA, INC., US
[85] 2023-09-06
[86] 2022-03-31 (PCT/US2022/071479)
[87] (WO2022/217199)
[30] US (63/170,936) 2021-04-05

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) A61B 5/055 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ANALYZING BRAIN LESIONS FOR THE DIAGNOSIS OF MULTIPLE SCLEROSIS**
[54] **PROCEDES ET SYSTEMES POUR ANALYSER DES LESIONS CEREBRALES POUR LE DIAGNOSTIC D'UNE SCLEROSE EN PLAQUES**
[72] OKUDA, DARIN T., US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2023-09-06
[86] 2022-03-08 (PCT/US2022/071023)
[87] (WO2022/192867)
[30] US (63/158,142) 2021-03-08

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[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/00 (2016.01) A61B 34/10 (2016.01) A61B 34/20 (2016.01) A61B 90/00 (2016.01)**
[25] FR
[54] **COLLABORATIVE MEDICAL ROBOT FOR SECURE INSTRUMENT GUIDANCE**
[54] **ROBOT MEDICAL COLLABORATIF POUR SECURISER LE GUIDAGE D'INSTRUMENTS**
[72] AOUACHRIA, MOHAMMED FOUED, FR
[72] BLONDEL, LUCIEN, FR
[72] NAHUM, BERTIN, FR
[72] BADANO, FERNAND, FR
[71] QUANTUM SURGICAL, FR
[85] 2023-09-07
[86] 2022-03-14 (PCT/FR2022/050456)
[87] (WO2022/195210)
[30] FR (FR2102647) 2021-03-17

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[13] A1
[51] **Int.Cl. B01F 29/63 (2022.01) B01F 35/45 (2022.01) B01F 35/75 (2022.01)**
[25] EN
[54] **APPARATUS FOR COATING OR MIXING ITEMS WITH CONTROLLED UNLOADING**
[54] **APPAREIL DE REVETEMENT OU DE MELANGE D'ARTICLES AVEC EVACUATION REGULEE**
[72] ROSENTHAL, RONALD, CA
[71] ROYCE METAL PRODUCTS LIMITED, CA
[85] 2023-09-19
[86] 2022-03-23 (PCT/IB2022/052669)
[87] (WO2022/201071)
[30] US (63/165,431) 2021-03-24

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[13] A1
[51] **Int.Cl. A01D 34/64 (2006.01) A01G 23/06 (2006.01) B27L 1/02 (2006.01) B27L 11/02 (2006.01)**
[25] EN
[54] **PLANT MATERIAL PROCESSING**
[54] **TRAITEMENT DE MATIERE VEGETALE**
[72] POWERS, GARY DAVID, CA
[72] GOODWIN, KYLE WARREN, CA
[72] DEVRIES, WENDELL, CA
[72] RUEGEMER, THOMAS, US
[71] PRO MAC MANUFACTURING LTD., CA
[85] 2023-09-19
[86] 2021-03-24 (PCT/US2021/023955)
[87] (WO2022/203671)

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[13] A1
[51] **Int.Cl. C07K 7/08 (2006.01)**
[25] EN
[54] **MULTISOME LIPID VESICLES FOR DELIVERY OF COSMETIC AGENTS**
[54] **VESICULES LIPIDIQUES MULTISOMES POUR L'ADMINISTRATION D'AGENTS COSMETIQUES**
[72] FOLDVARI, MARIANNA, US
[72] LOVE, ROBERT A., US
[71] GLO PHARMA, INC., US
[85] 2023-09-19
[86] 2022-03-23 (PCT/US2022/021585)
[87] (WO2022/204308)
[30] US (63/165,603) 2021-03-24
[30] US (63/271,645) 2021-10-25
[30] US (63/285,860) 2021-12-03

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[13] A1
[51] **Int.Cl. C25C 3/12 (2006.01)**
[25] EN
[54] **PIN ASSEMBLY OF AN ELECTRODE AND METHOD OF MANUFACTURING THE SAME**
[54] **ENSEMBLE BROCHE D'UNE ELECTRODE ET SON PROCEDE DE FABRICATION**
[72] PRINCE, DAVID, US
[72] STEINER, WILLIAM, US
[72] MICKELSON, LARRY, US
[72] YOCKEY, STEVE, US
[71] ELYSIS LIMITED PARTNERSHIP, CA
[85] 2023-09-20
[86] 2022-03-23 (PCT/CA2022/050435)
[87] (WO2022/198321)
[30] US (63/165,406) 2021-03-24

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[13] A1
[51] **Int.Cl. G06T 7/11 (2017.01)**
[25] FR
[54] **METHOD FOR GENERATING RARE MEDICAL IMAGES FOR TRAINING DEEP-LEARNING ALGORITHMS**
[54] **METHODE DE GENERATION D'IMAGES MEDICALES RARES POUR L'ENTRAINEMENT D'ALGORITHMES D'APPRENTISSAGE PROFOND**
[72] GIRARDOT, MICHAEL, FR
[72] BLONDEL, LUCIEN, FR
[72] NAHUM, BERTIN, FR
[72] BADANO, FERNAND, FR
[71] QUANTUM SURGICAL, FR
[85] 2023-09-07
[86] 2022-05-06 (PCT/FR2022/050869)
[87] (WO2022/238640)
[30] FR (FR2104970) 2021-05-11

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[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/10 (2016.01) A61B 34/30 (2016.01) A61B 34/32 (2016.01) A61B 90/00 (2016.01)**
[25] FR
[54] **MEDICAL ROBOT FOR PLACEMENT OF MEDICAL INSTRUMENTS UNDER ULTRASOUND GUIDANCE**
[54] **ROBOT MEDICAL POUR LE PLACEMENT D'INSTRUMENTS MEDICAUX SOUS GUIDAGE ECHOGRAPHIQUE**
[72] SUDRE, MATHIEU, FR
[72] BLONDEL, LUCIEN, FR
[72] NAHUM, BERTIN, FR
[72] BADANO, FERNAND, FR
[71] QUANTUM SURGICAL, FR
[85] 2023-09-07
[86] 2022-06-14 (PCT/FR2022/051136)
[87] (WO2022/263763)
[30] FR (2106350) 2021-06-16

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[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/10 (2016.01) A61B 34/20 (2016.01) A61B 90/00 (2016.01) A61B 90/11 (2016.01)**
[25] FR
[54] **ROBOT EQUIPPED WITH AN ULTRASOUND PROBE FOR TIME-REAL-TIME GUIDANCE IN PERCUTANEOUS INTERVENTIONS**
[54] **ROBOT EQUIPE D'UNE SONDE ECHOGRAPHIQUE POUR LE GUIDAGE TEMPS-REEL D'INTERVENTIONS PERCUTANEES**
[72] SUDRE, MATHIEU, FR
[72] BLONDEL, LUCIEN, FR
[72] NAHUM, BERTIN, FR
[72] BADANO, FERNAND, FR
[71] QUANTUM SURGICAL, FR
[85] 2023-09-07
[86] 2022-06-14 (PCT/FR2022/051137)
[87] (WO2022/263764)
[30] FR (FR2106352) 2021-06-16

[21] **3,212,800**
[13] A1
[51] **Int.Cl. B61H 7/08 (2006.01)**
[25] EN
[54] **MAGNETIC TRACK BRAKE HAVING A HIGH-POSITION DETECTING MEANS INSTALLED IN OR ON THE ACTUATION CYLINDER**
[54] **FREIN ELECTROMAGNETIQUE SUR RAIL COMPRENANT UN MOYEN DE DETECTION DE POSITION HAUTE MONTE DANS OU SUR LE CYLINDRE D'ACTIONNEMENT**
[72] KATZLER, DOMINIK, AT
[72] KASSAN, MICHAEL, AT
[72] TIPPELT, DANIEL, AT
[72] JOERGL, VOLKER, AT
[71] KNORR-BREMSE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, AT
[85] 2023-09-07
[86] 2022-02-21 (PCT/EP2022/054178)
[87] (WO2022/189127)
[30] DE (10 2021 001 273.9) 2021-03-10

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[13] A1
[51] **Int.Cl. F04D 29/22 (2006.01)**
[25] EN
[54] **MANUFACTURE OF AN IMPELLER IN A HYBRID PROCESS**
[54] **FABRICATION D'UNE ROUE A AUBES DANS UN PROCEDE HYBRIDE**
[72] NOBEL, TAMMUZ, DE
[71] KSB SE & CO. KGAA, DE
[85] 2023-09-07
[86] 2022-03-04 (PCT/EP2022/055537)
[87] (WO2022/189286)
[30] DE (10 2021 105 610.1) 2021-03-09

[21] **3,212,802**
[13] A1
[51] **Int.Cl. G01V 3/10 (2006.01) G01N 27/90 (2021.01) G01V 3/38 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A METAL DETECTOR AND METAL DETECTOR**
[54] **PROCEDE DE FONCTIONNEMENT D'UN DETECTEUR DE METAUX ET DETECTEUR DE METAUX**
[72] KTISTIS, CHRISTOS, GB
[72] RIST, IAIN, GB
[71] METTLER-TOLEDO SAFELINE LIMITED, GB
[85] 2023-09-07
[86] 2022-03-09 (PCT/EP2022/056042)
[87] (WO2022/189510)
[30] EP (21161950.7) 2021-03-11

[21] **3,212,803**
[13] A1
[51] **Int.Cl. H01M 50/449 (2021.01) H01G 11/52 (2013.01) H01M 50/414 (2021.01)**
[25] EN
[54] **SEPARATOR FOR ELECTROCHEMICAL DEVICE AND ELECTROCHEMICAL DEVICE INCLUDING THE SAME**
[54] **SEPARATEUR POUR DISPOSITIF ELECTROCHIMIQUE ET DISPOSITIF ELECTROCHIMIQUE LE COMPRENANT**
[72] SUNG, IN-HYOUK, KR
[72] KA, KYUNG-RYUN, KR
[72] LEE, JI-SU, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2023-09-05
[86] 2022-09-27 (PCT/KR2022/014448)
[87] (WO2023/048543)
[30] KR (10-2021-0127572) 2021-09-27

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[13] A1
[51] **Int.Cl. F16C 19/52 (2006.01) F03D 17/00 (2016.01) F03D 80/70 (2016.01)**
[25] EN
[54] **PITCH BEARING CONDITION MONITORING**
[54] **SURVEILLANCE DE L'ETAT D'UNE ARTICULATION DE PAS**
[72] ELLIOT, ROBIN NEIL RONALD, GB
[72] CROWTHER, ASHLEY, GB
[72] SMITH, RICHARD, GB
[72] COULTATE, JOHN KARL, GB
[72] MORRIS, GARETH, GB
[71] INSIGHT ANALYTICS SOLUTIONS HOLDINGS LIMITED, GB
[85] 2023-09-07
[86] 2022-03-10 (PCT/GB2022/050629)
[87] (WO2022/189800)
[30] GB (2103319.6) 2021-03-10

[21] **3,212,806**
[13] A1
[51] **Int.Cl. B61B 11/00 (2006.01)**
[25] EN
[54] **TOW ELEMENT AND METHOD FOR TOWING A BICYCLE WITH A TOW LIFT**
[54] **ELEMENT DE TRACTION ET PROCEDE DE TRACTION D'UNE BICYCLETTE AVEC UN REMONTE-PENTE**
[72] HANL, SIMON, AT
[71] HANL, SIMON, AT
[85] 2023-09-07
[86] 2022-03-22 (PCT/EP2022/057436)
[87] (WO2022/200317)
[30] NO (20210382) 2021-03-24
[30] NO (20211137) 2021-09-22

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[13] A1
[51] **Int.Cl. A01K 61/60 (2017.01) A01K 63/04 (2006.01)**
[25] EN
[54] **FISH FARM WITH A CLOSED SUBMERSIBLE UNIT**
[54] **INSTALLATION PISCICOLE DOTEE D'UNE UNITE SUBMERSIBLE FERMEE**
[72] EIDE, ERLEND, NO
[72] EIDE, SONDRE, NO
[71] WATERMOON AS, NO
[85] 2023-09-07
[86] 2022-03-08 (PCT/NO2022/050063)
[87] (WO2022/191716)
[30] NO (20210295) 2021-03-08

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[13] A1
[51] **Int.Cl. A61L 2/24 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR STERILIZATION**
[54] **PROCEDES ET SYSTEMES DE STERILISATION**
[72] SHODDER, PHILIP, US
[72] BLODGETT, DUSTIN, US
[72] BOLT, DAKOTA, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2023-09-20
[86] 2022-03-30 (PCT/US2022/071436)
[87] (WO2022/217192)
[30] US (63/172,457) 2021-04-08

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[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) A61K 35/761 (2015.01) A61K 48/00 (2006.01) C07K 14/075 (2006.01) C12N 7/00 (2006.01) C12N 15/67 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **CODON-OPTIMIZED NUCLEIC ACID ENCODING THE FIX PROTEIN**
[54] **ACIDE NUCLEIQUE A CODONS OPTIMISES CODANT POUR LA PROTEINE DU FACTEUR FIX**
[72] PROKOFYEV, ALEXANDER VLADIMIROVICH, RU
[72] GERSHOVICH, PAVEL MIKHAILOVICH, RU
[72] STRELKOVA, ANNA NIKOLAEVNA, RU
[72] SPIRINA, NATALIA ALEKSANDROVNA, RU
[72] SHUGAEVA, TATIANA EVGENIEVNA, RU
[72] MOROZOV, DMITRY VALENTINOVICH, RU
[71] JOINT STOCK COMPANY <<BIOCAD>>, RU
[85] 2023-09-05
[86] 2022-03-05 (PCT/RU2022/050073)
[87] (WO2022/186734)
[30] RU (2021105703) 2021-03-05

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **A SEALING AND ANCHORING MECHANISM FOR IRREGULAR TISSUES IN A BODY AND A METHOD OF SEALING AND ANCHORING THEREOF**
[54] **MECANISME DE SCELLEMENT ET D'ANCRAGE POUR DES TISSUS IRREGULIERS DANS UN CORPS ET SON PROCEDE DE SCELLEMENT ET D'ANCRAGE**
[72] BURG, SHIRA, IL
[72] SHAFRIR, ROEY, IL
[72] BEN YOSEF, ERAN, IL
[72] ELISHA, ELAD, IL
[71] SYMBIOSIS C.M. LTD, IL
[85] 2023-09-07
[86] 2022-03-24 (PCT/IL2022/050324)
[87] (WO2022/201158)
[30] US (63/165,175) 2021-03-24

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[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01) C07K 14/005 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PRODUCING AND CHARACTERIZING VIRAL VECTOR PRODUCER CELLS FOR CELL AND GENE THERAPY**
[54] **COMPOSITIONS ET PROCEDES DE PRODUCTION ET DE CARACTERISATION DE CELLULES PRODUCTRICES DE VECTEURS VIRAUX STABLES POUR THERAPIE CELLULAIRE ET GENIQUE**
[72] GREENE, MICHAEL, US
[71] IVEXSOL, INC., US
[85] 2023-09-07
[86] 2022-03-08 (PCT/US2022/019346)
[87] (WO2022/192261)
[30] US (63/158,841) 2021-03-09

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[13] A1
[51] **Int.Cl. C12P 21/02 (2006.01) C07K 1/16 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 9/24 (2006.01) C12N 15/13 (2006.01) C12N 15/56 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING ANTIBODY-LYSOSOMAL ENZYME FUSION PROTEIN**
[54] **PROCEDE DE PRODUCTION D'UNE PROTEINE DE FUSION ANTICORPS/ENZYME LYSOSOMALE**
[72] KAKIMOTO, SHINJI, JP
[72] FUKUI, TSUYOSHI, JP
[72] HATANO, YUKICHI, JP
[72] KOTANI, AYAKA, JP
[72] MIURA, TAKUYA, JP
[72] ISHIGURO, TOSHIFUMI, JP
[71] JCR PHARMACEUTICALS CO., LTD., JP
[85] 2023-09-07
[86] 2022-03-08 (PCT/JP2022/009851)
[87] (WO2022/191158)
[30] JP (2021-037528) 2021-03-09

[21] **3,212,814**
[13] A1
[51] **Int.Cl. C11D 1/30 (2006.01) C11D 3/00 (2006.01)**
[25] EN
[54] **BIOBASED DISPERSANTS FOR LAUNDRY CLEANING APPLICATIONS**
[54] **DISPERSANTS D'ORIGINE BIOLOGIQUE POUR DES APPLICATIONS DE NETTOYAGE DU LINGE**
[72] ELLIS, ROSS JOHANNES, NO
[71] BORREGAARD AS, NO
[85] 2023-09-07
[86] 2022-03-14 (PCT/EP2022/056532)
[87] (WO2022/194774)
[30] EP (21162927.4) 2021-03-16

[21] **3,212,816**
[13] A1
[51] **Int.Cl. A61K 31/405 (2006.01) A61K 31/00 (2006.01) A61K 31/451 (2006.01) A61P 37/08 (2006.01) C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **C5AR1 INHIBITORS FOR TREATING HYPERSENSITIVITY REACTIONS TO TAXANES**
[54] **INHIBITEURS DE C5AR1 POUR LE TRAITEMENT DE REACTIONS D'HYPERSENSIBILITE A DES TAXANES**
[72] ALLEGRETTI, MARCELLO, IT
[72] ARAMINI, ANDREA, IT
[72] AMENDOLA, PIERGIORGIO, IT
[72] BRANDOLINI, LAURA, IT
[72] CESTA, MARIA CANDIDA, IT
[72] SIRICO, ANNA, IT
[71] DOMPE' FARMACEUTICI SPA, IT
[85] 2023-09-07
[86] 2022-03-17 (PCT/EP2022/057007)
[87] (WO2022/195017)
[30] EP (21163292.2) 2021-03-17
[30] EP (21217382.7) 2021-12-23

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[13] A1
[51] **Int.Cl. A61L 15/46 (2006.01)**
[25] EN
[54] **ABSORBENT ANTIMICROBIAL WOUND DRESSINGS WITH IMPROVED PROPERTIES AND REDUCED DISCOLORATION**
[54] **PANSEMENTS ABSORBANTS ANTIMICROBIENS PRESENTANT DES PROPRIETES AMELIOREES ET UNE DECOLORATION REDUITE**
[72] CARLSSON, ERIK, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2023-09-07
[86] 2022-03-22 (PCT/EP2022/057495)
[87] (WO2022/200349)
[30] EP (21164631.0) 2021-03-24

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[13] A1
[51] **Int.Cl. B01J 8/00 (2006.01) B01J 8/06 (2006.01) G01F 23/00 (2022.01) G05D 9/12 (2006.01)**
[25] EN
[54] **PLUG SUITABLE TO BE INSERTED INTO A REFILL-OPENING ON A TUBE AND HYDROCARBON PROCESSING PLANT**
[54] **BOUCHON APPROPRIE POUR ETRE INSERE DANS UN ORIFICE DE REMPLISSAGE SUR UN TUBE ET INSTALLATION DE TRAITEMENT D'HYDROCARBURES**
[72] MUTILVA, IOSU, ES
[72] IMIZCOZ, PEDRO, ES
[71] SCHMIDT + CLEMENS GMBH + CO. KG, DE
[85] 2023-09-07
[86] 2022-03-17 (PCT/EP2022/057055)
[87] (WO2022/195040)
[30] EP (21382223.2) 2021-03-18

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[13] A1
[51] **Int.Cl. G01S 17/00 (2020.01) B25J 19/00 (2006.01) G01S 7/481 (2006.01) G01S 7/497 (2006.01) H05K 5/02 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **SAFETY LASER, PROTECTION METHOD AND MOBILE AUTONOMOUS ROBO**
[54] **LASER DE SECURITE, PROCEDE DE PROTECTION ET ROBOT AUTONOME MOBILE**
[72] MENIGOZ, NICOLAS, FR
[72] JACQUEMART, VINCENT, FR
[71] IFOLLOW, FR
[85] 2023-09-07
[86] 2022-03-18 (PCT/EP2022/057186)
[87] (WO2022/195088)
[30] FR (FR2102734) 2021-03-18

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[25] EN
[54] **COMPOUND OR SALT THEREOF, AND ANTIBODY OBTAINED BY USING THE SAME**
[54] **COMPOSE OU SON SEL, ET ANTICORPS AINSI OBTENU**
[72] FUJII, TOMOHIRO, JP
[72] YAMADA, KEI, JP
[72] MATSUDA, YUTAKA, JP
[72] HIRAMA, RYUSUKE, JP
[72] HATADA, NORIKO, JP
[72] ARASHIDA, NAOKO, JP
[71] AJINOMOTO CO., INC., JP
[85] 2023-09-07
[86] 2022-03-10 (PCT/JP2022/010574)
[87] (WO2022/191283)
[30] JP (2021-039706) 2021-03-11

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[13] A1
[51] **Int.Cl. G06Q 50/10 (2012.01) F16K 37/00 (2006.01) H04L 12/66 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS PROVIDING OPERATIONAL SURVEILLANCE OF VALVES USED IN INDUSTRIAL APPLICATIONS**
[54] **PROCEDES ET SYSTEMES ASSURANT UNE SURVEILLANCE OPERATIONNELLE DE SOUPAPES UTILISEES DANS DES APPLICATIONS INDUSTRIELLES**
[72] PROST, JEROME, FR
[72] GADOT, RAPHAEL, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2023-09-07
[86] 2022-03-04 (PCT/US2022/018950)
[87] (WO2022/192085)
[30] US (63/158,960) 2021-03-10

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[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **REFLECTION DATABASE ARCHITECTURE WITH STATE DRIVEN SYNCHRONIZATION**
[54] **ARCHITECTURE DE BASE DE DONNEES DE REFLEXION A SYNCHRONISATION COMMANDEE PAR ETAT**
[72] CELLI, MICHELANGELO CHERUBINI, US
[72] HINDMAN, DAVID THOMAS, US
[71] SMART SYSTEMS TECHNOLOGY, INC., US
[85] 2023-09-07
[86] 2022-03-07 (PCT/US2022/019095)
[87] (WO2022/192114)
[30] US (17/194,654) 2021-03-08

[21] **3,212,825**
[13] A1
[51] **Int.Cl. C07D 231/12 (2006.01) A61P 1/16 (2006.01) A61P 13/12 (2006.01) C07D 233/64 (2006.01) C07D 249/06 (2006.01) C07D 263/32 (2006.01) C07D 277/22 (2006.01) C07D 333/10 (2006.01) C07D 333/52 (2006.01) C07D 413/06 (2006.01) C07D 413/12 (2006.01) C07D 417/06 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **COMPOUNDS USEFUL FOR TREATING LIVER DISEASES**
[54] **COMPOSES UTILES POUR LE TRAITEMENT DES MALADIES DU FOIE**
[72] DASSEUX, JEAN-LOUIS HENRI, FR
[71] ABIONYX PHARMA SA, FR
[85] 2023-09-07
[86] 2022-03-08 (PCT/IB2022/000106)
[87] (WO2022/189856)
[30] US (17/195,334) 2021-03-08
[30] US (17/219,058) 2021-03-31

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[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01) A61K 35/51 (2015.01) A61K 35/28 (2015.01) A61M 1/02 (2006.01)**
[25] EN
[54] **METHODS FOR STORING HEMATOPOIETIC STEM CELLS**
[54] **PROCEDES DE STOCKAGE DE CELLULES SOUCHES HEMATOPOIETIQUES**
[72] SOWEMIMO-COKER, SAMUEL O., US
[71] HEMANEXT INC., US
[85] 2023-09-07
[86] 2022-03-07 (PCT/US2022/019140)
[87] (WO2022/192136)
[30] US (63/158,267) 2021-03-08

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[51] **Int.Cl. A23L 5/00 (2016.01) A23L 7/122 (2016.01) A23L 7/126 (2016.01) A23P 20/10 (2016.01) A23C 9/00 (2006.01)**
[25] EN
[54] **SHELF STABLE AGGREGATE FOOD AND METHODS**
[54] **ALIMENTS AGREGES A LONGUE CONSERVATION ET PROCEDES ASSOCIES**
[72] HAN, LINGHUA, US
[72] IGO, ELIZABETH LOMAURO, US
[72] MARTINEZ-ROPES, ALEXANDRA, US
[72] MURCH, OLIVIA, US
[72] RYKS, EMILY, US
[71] GENERAL MILLS, INC., US
[85] 2023-09-07
[86] 2022-03-08 (PCT/US2022/019342)
[87] (WO2022/192257)
[30] US (63/158,577) 2021-03-09

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[13] A1
[51] **Int.Cl. C12N 15/67 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PRODUCING AND OPTIMIZING VIRAL VECTOR PRODUCER CELLS FOR CELL AND GENE THERAPY**
[54] **COMPOSITIONS ET PROCEDES DE PRODUCTION ET D'OPTIMISATION DE CELLULES PRODUCTRICES DE VECTEURS VIRAUX POUR THERAPIE CELLULAIRE ET GENIQUE**
[72] GREENE, MICHAEL, US
[71] IVEXSOL, INC., US
[85] 2023-09-07
[86] 2022-03-08 (PCT/US2022/019351)
[87] (WO2022/192265)
[30] US (63/158,844) 2021-03-09

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **MOLECULES THAT BIND TO CD66E POLYPEPTIDES**
[54] **MOLECULES SE LIANT A DES POLYPEPTIDES CD66E**
[72] DIMITROV, DIMITER STANCHEV, US
[72] MELLORS, JOHN W., US
[72] BAEK, DUSAN, US
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[85] 2023-09-07
[86] 2022-03-08 (PCT/US2022/019375)
[87] (WO2022/192281)
[30] US (63/158,205) 2021-03-08

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[13] A1
[51] **Int.Cl. H02J 3/14 (2006.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **ELECTRIC UTILITY LOAD DISTRIBUTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE CHARGE ELECTRIQUE PUBLIQUE**
[72] SUN, THOMAS SHAOFENG, US
[71] NAD GRID CORP., US
[85] 2023-09-20
[86] 2022-03-18 (PCT/US2022/020922)
[87] (WO2022/203954)
[30] US (63/164,043) 2021-03-22
[30] US (63/223,308) 2021-07-19

[21] **3,212,833**
[13] A1
[51] **Int.Cl. H01L 21/677 (2006.01) B65G 49/04 (2006.01)**
[25] EN
[54] **ROBOT FOR HANDLING FLAT SUBSTRATES AS WELL AS ALIGNMENT FACILITY**
[54] **ROBOT DE MANIPULATION DE SUBSTRATS PLATS ET DISPOSITIF D'ALIGNEMENT**
[72] BEIER, UWE, DE
[71] BEIER, UWE, DE
[85] 2023-09-20
[86] 2022-06-15 (PCT/DE2022/100447)
[87] (WO2022/262907)
[30] DE (10 2021 115 853.2) 2021-06-18

[21] **3,212,837**
[13] A1
[51] **Int.Cl. C10L 1/222 (2006.01) C10M 133/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR MITIGATING LOW SPEED PRE-IGNITION EVENTS**
[54] **COMPOSITIONS POUR ATTENUER DES EVENEMENTS DE PRE-ALLUMAGE A FAIBLE VITESSE**
[72] SHIH, JIUN-LE, US
[72] KUO, CHUNG-HAO, US
[72] LOEPER, CHARLES PAUL, US
[71] CHEVRON ORONITE COMPANY LLC, US
[71] CHEVRON U.S.A. INC., US
[85] 2023-09-07
[86] 2022-03-24 (PCT/IB2022/052715)
[87] (WO2022/208250)
[30] US (63/168,447) 2021-03-31

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[13] A1
[51] **Int.Cl. G02F 1/1333 (2006.01) G02F 1/1343 (2006.01) H01L 23/50 (2006.01) H01L 23/52 (2006.01) H01L 23/528 (2006.01)**
[25] EN
[54] **BUSBAR ANCHORING SYSTEM AND METHOD FOR PDLC FILMS**
[54] **SYSTEME ET PROCEDE D'ANCRAGE DE BARRE OMNIBUS POUR FILMS PDLC**
[72] YERKEYEV, ANTON, US
[71] SWITCHBLE LLC, US
[85] 2023-09-20
[86] 2021-08-30 (PCT/US2021/048260)
[87] (WO2023/033787)

[21] **3,212,839**
[13] A1
[51] **Int.Cl. G06T 7/564 (2017.01) G01B 11/24 (2006.01)**
[25] EN
[54] **INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND A NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM**
[54] **DISPOSITIF, PROCEDE ET PROGRAMME DE TRAITEMENT D'INFORMATIONS**
[72] ITO, MASAHIRO, JP
[72] FRANCOIS, GOFFINET, NZ
[72] JAMIE, HEATHER, NZ
[72] BO, LI, NZ
[72] JIM, GARDNER, NZ
[72] RIGO, VILLAMARIN, JP
[71] ZOZO, INC., JP
[85] 2023-09-07
[86] 2021-03-09 (PCT/JP2021/009350)
[87] (WO2022/190217)

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[13] A1
[51] **Int.Cl. C01B 21/14 (2006.01)**
[25] EN
[54] **BIOORTHOGONAL REACTION SUITABLE FOR CLICK/UNCLICK APPLICATIONS**
[54] **REACTION BIO-ORTHOGONALE APPROPRIEE POUR DES APPLICATIONS DE CLICK/NON CLICK**
[72] KIM, JUSTIN, US
[72] KANG, DAHYE, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2023-09-20
[86] 2022-04-04 (PCT/US2022/023325)
[87] (WO2022/216616)
[30] US (63/170,705) 2021-04-05
[30] US (63/315,328) 2022-03-01

[21] **3,212,843**
[13] A1
[51] **Int.Cl. E04C 5/16 (2006.01) E04C 5/01 (2006.01) F16B 7/18 (2006.01)**
[25] EN
[54] **LENGTH-DETERMINED STANDARDIZED REINFORCING BAR INTEGRATED WITH BUTT JOINT_DEVICE, AND METHOD FOR CONSTRUCTING REINFORCING BAR STRUCTURE BY USING SAME**
[54] **BARRE DE RENFORT DE TAILLE STANDARD INTEGREE A UN DISPOSITIF D'ASSEMBLAGE BOUT A BOUT, ET PROCEDE DE CONSTRUCTION DE STRUCTURE DE BARRE DE RENFORT A L'AIDE DE CELLE-CI**
[72] KIM, YONG KEUN, KR
[72] KIM, TAE KYUNG, KR
[71] KIM, YONG KEUN, KR
[85] 2023-09-07
[86] 2022-02-07 (PCT/KR2022/001843)
[87] (WO2022/191442)
[30] KR (10-2021-0032135) 2021-03-11

[21] **3,212,845**
[13] A1
[51] **Int.Cl. H01Q 1/12 (2006.01) H01Q 1/18 (2006.01) H01Q 1/34 (2006.01) H01Q 3/08 (2006.01) H01Q 19/17 (2006.01)**
[25] EN
[54] **A HYBRID SCANNING ANTENNA**
[54] **ANTENNE A BALAYAGE HYBRIDE**
[72] LEE, LIN-NAN, US
[72] HOU, PETER, US
[72] LIAU, VICTOR, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2023-09-20
[86] 2022-03-31 (PCT/US2022/071473)
[87] (WO2022/217198)
[30] US (63/171,940) 2021-04-07
[30] US (17/457,522) 2021-12-03

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[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 21/08 (2006.01) E21B 34/08 (2006.01)**
[25] EN
[54] **FLUID FLOW CONTROL SYSTEM EMPLOYING GRAVITY DRIVEN FLOATS AND A VALVE**
[54] **SYSTEME DE REGULATION DE DEBIT DE FLUIDE UTILISANT DES FLOTTEURS ENTRAINES PAR GRAVITE ET UNE SOUPAPE**
[72] FRIPP, MICHAEL LINLEY, US
[72] GRECI, STEPHEN MICHAEL, US
[72] EL MALLAWANY, IBRAHIM, SA
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2023-09-07
[86] 2021-04-22 (PCT/US2021/028582)
[87] (WO2022/225522)
[30] US (17/237,257) 2021-04-22

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[13] A1
[51] **Int.Cl. G01T 1/20 (2006.01) G01T 1/24 (2006.01) G01T 3/06 (2006.01) G01T 3/08 (2006.01) G01V 5/04 (2006.01)**
[25] EN
[54] **MUON TELESCOPE AND NEUTRON DETECTOR, SYSTEM FOR MEASURING AND CHARACTERIZING LARGE VOLUMES AND METHODS**
[54] **TELESCOPE A MUONS ET DETECTEUR DE NEUTRONS, SYSTEME POUR MESURE ET CARACTERISATION DE VOLUMES DE GRANDES DIMENSIONS ET PROCEDES**
[72] GOMEZ GONZALEZ, LUIS FERNANDO, BR
[72] MASCAGNI FERDINANDO, ERICK, BR
[72] JUNQUEIRA MARTINS, ALEXANDRE LUIZ, BR
[71] KONKER INNOVATION LTDA., BR
[85] 2023-09-20
[86] 2022-05-31 (PCT/BR2022/050185)
[87] (WO2022/251934)
[30] BR (1020210106204) 2021-05-31
[30] BR (1020220105731) 2022-05-30

[21] **3,212,858**
[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) H04L 47/2441 (2022.01)**
[25] EN
[54] **INCREASED COVERAGE OF APPLICATION-BASED TRAFFIC CLASSIFICATION WITH LOCAL AND CLOUD CLASSIFICATION SERVICES**
[54] **COUVERTURE ACCRUE D'UNE CLASSIFICATION DE TRAFIC BASEE SUR L'APPLICATION AVEC DES SERVICES DE CLASSIFICATION LOCAUX ET EN NUAGE**
[72] JIANG, MENGYING, US
[72] XU, SHENGMING, US
[72] FANG, MENGLAN, US
[72] LAM, HO YU, US
[71] PALO ALTO NETWORKS, INC., US
[85] 2023-09-20
[86] 2022-04-05 (PCT/US2022/071543)
[87] (WO2022/217218)
[30] US (63/173,251) 2021-04-09
[30] US (17/445,987) 2021-08-26

[21] **3,212,860**
[13] A1
[51] **Int.Cl. F16L 25/00 (2006.01) F16L 57/06 (2006.01)**
[25] EN
[54] **WEAR RING**
[54] **BAGUE D'USURE**
[72] JOESTEN, BERND, DE
[72] MARKOVIC, SLAVKO, CH
[71] ABB SCHWEIZ AG, CH
[71] BIZLINK INDUSTRY GERMANY GMBH, DE
[85] 2023-09-20
[86] 2022-03-25 (PCT/EP2022/057972)
[87] (WO2022/200597)
[30] EP (21165226.8) 2021-03-26

[21] **3,212,863**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) C07D 403/06 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **INDOLINE DERIVATIVES AS DDR1 AND DDR2 INHIBITORS**
[54] **DERIVES D'INDOLINE UTILISES EN TANT QU'INHIBITEURS DE DDR1 ET DDR2**
[72] CARZANIGA, LAURA, IT
[72] RANCATI, FABIO, IT
[72] RIZZI, ANDREA, IT
[72] KARAWAJCZYK, ANNA, IT
[72] WO?EK, BARBARA KAROLINA, IT
[72] MULLINS, TOBY MATTEW GROVER, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2023-09-20
[86] 2022-03-25 (PCT/EP2022/057938)
[87] (WO2022/200576)
[30] EP (21165265.6) 2021-03-26

[21] **3,212,865**
[13] A1
[51] **Int.Cl. G06V 20/40 (2022.01) G06N 20/00 (2019.01) G06V 10/764 (2022.01)**
[25] EN
[54] **WEAKLY SUPERVISED ACTION SELECTION LEARNING IN VIDEO**
[54] **APPRENTISSAGE PAR SELECTION D'ACTION FAIBLEMENT SUPERVISE DANS UNE VIDEO**
[72] MA, JUNWEI, CA
[72] GORTI, SATYA KRISHNA, CA
[72] VOLKOVS, MAKSIMS, CA
[72] YU, GUANGWEI, CA
[71] TD BANK GROUP, INTELLECTUAL PROPERTY OFFICE, CA
[85] 2023-09-20
[86] 2022-04-14 (PCT/CA2022/050578)
[87] (WO2022/221937)
[30] US (63/176,858) 2021-04-19
[30] US (17/716,996) 2022-04-08

[21] **3,212,866**
[13] A1
[51] **Int.Cl. C04B 14/42 (2006.01) C04B 14/46 (2006.01) C04B 18/24 (2006.01) C04B 28/02 (2006.01) C04B 28/04 (2006.01) C04B 28/06 (2006.01) C04B 28/08 (2006.01) C04B 28/10 (2006.01) C04B 28/14 (2006.01)**
[25] FR
[54] **COMPOSITION FOR AN INSULATING COATING**
[54] **COMPOSITION POUR REVETEMENT ISOLANT**
[72] GODEFROID, JULIE, FR
[72] BECQUET, JEREMY, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2023-09-20
[86] 2022-04-11 (PCT/FR2022/050677)
[87] (WO2022/219275)
[30] FR (FR2103863) 2021-04-14

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[13] A1
[51] **Int.Cl. G06F 3/0484 (2022.01) G06F 3/0488 (2022.01) G06F 3/041 (2006.01)**
[25] EN
[54] **INFINITE DRAG AND SWIPE FOR VIRTUAL CONTROLLER**
[54] **GLISSEMENT ET BALAYAGE INFINI POUR DISPOSITIF DE COMMANDE VIRTUEL**
[72] TIMMINS, LUKE, US
[72] PENG, GREGORY, US
[72] CHUNG, ELIZABETH M.E., US
[72] LEVASSEUR, JAMES, US
[71] BUNGIE, INC., US
[85] 2023-09-07
[86] 2022-03-10 (PCT/US2022/019681)
[87] (WO2022/192492)
[30] US (63/158,947) 2021-03-10

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[13] A1
[51] **Int.Cl. B01J 35/10 (2006.01) B01J 21/12 (2006.01) B01J 23/40 (2006.01) B01J 23/42 (2006.01) B01J 23/44 (2006.01) B01J 23/74 (2006.01) B01J 37/00 (2006.01) C10G 45/48 (2006.01) C10G 45/52 (2006.01) C10G 65/08 (2006.01)**
[25] EN
[54] **HIGH NANOPORE VOLUME HYDROTREATING CATALYST AND PROCESS**
[54] **CATALYSEUR ET PROCESSUS D'HYDROTRAITEMENT A HAUT VOLUME DE NANOPORE**
[72] ZHANG, YIHUA, US
[72] LEI, GUAN-DAO, US
[71] CHEVRON U.S.A. INC., US
[85] 2023-09-07
[86] 2022-03-10 (PCT/US2022/019707)
[87] (WO2022/192513)
[30] US (17/199,262) 2021-03-11

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[13] A1
[51] **Int.Cl. C07D 403/06 (2006.01) C07D 403/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **INDOLINE DERIVATIVES AS DDRS INHIBITORS**
[54] **DERIVES D'INDOLINE UTILISES EN TANT QU'INHIBITEURS DE DDR**
[72] CARZANIGA, LAURA, IT
[72] RANCATI, FABIO, IT
[72] RIZZI, ANDREA, IT
[72] IOTTI, NICOLO, IT
[72] KNIGHT, KEITH CHRISTOPHER, IT
[72] MULLINS, TOBY MATTHEW GROVER, IT
[72] KARAWAJCZYK, ANNA, IT
[72] WHITTAKER, BEN PAUL, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2023-09-20
[86] 2022-03-25 (PCT/EP2022/057939)
[87] (WO2022/200577)
[30] EP (21165281.3) 2021-03-26

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[13] A1
[51] **Int.Cl. C12N 5/0797 (2010.01) C12N 5/0735 (2010.01) A61K 35/30 (2015.01) C12N 5/02 (2006.01)**
[25] EN
[54] **METHODS OF GENERATING OLIGODENDROCYTE PROGENITOR CELLS AND USE THEREOF**
[54] **PROCEDES DE GENERATION DE CELLULES PROGENITRICES D'OLIGODENDROCYTES ET LEUR UTILISATION**
[72] BINETTE, FRANCOIS, US
[72] HAYOUN NEEMAN, DANA, US
[72] BAHAT, ASSAF, US
[72] SKALITER, RAMI, US
[72] WISER, OFER, US
[71] LINEAGE CELL THERAPEUTICS, INC., US
[85] 2023-09-07
[86] 2022-03-10 (PCT/US2022/019847)
[87] (WO2022/192605)
[30] US (63/159,350) 2021-03-10

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[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01) C12N 9/02 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **GENE THERAPIES FOR 21-HYDROXYLASE DEFICIENCY**
[54] **THERAPIES GENIQUES CONTRE UN DEFICIT EN 21-HYDROXYLASE**
[72] BEARD, CLAYTON, US
[72] BHARUCHA, KAMAL, US
[72] BOUGNERES, PIERRE, US
[72] DAVID, ERIC, US
[72] ECLOV, RACHEL, US
[72] ESCANDON, RAFAEL, US
[72] LAFORET, GENEVIEVE, US
[72] SHAYWITZ, ADAM, US
[71] ADRENAS THERAPEUTICS, INC., US
[85] 2023-09-07
[86] 2022-03-18 (PCT/US2022/020933)
[87] (WO2022/198038)
[30] US (63/163,634) 2021-03-19

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C07K 14/47 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **METHODS AND COMPOUNDS FOR NEOANTIGEN VACCINES**
[54] **METHODES ET COMPOSES POUR DES VACCINS REPOSANT SUR UN NEO-ANTIGENE**
[72] SHARMA, SUNIL, US
[72] SOLDI, RAFFAELLA, US
[72] ALTIN, JOHN, US
[72] TRENT, JEFFREY, US
[71] THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE, US
[85] 2023-09-20
[86] 2022-03-26 (PCT/US2022/022074)
[87] (WO2022/204583)
[30] US (63/166,697) 2021-03-26

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[13] A1
[51] **Int.Cl. A61B 17/11 (2006.01) A61B 17/03 (2006.01) A61B 17/04 (2006.01) A61B 17/08 (2006.01) A61B 17/115 (2006.01)**
[25] EN
[54] **LAPAROSCOPIC ANASTOMOSIS DEVICES AND METHODS OF USE THEREOF**
[54] **DISPOSITIFS D'ANASTOMOSE LAPAROSCOPIQUE ET LEURS PROCEDES D'UTILISATION**
[72] SHARMA, TUSHAR, US
[72] GARBIN, NICOLO, US
[72] PARDO, JUAN, US
[71] VIVIFI MEDICAL, INC., US
[85] 2023-09-07
[86] 2022-03-22 (PCT/US2022/021363)
[87] (WO2022/204160)
[30] US (63/164,493) 2021-03-22

[21] **3,212,887**
[13] A1
[51] **Int.Cl. H01R 4/36 (2006.01) F21S 4/24 (2016.01) F21V 23/06 (2006.01)**
[25] EN
[54] **SOLDERLESS LED STRIP CONNECTOR**
[54] **CONNECTEUR DE REGLETTE A DEL SANS SOUDURE**
[72] ONG, ANDREW, US
[71] AHO HOLDINGS LLC, US
[85] 2023-09-20
[86] 2022-03-22 (PCT/US2022/071258)
[87] (WO2022/204678)
[30] US (63/164,149) 2021-03-22

[21] **3,212,894**
[13] A1
[51] **Int.Cl. C08L 23/08 (2006.01) C08L 23/16 (2006.01)**
[25] FR
[54] **CONVEYOR BELT COMPRISING A COMPOSITION BASED ON HIGHLY SATURATED ELASTOMER**
[54] **BANDE TRANSPORTEUSE COMPRENANT UNE COMPOSITION A BASE D'ELASTOMERE FORTEMENT SATURE**
[72] FLEURY, ETIENNE, FR
[72] HIDROT, JEAN-DENIS, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2023-09-20
[86] 2022-05-30 (PCT/FR2022/051011)
[87] (WO2022/258904)
[30] FR (FR2105946) 2021-06-07

[21] **3,212,925**
[13] A1
[51] **Int.Cl. F17C 9/02 (2006.01) F17C 13/02 (2006.01)**
[25] EN
[54] **IMPROVED LIQUID GAS SAMPLE VAPORIZER CONDITIONING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE AMELIORES DE CONDITIONNEMENT DE VAPORISATEUR D'ECHANTILLON DE GAZ LIQUIDE**
[72] THOMPSON, KENNETH O., US
[72] WARNER, KEVIN, US
[72] PALUCH, WILLIAM C., US
[72] HARTSON, WILLIAM, US
[72] QUERREY, TIMOTHY L., US
[71] MUSTANG SAMPLING, LLC, US
[85] 2023-09-20
[86] 2022-11-18 (PCT/US2022/050431)
[87] (WO2023/172306)
[30] US (17/687,949) 2022-03-07

[21] **3,212,926**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01)**
[25] EN
[54] **2-AMINO-4-CARBOXAMIDE-BENZAZEPINE IMMUNOCONJUGATES, AND USES THEREOF**
[54] **IMMUNOCONJUGUES DE 2-AMINO-4-CARBOXAMIDE-BENZAZEPINE ET LEURS UTILISATIONS**
[72] BRANDT, GARY, US
[72] KUDIRKA, ROMAS, US
[72] SAFINA, BRIAN, US
[71] BOLT BIOTHERAPEUTICS, INC., US
[85] 2023-09-20
[86] 2022-03-25 (PCT/US2022/021985)
[87] (WO2022/204536)
[30] US (63/166,710) 2021-03-26

[21] **3,212,927**
[13] A1
[51] **Int.Cl. B22F 1/065 (2022.01) B22F 9/04 (2006.01)**
[25] EN
[54] **MICROWAVE PLASMA PROCESSING OF SPHEROIDIZED COPPER OR OTHER METALLIC POWDERS**
[54] **TRAITEMENT PAR PLASMA MICRO-ONDE DE POUDRES SPHEROIDES DE CUIVRE OU D'AUTRES METAUX**
[72] BADWE, SUNIL BHALCHANDRA, US
[71] 6K INC., US
[85] 2023-09-20
[86] 2022-03-25 (PCT/US2022/021910)
[87] (WO2022/212192)
[30] US (63/200,848) 2021-03-31

[21] **3,212,935**
[13] A1
[51] **Int.Cl. H04W 72/12 (2023.01) H04W 92/18 (2009.01) H04W 4/40 (2018.01)**
[25] EN
[54] **COMMUNICATION DEVICE AND COMMUNICATION METHOD**
[54] **DISPOSITIF DE COMMUNICATION ET PROCEDE DE COMMUNICATION**
[72] HORIUCHI, AYAKO, JP
[72] SUZUKI, HIDETOSHI, XX
[72] KANG, YANG, XX
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2023-09-20
[86] 2021-12-28 (PCT/JP2021/048864)
[87] (WO2022/209097)
[30] JP (2021-055898) 2021-03-29

[21] **3,212,936**
[13] A1
[25] FR
[54] **NOVEL USE OF AN IMMUNOGENIC OR VACCINAL COMPOSITION**
[54] **NOUVELLE APPLICATION D'UNE COMPOSITION IMMUNOGENE OU VACCINALE**
[72] BLOMET, JOEL, FR
[72] SCHRAGE, NORBERT, DE
[72] HOLZER, FRANK, DE
[72] DESMECHT, DANIEL, BE
[71] EYE VACC, BE
[85] 2023-09-20
[86] 2022-03-22 (PCT/EP2022/057549)
[87] (WO2022/200385)
[30] DE (10 2021 001 467.7) 2021-03-22
[30] EP (21180477.8) 2021-06-18

[21] **3,212,937**
[13] A1
[51] **Int.Cl. B07C 5/02 (2006.01)**
[25] EN
[54] **PLANT FOR TREATING HORTICULTURAL PRODUCTS**
[54] **INSTALLATION DE TRAITEMENT DE PRODUITS HORTICOLES**
[72] BENEDETTI, LUCA, IT
[71] UNITEC S.P.A., IT
[85] 2023-09-20
[86] 2022-04-07 (PCT/EP2022/059302)
[87] (WO2022/218821)
[30] IT (102021000009185) 2021-04-13

[21] **3,212,946**
[13] A1
[51] **Int.Cl. C22C 29/08 (2006.01)**
[25] EN
[54] **COPPER-BASED ALLOY AND METAL MATRIX COMPOSITE FORMED USING SAME**
[54] **ALLIAGE A BASE DE CUIVRE ET COMPOSITE A MATRICE METALLIQUE FORME EN UTILISANT CELUI-CI**
[72] VECCHIO, JAMES NATHANIEL, US
[72] BELL, ANDY, US
[72] WANG, ZHONGMING, US
[71] OERLIKON METCO (US), INC., US
[85] 2023-09-20
[86] 2022-03-30 (PCT/US2022/022662)
[87] (WO2022/212588)
[30] US (63/169,669) 2021-04-01

[21] **3,212,949**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **POWER CONTROL IN MULTIPLE DATA SCHEDULING**
[54] **COMMANDE DE PUISSANCE DANS UNE PLANIFICATION DE DONNEES MULTIPLES**
[72] CIRIK, ALI CAGATAY, US
[72] ZHOU, HUA, US
[72] DINAN, ESMAEL HEJAZI, US
[72] YI, YUNJUNG, US
[72] PARK, JONGHYUN, US
[72] RASTEGARDOOST, NAZANIN, US
[72] XU, KAI, US
[71] OFINNO, LLC, US
[85] 2023-09-20
[86] 2022-03-24 (PCT/US2022/021657)
[87] (WO2022/204355)
[30] US (63/165,526) 2021-03-24

[21] **3,212,950**
[13] A1
[51] **Int.Cl. C07K 14/54 (2006.01) A61K 35/17 (2015.01) C07K 14/71 (2006.01)**
[25] EN
[54] **IMPROVING IMMUNE CELL FUNCTION**
[54] **AMELIORATION DE LA FONCTION DE CELLULES IMMUNITAIRES**
[72] WINTER, RUTH E., US
[72] BANERJEE, SAIKAT, US
[71] KITE PHARMA, INC., US
[85] 2023-09-07
[86] 2022-03-09 (PCT/US2022/019607)
[87] (WO2022/192439)
[30] US (63/159,610) 2021-03-11
[30] US (63/210,300) 2021-07-14

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[13] A1
[51] **Int.Cl. A63F 13/23 (2014.01) A63F 13/30 (2014.01) A63F 13/35 (2014.01) A63F 13/55 (2014.01)**
[25] EN
[54] **CONTROLLER STATE MANAGEMENT FOR CLIENT-SERVER NETWORKING**
[54] **GESTION D'ETAT DE DISPOSITIF DE COMMANDE POUR RESEAUTAGE CLIENT-SERVEUR**
[72] TIMMINS, LUKE, US
[72] PENG, GREGORY, US
[71] BUNGIE, INC., US
[85] 2023-09-07
[86] 2022-03-09 (PCT/US2022/019651)
[87] (WO2022/192474)
[30] US (63/158,965) 2021-03-10

[21] **3,212,952**
[13] A1
[51] **Int.Cl. C08F 130/08 (2006.01) C07C 49/84 (2006.01) C07C 69/24 (2006.01) C08G 77/20 (2006.01) C08J 3/28 (2006.01) C08K 5/07 (2006.01) C08K 5/10 (2006.01) C09D 4/00 (2006.01)**
[25] FR
[54] **TYPE I PHOTOINITIATOR FOR CROSSLINKING SILICONE COMPOSITIONS**
[54] **PHOTOAMORCEUR DE TYPE I POUR LA RETICULATION DE COMPOSITIONS SILICONES**
[72] ALLONAS, XAVIER, FR
[72] IBRAHIM, AHMAD, CA
[72] FRANCES, JEAN-MARC, FR
[72] THEIL, PERRINE, FR
[72] MALIVERNEY, CHRISTIAN, FR
[71] ELKEM SILICONES FRANCE SAS, FR
[71] UNIVERSITE DE HAUTE ALSACE, FR
[85] 2023-09-08
[86] 2022-03-10 (PCT/FR2022/050430)
[87] (WO2022/189757)
[30] FR (FR21 02359) 2021-03-10

[21] **3,212,953**
[13] A1
[51] **Int.Cl. B01J 19/12 (2006.01) H01J 37/00 (2006.01) H05B 6/78 (2006.01)**
[25] EN
[54] **PLASMA CHAMBER WITH ANCILLARY REACTION CHAMBER**
[54] **CHAMBRE A PLASMA AVEC CHAMBRE DE REACTION AUXILIAIRE**
[72] LEONARD III, GEORGE STEPHEN, US
[72] MCCLELLAND, STEFAN ANDREW, US
[72] REHAGEN, JOHN JOSEPH, US
[72] KOO, JAE MO, US
[71] RECARBON, INC., US
[85] 2023-09-07
[86] 2022-03-11 (PCT/US2022/071115)
[87] (WO2022/192918)
[30] US (63/160,300) 2021-03-12

[21] **3,212,954**
[13] A1
[51] **Int.Cl. A61F 5/56 (2006.01)**
[25] EN
[54] **AN INTELLIGENT INTRA-ORAL DEVICE**
[54] **DISPOSITIF INTRA-ORAL INTELLIGENT**
[72] BEDFORD, CHRISTOPHER RUSSELL, AU
[72] WOOD, HARRISON JOHN, AU
[72] MEIER, JOSHUA LUKE, AU
[72] OBUCHI, WATARU, AU
[71] SOMNOMED LIMITED, AU
[85] 2023-09-08
[86] 2022-03-03 (PCT/AU2022/050171)
[87] (WO2022/187889)
[30] AU (2021900648) 2021-03-08

[21] **3,212,955**
[13] A1
[51] **Int.Cl. H01L 31/042 (2014.01) H01L 31/18 (2006.01)**
[25] EN
[54] **EQUIPPING A CONVEYING UNIT DURING THE PRODUCTION OF SOLAR MODULES**
[54] **EQUIPEMENT D'UNE UNITE DE TRANSPORT LORS DE LA FABRICATION DE PANNEAUX SOLAIRES**
[72] ZAHN, PHILIPP DONATUS MARTIN, DE
[72] SCHNEIDEREIT, GUNTER, DE
[72] JEHL, DOMINIQUE, FR
[71] M10 SOLAR EQUIPMENT GMBH, DE
[85] 2023-09-08
[86] 2022-02-01 (PCT/EP2022/052330)
[87] (WO2022/189070)
[30] DE (10 2021 105 987.9) 2021-03-11

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[13] A1
[51] **Int.Cl. H01B 17/14 (2006.01) H01B 17/32 (2006.01)**
[25] EN
[54] **INSULATOR FOR HIGH-VOLTAGE APPLICATIONS**
[54] **ISOLATEUR POUR APPLICATIONS A HAUTE TENSION**
[72] BRULAND, MATTHIAS, DE
[71] MASCHINENFABRIK REINHAUSEN GMBH, DE
[85] 2023-09-08
[86] 2022-03-03 (PCT/EP2022/055335)
[87] (WO2022/189234)
[30] DE (10 2021 105 875.9) 2021-03-11

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[13] A1
[51] **Int.Cl. C09K 5/20 (2006.01) C09K 5/10 (2006.01) C23F 11/08 (2006.01) C23F 11/12 (2006.01) C23F 11/18 (2006.01)**
[25] EN
[54] **SOLID COOLANT CONCENTRATES AND PRODUCTION THEREOF**
[54] **CONCENTRES REFRIGERANTS SOLIDES DE ET LEUR PRODUCTION**
[72] DIETL, HARALD, DE
[72] NITZSCHKE, UWE, DE
[72] SANDOR, MARIO, DE
[72] SCHMITZ, RUEDIGER, DE
[71] BASF SE, DE
[85] 2023-09-08
[86] 2022-03-04 (PCT/EP2022/055539)
[87] (WO2022/189288)
[30] EP (21161682.6) 2021-03-10

[21] **3,212,959**
[13] A1
[51] **Int.Cl. A01G 7/06 (2006.01)**
[25] EN
[54] **INJECTION TOOLS FOR USE IN PLANT INJECTION SYSTEMS, AND METHODS FOR USING THEREOF**
[54] **OUTILS D'INJECTION DESTINES A ETRE UTILISES DANS DES SYSTEMES D'INJECTION DE PLANTES ET LEURS PROCEDES D'UTILISATION**
[72] OEHL, MICHAEL CHRISTIAN, CH
[72] VERWEIRE, DIMITRI, CH
[72] WIDMER, URS, CH
[71] INVAIO SCIENCES INTERNATIONAL GMBH, CH
[85] 2023-09-08
[86] 2022-03-08 (PCT/EP2022/055806)
[87] (WO2022/189386)
[30] US (63/158,751) 2021-03-09

[21] **3,212,960**
[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **REFRACTIVE EXTENDED DEPTH OF FOCUS INTRAOCULAR LENS, AND METHODS OF USE AND MANUFACTURE**
[54] **LENTILLE INTRAOCULAIRE REFRACTIVE A PROFONDEUR DE CHAMP ETENDUE, ET PROCEDES D'UTILISATION ET DE FABRICATION ASSOCIES**
[72] RIBEIRO, MIGUEL FARIA, PT
[72] GOUNOU, FRANCK, NL
[72] CANOVAS VIDAL, CARMEN, NL
[72] ALARCON HEREDIA, AIXA, NL
[71] AMO GRONINGEN B.V., NL
[85] 2023-09-08
[86] 2022-03-08 (PCT/EP2022/055870)
[87] (WO2022/189419)
[30] US (63/158,860) 2021-03-09

[21] **3,212,962**
[13] A1
[51] **Int.Cl. G06F 21/00 (2013.01) H04L 9/00 (2022.01) H04L 9/08 (2006.01)**
[25] EN
[54] **SEARCHABLE ENCRYPTION**
[54] **CHIFFREMENT INTERROGEABLE**
[72] MC BREARTY, SHAUN, IE
[72] CURRAN, KEVIN, GB
[71] VAULTREE LTD., IE
[85] 2023-09-08
[86] 2021-03-23 (PCT/EP2021/057377)
[87] (WO2022/063436)

[21] **3,212,964**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/47 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **TUMOR NEOANTIGENIC PEPTIDES**
[54] **PEPTIDES NEO-ANTIGENIQUES DE TUMEUR**
[72] AMIGORENA, SEBASTIAN, FR
[72] BURBAGE, MARIANNE, FR
[72] HOUY, ALEXANDRE, FR
[72] WATERFALL, JOSHUA, FR
[72] STERN, MARC-HENRI, FR
[72] SADACCA, BENJAMIN, FR
[72] MERLOTTI IPPOLITO, ANTONELA, FR
[72] ARRIBAS DE SANDOVAL, YAGOS, FR
[72] GOUDOT, CHRISTEL, FR
[71] MNEMO THERAPEUTICS, FR
[71] INSTITUT CURIE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2023-09-08
[86] 2022-03-11 (PCT/EP2022/056332)
[87] (WO2022/189626)
[30] EP (21305299.6) 2021-03-11
[30] EP (22305237.4) 2022-03-02

[21] **3,212,968**
[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **PREDICTING RESPONSE TO TREATMENTS IN PATIENTS WITH CLEAR CELL RENAL CELL CARCINOMA**
[54] **PREDICTION DE LA REPONSE A DES TRAITEMENTS CHEZ DES PATIENTS ATTEINTS D'UN CARCINOME RENAL A CELLULES CLAIRES**
[72] BAGAEV, ALEXANDER, RU
[72] HSIEH, JAMES, US
[72] MIHEECHEVA, NATALIA, RU
[72] PEREVOSHCHIKOVA, KRISTINA, RU
[72] POSTOVALOVA, EKATERINA, RU
[72] STUPICHEV, DANIL, RU
[71] BOSTONGENE CORPORATION, US
[71] WASHINGTON UNIVERSITY, US
[85] 2023-09-08
[86] 2022-03-09 (PCT/US2022/019633)
[87] (WO2022/192457)
[30] US (63/158,825) 2021-03-09

[21] **3,212,970**
[13] A1
[51] **Int.Cl. G06F 3/0484 (2022.01) G06F 3/04883 (2022.01) G06F 3/04886 (2022.01)**
[25] EN
[54] **STATE BASED ACTION BUTTONS**
[54] **BOUTONS D'ACTION BASES SUR L'ETAT**
[72] PENG, GREGORY, US
[71] BUNGIE, INC., US
[85] 2023-09-08
[86] 2022-03-09 (PCT/US2022/019645)
[87] (WO2022/192468)
[30] US (63/158,952) 2021-03-10

[21] **3,212,971**
[13] A1
[25] EN
[54] **ROTOR SHAFT**
[54] **ARBRE DE ROTOR**
[72] CRIPSEY, TIMOTHY JOHN, US
[72] BROCKETT, NICHOLAS, US
[72] HERSTON, ROBERT, US
[71] METAL FORMING & COINING CORPORATION, US
[85] 2023-09-21
[86] 2022-03-30 (PCT/US2022/071445)
[87] (WO2022/213091)
[30] US (63/168,010) 2021-03-30
[30] US (63/264,462) 2021-11-23
[30] US (63/264,483) 2021-11-23
[30] US (17/657,282) 2022-03-30

[21] **3,212,972**
[13] A1
[51] **Int.Cl. G06F 3/04842 (2022.01) G06F 3/04847 (2022.01)**
[25] EN
[54] **VIRTUAL BUTTON CHARGING**
[54] **CHARGE DE BOUTON VIRTUEL**
[72] PENG, GREGORY, US
[71] BUNGIE, INC., US
[85] 2023-09-08
[86] 2022-03-09 (PCT/US2022/019648)
[87] (WO2022/192471)
[30] US (63/158,954) 2021-03-10

[21] **3,212,973**
[13] A1
[51] **Int.Cl. A63F 13/55 (2014.01) A63F 13/40 (2014.01) A63F 13/56 (2014.01)**
[25] EN
[54] **MARKUP FREE LEDGE GRAB**
[54] **PREHENSION DE REBORD SANS BALISAGE**
[72] TIMMINS, LUKE, US
[71] BUNGIE, INC., US
[85] 2023-09-08
[86] 2022-03-10 (PCT/US2022/019682)
[87] (WO2022/192493)
[30] US (63/158,959) 2021-03-10

[21] **3,212,975**
[13] A1
[51] **Int.Cl. G06F 3/0484 (2022.01) G06F 3/0488 (2022.01) G06F 3/041 (2006.01)**
[25] EN
[54] **VIRTUAL AUTOMATIC AIMING**
[54] **VISEE AUTOMATIQUE VIRTUELLE**
[72] PENG, GREGORY, US
[71] BUNGIE, INC., US
[85] 2023-09-08
[86] 2022-03-10 (PCT/US2022/019685)
[87] (WO2022/192495)
[30] US (63/158,961) 2021-03-10

[21] **3,212,976**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01)**
[25] EN
[54] **DEVICES FOR THE DELIVERY OF PULSED ELECTRIC FIELDS IN THE TREATMENT OF CARDIAC TISSUE**
[54] **DISPOSITIFS SERVANT A L'ADMINISTRATION DE CHAMPS ELECTRIQUES PULSES DANS LE TRAITEMENT DE TISSU CARDIAQUE**
[72] GANDIONCO, ISIDRO, US
[72] CHIANG, KIRBY, US
[72] EYSTER, CURT ROBERT, US
[71] GALVANIZE THERAPEUTICS, INC., US
[85] 2023-09-08
[86] 2022-03-10 (PCT/US2022/019719)
[87] (WO2022/192522)
[30] US (63/159,331) 2021-03-10

[21] **3,212,978**
[13] A1
[25] EN
[54] **BICISTRONIC CHIMERIC ANTIGEN RECEPTORS DESIGNED TO REDUCE RETROVIRAL RECOMBINATION AND USES THEREOF**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES BICISTRONIQUES CONCUS POUR REDUIRE LA RECOMBINAISON RETROVIRALE ET LEURS UTILISATIONS**
[72] KOCHENDERFER, JAMES N., US
[72] LAM, NORRIS, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPART..., US
[85] 2023-09-21
[86] 2022-03-23 (PCT/US2022/021545)
[87] (WO2022/204282)
[30] US (63/165,195) 2021-03-24

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[13] A1
[51] **Int.Cl. G10L 19/032 (2013.01) G10L 19/008 (2013.01) G10L 19/022 (2013.01) G10L 19/02 (2013.01)**
[25] EN
[54] **COMBINING SPATIAL AUDIO STREAMS**
[54] **COMBINAISON DE FLUX AUDIO SPATIAUX**
[72] LAITINEN, MIKKO-VILLE, FI
[72] VASILACHE, ADRIANA, FI
[72] PIHLAJAKUJA, TAPANI, FI
[72] LAAKSONEN, LASSE JUHANI, FI
[72] RAMO, ANSSI SAKARI, FI
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2023-09-21
[86] 2021-03-22 (PCT/FI2021/050199)
[87] (WO2022/200666)

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[13] A1
[51] **Int.Cl. B01J 20/20 (2006.01) B01J 20/30 (2006.01) C04B 14/06 (2006.01) C04B 14/36 (2006.01) C04B 28/00 (2006.01)**
[25] EN
[54] **CEMENT COMPOSITIONS, AND METHODS THEREOF**
[54] **COMPOSITIONS DE CIMENT ET LEURS PROCEDES**
[72] ASHRAF, WARDA BINT, US
[72] HAQUE, MUHAMMAD INTESARUL, US
[72] PENDSE, HEMANT PURUSHOTTAM, US
[71] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2023-09-08
[86] 2022-03-11 (PCT/US2022/019907)
[87] (WO2022/192642)
[30] US (63/160,397) 2021-03-12

[21] **3,212,990**
[13] A1
[51] **Int.Cl. A01K 15/02 (2006.01) A01K 15/00 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **PET TOY**
[54] **JOUET POUR ANIMAL DE COMPAGNIE**
[72] MARKHAM, JOSEPH P., US
[71] BOUNCE ENTERPRISES LLC, US
[85] 2023-09-08
[86] 2022-03-11 (PCT/US2022/020011)
[87] (WO2022/192712)
[30] US (17/198,498) 2021-03-11

[21] **3,212,992**
[13] A1
[25] EN
[54] **DISCHARGE CONTAINER**
[54] **CONTENANT D'EVACUATION**
[72] OGAWA, YUKIHIRO, JP
[72] NISHIKURA, HIDENARI, JP
[72] TANAKA, TSUTOMU, JP
[71] TAISEI KAKO CO., LTD., JP
[71] YUWA SHOJI CO., LTD., JP
[85] 2023-09-21
[86] 2022-03-22 (PCT/JP2022/013279)
[87] (WO2022/202842)
[30] JP (2021-047328) 2021-03-22

[21] **3,212,994**
[13] A1
[51] **Int.Cl. A61K 47/64 (2017.01) C12N 15/113 (2010.01) A61P 21/04 (2006.01) C07K 9/00 (2006.01) C12Q 1/68 (2018.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING MYOTONIC DYSTROPHY TYPE 1 USING PEPTIDE-OLIGONUCLEOTIDE CONJUGATES**
[54] **METHODES DE TRAITEMENT DE DYSTROPHIE MYOTONIQUE DE TYPE 1 A L'AIDE DE CONJUGUES PEPTIDE-OLIGONUCLEOTIDE**
[72] GODFREY, CAROLINE, US
[72] BRACEGIRDLE, SONIA, US
[72] HOLLAND, ASHLING, US
[72] GUNNOO, SMITA, US
[71] PEPGEN INC., US
[85] 2023-09-08
[86] 2022-03-11 (PCT/US2022/020070)
[87] (WO2022/192754)
[30] US (63/160,710) 2021-03-12

[21] **3,212,995**
[13] A1
[51] **Int.Cl. B60L 53/68 (2019.01)**
[25] EN
[54] **ASSIGNING AUTHORITY FOR ELECTRIC VEHICLE CHARGING**
[54] **AUTORITE D'ATTRIBUTION POUR CHARGE DE VEHICULE ELECTRIQUE**
[72] KENNEDY, JOHN C., US
[72] KOPCHINSKY, SCOTT, US
[72] WOOD, BRENDON, US
[72] SON, DON, US
[72] GAROFALO, MATT, US
[71] PLATFORM SCIENCE, INC., US
[85] 2023-09-08
[86] 2022-03-17 (PCT/US2022/020822)
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[30] US (63/165,114) 2021-03-23

[21] **3,212,996**
[13] A1
[51] **Int.Cl. G16B 15/30 (2019.01) G16B 20/30 (2019.01) G16B 40/20 (2019.01)**
[25] EN
[54] **USING NEURAL NETWORKS TO PREDICT PEPTIDE IMMUNOGENICITY**
[54] **UTILISATION DE RESEAUX NEURONAUX POUR PREDIRE L'IMMUNOGENICITE D'UN PEPTIDE**
[72] LIU, KAI, US
[72] SALEM, MILAD, US
[72] THRIFT, WILLIAM JOHN, US
[71] GENENTECH, INC., US
[85] 2023-09-08
[86] 2022-03-25 (PCT/US2022/022037)
[87] (WO2022/204566)
[30] US (63/166,030) 2021-03-25

[21] **3,212,998**
[13] A1
[51] **Int.Cl. C07D 271/113 (2006.01) A01N 43/82 (2006.01)**
[25] EN
[54] **CHIRAL N-(1,3,4-OXADIAZOLE-2-YL)PHENYL CARBOXYLIC ACID AMIDES AND THEIR USE AS HERBICIDES**
[54] **AMIDES D'ACIDE N-(1,3,4-OXADIAZOLE-2-YL)PHENYL-CARBOXYLIQUE CHIRAUX ET LEUR UTILISATION EN TANT QU'HERBICIDES**
[72] KOHN, ARNIM, DE
[72] WALDRAFF, CHRISTIAN, DE
[72] AHRENS, HARTMUT, DE
[72] BRAUN, RALF, DE
[72] JAKOBI, HARALD, DE
[72] ROSINGER, CHRISTOPHER HUGH, DE
[72] GATZWEILER, ELMAR, DE
[72] DITTGEN, JAN, DE
[72] BOLLENBACH-WAHL, BIRGIT, DE
[72] ASMUS, ELISABETH, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2023-09-08
[86] 2022-03-09 (PCT/EP2022/056017)
[87] (WO2022/189495)
[30] EP (21162218.8) 2021-03-12

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[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01)**
[25] EN
[54] **QUANTUM KEY DISTRIBUTION TRANSMITTER**
[54] **EMETTEUR DE DISTRIBUTION DE CLE QUANTIQUE**
[72] BACCO, DAVIDE, IT
[72] CATALIOTTI, FRANCESCO SAVERIO, IT
[72] DE NATALE, PAOLO, IT
[72] OCCHIPINTI, TOMMASO, IT
[72] VAGNILUCA, ILARIA, IT
[72] ZAVATTA, ALESSANDRO, IT
[71] QTI SRL, IT
[85] 2023-09-08
[86] 2022-03-09 (PCT/EP2022/056067)
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[30] IT (102021000005462) 2021-03-09

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[13] A1
[51] **Int.Cl. A23L 7/10 (2016.01) A23J 1/12 (2006.01) A23L 2/74 (2006.01)**
[25] EN
[54] **OAT FRACTIONATION PROCESS AND BEVERAGES PRODUCED THEREFROM**
[54] **PROCEDE DE FRACTIONNEMENT D'AVOINE ET BOISSONS PRODUITES A PARTIR DE CELUI-CI**
[72] GROSSBIER, DUSTIN, US
[72] UR REHMAN, SHAKEEL, US
[72] DOELMAN, TIMOTHY P., US
[72] BACKINOFF, SCOTT BRUCE, US
[72] CHAUHAN, JAYDEEPSINH M., US
[72] ADAMSON, NICHOLAS, US
[71] FAIRLIFE, LLC, US
[85] 2023-09-21
[86] 2022-04-18 (PCT/US2022/025235)
[87] (WO2022/225856)
[30] US (63/176,936) 2021-04-20

[21] **3,213,002**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 1/00 (2006.01) C07K 14/12 (2006.01)**
[25] EN
[54] **TRANSMEMBRANE NEOANTIGENIC PEPTIDES**
[54] **PEPTIDES NEO-ANTIGENIQUES TRANSMEMBRANAIRES**
[72] AMIGORENA, SEBASTIAN, FR
[72] BURBAGE, MARIANNE, FR
[72] HOUY, ALEXANDRE, FR
[72] WATERFALL, JOSHUA, FR
[72] STERN, MARC-HENRI, FR
[72] SADACCA, BENJAMIN, FR
[72] MERLOTTI IPPOLITO, ANTONELA, FR
[72] GOUDOT, CHRISTEL, FR
[72] LOPEZ LASTRA, SILVIA, FR
[72] ARRIBAS DE SANDOVAL, YAGOS, FR
[71] INSTITUT CURIE, FR
[71] MNEMO THERAPEUTICS, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2023-09-08
[86] 2022-03-11 (PCT/EP2022/056318)
[87] (WO2022/189620)
[30] EP (21305296.2) 2021-03-11
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[21] **3,213,003**
[13] A1
[51] **Int.Cl. C08L 33/04 (2006.01) C08L 51/06 (2006.01)**
[25] EN
[54] **THERMOPLASTIC RESIN COMPOSITION AND MOLDED ARTICLE THEREOF**
[54] **COMPOSITION DE RESINE THERMOPLASTIQUE ET ARTICLE MOULE CORRESPONDANT**
[72] HIRAISHI, KENTARO, JP
[72] SHINOHARA, YOSHIAKI, JP
[72] KAMATA, ICHIRO, JP
[71] TECHNO-UMG CO., LTD., JP
[85] 2023-09-21
[86] 2022-02-22 (PCT/JP2022/007413)
[87] (WO2022/209442)
[30] JP (2021-054509) 2021-03-29

[21] **3,213,004**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 4/12 (2006.01)**
[25] EN
[54] **TUMOR NEOANTIGENIC PEPTIDES AND USES THEREOF**
[54] **PEPTIDES NEO-ANTIGENIQUES TUMORAUX ET LEURS UTILISATIONS**
[72] AMIGORENA, SEBASTIAN, FR
[72] BURBAGE, MARIANNE, FR
[72] HOUY, ALEXANDRE, FR
[72] WATERFALL, JOSHUA, FR
[72] STERN, MARC-HENRI, FR
[72] SADACCA, BENJAMIN, FR
[72] MERLOTTI IPPOLITO, ANTONELA, FR
[72] ARRIBAS DE SANDOVAL, YAGO, FR
[72] GOUDOT, CHRISTEL, FR
[71] MNEMO THERAPEUTICS, FR
[71] INSTITUT CURIE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2023-09-08
[86] 2022-03-11 (PCT/EP2022/056353)
[87] (WO2022/189639)
[30] EP (21305302.8) 2021-03-11
[30] EP (22305239.0) 2022-03-02

[21] **3,213,005**
[13] A1
[51] **Int.Cl. G16H 20/17 (2018.01) G16H 20/10 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DIABETES MANAGEMENT**
[54] **SYSTEMES ET METHODES DE PRISE EN CHARGE DU DIABETE**
[72] KUMAR, PANGANAMALA ASHWIN, US
[72] HILTON, KIMBERLY, US
[72] FLOEH, JESSICA ROSE, US
[72] REVOLTAR, ANDREW, US
[72] SWINEHART, LINDSEY COLLEEN, US
[72] PARTHASARATHY, VYSHNNAVI, US
[72] EDWARDS-GILLAS, ADDISON VERONICA, US
[72] FERN, JONATHAN M., US
[72] NOVAK, MATTHEW T., US
[72] HAYTER, GARY A., US
[71] ABBOTT DIABETES CARE INC., US
[85] 2023-09-21
[86] 2022-04-20 (PCT/US2022/025557)
[87] (WO2022/226077)
[30] US (63/177,706) 2021-04-21
[30] US (63/236,910) 2021-08-25

[21] **3,213,007**
[13] A1
[51] **Int.Cl. A61K 38/43 (2006.01) B82Y 5/00 (2011.01) B82Y 15/00 (2011.01) C07K 1/107 (2006.01) C12N 9/64 (2006.01) C12N 9/96 (2006.01) C12N 11/04 (2006.01) C12N 11/14 (2006.01) G01N 33/547 (2006.01) G01N 33/549 (2006.01)**
[25] EN
[54] **BIOCATALYTICAL COMPOSITION AND USE FOR GENERATION OF IMMUNOLIGAND-PAYLOAD CONJUGATES**
[54] **COMPOSITION BIOCATALYTIQUE ET UTILISATION POUR LA GENERATION DE CONJUGUES D'IMMUNOLIGAND-CHARGE UTILE**
[72] SHAHGALDIAN, PATRICK, FR
[72] BRIAND, MANON, CH
[72] CORVINI, PHILIPPE F.-X., FR
[72] CORRERO, MARIA RITA, FR
[72] DUDAL, YVES, CH
[72] GRAWUNDER, ULF, CH
[72] GEBLEUX, REMY, CH
[72] BEERLI, ROGER R., CH
[71] INOFEA AG, CH
[71] NBE-THERAPEUTICS AG, CH
[85] 2023-09-08
[86] 2022-03-17 (PCT/EP2022/056952)
[87] (WO2022/195000)
[30] EP (21163418.3) 2021-03-18

[21] **3,213,009**
[13] A1
[51] **Int.Cl. A61B 8/12 (2006.01) A61B 8/00 (2006.01)**
[25] EN
[54] **DISPOSABLE CATHETER WITH ROTATABLE IMAGE ARRAY**
[54] **CATHETER JETABLE DOTE D'UN RESEAU D'IMAGES ROTATIF**
[72] HENNERSPERGER, CHRISTOPH, DE
[72] LAHART, FIONN, IE
[72] HENEGHAN, PAUL, IE
[72] RESTIVO, COURTNEY, DE
[71] ONEPROJECTS DESIGN AND INNOVATION LTD., IE
[85] 2023-09-08
[86] 2022-03-09 (PCT/IB2022/000101)
[87] (WO2022/189853)
[30] US (63/158,604) 2021-03-09

[21] **3,213,023**
[13] A1
[51] **Int.Cl. C08J 5/18 (2006.01) B32B 27/08 (2006.01) B32B 27/18 (2006.01) B32B 27/20 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) C08L 23/04 (2006.01)**
[25] EN
[54] **BIAXIALLY ORIENTED FILM**
[54] **FILM A ORIENTATION BIAXIALE**
[72] AUBEE, NORMAN, CA
[72] GILLON, BRONWYN, CA
[72] CARELLO, CHRISTIAN, CA
[72] TAYLOR, JARED, CA
[72] FEREYDOON, MARYAM, CA
[72] GOYAL, SHIVENDRA, CA
[72] LIGHTBODY, OWEN, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2023-09-08
[86] 2022-04-14 (PCT/IB2022/053533)
[87] (WO2022/224104)
[30] US (63/176,629) 2021-04-19

[21] **3,213,025**
[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **JOINT ADHESIVE FOR CELLULAR GLASS INSULATION**
[54] **ADHESIF DE JOINT POUR ISOLATION DE VERRE CELLULAIRE**
[72] HUANG, HELEN, US
[72] BADGER, STEVEN, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2023-09-08
[86] 2022-03-08 (PCT/US2022/019224)
[87] (WO2022/192165)
[30] US (63/158,977) 2021-03-10

[21] **3,213,026**
[13] A1
[51] **Int.Cl. G06F 3/041 (2006.01) G06F 3/0486 (2013.01) G06F 3/01 (2006.01) G06F 3/16 (2006.01)**
[25] EN
[54] **VIRTUALIZED PHYSICAL CONTROLLER**
[54] **CONTROLEUR PHYSIQUE VIRTUALISE**
[72] PENG, GREGORY, US
[71] BUNGIE, INC., US
[85] 2023-09-08
[86] 2022-03-08 (PCT/US2022/019240)
[87] (WO2022/192178)
[30] US (63/158,951) 2021-03-10

[21] **3,213,031**
[13] A1
[51] **Int.Cl. C08L 95/00 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR TREATING AN ASPHALT PAVEMENT WITH A PENETRATING EMULSION**
[54] **COMPOSITION ET PROCEDE DE TRAITEMENT D'UNE CHAUSSEE EN ASPHALTE AVEC UNE EMULSION PENETRANTE**
[72] EXLINE, MARVIN KELLER, US
[72] SWIERTZ, DAN, US
[72] EICHER, ANDREW JACOB, US
[71] HERITAGE RESEARCH GROUP, LLC, US
[85] 2023-09-08
[86] 2022-03-08 (PCT/US2022/019304)
[87] (WO2022/192227)
[30] US (63/158,512) 2021-03-09

[21] **3,213,032**
[13] A1
[51] **Int.Cl. A63B 24/00 (2006.01)**
[25] EN
[54] **MOTOR POWERED LIFTING RACK SYSTEM**
[54] **SYSTEME DE BATI DE LEVAGE MOTORISE**
[72] LANIER, CODY AUSTIN, US
[71] LANIER, CODY AUSTIN, US
[85] 2023-09-08
[86] 2022-03-08 (PCT/US2022/019312)
[87] (WO2022/192235)
[30] US (63/200,471) 2021-03-09
[30] US (17/653,953) 2022-03-08

[21] **3,213,033**
[13] A1
[51] **Int.Cl. E21B 43/267 (2006.01) E21B 23/04 (2006.01) E21B 34/14 (2006.01)**
[25] EN
[54] **WELL TOOLS WITH COMPONENTS FORMED FROM PYROLYTICALLY DEGRADABLE MATERIALS**
[54] **OUTILS DE PUITS AVEC COMPOSANTS FORMES A PARTIR DE MATERIAUX DEGRADABLES PAR PYROLYSE**
[72] FRIPP, MICHAEL LINLEY, US
[72] SMITH, CHARLES TIMOTHY, US
[72] GLAESMAN, CHAD WILLIAM, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2023-09-08
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Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **3,205,220**
[13] A1
[25] EN
[54] **A LOW PROFILE TRANSSEPTAL CATHETER AND IMPLANT SYSTEM FOR MINIMALLY INVASIVE VALVE PROCEDURE**
[54] **SYSTEME D'IMPLANT ET DE CATHETER TRANS-SEPTAL A PROFIL BAS POUR UNE INTERVENTION DE VALVULE NON EFFRACTIVE**
[72] KEIDAR, YARON, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[22] 2016-02-09
[41] 2016-08-18
[62] 2,974,974
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[21] **3,211,488**
[13] A1
[25] EN
[54] **ROTATING MAGNET HEAT INDUCTION**
[54] **INDUCTION DE CHALEUR PAR AIMANTS ROTATIFS**
[72] PRALONG, ANTOINE JEAN WILLY, CH
[72] GAENSBAUER, DAVID ANTHONY, US
[72] BROWN, RODGER, US
[72] KOSMICKI, MICHAEL, US
[72] CUSTERS, DAVID MICHAEL, CA
[72] IYER, NATASHA, US
[72] WAGSTAFF, ROBERT BRUCE, US
[72] MANAVBASI, ALP, US
[72] SON, CHANGOOK, US
[72] BENDZINSKI, DUANE E., US
[72] KAMAT, RAJEEV G., US
[72] WRIGHT, DAVID SKINGLEY, DE
[72] HOBBIS, ANDREW JAMES, CA
[72] BESSON, CHRISTOPHE, CH
[71] NOVELIS INC., US
[22] 2017-09-27
[41] 2018-04-05
[62] 3,038,298
[30] US (62/400,426) 2016-09-27
[30] US (62/505,948) 2017-05-14
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[21] **3,211,514**
[13] A1
[25] EN
[54] **ROTATING MAGNET HEAT INDUCTION**
[54] **INDUCTION DE CHALEUR PAR AIMANTS ROTATIFS**
[72] PRALONG, ANTOINE JEAN WILLY, CH
[72] KNELSEN, PETER, US
[72] GAENSBAUER, DAVID ANTHONY, US
[72] BROWN, RODGER, US
[72] KOSMICKI, MICHAEL, US
[72] CUSTERS, DAVID MICHAEL, CA
[72] IYER, NATASHA, US
[72] WAGSTAFF, ROBERT BRUCE, US
[72] MANAVBASI, ALP, US
[72] SON, CHANGOOK, US
[72] BENDZINSKI, DUANE E., US
[72] KAMAT, RAJEEV G., US
[72] WRIGHT, DAVID SKINGLEY, DE
[72] HOBBIS, ANDREW JAMES, CA
[72] BESSON, CHRISTOPHE, CH
[71] NOVELIS INC., US
[22] 2017-09-27
[41] 2018-04-05
[62] 3,038,298
[30] US (62/400,426) 2016-09-27
[30] US (62/505,948) 2017-05-14
[30] US (62/529,053) 2017-07-06

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[21] **3,211,647**
[13] A1
[25] EN
[54] **PREAMBLE SYMBOL RECEIVING METHOD AND DEVICE**
[54] **PROCEDE ET APPAREIL DESTINES A LA RECEPTION DE SYMBOLE DE PREAMBULE**
[72] HUANG, GE, CN
[72] XU, HONGLIANG, CN
[72] XING, GUANBIN, CN
[72] ZHANG, WENJUN, CN
[72] GUO, XUFENG, CN
[71] SHANGHAI NATIONAL ENGINEERING RESEARCH CENTER OF DIGITAL TELEVISION CO., LTD., CN
[22] 2015-04-16
[41] 2015-10-22
[62] 2,945,857
[30] CN (201410153040.X) 2014-04-16
[30] CN (201410168180.4) 2014-04-24
[30] CN (201410175323.4) 2014-04-28
[30] CN (201410177035.2) 2014-04-29
[30] CN (201410182962.3) 2014-04-30
[30] CN (201410184919.0) 2014-05-04
[30] CN (201410185112.9) 2014-05-05
[30] CN (201410229558.7) 2014-05-28
[30] CN (201410259080.2) 2014-06-12
[30] CN (201410274626.1) 2014-06-19
[30] CN (201410326504.2) 2014-07-10
[30] CN (201410753506.X) 2014-12-10
[30] CN (201510039510.4) 2015-01-26
[30] CN (201510061935.5) 2015-01-30
[30] CN (201510052202.5) 2015-01-30
[30] CN (201510064118.5) 2015-02-06
[30] CN (201510076216.0) 2015-02-12
[30] CN (201510076151.X) 2015-02-12
[30] CN (201510076155.8) 2015-02-12

[21] **3,211,653**
[13] A1
[25] EN
[54] **CHILD RESTRAINT CARRIER AND LOCKING MECHANISM THEREOF**
[54] **PORTE-BEBE A RESTRICTION ET MECANISME DE VERROUILLAGE CONNEXE**
[72] HARMES, CLYDE S,, V, US
[72] HUTCHINSON, JAMES M. F., US
[71] WONDERLAND SWITZERLAND AG, CH
[22] 2019-09-11
[41] 2020-03-12
[62] 3,124,462
[30] US (62/730314) 2018-09-12

[21] **3,211,662**
[13] A1
[25] EN
[54] **REAL-TIME CRIME CENTER SOLUTION WITH DISPATCH DIRECTED DIGITAL MEDIA PAYLOADS**
[54] **SOLUTION DE CENTRE DU CRIME EN TEMPS REEL AVEC CHARGES UTILES DE CONTENU NUMERIQUE AXEES SUR LE DEPLOIEMENT**
[72] LINDENAU, CHRISTOPHER R., US
[72] BALDONI, ANTHONY C., US
[72] ROBINSON, DAVID A., US
[72] MERCHANT, SAHIL N., US
[71] FUSUS, INC., US
[22] 2021-01-13
[41] 2022-03-04
[62] 3,105,738
[30] US (17/013,008) 2020-09-04

[21] **3,211,663**
[13] A1
[25] EN
[54] **ELECTRONIC MEDICATION COMPLIANCE MONITORING SYSTEM AND ASSOCIATED METHODS**
[54] **SYSTEME ELECTRONIQUE DE SURVEILLANCE DE LA CONFORMITE DE LA MEDICATION ET METHODES ASSOCIEES**
[72] EULIANO II, NEIL R., US
[72] MYERS, BRENT A., US
[72] PRINCIPE, JOSE C., US
[72] MEKA, VENKATA V., US
[72] FLORES, GLEN, US
[72] DARMANIJAN, SHALOM, US
[72] BUFFKIN, ERIC, US
[71] ETECTRX, INC., US
[22] 2015-10-13
[41] 2017-04-13
[62] 2,909,033

[21] **3,211,697**
[13] A1
[25] EN
[54] **WORKHEAD ASSEMBLY FOR RAIL APPLICATIONS**
[54] **ENSEMBLE TETE PORTE-PIECE POUR APPLICATIONS FERROVIAIRES**
[72] VARGAS, VICTOR, US
[72] ALFORD, ROB, US
[72] SAMI, RAZA, US
[71] HARSCO TECHNOLOGIES LLC, US
[22] 2016-06-29
[41] 2017-01-19
[62] 2,991,754
[30] US (62/191,156) 2015-07-10
[30] US (15/192,483) 2016-06-24

[21] **3,211,712**
[13] A1
[25] EN
[54] **BI-FOLD DOOR LATCH ASSEMBLY AND FLOOR ANCHOR ASSEMBLY**
[54] **MECANISME DE VERROU DE PORTE PLIANTE ET DISPOSITIF D'ANCRAGE AU PLANCHER**
[72] SCHWEISS, MICHAEL L., US
[71] SORREL QUARTERS, LLC, US
[22] 2017-04-05
[41] 2018-04-11
[62] 2,963,384
[30] US (62/319,406) 2016-04-07
[30] US (15/477,764) 2017-04-03
[30] US (15/290,627) 2016-10-11

[21] **3,211,718**
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[51] **Int.Cl. A61K 47/54 (2017.01) A61K 9/50 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ENHANCED LOADING OF INTACT, BACTERIALLY DERIVED VESICLES WITH SMALL MOLECULE COMPOUNDS**
[54] **CHARGE AMELIOREE DE COMPOSES A PETITES MOLECULES DANS DES VESICULES D'ORIGINE BACTERIENNE INTACTES**
[72] BRAHMBHATT, HIMANSHU, AU
[72] MACDIARMID, JENNIFER, AU
[71] ENGENEIC MOLECULAR DELIVERY PTY LTD, AU
[22] 2015-10-02
[41] 2016-04-07
[62] 2,963,218
[30] US (62/059,466) 2014-10-03

[21] **3,211,752**
[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01) A61L 2/16 (2006.01) B05B 7/04 (2006.01)**
[25] EN
[54] **A UNIFIED AIRFLOW SYSTEM FOR ULTRAVIOLET DISINFECTION DEVICES**
[54] **SYSTEME D'ECOULEMENT D'AIR UNIFIE POUR DISPOSITIFS DE DESINFECTION PAR ULTRAVIOLETS**
[72] RAMANAND, PRAKASH VALENTINO, CA
[72] DHILLON, MANJINDER SINGH, CA
[71] ANGELICA HOLDINGS LLC, US
[22] 2019-02-05
[41] 2019-08-08
[62] 3,087,876
[30] US (62/626,483) 2018-02-05

[21] **3,211,770**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR DATA ANALYTICS AND VISUALIZATION**
[54] **SYSTEME ET METHODE D'ANALYSE ET DE VISUALISATION DE DONNEES**
[72] ZAMANAKOS, GEORGIOS, US
[72] WIEDEBACK, DANIEL, US
[72] STEWART, JEFFREY, US
[72] REIHMAN, ELI, US
[72] PRICE, DAVID, US
[72] MILLER, LAUREN C., US
[72] LEONE, KERI, US
[72] KRAEMER, DAN, US
[72] KIRBY, KATHERINE, US
[72] KIDA, GREG, US
[72] KAMATH, APURV ULLAS, US
[72] GREENE, ADAM, US
[72] GIMENEZ, REBECCA, US
[72] ELLI, SARAH, US
[72] DRAEGER, RIAN, US
[72] DELMORE, SHAN, US
[72] BOWMAN, LEIF, US
[71] DEXCOM, INC., US
[22] 2015-10-02
[41] 2016-04-14
[62] 2,953,582
[30] US (62/060,351) 2014-10-06

[21] **3,211,794**
[13] A1
[25] EN
[54] **APPLICATORS FOR APPLYING TRANSCUTANEOUS ANALYTE SENSORS AND ASSOCIATED METHODS OF MANUFACTURE**
[54] **APPLICATEURS CONCUS POUR APPLIQUER DES CAPTEURS D'ANALYTES TRANSCUTANES ET PROCEDES DE FABRICATION ASSOCIES**
[72] BAKER, JOSEPH J., US
[72] PUPA, PHILIP, US
[72] GOLDSMITH, TIMOTHY, US
[72] BODNAR, JON, US
[72] HALAC, JASON, US
[72] GRAY, JOHN, US
[72] JOHNSTON, NEAL, US
[72] ENGLAND, JUSTEN, US
[72] SIMPSON, PETER C., US
[72] NEALE, PAUL, US
[72] BLACKWELL, JENNIFER, US
[72] WELLS, MARIA, US
[72] PIRONDINI, KENNETH, US
[72] REINHARDT, ANDREW, US
[72] KEMPKEY, MARK, US
[72] LEE, YOUNG WOO, US
[72] TERRY, WARREN, US
[72] CASTAGNA, PATRICK, US
[72] KELLER, DAVID, US
[72] KOPLIN, RANDALL SCOTT, US
[72] JONCICH, ANDREW, US
[72] BHATT, NIRAV, US
[71] DEXCOM, INC., US
[22] 2018-06-18
[41] 2018-12-27
[62] 3,067,825
[30] US (62/521,969) 2017-06-19

[21] **3,211,813**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING ALERTS OPTIMIZED FOR A USER**
[54] **SYSTEME ET PROCEDE DESTINES A FOURNIR DES ALERTES OPTIMISEES A UN UTILISATEUR**
[72] DAVIS, ANNA LEIGH, US
[72] BELLIVEAU, SCOTT M., US
[72] BHAVARAJU, NARESH C., US
[72] BOWMAN, LEIF N., US
[72] CASTILLO, RITA, US
[72] CONSTANTIN, ALEXANDRA ELENA, US
[72] DRAEGER, RIAN, US
[72] DUNN, LAURA, US
[72] GARCIA, ARTURO, US
[72] HALL, THOMAS, US
[72] HAMPAPURAM, HARI, US
[72] HANNEMANN, CHRISTOPHER, US
[72] HARLEY-TROCHIMCZYK, ANNA, US
[72] HEINTZMAN, NATHANIEL DAVID, US
[72] JACKSON, ANDREA, US
[72] JEPSON, LAUREN HRUBY, US
[72] KAMATH, APURV ULLAS, US
[72] KOEHLER, KATHERINE, US
[72] MANDAPAKA, ADITYA, US
[72] MORRIS, GARY A., US
[72] PAI, SUBRAI GIRISH, US
[72] PAL, ANDREW ATTILA, US
[72] POLYTARIDIS, NICHOLAS, US
[72] PUPA, PHILIP, US
[72] REIHMAN, ELI, US
[72] SCHUNK, SOFIE, US
[72] SIMPSON, PETER C., US
[72] SMITH, DANIEL, US
[72] VANSLYKE, STEPHEN J., US
[72] WALKER, TOMAS C., US
[72] WEST, BENJAMIN ELROD, US
[72] WILEY, ATIIM, US
[71] DEXCOM, INC., US
[22] 2017-04-28
[41] 2017-11-09
[62] 3,017,255
[30] US (62/330,729) 2016-05-02

[21] **3,211,815**
[13] A1
[25] EN
[54] **SPRING ASSISTED ADJUSTABLE LOG REST AND CROSS BUNK**
[54] **SUPPORT A BILLES DE BOIS AJUSTABLE A RESSORT ET GRIFFE TRANSVERSALE**
[72] CABRIT, SEBASTIEN, CA
[72] DALE, ASHLYNNE, CA
[72] VANDERHEYDEN, DANIEL, CA
[71] NORWOOD INDUSTRIES INC., CA
[22] 2023-01-25
[41] 2023-04-03
[62] 3,187,800

[21] **3,211,817**
[13] A1
[25] EN
[54] **ANCHORLESS INTRAGASTRIC DEVICE FOR TREATING OBESITY**
[54] **DISPOSITIF INTRAGASTRIQUE NON ANCRE POUR TRAITER L'OBESITE**
[72] SHARMA, VIRENDER K., US
[72] BASUDE, RAGHUVEER, US
[71] SYNERZ MEDICAL, INC., US
[22] 2017-04-26
[41] 2017-11-02
[62] 3,122,472
[30] US (62/328,326) 2016-04-27
[30] US (15/496,625) 2017-04-25

[21] **3,211,824**
[13] A1
[25] EN
[54] **REAL-TIME CRIME CENTER SOLUTION WITH DISPATCH DIRECTED DIGITAL MEDIA PAYLOADS**
[54] **SOLUTION DE CENTRE DU CRIME EN TEMPS REEL AVEC CHARGES UTILES DE CONTENU NUMERIQUE AXEES SUR LE DEPLOIEMENT**
[72] LINDENAU, CHRISTOPHER R., US
[72] BALDONI, ANTHONY C., US
[72] ROBINSON, DAVID A., US
[72] MERCHANT, SAHIL N., US
[71] FUSUS, INC., US
[22] 2021-01-13
[41] 2022-03-04
[62] 3,105,738
[30] US (17/013,008) 2020-09-04

[21] **3,211,863**
[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01) C07K 16/00 (2006.01) C07K 19/00 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **NOVEL HETERODIMERIC PROTEINS**
[54] **NOUVELLES PROTEINES HETERODIMERES**
[72] DESJARLAIS, JOHN, US
[72] MOORE, GREGORY, US
[72] RASHID, RUMANA, US
[72] BERNETT, MATTHEW J., US
[71] XENCOR, INC., US
[22] 2014-01-14
[41] 2014-07-17
[62] 2,898,100
[30] US (61/752,348) 2013-01-14
[30] US (61/764,954) 2013-02-14
[30] US (61/778,157) 2013-03-12
[30] US (61/780,334) 2013-03-13
[30] US (61/818,153) 2013-05-01
[30] US (61/818,410) 2013-05-01
[30] US (61/913,832) 2013-12-09
[30] US (61/913,870) 2013-12-09

[21] **3,211,886**
[13] A1
[25] EN
[54] **AUTO-INDEXING LANCE POSITIONER APPARATUS AND SYSTEM**
[54] **APPAREIL DE POSITIONNEMENT DE LANCE A INDEXAGE AUTOMATIQUE ET SYSTEME**
[72] SCHNEIDER, JOSEPH A., US
[72] MARKHAM, ADAM CHRISTOPHER, US
[72] HOWELL, SCOTT, US
[72] SZABO, DANIEL, US
[72] MONTOYA, CODY, US
[72] BARNES, JEFFERY R., US
[72] HANLEY, COOPER, US
[71] STONEAGE, INC., US
[22] 2020-10-20
[41] 2021-04-24
[62] 3,114,315
[30] US (16/662,762) 2019-10-24
[30] US (17/004,934) 2020-08-27

[21] **3,211,898**
[13] A1
[25] EN
[54] **A STORM WATER DRAIN SYSTEM AND COMPONENTS THEREOF AND METHODS OF USE**
[54] **SYSTEME D'EVACUATION DES EAUX D'ORAGE ET SES ELEMENTS ET PROCEDES D'UTILISATION**
[72] YEOMAN, GREGORY PAUL, NZ
[72] HANNAH, MICHAEL MORTON, NZ
[71] STORMWATER360 GROUP LIMITED, NZ
[22] 2018-11-23
[41] 2019-05-31
[62] 3,083,588
[30] NZ (737777) 2017-11-27

[21] **3,211,902**
[13] A1
[25] EN
[54] **BIODEGRADABLE LIPIDS FOR DELIVERY OF NUCLEIC ACIDS**
[54] **LIPIDES BIODEGRADABLES POUR L'ADMINISTRATION D'ACIDES NUCLEIQUES**
[72] DEROSA, FRANK, US
[72] HEARTLEIN, MICHAEL, US
[71] TRANSLATE BIO, INC., US
[22] 2015-05-29
[41] 2015-12-03
[62] 2,949,106
[30] US (62/005,266) 2014-05-30

[21] **3,211,904**
[13] A1
[25] EN
[54] **RESOURCE TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE RESSOURCE**
[72] THOMAS, STEFAN, US
[72] SCHWARTZ, EVAN, US
[71] RIPPLE LUXEMBOURG S.A., LU
[22] 2016-05-13
[41] 2016-11-20
[62] 2,930,045
[30] US (14/717,390) 2015-05-20

[21] **3,211,981**
[13] A1
[25] EN
[54] **MAJOR HISTOCOMPATIBILITY COMPLEX SINGLE NUCLEOTIDE POLYMORPHISMS**
[54] **POLYMORPHISME D'UN SEUL NUCLEOTIDE DU COMPLEXE MAJEUR D'HISTOCOMPATIBILITE**
[72] SAYER, DAVID CHARLES, AU
[72] HOGAN, HAYLEY MARIANNE, AU
[72] MERCOULIA, KAROLINA, AU
[71] ILLUMINA, INC., US
[22] 2014-10-15
[41] 2015-04-23
[62] 2,927,285
[30] AU (2013903971) 2013-10-15

[21] **3,211,982**
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[25] EN
[54] **AUTOMATED CONTROL-SCHEDULE ACQUISITION WITHIN AN INTELLIGENT CONTROLLER**
[54] **ACQUISITION AUTOMATISEE DE PROGRAMME DE COMMANDE DANS UN CONTROLEUR INTELLIGENT**
[72] MATSUOKA, YOKY, US
[72] LEE, ERIC A., US
[72] HALES, STEVEN A., US
[72] STEFANSKI, MARK D., US
[72] SHARAN, RANGOLI, US
[71] GOOGLE LLC, US
[22] 2012-09-30
[41] 2013-04-25
[62] 2,853,045
[30] US (61/550,346) 2011-10-21

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[51] **Int.Cl. G06Q 20/36 (2012.01) G06Q 20/06 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PERSONAL IDENTIFICATION AND VERIFICATION**
[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION ET DE VERIFICATION DES PERSONNES**
[72] ANDRADE, MARCUS, US
[71] BLACK GOLD COIN, INC., US
[22] 2015-11-14
[41] 2016-10-06
[62] 2,980,818
[30] EP (15161502.8) 2015-03-27
[30] US (14/940,142) 2015-11-12

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[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01) B65D 81/18 (2006.01) B65D 81/26 (2006.01)**
[25] EN
[54] **OXYGEN REDUCTION DISPOSABLE KITS, DEVICES AND METHODS OF USE THEREOF**
[54] **KITS JETABLES DE REDUCTION DES NIVEAUX D'OXYGENE, DISPOSITIFS ET PROCEDES D'UTILISATION DE CEUX-CI**
[72] WOLF, MICHAEL, US
[72] SARITA, JANCARLO, US
[72] SUTTON, JEFFREY KARL, US
[72] CORDERO, RAFAEL, US
[72] ZOCCHI, MICHAEL, US
[72] KEEGAN, PHILIP, US
[72] RENGANATHAN, NARENDRAN, US
[72] HARHEN, ROBERT, US
[71] HEMANEXT INC., US
[22] 2016-03-10
[41] 2016-09-15
[62] 2,978,940
[30] US (62/131,130) 2015-03-10

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[13] A1
[51] **Int.Cl. A61K 31/55 (2006.01) A61P 25/00 (2006.01) A61P 25/24 (2006.01) A61P 25/34 (2006.01)**
[25] EN
[54] **THERAPEUTIC USES OF IBOGAINE AND RELATED COMPOUNDS**
[54] **UTILISATIONS THERAPEUTIQUES DE L'IBOGAINE ET COMPOSES ASSOCIES**
[72] MAILLET, EMELINE, US
[72] FRIEDHOFF, LAWRENCE, US
[71] DEMERX, INC., US
[22] 2015-03-02
[41] 2015-09-11
[62] 2,978,537
[30] US (61/947,397) 2014-03-03
[30] US (61/952,724) 2014-03-13
[30] US (61/952,718) 2014-03-13
[30] US (61/952,743) 2014-03-13
[30] US (61/952,736) 2014-03-13
[30] US (61/952,740) 2014-03-13
[30] US (61/952,725) 2014-03-13
[30] US (62/049,968) 2014-09-12

[21] **3,212,005**
[13] A1
[25] EN
[54] **PREAMBLE SYMBOL GENERATION AND RECEIVING METHOD, AND FREQUENCY-DOMAIN SYMBOL GENERATION METHOD AND DEVICE**
[54] **PROCEDE DE GENERATION DE SYMBOLE DE PREAMBULE, PROCEDE DE RECEPTION DE SYMBOLE DE PREAMBULE, PROCEDE DE GENERATION DE SYMBOLE DE DOMAINE FREQUENTIEL, ET APPAREILS CORRESPONDANTS**
[72] ZHANG, WENJUN, CN
[72] HUANG, GE, CN
[72] XING, GUANBIN, CN
[72] XU, HONGLIANG, CN
[72] GUO, XUFENG, CN
[72] GUAN, YUNFENG, CN
[72] HE, DAZHI, CN
[71] SHANGHAI NATIONAL ENGINEERING RESEARCH CENTER OF DIGITAL TELEVISION CO., LTD., CN
[22] 2015-04-16
[41] 2015-10-22
[62] 2,945,856
[30] CN (201410153040.X) 2014-04-16
[30] CN (201410168180.4) 2014-04-24
[30] CN (201410175323.4) 2014-04-28
[30] CN (201410177035.2) 2014-04-29
[30] CN (201410182962.3) 2014-04-30
[30] CN (201410184919.0) 2014-05-04
[30] CN (201410185112.9) 2014-05-05
[30] CN (201410229558.7) 2014-05-28
[30] CN (201410259080.2) 2014-06-12
[30] CN (201410274626.1) 2014-06-19
[30] CN (201410326504.2) 2014-07-10
[30] CN (201410753506.X) 2014-12-10
[30] CN (201510039510.4) 2015-01-26
[30] CN (201510061935.5) 2015-01-30
[30] CN (201510052202.5) 2015-01-30
[30] CN (201510064118.5) 2015-02-06
[30] CN (201510076216.0) 2015-02-12
[30] CN (201510076151.X) 2015-02-12
[30] CN (201510076155.8) 2015-02-12

[21] **3,212,021**
[13] A1
[25] EN
[54] **CARTRIDGE, MEMBER CONSTITUTING CARTRIDGE, AND IMAGE FORMING APPARATUS**
[54] **CARTOUCHE, ELEMENT DE CONFIGURATION DE CARTOUCHE, ET DISPOSITIF DE FORM TION D'IMAGE**
[72] SATO, MASAAKI, JP
[72] KUBO, YUKIO, JP
[72] MUNETSUGU, HIROYUKI, JP
[72] WADA, KOJI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2015-11-27
[41] 2016-06-02
[62] 2,969,088
[30] JP (2014-242577) 2014-11-28
[30] JP (2014-242602) 2014-11-28
[30] JP (2014-242578) 2014-11-28
[30] JP (2014-242601) 2014-11-28
[30] JP (2015-231356) 2015-11-27

[21] **3,212,028**
[13] A1
[25] EN
[54] **METHODS AND COMPOSITIONS FOR CONCRETE PRODUCTION**
[54] **PROCEDES ET COMPOSITIONS PERMETTANT DE FABRIQUER DU BETON**
[72] MONKMAN, GEORGE SEAN, CA
[72] CAIL, KEVIN, US
[72] SANDBERG, PAUL J., US
[72] MACDONALD, MARK, CA
[72] BROWN, JOSHUA JEREMY, CA
[72] FORGERON, DEAN PAUL, CA
[71] CARBONCURE TECHNOLOGIES INC., CA
[22] 2015-11-24
[41] 2016-06-02
[62] 2,968,246
[30] US (62/083,784) 2014-11-24
[30] US (62/086,024) 2014-12-01
[30] US (62/096,018) 2014-12-23
[30] US (62/146,103) 2015-04-10
[30] US (14/701,456) 2015-04-30
[30] US (62/160,350) 2015-05-12
[30] US (62/165,670) 2015-05-22
[30] US (62/240,843) 2015-10-13

[21] **3,212,030**
[13] A1
[25] EN
[54] **TELEMATICS AUTHENTICATION**
[54] **AUTHENTIFICATION TELEMATIQUE**
[72] SLUSAR, MARK V., US
[71] ALLSTATE INSURANCE COMPANY, US
[22] 2017-02-03
[41] 2017-08-17
[62] 3,013,911
[30] US (15/018,184) 2016-02-08

[21] **3,212,036**
[13] A1
[25] EN
[54] **RUNNING TIGHT WITH PRECONFIGURED COMPRESSION ZONES AND INTEGRATED STRUCTURE PATTERNS**
[54] **COLLANTS DE COURSE COMPORTANT DES ZONES DE COMPRESSION CONCUES AU PREALABLE ET DES MOTIFS DE STRUCTURE INTEGRES**
[72] KEHLER, ALYSE, US
[72] MAHESHWARI, RICHA, US
[72] RANALLI, CHRIS, US
[72] STAUB, ANDREA J., US
[72] VAUGHAN, HEIDI, US
[71] NIKE INNOVATE C.V., US
[22] 2016-05-09
[41] 2016-12-01
[62] 2,985,616
[30] US (62/165,480) 2015-05-22

[21] **3,212,045**
[13] A1
[25] EN
[54] **METHODS AND SYSTEMS FOR MINIMIZING NOX AND CO EMISSIONS IN NATURAL DRAFT HEATERS**
[54] **PROCEDES ET SYSTEMES POUR MINIMISER LES EMISSIONS DE SO2 ET DE CO DANS LES RECHAUFFEURS DE TIRAGE NATUREL**
[72] CRAIG, JON, US
[72] LI, BRUCE, US
[72] PASI, RICK, US
[71] MARATHON PETROLEUM COMPANY LP, US
[22] 2020-05-29
[41] 2020-11-30
[62] 3,081,520
[30] US (62/854.372) 2019-05-30
[30] US (15/929,932) 2020-05-29

[21] **3,212,048**
[13] A1
[25] EN
[54] **METHODS AND SYSTEMS FOR MINIMIZING NOX AND CO EMISSIONS IN NATURAL DRAFT HEATERS**
[54] **PROCEDES ET SYSTEMES POUR MINIMISER LES EMISSIONS DE SO2 ET DE CO DANS LES RECHAUFFEURS DE TIRAGE NATUREL**
[72] CRAIG, JON, US
[72] LI, BRUCE, US
[72] PASI, RICK, US
[71] MARATHON PETROLEUM COMPANY LP, US
[22] 2020-05-29
[41] 2020-11-30
[62] 3,081,520
[30] US (62/854.372) 2019-05-30
[30] US (15/929,932) 2020-05-29

[21] **3,212,066**
[13] A1
[25] EN
[54] **MATERIAL TRANSFER SYSTEM FOR A BODY OF WATER**
[54] **SYSTEME DE TRANSFERT DU MATERIEL POUR UN PLAN D`EAU**
[72] SZOKE, SIMON, CA
[72] MACDONALD, SAM, CA
[72] PACZEK, LUCAS, CA
[72] ZELL, GRAHAM, CA
[72] HALLIDAY, DAVID, CA
[72] ZELL, PETER, CA
[72] ROBINSON, BRETT, CA
[71] SEA TO SKY ENERGY SOLUTIONS CORP., CA
[22] 2020-06-05
[41] 2020-12-12
[62] 3,082,546
[30] US (62/860771) 2019-06-12
[30] US (16/858580) 2020-04-25

[21] **3,212,070**
[13] A1
[25] FR
[54]
[54] **PROCEDE DE PREPARATION D'UN SOLIDE ALIMENTAIRE, SOLIDE ALIMENTAIRE COMPRENANT DU GLUCOMMANNANE DE KONJAC ET SON UTILISATION**
[72] SAMAIN, DANIEL FRANCOIS JEAN MARIE, FR
[71] SAMAIN, DANIEL FRANCOIS JEAN MARIE, FR
[22] 2020-03-13
[41] 2020-10-01
[62] 3,131,332
[30] FR (19 03114) 2019-03-26

[21] **3,212,124**
[13] A1
[25] EN
[54] **DISTRIBUTED COMPUTING IN A PROCESS CONTROL ENVIRONMENT**
[54] **CALCUL DISTRIBUE DANS UN ENVIRONNEMENT DE CONTROLE DE TRAITEMENT**
[72] MACHA, RAJA RAMANA, US
[72] KLING, ANDREW LEE DAVID, US
[72] CAMINO, NESTOR JESUS, JR., US
[72] LUTH, JAMES GERARD, US
[72] LINSCOTT, RICHARD LINWOOD, US
[71] INVENSYS SYSTEMS, INC., US
[22] 2016-04-26
[41] 2016-10-28
[62] 2,928,233
[30] US (14/697,866) 2015-04-28

[21] **3,212,126**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR TRAFFIC AGGREGATION ON MULTIPLE WAN BACKHAULS AND MULTIPLE DISTINCT LAN NETWORKS**
[54]
[72] CIOFFI, JOHN, US
[72] TEHRANI, ARDAVAN MALEKI, US
[72] RHEE, WONJONG, US
[72] BHAGAVATULA, RAMYA, US
[72] CHOW, PETER, US
[72] KERPEZ, KENNETH J., US
[72] GALLI, STEFANO, US
[72] GOLDBURG, MARC, US
[72] YUN, SUNGHO, US
[71] ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC., US
[22] 2011-12-05
[41] 2013-06-13
[62] 3,124,797

[21] **3,212,142**
[13] A1
[25] EN
[54] **ELECTRIC-POWERED, CLOSED-LOOP, CONTINUOUS-FEED, ENDOTHERMIC ENERGY-CONVERSION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE CONVERSION D'ENERGIE ENDOTHERMIQUE, A ALIMENTATION CONTINUE, A BOUCLE FERMEE, A COMMANDE ELECTRIQUE**
[72] REDEKER, MARTIN, US
[72] CARROLL, JOSEPH P., JR., US
[71] MONTAUK AG RENEWABLES, LLC, US
[22] 2018-06-14
[41] 2018-12-20
[62] 3,067,352
[30] US (62/519,213) 2017-06-14

[21] **3,212,147**
[13] A1
[25] EN
[54] **MUTANT PORE**
[54] **PORE MUTANT**
[72] JAYASINGHE, LAKMAL, GB
[72] BRUCE, MARK, GB
[72] MCNEILL, LUKE, GB
[72] NATHANI, RAMIZ IQBAL, GB
[72] SINGH, PRATIK RAJ, GB
[72] WOOD, NEIL ROGER, GB
[72] YOUNG, STEPHEN ROBERT, GB
[71] OXFORD NANOPORE TECHNOLOGIES PLC, GB
[22] 2017-04-06
[41] 2017-10-12
[62] 3,020,203
[30] GB (1605899.2) 2016-04-06
[30] GB (1608274.5) 2016-05-11

[21] **3,212,157**
[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01) C07K 16/28 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODY CONSTRUCTS BINDING DLL3 AND CD3**
[54] **CONSTRUCTIONS D'ANTICORPS BISPECIFIQUES SE LIANT A DLL3 ET A CD3**
[72] RAUM, TOBIAS, DE
[72] KUFER, PETER, DE
[72] PENDZIALEK, JOCHEN, DE
[72] BLUEMEL, CLAUDIA, DE
[72] DAHLHOFF, CHRISTOPH, DE
[72] HOFFMANN, PATRICK, DE
[72] LUTTERBUESE, RALF, DE
[72] NAHRWOLD, ELISABETH, DE
[71] AMGEN RESEARCH (MUNICH) GMBH, DE
[22] 2016-08-01
[41] 2017-02-09
[62] 2,986,848
[30] US (62/199,930) 2015-07-31
[30] US (62/290,896) 2016-02-03

[21] **3,212,162**
[13] A1
[25] EN
[54] **INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING METHOD**
[54] **APPAREIL DE TRAITEMENT DE L'INFORMATION ET METHODE DE TRAITEMENT DE L'INFORMATION**
[72] HIRABAYASHI, MITSUHIRO, JP
[72] YAMAMOTO, YUKI, JP
[72] CHINEN, TORU, JP
[72] SHI, RUNYU, JP
[71] SONY CORPORATION, JP
[22] 2015-06-30
[41] 2016-01-07
[62] 2,953,242
[30] JP (2014-134878) 2014-06-30
[30] JP (2015-107970) 2015-05-27
[30] JP (2015-109838) 2015-05-29
[30] JP (2015-119359) 2015-06-12
[30] JP (2015-121336) 2015-06-16
[30] JP (2015-124453) 2015-06-22

[21] **3,212,170**
[13] A1
[51] **Int.Cl. A61K 31/216 (2006.01) A61K 31/24 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **NOVEL HIGH PENETRATION DRUGS AND THEIR COMPOSITIONS THEREOF FOR TREATMENT OF PARKINSON DISEASES**
[54] **NOUVEAUX MEDICAMENTS A PENETRATION ELEVEE ET LEURS COMPOSITIONS POUR LE TRAITEMENT DE MALADIES DE PARKINSON**
[72] YU, CHONGXI, US
[72] XU, LINA, CN
[71] TECHFIELDS PHARMA CO., LTD., CN
[71] YU, CHONGXI, US
[22] 2013-03-15
[41] 2014-09-18
[62] 2,917,145

[21] **3,212,176**
[13] A1
[25] EN
[54] **WIRELESS POSITION SENSOR ASSEMBLY FOR A ROTATING ACTUATOR**
[54] **ENSEMBLE CAPTEUR DE POSITION SANS FIL DESTINE A UN ACTIONNEUR ROTATIF**
[72] WIMMER, JASON P., US
[72] CANE, JASON A., US
[71] NORTEK SECURITY & CONTROL LLC, US
[22] 2016-06-02
[41] 2016-12-08
[62] 2,988,125
[30] US (62/170,082) 2015-06-02
[30] US (62/318,033) 2016-04-04

[21] **3,212,177**
[13] A1
[25] EN
[54] **LED BULB ADAPTERS AND METHODS OF RETROFITTING LED BULBS**
[54] **ADAPTATEURS D'AMPOULE A DEL ET PROCEDES DE RATTRAPAGE D'AMPOULES A DEL**
[72] BYRON, DAVID MICHAEL, CA
[72] TEMPORAO, JOSEPH ANTONIO JOSE, CA
[71] INTELLIGENT LIGHTING TECHNOLOGIES INC., CA
[22] 2015-11-11
[41] 2016-05-19
[62] 2,967,550
[30] US (62/078,161) 2014-11-11

[21] **3,212,191**
[13] A1
[25] EN
[54] **METHODS FOR DOSE INITIATION OF ARIPIPRAZOLE TREATMENTS**
[54] **PROCEDES D'INITIATION DE DOSE DE TRAITEMENTS D'ARIPIPRAZOLE**
[72] HARLIN, MATTHEW, JP
[72] WANG, XIAOFENG, JP
[72] WANG, YANLIN, JP
[72] RAOUFINIA, ARASH, JP
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
[22] 2021-04-01
[41] 2021-10-07
[62] 3,163,321
[30] US (63/003,544) 2020-04-01

[21] **3,212,215**
[13] A1
[25] EN
[54] **SYNERGISTIC BACTERIAL COMPOSITIONS AND METHODS OF PRODUCTION AND USE THEREOF**
[54] **COMPOSITIONS BACTERIENNES SYNERGIQUES ET LEURS PROCEDES DE PRODUCTION ET D'UTILISATION**
[72] VON MALTZAHN, GEOFFREY, US
[72] HENN, MATTHEW R., US
[72] D'ONOFRIO, ANTHONY MARIO, US
[72] LITCOFSKY, KEVIN DANIEL, US
[72] BERRY, DAVID A., US
[72] COOK, DAVID, US
[72] AFEYAN, NOUBAR B., US
[72] AUNINS, JOHN G., US
[71] SERES THERAPEUTICS, INC., US
[22] 2013-11-25
[41] 2014-05-30
[62] 2,892,297
[30] US (61/729,519) 2012-11-23
[30] US (61/729,515) 2012-11-23
[30] US (61/729,520) 2012-11-23
[30] US (61/729,526) 2012-11-23
[30] US (61/729,517) 2012-11-23
[30] US (61/729,518) 2012-11-23
[30] US (61/729,527) 2012-11-23
[30] US (61/729,524) 2012-11-23
[30] US (61/729,525) 2012-11-23
[30] US (61/729,522) 2012-11-23
[30] US (61/729,521) 2012-11-23

[21] **3,212,242**
[13] A1
[25] EN
[54] **LINER ASSEMBLY FOR PIPELINES AND RELATED METHOD**
[54] **ENSEMBLE DE DOUBLURE POUR PIPELINES ET PROCEDE ASSOCIE**
[72] CORNEIL, PAUL, CA
[72] DUXBURY, GRANT, CA
[72] MANNERS, CAMERON, CA
[71] NU FLOW TECHNOLOGIES 2000 INC., CA
[22] 2019-05-23
[41] 2019-11-28
[62] 3,096,558
[30] US (62/675,750) 2018-05-23
[30] US (62/678,527) 2018-05-31
[30] US (62/808,210) 2019-02-20

[21] **3,212,243**
[13] A1
[25] EN
[54] **SOFT ABSORBENT SHEETS, STRUCTURING FABRICS FOR MAKING SOFT ABSORBENT SHEETS, AND METHODS OF MAKING SOFT ABSORBENT SHEETS**
[54] **FEUILLES ABSORBANTES DOUCES, TISSUS STRUCTURANTS POUR LA FABRICATION DE FEUILLES ABSORBANTES DOUCES, ET PROCEDES DE FABRICATION DE FEUILLES ABSORBANTES DOUCES**
[72] SZE, DANIEL HUE MING, US
[72] FAN, XIAOLIN, US
[72] CHOU, HUNG-LIANG, US
[72] ORIARAN, TAIYE PHILIPS, US
[72] ANAND, FARMINDER SINGH, US
[72] BAUMGARTNER, DEAN JOSEPH, US
[72] MILLER, JOSEPH HENRY, US
[71] GPCP IP HOLDINGS LLC, US
[22] 2016-06-08
[41] 2016-12-15
[62] 3,168,744
[30] US (62/172,659) 2015-06-08
[30] US (15/175,949) 2016-06-07

[21] **3,212,247**
[13] A1
[25] EN
[54] **LINER ASSEMBLY FOR PIPELINES AND RELATED METHOD**
[54] **ENSEMBLE DE DOUBLURE POUR PIPELINES ET PROCEDE ASSOCIE**
[72] CORNEIL, PAUL, CA
[72] DUXBURY, GRANT, CA
[72] MANNERS, CAMERON, CA
[71] NU FLOW TECHNOLOGIES 2000 INC., CA
[22] 2019-05-23
[41] 2019-11-28
[62] 3,096,558
[30] US (62/675,750) 2018-05-23
[30] US (62/678,527) 2018-05-31
[30] US (62/808,210) 2019-02-20

[21] **3,212,301**
[13] A1
[51] **Int.Cl. C12N 5/073 (2010.01) C12N 5/071 (2010.01) C07K 14/62 (2006.01) C12M 3/06 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **CELL COMPOSITIONS DERIVED FROM DEDIFFERENTIATED REPROGRAMMED CELLS**
[54] **COMPOSITIONS CELLULAIRES ISSUES DE CELLULES REPROGRAMMEES DEDIFFERENCIEES**
[72] AGULNICK, ALAN D., US
[72] KELLY, OLIVIA, US
[72] OHI, YUKI, US
[72] ROBINS, ALLAN, US
[72] SCHULTZ, THOMAS, US
[71] VIACYTE, INC., US
[22] 2014-02-06
[41] 2014-08-14
[62] 2,898,431
[30] US (13/761,078) 2013-02-06

[21] **3,212,302**
[13] A1
[25] EN
[54] **DOOR MOVEMENT SYSTEM FOR CABINET**
[54] **SYSTEME DE MOUVEMENT DE PORTE POUR UNE ARMOIRE**
[72] LESSARD, CAROL, US
[72] MICHALKO, KELLY, US
[71] CARTER HOFFMANN, LLC, US
[22] 2021-04-22
[41] 2021-11-04
[62] 3,159,074
[30] US (63/015,931) 2020-04-27
[30] US (63/159,175) 2021-03-10

[21] **3,212,313**
[13] A1
[25] EN
[54] **SOLID FORMS OF TREPROSTINIL**
[54] **FORMES SOLIDES DE TREPROSTINIL**
[72] PHARES, KENNETH, US
[72] SCANNELL, MICHAEL, US
[71] UNITED THERAPEUTICS CORPORATION, US
[22] 2014-03-07
[41] 2014-10-02
[62] 3,125,504
[30] US (61/781,303) 2013-03-14

[21] **3,212,331**
[13] A1
[25] EN
[54] **DEVICES AND METHODS FOR FLUID TRANSFER THROUGH A PLACED PERIPHERAL INTRAVENOUS CATHETER**
[54] **DISPOSITIFS ET PROCEDES DE TRANSFERT DE FLUIDE A TRAVERS UN CATHETER INTRAVEINEUX PERIPHERIQUE POSE**
[72] DEVGON, PITAMBER, US
[72] EHRENREICH, KEVIN J., US
[72] BRIGANTI, RICHARD THOMAS, US
[71] VELANO VASCULAR, INC., US
[22] 2017-02-03
[41] 2017-08-10
[62] 3,013,460
[30] US (15/014,834) 2016-02-03

[21] **3,212,334**
[13] A1
[25] EN
[54] **SOFT ABSORBENT SHEETS, STRUCTURING FABRICS FOR MAKING SOFT ABSORBENT SHEETS, AND METHODS OF MAKING SOFT ABSORBENT SHEETS**
[54]
[72] SZE, DANIEL HUE MING, US
[72] FAN, XIAOLIN, US
[72] CHOU, HUNG-LIANG, US
[72] ORIARAN, TAIYE PHILIPS, US
[72] ANAND, FARMINDER SINGH, US
[72] BAUMGARTNER, DEAN JOSEPH, US
[72] MILLER, JOSEPH HENRY, US
[71] GPCP IP HOLDINGS LLC, US
[22] 2016-06-08
[41] 2016-12-15
[62] 3,168,744
[30] US (62/172,659) 2015-06-08
[30] US (15/175,949) 2016-06-07

[21] **3,212,376**
[13] A1
[25] EN
[54] **SUSPENSION PRE-LOAD ADJUSTMENT SYSTEM**
[54] **SYSTEME DE REGLAGE DE PRECHARGE DE SUSPENSION**
[72] STEINMETZ, GORDON J., US
[72] GRAUS, JONATHON P., US
[72] HELGESON, DAVID D., US
[71] POLARIS INDUSTRIES INC., US
[22] 2019-10-28
[41] 2020-05-07
[62] 3,117,793
[30] US (16/173,249) 2018-10-29

[21] **3,212,390**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR LOCATION-BASED APPLICATION MANAGEMENT**
[54] **SYSTEMES ET PROCEDES DESTINES A UNE GESTION D'APPLICATION BASEE SUR LA LOCALISATION**
[72] JAIN, SIDHARTH, US
[72] KALE, PRASAN, US
[71] RISE BUILDINGS, LLC, US
[22] 2018-09-26
[41] 2019-04-04
[62] 3,077,047
[30] US (62/563,301) 2017-09-26

[21] **3,212,420**
[13] A1
[25] EN
[54] **AIRCRAFT LANDING GEAR ASSEMBLY**
[54] **DISPOSITIF DE TRAIN D'ATTERRISSAGE D'UN AERONEF**
[72] SCHMIDT, ROBERT KYLE, GB
[72] PRICE, NEIL, GB
[71] SAFRAN LANDING SYSTEMS UK LIMITED, GB
[22] 2018-04-17
[41] 2018-10-20
[62] 3,002,051
[30] EP (17167352.8) 2017-04-20

[21] **3,212,438**
[13] A1
[25] EN
[54] **MULTI-USE BLOOD CONTROL SAFETY CATHETER ASSEMBLY**
[54] **ENSEMBLE CATHETER A SECURITE DE REGULATION SANGUINE MULTI-USAGE**
[72] HARDING, WESTON, US
[72] SHEVGOOR, SIDDARTH, US
[72] TRAINER, LAWRENCE, US
[72] MA, YIPING, US
[72] BALASUBRAMANIAN, SIVARAMAKRISHNAN, US
[72] DOWNIE, PATRICK, US
[72] BURKHOLZ, JON, US
[72] ISAACSON, SHAWN, US
[72] O'BRYAN, JEFF, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2016-04-15
[41] 2016-10-20
[62] 2,982,402
[30] US (PCT/US2015/026534) 2015-04-17
[30] US (PCT/US2015/026536) 2015-04-17
[30] US (PCT/US2015/026542) 2015-04-17

[21] **3,212,479**
[13] A1
[25] EN
[54] **COMPRESSION ROLLER DEVICE**
[54] **DISPOSITIF DE ROULEAU DE COMPRESSION**
[72] OATES, MICHAEL JOHN, US
[72] HALLEY, BRADLEY KAREL, US
[72] RUDISILL, REUBEN C., US
[72] PRUITT, JOSEPH, US
[72] GORDON, BLAKE EDWARD, US
[72] MATA, JOSE MANUEL GAMBOA, US
[71] HUBER ENGINEERED WOODS LLC, US
[22] 2018-01-03
[41] 2019-04-06
[62] 2,990,916
[30] US (62/568,994) 2017-10-06

[21] **3,212,484**
[13] A1
[25] EN
[54] **IMPLANTS WITH GROOVE PATTERNS AND SOFT TISSUE ATTACHMENT FEATURES**
[54] **IMPLANTS DOTES DE MOTIFS EN FORME DE RAINURES ET D'ELEMENTS DE FIXATION AUX TISSUS MOUS**
[72] JURICK, JOSEPH W., US
[72] ZIMMERMAN, SARAH L., US
[72] STALCUP, GREGORY C., US
[72] NEBOSKY, PAUL S., US
[71] SMED-TA/TD, LLC, US
[22] 2015-11-06
[41] 2016-05-12
[62] 2,961,929
[30] US (62/076,901) 2014-11-07

[21] **3,212,539**
[13] A1
[25] EN
[54] **COVERAGE ENHANCEMENTS FOR PHYSICAL BROADCAST CHANNEL (PBCH)**
[54] **AMELIORATIONS DE COUVERTURE POUR UN CANAL PHYSIQUE DE DIFFUSION (PBCH)**
[72] XU, HAO, US
[72] CHEN, WANSHI, US
[72] JI, TINGFANG, US
[71] QUALCOMM INCORPORATED, US
[22] 2014-09-18
[41] 2015-03-26
[62] 2,920,904
[30] US (61/879,634) 2013-09-18
[30] US (14/489,146) 2014-09-17

[21] **3,212,560**
[13] A1
[25] EN
[54] **DISTRIBUTING PAYMENT KEYS AMONG MULTIPLE DISCRETE DEVICES IN A POINT OF SALE SYSTEM**
[54] **DISTRIBUTION DE CLES DE PAIEMENT PARMI PLUSIEURS DISPOSITIFS DISCRETS DANS UN SYSTEME DE POINT DE VENTE**
[72] MURRAY, BRIAN JEREMIAH, US
[71] CLOVER NETWORK, LLC, US
[22] 2018-01-30
[41] 2019-02-24
[62] 2,993,743
[30] US (15/685,809) 2017-08-24

[21] **3,212,565**
[13] A1
[25] EN
[54] **EXPRESSION SEQUENCES**
[54]
[72] GASSER, BRIGITTE, AT
[72] MATTANOVICH, DIETHARD, AT
[72] HEISS, SILVIA, AT
[71] LONZA LTD., CH
[22] 2013-10-29
[41] 2014-05-08
[62] 2,886,460
[30] EP (12190361.1) 2012-10-29

[21] **3,212,581**
[13] A1
[25] EN
[54] **METHOD AND SYSTEM FOR OBTAINING LOCATION INFORMATION REGARDING A DEVICE IN A WIRELESS NETWORK**
[54] **PROCEDE ET SYSTEME DESTINES A OBTENIR DES INFORMATIONS D'EMPLACEMENT QUI SE RAPPORTENT A UN DISPOSITIF DANS UN RESEAU SANS FIL**
[72] SIDDELEY, EDWARD, CA
[72] FERNANDES, FRANCIS, CA
[71] BCE INC., CA
[22] 2010-12-21
[41] 2011-06-30
[62] 3,091,408
[30] US (61/288,681) 2009-12-21

[21] **3,212,588**
[13] A1
[25] EN
[54] **INTEGRATED CEILING AND LIGHT SYSTEM**
[54] **SYSTEME INTEGRE DE PLAFOND ET D'ECLAIRAGE**
[72] OLESKE, PETER J., US
[72] SPRINGER, BRIAN L., US
[72] JASKIERSKI, ANTHONY J., US
[72] BERGMAN, TODD M., US
[72] KOGER, KEITH A., US
[72] GAYDOS, CHRISTOPHER D., US
[72] DESANTIS, CRAIG W., US
[72] MYERS, JERE W., US
[72] VAN DORE, JONATHAN P., US
[72] VERNAU, G. DOUGLAS, US
[72] KEHRER, KENNETH P., US
[72] HOUGH, PAUL A., US
[72] DESHPANDE, RAVINDRA, US
[71] ARMSTRONG WORLD INDUSTRIES, INC, US
[22] 2015-12-17
[41] 2016-06-23
[62] 2,971,595
[30] US (62/093,693) 2014-12-18
[30] US (62/093,685) 2014-12-18
[30] US (62/093,676) 2014-12-18
[30] US (62/093,699) 2014-12-18
[30] US (62/093,707) 2014-12-18
[30] US (62/093,716) 2014-12-18

[21] **3,212,656**
[13] A1
[25] EN
[54] **METHODS FOR ENHANCED FOOD SAFETY FOR FOOD STORAGE AND PREPARATION**
[54] **PROCEDES PERMETTANT D'AMELIORER L'HYGIENE ALIMENTAIRE LORS DU STOCKAGE ET DE LA PREPARATION D'ALIMENTS**
[72] DUCKETT, JEANNE, US
[71] AVERY DENNISON RETAIL INFORMATION SERVICES LLC, US
[22] 2020-05-14
[41] 2020-11-26
[62] 3,140,422
[30] US (62/849,351) 2019-05-17

[21] **3,212,677**
[13] A1
[25] EN
[54] **DEVICE AND METHOD FOR REINFORCEMENT OF A FACET**
[54] **DISPOSITIF ET PROCEDE POUR LE RENFORCEMENT D'UNE FACETTE**
[72] NEWTON, CHRISTOPHER, US
[72] BLAIN, JASON, US
[72] MARTIN, GREGORY, US
[71] SPINAL ELEMENTS, INC., US
[22] 2014-09-19
[41] 2015-04-02
[62] 2,923,623
[30] US (61/883,960) 2013-09-27
[30] US (14/274,575) 2014-05-09

[21] **3,212,686**
[13] A1
[25] EN
[54] **DETECTION AND QUANTIFICATION OF ACETYLAMANTADINE IN URINE SAMPLES**
[54] **DETECTION ET QUANTIFICATION DE L'ACETYLAMANTADINE CONTENUE DANS DES ECHANTILLONS D'URINE**
[72] GORDON, REUVEN, CA
[72] CHENG, BRIAN, US
[72] BUX, RASHID, CA
[72] RAMJIAWAN, BRAM, CA
[72] AHMED, AFTAB, CA
[72] HOF, FRASER ALAN, CA
[71] BIOMARK TECHNOLOGIES INC., CA
[22] 2014-03-14
[41] 2014-09-18
[62] 2,906,236
[30] US (61/785,159) 2013-03-14

[21] **3,212,688**
[13] A1
[25] EN
[54] **GASIFIED SOLUTIONS WITH IMPROVED SENSORY PROPERTIES**
[54] **SOLUTIONS GAZEIFIEES PRESENTANT DES PROPRIETES SENSORIELLES AMELIOREES**
[72] GASPARD, DAN S., US
[72] MARASCO, ERIN KATHLEEN, US
[72] SARANGAPANI, RAMA KRISHNA, US
[72] ZARTH, ADAM T., US
[71] CARGILL, INCORPORATED, US
[22] 2020-04-06
[41] 2020-10-15
[62] 3,136,133
[30] US (62/830,443) 2019-04-06
[30] US (62/832,250) 2019-04-10

[21] **3,212,695**
[13] A1
[25] EN
[54] **GASIFIED SOLUTIONS WITH IMPROVED SENSORY PROPERTIES**
[54] **SOLUTIONS GAZEIFIEES PRESENTANT DES PROPRIETES SENSORIELLES AMELIOREES**
[72] GASPARD, DAN S., US
[72] MARASCO, ERIN KATHLEEN, US
[72] SARANGAPANI, RAMA KRISHNA, US
[72] ZARTH, ADAM T., US
[71] CARGILL, INCORPORATED, US
[71] CARGILL, INCORPORATED, US
[22] 2020-04-06
[41] 2020-10-15
[62] 3,136,133
[30] US (62/830,443) 2019-04-06
[30] US (62/832,250) 2019-04-10

[21] **3,212,718**
[13] A1
[25] EN
[54] **HEAVY OIL UPGRADE PROCESS INCLUDING RECOVERY OF SPENT CATALYST**
[54] **PROCEDE DE VALORISATION DU PETROLE LOURD COMPRENANT LA RECUPERATION DE CATALYSEUR USE**
[72] ODUEYUNGBO, SEYI A., US
[72] SHAH, LALIT S., US
[72] POWERS, CHRISTOPHER A., US
[72] STOY, JAMES R., US
[72] BRENT, FRED D., US
[72] REYNOLDS, BRUCE E., US
[72] DA COSTA, ANDRE R., US
[72] BRYAN, PAUL F., US
[71] CHEVRON USA INC., US
[22] 2008-12-19
[41] 2009-07-09
[62] 3,089,421
[30] US (12/004014) 2007-12-20
[30] US (12/004015) 2007-12-20

[21] **3,212,764**
[13] A1
[25] EN
[54] **COVERAGE ENHANCEMENTS FOR PHYSICAL BROADCAST CHANNEL (PBCH)**
[54]
[72] XU, HAO, US
[72] CHEN, WANSHI, US
[72] JI, TINGFANG, US
[71] QUALCOMM INCORPORATED, US
[22] 2014-09-18
[41] 2015-03-26
[62] 2,920,904
[30] US (61/879,634) 2013-09-18
[30] US (14/489,146) 2014-09-17

[21] **3,212,772**
[13] A1
[25] EN
[54] **SYNERGISTIC BACTERIAL COMPOSITIONS AND METHODS OF PRODUCTION AND USE THEREOF**
[54] **COMPOSITIONS BACTERIENNES SYNERGIQUES ET LEURS PROCEDES DE PRODUCTION ET D'UTILISATION**
[72] VON MALTZAHN, GEOFFREY, US
[72] HENN, MATTHEW R., US
[72] D'ONOFRIO, ANTHONY MARIO, US
[72] LITCOFSKY, KEVIN DANIEL, US
[72] BERRY, DAVID A., US
[72] COOK, DAVID, US
[72] AFEYAN, NOUBAR B., US
[72] AUNINS, JOHN G., US
[71] SERES THERAPEUTICS, INC., US
[22] 2013-11-25
[41] 2014-05-30
[62] 2,892,297
[30] US (61/729,519) 2012-11-23
[30] US (61/729,515) 2012-11-23
[30] US (61/729,520) 2012-11-23
[30] US (61/729,526) 2012-11-23
[30] US (61/729,517) 2012-11-23
[30] US (61/729,518) 2012-11-23
[30] US (61/729,527) 2012-11-23
[30] US (61/729,524) 2012-11-23
[30] US (61/729,525) 2012-11-23
[30] US (61/729,522) 2012-11-23
[30] US (61/729,521) 2012-11-23

[21] **3,212,857**
[13] A1
[25] EN
[54] **METHODS AND COMPOSITIONS FOR AFFECTING THE FLAVOR AND AROMA PROFILE OF CONSUMABLES**
[54] **PROCEDES ET COMPOSITIONS POUR MODIFIER LE PROFIL DE SAVEUR ET D'AROME DE CONSOMMABLES**
[72] FRASER, RACHEL, US
[72] BROWN, PATRICK O'REILLY, US
[72] KARR, JESSICA, US
[72] HOLZ-SCHIETINGER, CELESTE, US
[72] COHN, ELYSIA, US
[71] IMPOSSIBLE FOODS INC., US
[22] 2014-01-13
[41] 2014-07-17
[62] 2,897,600
[30] US (61/751,816) 2013-01-11
[30] US (13/941,211) 2013-07-12
[30] US (61/908,634) 2013-11-25

[21] **3,212,909**
[13] A1
[25] EN
[54] **APPARATUS AND METHOD OF FOCUSED IN-SITU ELECTRICAL HEATING OF HYDROCARBON BEARING FORMATIONS**
[54] **APPAREIL ET PROCEDE DE CHAUFFAGE ELECTRIQUE IN SITU CONCENTRE DE FORMATIONS CONTENANT DES HYDROCARBURES**
[72] YELUNDUR, RAMA RAU, US
[71] YELUNDUR, RAMA RAU, US
[22] 2016-04-04
[41] 2016-10-06
[62] 2,981,594
[30] US (62/178,148) 2015-04-03

Index of Canadian Patents Issued

October 3, 2023

Index des brevets canadiens délivrés

3 octobre 2023

10353744 CANADA LTD. 3,024,736
10353744 CANADA LTD. 3,154,893
2765397 ONTARIO INC. 2,941,068
2SEVENTY BIO, INC. 2,951,044
3M INNOVATIVE PROPERTIES COMPANY 2,996,213
6 OVER 6 VISION LTD. 2,985,318
6TH WAVE INNOVATIONS CORP. 2,993,292
7260297 MANITOBA LTD. 3,076,656
9151-1626 QUEBEC INC. 2,973,269
A, JEEVA RAJ 3,111,628
A, JEEVA RAJ 3,111,679
A, PRADEEP WILLIAM 3,101,286
AAN MEDICAL LIMITED 2,976,856
AARRE, VICTOR 2,893,718
AARTS, KEES WILHELMUS PETRUS 3,141,506
ABB SCHWEIZ AG 3,117,394
ABB SCHWEIZ AG 3,152,897
ABB SCHWEIZ AG 3,177,095
ABBISKO THERAPEUTICS CO., LTD. 3,103,335
ABBOTT LABORATORIES 3,090,800
ABE, YUKI 3,096,355
ABELLO, BENOIT 3,124,964
ABLABUTYAN, KARAPET 3,067,016
ABLOY OY 3,055,873
ABRAHAM, MARIO 3,000,592
ABRAHAMI, NADAV 2,904,813
ABRY, HERVE 3,070,266
ACCELERON PHARMA INC. 2,962,197
ACCURATE MEDICAL THERAPEUTICS LTD. 2,978,394
ACE SPECIALTIES, INC. 3,105,929
ACETO, NICHOLAS 3,106,303
ACHKAR, JACQUELINE MICHELE 2,902,068
ACKROYD, JAMES EDWARD 2,926,324
ACOSTA-RAMIREZ, HUGO 2,943,314
ADAMS, ERIC EDWARD 2,995,469
ADDA, SERGE 2,997,495
ADVANCED ACCESS TECHNOLOGIES LLC 3,115,591
ADVANCED BUILDING PRODUCTS, INC. 3,140,670
AEGEA BIOTECHNOLOGIES, INC. 2,905,527
AFINITI, LTD. 3,032,490
AFL TELECOMMUNICATIONS LLC 2,973,826
AFL TELECOMMUNICATIONS LLC 3,048,873
AGCO DO BRASIL SOLUCOES AGRICOLAS LTDA 2,985,024
AGCO INTERNATIONAL GMBH 2,985,024
AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH 3,050,700
AGHABABAZADEH, MAJID 2,950,335
AGILEX FLAVORS & FRAGRANCES, INC. 2,992,601
AGIOS PHARMACEUTICALS, INC. 2,989,111
AGRESTA, SAMUEL V. 2,989,111
AHEARN, KEVIN 3,045,522
AHEARN, KEVIN 3,056,894
AHEARN, KEVIN 3,061,181
AHEARN, KEVIN 3,071,407
AHEARN, KEVIN 3,080,961
AHLSTONE, ARTHUR DERBY 3,131,885
AHN, HYUN KWON 3,167,167
AHN, TAE HYO 3,167,167
AHN, YOUNG GIL 3,130,456
AIKALA, LARS 3,079,298
AKAMARA THERAPEUTICS, INC. 2,915,357
AKHAVAIN MOHAMMADI, MEHDI ARASHMID 2,984,692
AKHMETOV, SERGEY 3,012,163
AKKARAWITTAYAPOOM, SOMCHAI 2,984,720
AL-ZOUBI, KHALDOON 2,984,692
ALASKA NATIVE TRIBAL HEALTH CONSORTIUM 3,110,361
ALBARET, MARIE ALEXANDRA 2,959,671
ALBERT EINSTEIN COLLEGE OF MEDICINE, INC. 2,902,068
ALBERT, JEFFREY S. 2,994,478
ALBERT, VICTOR V. 2,993,006
ALBIZURI, ANDER 2,957,050
ALBRECHT, ETHAN 3,122,521
ALBRECHT, SABINE 2,954,290
ALCLEAR, LLC 3,071,438
ALCON INC. 2,949,503
ALCON INC. 3,000,592
ALCON INC. 3,091,154
ALERE TECHNOLOGIES GMBH 2,937,832
ALEXION PHARMACEUTICALS, INC. 2,810,999
ALFA LAVAL CORPORATE AB 3,123,470
ALGAHEALTH (AH) LTD. 2,996,386
ALLBUTT, BRYAN 3,099,501
ALLEN, CLAUDINE 2,983,656
ALLEN, JOHN A. 2,961,876
ALLEN, JOSHUA E. 2,975,476
ALLEN, MICHAEL EUGENE 3,033,870
ALLEN, ROBERT C. 2,949,268
ALLEN, SHELLEY 3,110,502
ALLEN, THOMAS 3,045,522
ALLEN, THOMAS 3,056,894
ALLEN, THOMAS 3,061,181
ALLEN, THOMAS 3,071,407
ALLEN, THOMAS 3,080,961
ALLEY, CHRISTOPHER M. 3,049,071
ALLINGTON, CHRISTOPHER JAMES 2,957,642
ALLSTATE INSURANCE COMPANY 3,034,441
ALMATECH SA 3,001,804
ALTEOGEN, INC. 3,096,982
ALTIUM PACKAGING LP 3,117,896
ALTMARK, NIR 2,985,318
ALUR, HEMANT H. 2,993,012
AMAR, KEREN-OR 2,951,984
AMAZON TECHNOLOGIES, INC. 2,990,018
AMEND, JOHN RICHARD 3,056,894
AMEND, JOHN RICHARD, JR. 3,061,181
AMEND, JOHN RICHARD, JR. 3,071,407
AMEND, JOHN RICHARD, JR. 3,080,961
AMEND, THOMAS ALOISIUS VALENTINUS 2,994,609
AMERICAN CHEMET CORPORATION 3,009,652
AMGEN INC. 2,954,290
AMGEN INC. 2,954,773
AMI ATTACHMENTS INC. 3,018,575
AMOUZEGH, PATRICIA LEONIE 2,977,588
AMPHENOL CORPORATION 2,960,197
AMPHIVENA THERAPEUTICS, INC. 2,953,992
AMPOLINI, FREDERIC PHILIPPE 2,992,941
AMPOLINI, FREDERIC PHILIPPE 2,993,643
AN, HWI KYEONG 3,116,388
ANAERGIA INC. 2,966,936
ANCHOR BALLOON, INC. 3,117,951
ANCHORA MEDICAL LTD. 2,952,362
ANDERSON, BRETTON E. 3,018,601
ANDERSON, DANIEL D. 2,981,181
ANDERSON, JOHN 2,982,532
ANDERSON, SHARON, K. 3,066,370
ANDRES GIL, JOSE IGNACIO 2,960,972
ANDRIEUX, MARC JEAN-MARIE 2,820,282
ANDRITZ OY 3,020,199
ANGIBAUD, PATRICK RENE 2,996,989

Index des brevets canadiens délivrés
3 octobre 2023

ANGONESI, LUCIANA GARCIA 2,934,722
ANSARI, AASIF 2,915,357
ANSLYN, ERIC V. 2,961,493
ANTON OILFIELD SERVICES (GROUP) LTD. 3,108,213
APEIRON BIOLOGICS AG 2,977,588
APONTE LUIS, JUAN 2,925,085
APPIERTO, VALENTINA 2,961,275
APPLEGATE, DANIEL 3,117,896
AQUATECH INTERNATIONAL, LLC 2,983,645
ARAGONEZ, CHRISTIAN 3,096,572
ARAKAWA, MOTOHIRO 3,067,984
ARAVANIS, ALEX 2,950,335
ARBELBIDE, MARTIN 3,166,841
ARBELBIDE, MARTIN 3,166,866
ARBELBIDE, MARTIN 3,166,870
ARBESMAN, RAY 2,952,340
ARBESMAN, RAY 3,048,953
ARCELORMITTAL 3,006,326
ARCH CANCER THERAPEUTICS, INC. 2,939,266
ARCH WOOD PROTECTION, INC. 2,947,590
ARCHER DANIELS MIDLAND COMPANY 2,970,666
AREVA NP SAS 2,981,129
ARIANEGROUP SAS 3,002,612
ARIDIS PHARMACEUTICALS, INC. 2,857,423
ARIKATLA, VARAPRASAD 2,996,875
ARJO IP HOLDING AKTIEBOLAG 2,977,871
ARKEMA FRANCE 3,079,918
ARLA FOODS AMBA 2,916,821
ARMSTRONG WORLD INDUSTRIES, INC. 2,985,475
ARMSTRONG, MICHAEL JAMES 2,932,101
ARMSTRONG, MICHAEL JAMES 2,932,597
ARMY JR., DONALD E. 2,988,959
ARMY, DONALD E. 2,961,121
ARMY, DONALD E., JR. 2,928,048
ARNOLD, GEORG 3,123,302
ARNOLD, LYLE J. 2,905,527
ARON, AVIYA 3,058,370
ARORA, VIVEK 2,933,590
ARRAY BIOPHARMA INC. 3,110,502
ARRIS ENTERPRISES LLC 3,025,477
ARRIS ENTERPRISES LLC 3,041,758
ARTHION, RANDY 3,092,241
ARVINAS, INC. 3,042,260
ARXADA, LLC 2,959,052
ARYA, AMIT 3,056,277
AS AMERICA, INC. 3,000,652
ASAYAMA, MASAHIRO 3,111,133
ASCEND PERFORMANCE MATERIALS OPERATIONS LLC 3,131,301
ASCENDIS PHARMA A/S 3,006,626
ASCENEURON S.A. 3,014,572
ASHWIN-USHAS CORPORATION, INC. 2,998,757
ASHWORTH, CHRISTOPHER KEN 3,051,248
ASLANER, WILLIAM A. 3,147,241
ASTRAZENECA AB 2,918,050
ATALLAH, FRANCOIS IBRAHIM 3,016,028
ATAROT, TAL 3,018,215
ATHARI, CHRISTOPHER K. 2,906,759
ATI PROPERTIES LLC 3,109,173
ATRICURE INC. 3,099,578
ATS AUTOMATION TOOLING SYSTEMS INC. 2,924,908
ATSR LIMITED 3,133,055
ATTI, VENKATRAMAN 2,986,430
AUBURN UNIVERSITY 3,082,253
AUGELLI, MICHAEL J. 2,974,908
AUREALIS THERAPEUTICS AG 3,131,796
AURORA FLIGHT SCIENCES CORPORATION 3,045,301
AVADIM TECHNOLOGIES, INC. 2,939,940
AVALOS, PABLO 2,966,029
AVATERAMEDICAL GMBH 2,963,326
AVERY DENNISON CORPORATION 2,962,632
AVIDBOTS CORP. 2,983,944
AVIENT PROTECTIVE MATERIALS B.V. 3,008,051
AWAZU, TOMOYUKI 3,010,721
AYALON, ORAN 2,996,386
AYAMBEM, AMBA 2,959,739
AYDIN, GOKHAN 3,086,287
AYMARD, CAROLINE 2,951,353
AYRIS, MICHAEL 2,965,572
AZERRAF, CLARITE 3,024,308
AZHAKANANDAM, KASIMALAI 2,984,897
AZIENDE CHIMICHE RIUNITE ANGELINI FRANCESCO A.C.R.A.F. S.P.A. 2,970,060
AZPEITIA LAKUNTZA, MAIDER 2,967,716
B & B METALS, INC. 3,122,448
B. BRAUN MEDICAL INC. 2,983,698
BAASKE, PHILIPP 2,970,566
BABE, LILIA MARIA 3,085,345
BABIN, FRANCOIS 3,034,107
BABIN, FRANCOIS 3,087,146
BACHAR, HAIM 2,985,318
BACHMAN, JAMES L. 2,961,493
BADAWI, DAVID Y. 2,980,713
BADAWI, PAUL 2,980,713
BADHE, PRAFULLA S. 2,940,860
BADRINARAYANAN, PARAVASTU 3,020,101
BAE SYSTEMS CONTROLS INC. 2,989,136
BAE SYSTEMS CONTROLS INC. 3,103,593
BAE SYSTEMS PLC 2,983,689
BAE, JAE-SUNG 3,097,685
BAE, JONGHWAN 3,126,689
BAER, JOHN HUMBERT 2,990,467
BAGAL, RAHUL VASANTRAO 2,972,193
BAGHEL, SUDHIR KUMAR 2,977,411
BAGHEL, SUDHIR KUMAR 2,986,068
BAGLIO, ANDREW 3,053,127
BAGNALL, EDWARD 3,033,879
BAILEY, WILLIAM ELLIS 2,993,536
BAINS, KULJIT SINGH 3,073,686
BAKER HUGHES HOLDINGS LLC 3,120,697
BAKER HUGHES OILFIELD OPERATIONS LLC 3,093,666
BAKER, AUSTIN 3,130,494
BAKER, DOUG 3,048,873
BAKER, MICHAEL JOHN 2,966,029
BAKGAARD NIELSEN, OLE 2,986,611
BALAJI, SUJHA 3,195,611
BALAN, MIHAI M. 2,938,522
BALICKI, MARCIN A. 2,960,725
BALJI, JACK 3,126,456
BALL CORPORATION 3,122,264
BALLARD POWER SYSTEMS INC. 2,976,351
BANDIERA, CAROLINE 3,044,826
BANDLA, SUDHEER 2,992,669
BANG, JON 2,942,925
BANJAB, ALI JASIM 3,012,163
BANK OF CANADA 2,972,194
BANK OF MONTREAL 3,066,451
BANKS, BENJAMIN 2,965,083
BAO, JIE 3,012,163
BAOLONG HUF SHANGHAI ELECTRONIC CO., LTD. 3,109,996
BARANOWSKI, DAVID 2,994,331
BARASH, VLADIMIR D. 3,068,264
BARBER, STEPHAN 2,963,326
BARBIER, FREDERIC 2,993,732
BARBOUR, PATRICK 3,110,502
BARCELLOS DA ROCHA MONTEIRO, DENISE 3,043,245
BARGLOF, MARK WILLIAM 3,120,202
BARIBAULT, ROBERT 3,125,718
BARIYA, RUBIN 3,039,948
BARKER, NICHOLAS 2,696,047
BARLOW, JAMES 3,123,521
BARNES, ZACHARY 2,954,741
BARNHART CRANE AND RIGGING CO. 3,071,958
BARRETT, ROBERT 2,966,186
BARRON, WILLIAM K. 3,027,404
BARTER, RICHARD 3,195,611
BARTHOLOMEW, JOEL 2,983,698
BARTHOLOMEW, JULIE R. 2,988,947
BASEETH, SHIREEN 2,970,666
BASF AGRO B.V. 2,989,253
BASF AGRO B.V. 2,995,644
BASF CORPORATION 2,952,435
BASF CORPORATION 3,008,738
BASF SE 2,958,157
BASF SE 2,972,193
BASF SE 2,972,304
BASF SE 2,990,904
BASF SE 3,007,965

Index of Canadian Patents Issued
October 3, 2023

BASF SE 3,008,738
BASF SE 3,015,143
BASF SE 3,026,811
BASSETT, DOUGLAS E., JR. 2,953,942
BASU MALLICK, PRATEEK 2,995,519
BASU, SUTANU 3,101,286
BATHICHE, STEVEN NABIL 2,932,267
BATISTA, RUI 3,005,582
BATTELLE MEMORIAL INSTITUTE 2,915,961
BATZLER, TODD GERALD 3,097,584
BAUER HOCKEY LTD. 2,916,673
BAUER HOCKEY LTD. 2,929,477
BAUER HOCKEY LTD. 2,942,637
BAUER HOCKEY LTD. 3,055,740
BAUMGARTE, JOSEPH W. 3,127,033
BAUSS, MARKUS 2,954,290
BAUTISTA, LAURA TERESA PORTUONDO 2,961,329
BAUVER, WESLEY PAUL, II 2,926,850
BAXENDELL, DOUG JOHN 2,961,786
BAXTER, GEOFF 2,995,618
BAYATI, MOHSEN 3,076,843
BAYER CROPSCIENCE LP 2,820,282
BAYER PHARMA AKTIENGESELLSCHAFT 2,996,434
BAYER, STEFAN 3,122,168
BAYLOR COLLEGE OF MEDICINE 3,072,178
BAYRAKDARIAN, MALKEN 2,994,478
BAZEN, JAN 2,996,615
BEAMON, HUBERT BLAIR 2,922,879
BEAUMONT, CLEMENT 2,999,596
BECK, DAVID A. 3,013,045
BECTON, DICKINSON AND COMPANY 2,997,427
BECTON, DICKINSON AND COMPANY 3,070,266
BECTON, DICKINSON AND COMPANY 3,126,456
BEDFORD INDUSTRIES, INC. 3,094,158
BEDFORD SYSTEMS LLC 2,964,756
BEDNARZ, BRYAN 3,031,076
BEHRENS, COLLETTE JANE 2,945,902
BEI, KANG 2,979,052
BEIER, MARKUS 2,978,368
BEIJING MABWORKS BIOTECH CO., LTD. 3,104,383
BEILBY, MICHAEL 2,965,572
BEILLON, THIERRY 3,079,918
BEINER, MARIO 3,110,627
BELKE, JEFF 3,050,980
BEN CHAABANE, FADHEL 2,956,372
BEN SHALOM, TAL 3,024,308
BENDELE, KEVIN 2,995,469
BENDER, STEVE 2,997,080
BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 2,993,169
BENNASSAR, JOAN 2,921,264
BENOIT, DIDIER G. 3,039,426
BENOIT, JEAN PIERRE 2,985,159
BENSON, TONY RAY 2,960,121
BENTLEY SYSTEMS, INCORPORATED 3,089,317
BENTLEY, CHARLES B., JR. 3,152,897
BENTOW, TIMOTHY R. 3,057,928
BERG, MAX 3,119,666
BERGER, CHRISTOPH 2,994,992
BERGER, FELIX 3,095,807
BERGHAUS, RAINER 2,958,157
BERGHAUS, RAINER 2,972,304
BERGLUND, THOMAS 2,951,432
BERGTHORSON, JEFFREY 3,120,229
BERKES, MIHALY 2,995,935
BERKSHIRE GREY OPERATING COMPANY, INC. 3,045,522
BERKSHIRE GREY OPERATING COMPANY, INC. 3,056,894
BERKSHIRE GREY OPERATING COMPANY, INC. 3,061,181
BERKSHIRE GREY OPERATING COMPANY, INC. 3,071,407
BERKSHIRE GREY OPERATING COMPANY, INC. 3,080,961
BERLIN, MICHAEL 3,042,260
BERNKLAU, NATHANIEL R. 2,940,860
BEROLL, PASCAL 3,000,788
BERPU MEDICAL TECHNOLOGY CO., LTD 3,130,414
BERTHOLD, SASCHA 2,918,178
BERTHOLIN, STEPHANE 2,992,691
BERTHOUD, ROMAIN 3,008,051
BERTOCCHI, LAURA 2,989,092
BESSONOV, KYRYLO 2,997,506
BEST, WILLIAM 3,031,748
BEST, WILLIAM 3,031,749
BETH ISRAEL DEACONESS MEDICAL CENTER, INC. 2,905,081
BETHGE, LUCAS 3,081,905
BETTERGUARDS TECHNOLOGY GMBH 3,062,715
BEYREIS, RANDALL 2,986,440
BHAGWANDIN, STEVE S. 3,118,431
BHAMBHANI, AKHILESH 2,927,431
BHARATI, SAILESH 3,028,814
BHATTACHARYYA, PROSENJIT 3,032,614
BHINGE, SANTOSH VENKATESH 2,983,645
BI, RENZHE 2,914,368
BIANCHI, GABRIELE 2,981,937
BICALHO, MARCELA 2,893,072
BICALHO, RODRIGO CARVALHO 2,893,072
BICHLER, VINZENZ 3,062,715
BIHANI, BALLAV 3,032,614
BINDER, HERBERT 3,107,536
BINDERBAUER, MICHL 2,965,682
BIO-RAD LABORATORIES, INC. 3,140,602
BIOATLA, LLC 2,997,473
BIODESIGN INNOVATION LABS PRIVATE LIMITED 3,081,940
BIOMET MANUFACTURING, LLC 2,990,229
BIONESS INC. 2,974,391
BIOSAFE SYSTEMS, LLC 3,081,360
BIOSORT AS 3,013,181
BIOSPECIFICS TECHNOLOGIES CORP. 2,998,582
BIOSYSTEMS CONSULTING, INC. DBA ADVANCED OXIDATION TECHNOLOGY 3,040,696
BIRD, DOUGLAS ROBERT (DECEASED) 3,025,190
BIRD, JAMES DOUGLAS 3,025,190
BIRKELAND, GUNNAR WILLIAM 3,083,632
BISHT, NARENDRA SINGH 2,983,645
BISICHEM CO., LTD. 3,126,689
BISO, MAURIZIO 3,001,521
BITTERFELD, ROBERT 3,058,370
BITTNER, CHRISTIAN 2,990,904
BIYANI, KALPESH N. 2,912,911
BLACK, JASON W. 2,915,961
BLACKWELDER, MARK JON 2,932,101
BLACKWELDER, MARK JON 2,932,597
BLAIS, PHILIPPE 2,983,656
BLAISE, GILBERT 2,903,758
BLANDA, WENDY 3,091,154
BLANDER, DANIEL 2,917,293
BLANKENSHIP, JESSE C. 2,982,074
BLECHA, LUC 3,001,804
BLEHM, COLIN 2,932,533
BLIER, KENNETH 2,974,908
BLOOM, JONATHAN DAVID 2,943,381
BLUE VISION LABS UK LIMITED 3,083,430
BLUMENTHAL, PHILIPP 2,996,434
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 2,905,081
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 2,961,493
BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE 2,984,173
BOARD OF TRUSTEES, SOUTHERN ILLINOIS UNIVERSITY 2,933,697
BOAZ, NEIL WARREN 2,963,270
BOBADILLA LARIOS, MANUEL ALFONSO 2,978,910
BOBKA, PAUL 2,996,434
BOCKUS, VALDAS 3,133,055
BODET, HERVE 3,081,738
BODLEY, NICHOLAS 3,024,524
BODNER, KEITH 3,099,243
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 2,948,066
BOETTCHER, JEFFERY J. 3,047,344
BOETTCHER, JESSE W. 2,926,459

Index des brevets canadiens délivrés
3 octobre 2023

BOGHMANS, CATHERINE PATRICIA L. 2,963,706
BOHACHE, JOSEPH 3,111,489
BOHLING, JAMES C. 2,929,412
BOHLING, JAMES C. 2,940,732
BOHM, SEBASTIAN 2,950,335
BOHN, JANE K. 3,097,630
BOHORQUEZ, FELIPE 3,018,601
BOHR, NICK 2,994,145
BOHRES, EDWARD 3,015,143
BOILEAU, PASCAL 2,969,436
BOLCKMANS, KAREL JOZEF FLORENT 2,955,716
BOLD, JENS 3,044,125
BOLES, DAVID J. 3,056,238
BOLES, ECKHARD 2,960,930
BOLLINGER, AARON 3,117,896
BOLLMAN, ANDREW MARK 2,932,101
BOLSHAKOV, ILYA 2,958,427
BOMBARDIER TRANSPORTATION GMBH 3,003,160
BOMLENY, DUANE M. 2,940,860
BONANO, SAMANTHA 3,079,842
BOND, BRIAN M. 2,971,610
BOONE, MATTHEW ALLEN 2,963,270
BOONZAIER, JAMES 3,095,711
BORCHERSEN, SOREN 2,989,258
BOREL, BERNARD 3,081,738
BORESIGHT AND ALIGNMENT SYSTEMS AS 2,942,363
BORGGAARD, CLAUS 2,989,258
BORGMAN, BRAD 3,131,885
BORKGREN, STANLEY R. 2,940,719
BORNSCHEUER, UWE 2,980,407
BOSHEARS, MICHAEL WAYNE 3,153,172
BOSIGER, MAXIME 3,127,425
BOSTON SCIENTIFIC SCIMED, INC. 3,095,163
BOSWORTH, ADRIAN 3,081,822
BOSZE, ERIC 3,088,407
BOTTCHER, MATTHIAS 3,010,745
BOTTENSEK, JOSEPH B. 3,082,128
BOTTLEY, ANDREW 2,980,885
BOTTOMLEY, PAUL ARTHUR 3,023,390
BOTZEM, PETRA 3,051,150
BOUKERMA, SAID 3,025,331
BOULGAKOV, ALEXANDER 2,961,493
BOUTE, BERT 2,943,362
BOUTHEON, ALEXANDRE 3,122,168
BOUVIER, EMMANUELLE 3,114,820
BOWEN, M. SHANE 2,950,335
BOWEN, MARK 3,070,266
BOWMAN, KEITH ALAN 3,016,028
BOYANOV, BOYAN 2,950,335
BOYCE, SUSAN 3,002,418
BOYD, GARRETT S. 2,921,179
BOYD, GARRETT S. 3,093,125
BOYD, JEFFREY A. 2,926,459
BOYD, MITCHELL A. 2,921,179
BOYD, MITCHELL A. 3,093,125
BOYD, RICHARD 3,033,879
BOYD, STEPHEN 2,961,757
BOYES, STEPHEN JOHN 2,985,930
BOZARTH, COLIN 2,951,649
BP CORPORATION NORTH AMERICA INC. 3,098,042
BRADFORD, STEPHEN 2,979,846
BRADLEY FIXTURES CORPORATION 3,124,119
BRADSHAW, BRIAN 2,971,221
BRADWELL, STEVEN DONALD 3,054,054
BRAEUER, JUDITH 3,015,143
BRAINLAB AG 3,065,440
BRAINLAB AG 3,088,626
BRAMLEY, NEIL K. 3,153,144
BRAMS, MATTHEW 2,977,540
BRAND, MAARTEN 3,126,456
BRASSARD, DANIEL 2,972,194
BRAUN, MARCUS 2,963,326
BRAUN, MARIE-GABRIELLE 2,982,708
BRAUN, ORI 3,014,030
BRAVO, DAVID 3,004,836
BREEN, MICHAEL 2,952,435
BREFORT, THOMAS 2,978,368
BRENNAN, GREGORY J. 2,996,615
BRENNEMAN, KRISTINA KRAEMER 2,990,018
BRESLICH, GRADY 3,081,822
BRETON, MARC D. 3,027,019
BRIGHAM AND WOMEN'S HOSPITAL, INC. 2,896,997
BRIMHALL, DANIEL 3,009,652
BRINGE, NEAL ALLAN 2,941,481
BRINKMANN, JOHN M. 3,100,547
BRISTOW, MICHAEL W. 2,990,290
BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED 3,079,629
BROCH-LIPS, MARTIN 2,986,611
BRODERICK, EVAN 3,106,303
BRODERICK, GORDON 2,954,741
BROGGINI, DIEGO FERNANDO DOMENICO 2,996,989
BROOKER, MARC JOHN 2,990,018
BROOME, ALLEN 2,842,810
BROTHER KOGYO KABUSHIKI KAISHA 3,134,883
BROTHER KOGYO KABUSHIKI KAISHA 3,135,118
BROUWER, PIETER KRISTIAN 2,990,018
BROWN, ANDRE DAVID 2,971,610
BROWN, KEITH 2,940,669
BROWN, MICHAEL Y. 2,983,698
BROWN, RANDY, MORRIS 3,155,316
BROWNELL, ARNOLD S. 2,940,732
BRUCHMAN, RICHARD M. 3,097,630
BRUCK, TIMO A. 2,926,459
BRUCKNER, JAN 3,117,871
BRUNDISCH, VOLKER 3,003,160
BRUNO, LOUIS J. 2,928,048
BRUNO, LOUIS J. 2,988,959
BRUNS, TOBIAS 3,079,116
BRYAN, DAVID J. 3,109,173
BRYANT, ERIN B. 3,112,553
BUCHANAN, ANDREW 2,963,166
BUCHANAN, BETH 2,994,331
BUCHMANN, JUERGEN 3,026,953
BUDZUS, CHRISTOPH 3,013,033
BUENO HERRERA, GRECIA ANDREA 2,911,752
BUER, KENNETH 2,981,857
BUERMANN, DALE 2,950,335
BUFFALO FILTER LLC 3,079,842
BUHLER AG 3,106,173
BUHLER INSECT TECHNOLOGY SOLUTIONS AG 3,141,506
BUHR, WILM 3,002,418
BUKREYEV, ALEXANDER 2,977,499
BUNKER, RONALD SCOTT 2,946,560
BURCKHARDT, SUSANNA 3,002,418
BURD, TAMMY 2,903,839
BURFEIND, JENS 2,918,178
BURGERT, MICHAEL 3,002,418
BURKE, BRIAN 2,971,610
BURNARD, EDWIN 2,983,698
BURNETT, DANIEL R. 2,961,757
BURNS, KENNETH M. 2,997,160
BURNSIDE, PHILLIP H. 2,932,601
BURTON, ALLEN W. 3,007,214
BUSCHINGER, OSCAR 3,062,715
BUSH, GREGORY E. 3,131,301
BUSKER, KAI 3,055,462
BUTALCO GMBH 2,960,930
BUTLER, ROBERT P. 2,985,584
BUTOR, ANDREW MICHAEL 3,124,960
BUYSSE, JERRY M. 2,912,911
BWXT NUCLEAR OPERATIONS GROUP, INC. 3,128,766
C. R. BARD, INC. 3,062,959
CABEZAS, SARA 2,940,860
CABRERA, PABLO ROBERTO MOLINA 2,983,944
CAELEN, ELOY JACOBUS ANTONIUS GERARDUS 2,984,755
CAFARO, ENRICO RAFFAELE 2,964,756
CAFFES, LEVI 3,112,020
CAHEN, ANTOINE 2,968,458
CAI, CHARLIE 2,971,610
CAIN, DAVID 3,089,317
CALDER, DAVID 3,006,436
CALDER, MATHEW 2,951,504
CALDWELL MANUFACTURING COMPANY NORTH AMERICA, LLC 3,053,127
CALIFORNIA MANUFACTURING AND ENGINEERING COMPANY CO., LLC 3,011,992
CALIXTE, LAURENT 2,964,023
CAMBRON-FORTIN, LAURENCE 3,152,581
CAMERON, JASMIN 2,973,269
CAMPBELL, LEANNE M. 3,049,071
CAMPBELL, STEWART 3,089,201

Index of Canadian Patents Issued
October 3, 2023

CANADIAN ENERGY SERVICES L.P. 2,946,637
CANCER RESEARCH TECHNOLOGY LIMITED 2,955,303
CANDILLIER, LAURENT 3,051,804
CANTRELL, DAVID 2,947,590
CAPEZZONE DE JOANNON, ALESSANDRA 2,970,060
CAPIGLIA, CLAUDIO 3,145,171
CAPITAL ONE SERVICES, LLC 2,945,171
CAPRACOTTA, MICHAEL D. 2,979,132
CAPRION PROTEOMICS INC. 2,902,068
CARA THERAPEUTICS, INC. 3,112,477
CARAMELLI, CHIARA 2,932,218
CARBERRY, JONATHAN MICHAEL 2,983,689
CARBON LOCK TECHNOLOGIES INC. 3,173,561
CARD, PAUL 3,076,656
CARGILL, INCORPORATED 2,963,706
CARL FREUDENBERG KG 3,108,963
CARLE, LAURENT 2,920,648
CARLSON, DANIEL E. 3,116,868
CARON KARDOS, JEAN-FREDERIK 2,929,477
CARPOV, DMITRI 3,097,644
CARROLL, CHARLES 2,985,340
CARROLL, RAYMOND 2,964,756
CARTER, ENDA F. 3,069,439
CASALE SA 3,004,186
CASBEER, DANA 3,039,948
CASPARRO, TONY JAMES 3,118,140
CASTAING, JEAN-CHRISTOPHE 2,967,072
CASTELLANOS ZAMORA, DAVID 3,117,426
CATERPILLAR INC. 2,938,522
CATERPILLAR INC. 3,124,604
CATERPILLAR INC. 3,124,964
CATULLO, TOM 3,106,303
CAWOOD, MATTHEW D. 3,152,897
CAYABYAB, RONALDO C. 2,969,111
CEDARS-SINAI MEDICAL CENTER 2,966,029
CELGENE CORPORATION 2,993,173
CELLECTIS 2,913,404
CENDEJAS ZARAGOZA, LEOPOLDO 2,969,228
CENTRE HOSPITALIER UNIVERSITAIRE DE LIEGE 2,997,506
CENTRE LEON BERARD 2,959,671
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 2,959,671
CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT 2,827,173
CENTRO DE INVESTIGACION EN MATERIALES AVANZADOS, S.C. 2,911,752
CERTAINTEED CEILINGS CORPORATION 3,106,654
CERTAINTEED GYPSUM, INC. 2,906,759
CERTIS CISCO SECURITY PTE LTD 3,023,086
CEVEN WITH A C, LLC 3,157,485
CHACON, JOSEPH LAWRENCE 2,923,290
CHAGGARES, NICHOLAS CHRIS 3,173,282
CHAKRASALI, MALATESHA B. 3,101,286
CHAMBERS, LARRY DELYNN 3,145,578
CHAMBERT, MARTIN 2,916,673
CHAN, JUSTIN HAN YANG 3,094,492
CHAN, PAUL MON-WAH 2,896,572
CHAN, WAI TING 2,964,756
CHANDRASEKHAR, PRASANNA 2,998,757
CHANG, JENNY CHEE NING 2,979,530
CHANG, TSE-WEN 3,151,394
CHANG, YUKUN 3,098,927
CHANG-MATEU, I-HWA MIDEY 2,939,909
CHAPADOS, NICOLAS 3,097,644
CHAPPA, RALPH A. 2,962,101
CHARLES, DANIEL C. 3,124,960
CHARLES, STEPHEN A. 3,039,426
CHART ENERGY & CHEMICALS, INC. 2,991,712
CHASE, D. BRUCE 3,110,531
CHATTERJEE, DEB K. 2,934,075
CHAUDHARY, BHARAT I. 2,996,615
CHAUHAN, ABHAY SINGH 2,921,937
CHAUSSEPIED, BERNARD 2,956,372
CHAVDA, HIRAK T. 3,027,984
CHEBIYYAM, VENKATA SUBRAHMANYAM CHANDRA SEKHAR 2,986,430
CHEMLINK LABORATORIES, LLC 2,865,682
CHEN, BANGCHI 3,135,509
CHEN, CHENG 2,963,861
CHEN, CHENGQIAN 3,056,013
CHEN, CHIN-CHUAN 2,988,512
CHEN, FUQIANG 3,026,321
CHEN, HAILIANG 3,003,122
CHEN, HUANBANG 3,013,655
CHEN, JIANRONG 3,105,696
CHEN, LIANG 3,008,738
CHEN, MICHAEL 2,903,839
CHEN, MICHAEL M. 3,105,696
CHEN, SHIH-YI 2,988,512
CHEN, SHUHUI 3,003,122
CHEN, SHUHUI 3,123,473
CHEN, WANSHI 2,980,932
CHEN, XIAOCHENG 2,877,009
CHEN, XIAOHUA 3,122,317
CHEN, YIKUN 3,117,828
CHEN, YING 3,062,966
CHEN, YU 3,047,344
CHEN, YUANWEI 3,125,058
CHEN, YUE 2,989,111
CHEN, ZHUI 3,103,335
CHENG, LIN 3,018,181
CHENG, XU 2,914,954
CHENG, YU 3,122,317
CHEUNG, CHEUK-YI 3,012,163
CHEVRON PHILLIPS CHEMICAL COMPANY LP 3,036,684
CHEVRON U.S.A. INC. 2,946,285
CHIDAMBARAN, RAVI 2,983,645
CHINA TOBACCO HUBEI INDUSTRIAL CORPORATION LIMITED 3,117,828
CHINA UNIONPAY CO., LTD. 3,056,013
CHINEN, TORU 2,947,549
CHIPROOT, AVI 2,918,203
CHO, GEUM SIL 2,997,549
CHOI, IN YOUNG 2,950,718
CHOI, WON SIK 3,088,618
CHONG, ELLIS FUI HEN 2,932,597
CHOUINARD, MICHELE 2,986,440
CHOW, ARTHUR CARROLL 3,114,591
CHOW, SEAN 2,969,111
CHRISTIAN, TWINKLE R. 2,954,773
CHROMA PAPER, LLC 3,116,185
CHROVIAN, CHRISTA C. 2,960,972
CHROVIAN, CHRISTA C. 2,991,765
CHU, HSING-MAO 3,151,394
CHU, XINGJUN 2,984,692
CHUANG, WEI-LIEN 2,914,751
CHUDASAMA, ARPAN SURESH 3,044,636
CHUINARD, CHRISTOPHER R. 2,969,436
CHUNG, HYE-SHIN 3,096,982
CHUNG, JIN HO 2,997,549
CHUNG, RUSSELL 3,027,984
CICCHITTO, ANGELO 2,917,293
CICERI, DANIELE 2,988,478
CIELLA INC. 3,061,525
CIGNARALE, JOSEPH 3,048,873
CINGULATE THERAPEUTICS LLC 2,977,540
CINOTTI, LUCIANO 3,022,371
CIUCA, BOGDAN JOSEPH 3,118,140
CIUFOLINI, MARCO A. 3,008,909
CIVITAS THERAPEUTICS, INC. 2,894,031
CLANCY, GERALD WAYNE 3,054,054
CLARE, DAVE 3,131,885
CLARIANT PLASTICS & COATINGS LTD 2,966,427
CLARIDGE, ROBERT 3,091,659
CLARIDGE, STEPHEN 2,994,478
CLARK, JOHN 3,071,958
CLARKE, PAUL 3,038,738
CLARKE, PHILIP 2,980,885
CLARKE, THOMAS F. 3,135,395
CLAVERT, PHILIPPE 2,969,436
CLEGG, W. RANDAL 3,098,998
CLEVERS, JOHANNES CAROLUS 2,696,047
CLIMATE LLC 2,989,818
CLIZBE, LANE A. 3,039,426
CLOGSTON, CHRISTI L. 2,954,773
CLOUD, MARK L. 2,996,598
CLYNNE, THOMAS 3,058,796
CNH INDUSTRIAL AMERICA LLC 3,000,017
COATES, ANDREW 2,976,856

Index des brevets canadiens délivrés
3 octobre 2023

COATS, DANIEL 3,131,885
COE, ADRIANN TERESA 3,044,826
COGEN, JEFFREY M. 3,037,976
COGNETTA, ARMAND 2,980,010
COGNIZANT TECHNOLOGY SOLUTIONS U.S. CORPORATION 3,085,653
COHEN, BENJAMIN 3,045,522
COHEN, BENJAMIN 3,056,894
COHEN, BENJAMIN 3,061,181
COHEN, BENJAMIN 3,071,407
COHEN, BENJAMIN 3,080,961
COHEN, CELINE 2,956,372
COHEN, MARVIN BARRY 2,989,111
COHEN, SHMUEL 2,951,984
COKER, TIM 2,894,031
COLEMAN, TRAVIS KORRY 3,166,836
COLEMAN, TRAVIS KORRY 3,166,883
COLGATE-PALMOLIVE COMPANY 2,981,116
COLGATE-PALMOLIVE COMPANY 3,002,221
COLLINS, ARLAN 3,118,407
COLLINS, CHARLES 2,951,649
COLLINS, DAVID 3,095,163
COLLINS, MATTHEW 3,103,757
COLOMBO, ROBERTA 3,001,521
COLON, ELIZABETH TERESA 3,131,885
COLSTON, MICHAEL 2,941,277
COMCAST CABLE COMMUNICATIONS, LLC 2,776,711
COMCAST CABLE COMMUNICATIONS, LLC 2,842,810
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES 2,920,648
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 3,001,197
COMSTOCK, SARAH S. 2,916,821
CONCORDIA UNIVERSITY 2,921,937
CONMED CORPORATION 3,066,370
CONMED CORPORATION 3,081,822
CONMED CORPORATION 3,112,442
CONNECTMESMART GMBH 2,954,290
CONNOLLY, TERRENCE JOSEPH 2,993,173
CONNOR, ERIC F. 2,912,911
CONSTELLIUM ISSOIRE 3,012,956
CONTINENTAL REIFEN DEUTSCHLAND GMBH 2,994,992
CONTINENTAL REIFEN DEUTSCHLAND GMBH 3,125,926
CONTINUUS MATERIALS INTELLECTUAL PROPERTY, LLC 3,096,340
CONTRAFECT CORPORATION 2,872,911
CONVILLE, JARED 2,984,897
COOK, ADAM 3,110,502
COOK, AUSTIN JAMES 2,983,689
COOK, DAVID M. 2,925,974
COOK, JENNIE 3,098,042
COOK, PATRICK LEE 3,051,248
COOKE, TERRY L 3,116,865
COOPER MACHINERY SERVICES LLC 3,011,450
COOPER, NEIL 3,020,057
COOTS, COTY T. 3,122,448
COPE, MICHAEL J. 2,912,911
COPELAND, ANDREW D. 2,934,173
COPPOCK, KEVIN 2,926,459
CORACE, GIUSEPPE 2,989,092
CORBIN, JEAN YVES 2,956,057
CORDIS US CORP 2,962,046
CORE, LEE 2,986,440
CORN PRODUCTS DEVELOPMENT, INC. 3,129,837
CORNELL UNIVERSITY 2,893,072
CORNING INCORPORATED 3,071,856
CORNING INCORPORATED 3,118,460
CORNING OPTICAL COMMUNICATIONS LLC 2,922,879
CORNING OPTICAL COMMUNICATIONS LLC 2,925,160
CORNING OPTICAL COMMUNICATIONS LLC 3,116,865
CORNING RESEARCH & DEVELOPMENT CORPORATION 3,084,229
CORONA, III, ALESSANDRO 3,083,408
CORREIA, BRUNO 2,980,010
CORREIA, VICTOR HUGO SILVA 2,946,560
CORTEVA AGRISCIENCE LLC 3,025,879
COSMETIC TECHNOLOGIES, LLC 2,988,947
COSTANTINI, FREDERIC 3,051,804
COTE-SIERRA, JAVIER 2,970,739
COTTET, JUSTIN D. 3,049,071
COURCHAINE, WILFRED 2,973,826
COUSIN, BORIS 3,023,390
COUTTS, EDWIN 2,984,719
COVEY, CHRISTOPHER 2,964,756
COVIDIEN LP 2,987,637
COWPERTHWAITE, JAKE A. 2,983,698
COX, GERALD F. 2,914,751
COX, HENRY WILMORE, JR. 3,040,696
COX, SIMON 3,096,355
CPG INTERNATIONAL LLC 3,094,576
CRAFT, RUSSELL STUART 2,977,588
CRAVATT, BENJAMIN F. 2,980,010
CREARY, TREVOR 3,050,449
CRESSTEC RAC IP PTY. LTD. 2,989,952
CREW, ANDREW P. 3,042,260
CRONE, BENEDIKT 2,972,304
CRONIN, CHRISTOPHER 2,981,857
CROOK, GARY 3,011,992
CROSS, KEITH J. 2,735,171
CROTEAU, PASCAL 2,902,068
CROWE, DAVID MALCOLM 3,014,572
CROWE, JAMES E. 2,977,499
CROWLEY, BRENDAN M. 3,145,555
CROWN EQUIPMENT CORPORATION 3,026,953
CROWN EQUIPMENT CORPORATION 3,187,819
CROWN FIRE DOOR PRODUCTS, INC. 2,939,255
CRUIKSHANK, DAVID 3,055,740
CTC GLOBAL CORPORATION 3,088,407
CUERRIER AUCLAIR, SAMUEL 2,960,543
CUI, XINLE 2,931,853
CULBERT, JEFFREY 2,917,293
CULLIS, PIETER R. 3,008,909
CURREN, JOSEPH A. 3,036,684
CURRENT LIGHTING SOLUTIONS, LLC 2,986,191
CURTIS, DANIEL JON 3,057,928
CUVELIER, SEBASTIEN ANTOINE YVES 2,937,579
CUYCKENS, FILIP ALBERT C 2,996,989
CYR, STEVEN J. 3,097,528
CZAPLICKI, MICHAEL 3,125,783
D'AGOSTINO, DINO 2,896,572
D'ALESSIO-DOUCET, JULIEN 2,983,944
D'AMBROGIO, ROBERT 2,981,116
D'ESTAIS, MATHIAS 2,956,057
D'ORLANDO, PAUL M. 2,928,048
D.T.R. DERMAL THERAPY RESEARCH INC. 2,936,487
DA COSTA, ILIDIO GOUVEIA 2,992,287
DA FONSECA BARBATTI, CARLA 3,012,956
DABISIAS, GIACOMO 3,083,430
DAHANAYAKE, MANILAL S. 3,001,565
DAHER, NAGY 3,033,879
DAHLKE, JOSHUA 3,110,502
DAI, MINGZENG 3,062,362
DAI, SHENGCHEN 3,062,966
DAIDONE, MARIA GRAZIA 2,961,275
DAIICHI SANKYO COMPANY, LIMITED 3,074,208
DALLAVALLE, SABRINA 2,961,275
DALLINGA, JAN 2,997,506
DAME, STEPHEN G. 2,996,598
DAMENTO, PETER 3,118,407
DAMES, SIBYLLE 3,081,905
DANCE, WILLIAM BERRY 3,119,263
DANG, LEONARD LUAN C. 2,989,111
DANIEL, JOHN 2,887,568
DANKMEYER, LYIDA 3,085,345
DANNER, KEVIN WAYNE 3,173,561
DAPHNE TECHNOLOGY SA 2,999,719
DARIAVACH, NADER 3,020,421
DAS, SMRUTI 2,964,357
DASGUPTA, SAMBARTA 3,116,054
DASSAULT AVIATION 2,922,616
DASSAULT AVIATION 2,935,753
DASSAULT AVIATION 2,949,423
DATAPARENCY, LLC 3,177,369
DAUBITZ, MATTHIAS 3,055,873
DAUDET, LARRY RANDALL 2,939,792
DAVID, ROBERT 3,106,144
DAVIES, JAMES 3,095,711
DAVIES, ROGER 2,984,158
DAVIS, DAVID 2,957,280
DAVIS, GERALD J. 3,116,865
DAVIS, MICHAEL LEE 2,961,786
DAVIS, NIGEL 2,976,856

Index of Canadian Patents Issued
October 3, 2023

DAWSON-HAGGERTY, MICHAEL 3,045,522
DAWSON-HAGGERTY, MICHAEL 3,056,894
DAWSON-HAGGERTY, MICHAEL 3,061,181
DAWSON-HAGGERTY, MICHAEL 3,071,407
DAWSON-HAGGERTY, MICHAEL 3,080,961
DE ARAUJO MONTEIRO, CARLOS ALBERTO 3,043,245
DE BOER, WOLFGANG 3,055,462
DE COCK, PETRUS WILHELMUS HUBERTUS ANTONIUS 2,963,706
DE CREMER, GERT 3,008,051
DE GAUDEMARIS, BENOIT 3,001,197
DE GELDER, VINCENT 3,141,506
DE JOODE, JASPER 2,955,716
DE KEYSER, RUBEN 3,006,237
DE MUL, ARTHUR ALEXANDER 2,989,541
DE NEVE, WILFRIED 2,943,362
DE VRIES, JELLE 2,999,285
DE VRIES, SAPE 3,133,974
DEACON, PAUL 2,971,537
DEAN, DAVID L., JR. 3,116,865
DEAVER, GERALD, ALAN 3,155,316
DECTRONIQUE (1984) INC. 2,999,596
DEDE, JANI 3,003,160
DEERE & COMPANY 2,940,386
DEERE & COMPANY 2,940,719
DEERE & COMPANY 2,940,860
DEERE & COMPANY 2,942,409
DEERING, ERIC 2,989,576
DEFRANCISCI, GABRIELA K. 3,049,071
DEGUET, ANTON 2,960,725
DEINES, JAMES HERBERT 3,045,623
DEJONGE, BOUDEWIJN LODEWIJK MARIA 2,966,632
DEL ROSSA, JEFFREY 2,930,367
DEL VECCHIO, ORIN 2,896,572
DELANEY, DANIEL JOHN 3,134,352
DELIVRA INC. 2,994,331
DELMONI, ALEX 2,989,017
DEMAS, LORRAIN 3,051,804
DEMERATH, ERIC 3,127,273
DEMICHELE, STEPHEN 3,090,800
DENG, BIAO 3,003,122
DENG, HAIBING 3,103,335
DENG, TENGFEI 3,117,828
DENNEY, THOMAS S., JR. 3,082,253
DENNIS, MARK 2,877,009
DENTSPLY INTERNATIONAL INC. 2,937,969
DENUTTE, HUGO ROBERT GERMAIN 3,111,604
DEOLALIKAR, NEELESH 3,145,578
DERAAD, DEAN 3,096,340
DERANSART, PIERRIC 2,969,436
DERMAVANT SCIENCES GMBH 2,970,739
DERR, DANIEL 2,973,183
DERYSZ, JERZY 2,996,993
DESAI, PIYUSH 3,050,449
DESANTIS, PAUL K. 3,128,766
DESAULNIERS, PIERRE 2,983,656
DESGAGNES, REJEAN 3,152,581
DESIGNER DIRECT, INC. 2,916,336
DESIGNER DIRECT, INC., D/B/A LEVIN ASSOCIATES 2,933,478
DESPA, MIRCEA 3,070,266
DEUBLIN COMPANY 3,013,033
DEUTSCHES INSTITUT FUR LEBENSMITTELTECHNIK E.V. 3,078,873
DEV, ASHWANI 3,064,383
DEV, ASHWANI 3,116,482
DEVINE, CONOR 3,095,711
DEVLOO, GERARD 2,958,390
DEVLOO, MARK 2,958,390
DEVORET, MICHEL 2,977,664
DEVORET, MICHEL 2,993,006
DEWALD, PAUL 3,048,570
DGB THERAPEUTICS INC. 2,903,758
DIAMOND, DAVID 2,982,650
DIAZ, JEAN-JACQUES 2,959,671
DICK'S SPORTING GOODS, INC. 3,021,056
DIEDERICH, REINER 2,996,434
DIEHL, ANDREW KARL 2,933,045
DIEHL, ANDREW KARL 2,957,642
DIETRICH, FRANZ 2,996,434
DIETZ, HEIKO 2,960,930
DIJKSTRA, HIELKE 2,985,973
DILLARD, COLIN R. 3,116,054
DILLENSEGER, SERGE 3,025,331
DIMOPOULOS, KONSTANTINOS 3,065,138
DING, CHARLES Z. 3,003,122
DIRTT ENVIRONMENTAL SOLUTIONS, LTD. 2,932,533
DISCH, SASCHA 3,118,121
DIVEKAR, SUNIL SADASHIV 2,972,193
DIVYZE, INC. 2,930,605
DJT INVESTMENTS, LLC. 2,989,141
DOANE, DENNIS W. 2,997,160
DOANE, RICK M. 2,997,160
DOANE, SHEA P. 2,997,160
DOANE, TIMOTHY L. 2,997,160
DOCUMENT STORAGE SYSTEMS, INC. 2,969,141
DODGE, JASON T. 3,124,119
DOEHLA, STEFAN 3,122,168
DOEPKER INDUSTRIES LTD. 2,951,805
DOHERTY, JEFFREY F. 3,153,144
DOLAN, DENNIS JAMES 3,166,836
DOLAN, DENNIS JAMES 3,166,877
DOLAN, DENNIS JAMES 3,166,882
DOLGACHEV, VLADISLAV A. 2,823,913
DONATI, LUCA 2,970,060
DONG, CHANG 3,109,272
DONG, HANQING 3,042,260
DONG, JING 2,914,368
DONG, RONG 3,002,221
DONNELLY, BRIAN C. 3,122,521
DONOHUE, KEVIN V. 2,984,897
DONOVAN, SHARON 2,916,821
DOPICO SANJUAN, JOSE MIGUEL 3,117,426
DOROKHIN, KONSTANTIN VLADIMIROVICH 3,068,559
DORROUGH, DAVID M. 2,932,776
DOSHI PURSEL, REKHA 3,070,266
DOUGLAS, LAURA 2,919,752
DOW GLOBAL TECHNOLOGIES LLC 2,933,470
DOW GLOBAL TECHNOLOGIES LLC 2,996,615
DOW GLOBAL TECHNOLOGIES LLC 3,001,471
DOW GLOBAL TECHNOLOGIES LLC 3,037,976
DOWN-LITE INTERNATIONAL, INC. 3,072,089
DOYLE, ANTHONY GERARD 2,945,902
DOYLE, CASEY LYN 3,114,591
DRAGER, DORTHE BETTINA 2,955,716
DRAZIN, DONIEL 2,966,029
DREWS, EDWIN RAY 3,158,540
DRIGGARS, PHILLIP 3,061,397
DRINAL, STEPHANE 2,949,423
DRLIK, MARK SASHA 2,966,029
DRODER, KLAUS 2,996,434
DROUADAINE, YVES 3,006,326
DROZ, PIERRE-YVES 3,083,927
DU, WU 3,125,058
DU, YINGGANG 3,062,966
DUAN, HUIZHU 3,108,213
DUBAI ALUMINIUM PJSC 3,012,163
DUBEY, SATISH KUMAR 3,067,020
DUBLANKO, CURTIS MICHAEL 2,998,640
DUBUC, EDEN 2,986,191
DUCOTE, DOUGLAS A., JR. 2,991,712
DUDLEY, MICHAEL N. 2,982,911
DUENAS, SAUL ALEJANDRO RODRIGUEZ 2,936,487
DUFFY, BEN A. 2,994,942
DUFOUR, PASCAL 3,087,146
DUHR, STEFAN 2,970,566
DUKE UNIVERSITY 2,607,281
DUMONT, GEOFFROY 2,920,648
DUMONT, NICOLAS 3,012,215
DUNCAN LIMA, JORGE ROBERTO 3,043,245
DUNJIC, MILOS 3,114,591
DUOJECT MEDICAL SYSTEMS INC. 3,179,225
DURAND-REVILLE, THOMAS FRANCOIS 2,966,632
DUREIKO, RICK DEAN 3,058,796
DUROCHER, JACQUES 2,942,637
DURRENBERGER, FRANZ 3,002,418
DUSTERHOFT, RONALD GLEN 3,123,762
DUTTA, PRADIP KUMAR 2,915,357
DUTTON, RONALD 2,930,755
DWARAPUDI, SRINIVAS 3,120,229
DWFRITZ AUTOMATION, LLC 3,001,939

Index des brevets canadiens délivrés
3 octobre 2023

DYER, MATT 2,970,666
DYNAENERGETICS EUROPE GMBH 3,015,102
DYNAMIC FOOD INGREDIENTS CORPORATION 2,989,434
EAGLE US 2 LLC 3,033,870
EAMES, DAVID JOHN HOWARD 2,932,597
EARNSHAW, MARK 2,981,067
EAST CAROLINA UNIVERSITY 2,963,861
EASTMAN CHEMICAL COMPANY 2,963,270
EATON INTELLIGENT POWER LIMITED 2,951,938
EATON INTELLIGENT POWER LIMITED 2,952,260
EATON INTELLIGENT POWER LIMITED 2,960,121
EATON INTELLIGENT POWER LIMITED 2,961,329
EATON INTELLIGENT POWER LIMITED 2,982,359
EATON INTELLIGENT POWER LIMITED 2,985,361
EBIHAMA, NOBUHISA 3,015,441
ECKENROTH, ADAM 3,096,710
ECOLAB USA INC. 2,981,181
EDDY CURRENT LIMITED PARTNERSHIP 2,933,045
EDDY CURRENT LIMITED PARTNERSHIP 2,957,642
EDEN GREEN GLOBAL TECHNOLOGIES LIMITED 2,982,234
EDLER, BERND 3,118,121
EDMISTON, DARYL 3,112,020
EDULJI, SMITA 3,002,894
EDWARDS LIFESCIENCES CORPORATION 2,969,111
EDWARDS LIFESCIENCES CORPORATION 2,982,604
EFFINGER, ROBERT T. 3,136,306
EGESBORG, HENRIK 3,006,626
EGGING, DUANE M. 3,025,249
EGGLESTON, CLIFTON DEE 3,017,362
EHARA, YASUHIRO 3,015,441
EHLERS, JAN GERHARDUS 2,982,234
EHRLICH, AVSHALOM 2,996,381
EHRSTROM, JEAN-CHRISTOPHE 3,012,956
EIBL, CAMERON 2,997,367
EICHENSEER, ANDREA 3,122,168
EICHER, JOACHIM 2,948,066
EIGLSPERGER, JOHANNES 3,055,004
EIJSACKERS, ARMIN SJOERD 2,985,973
EINHAUS, MICHAEL 2,995,519
EINZIGER, MICHAEL 3,017,352
EISAI R&D MANAGEMENT CO., LTD. 3,001,969
EISSMANN, DIANA 2,990,904
EITSCHBERGER, CHRISTIAN 3,015,102
EKHOLM, HENRIK 3,024,014
EL-KADY, MAHER F. 3,083,254
ELEMENTIS SPECIALTIES, INC. 2,999,285
ELGAN PHARMA LTD 3,018,215
ELKU, JOSEPH STEVEN DAVID 3,106,958
ELLENBERGER & POENSGEN GMBH 2,988,204
ELLENOR, CHRISTOPHER W. 3,071,104
ELLINGTON, ANDREW 2,961,493
ELLIOTT, RICHARD 2,982,708
ELLSON, RICHARD N. 3,127,492
ELLWANGER, COLLEEN 2,894,031
ELLWANGER, KRISTINA 2,953,992
ELMER'S WELDING & MANUFACTURING LTD. 3,008,122
ELMORE, DARRICK K. 3,131,301
ELSBORG OLESEN, CLAUS 2,986,611
EMCURE PHARMACEUTICALS LIMITED 3,044,636
EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC. 2,914,954
EMMERICH, MICHAEL 2,925,160
EMPL, GUNTER 3,038,406
EMPL, GUNTER 3,038,409
EMPYREAN MEDICAL SYSTEMS, INC. 3,071,104
ENCISO, JORGE 2,994,145
ENENKEL, MARTIN 3,010,745
ENERGY SOLUTIONS (US) LLC 3,001,565
ENGELHARDT, MICHEL 3,020,421
ENGELKE, AMBER LYNNE 2,981,360
ENGELKEN, SONKE 3,055,462
ENGELS, TOM ANTONIUS PHILOMENA 3,008,051
ENGIN, HATICE BILLUR 3,085,345
ENGLER, JEFFREY MARK 2,943,381
ENI S.P.A. 2,981,937
ENTASIS THERAPEUTICS LIMITED 2,966,632
EPIGENETIX, INC. 2,994,478
ERBLAT, BORIS 3,058,370
ERDEI, GABOR 3,032,296
ERFURT, HARRY 3,023,760
ERICKSON, GRANT 2,926,459
ERMANN, MONIKA 2,977,588
ERS FUEL INC. 3,025,190
ERSKINE PRODUCTS PTY LTD 2,994,022
ERSKINE-SMITH, CRAIG MATHEW 2,994,022
ERTEL, JASON R. 3,105,186
ERTHOS INC. 3,109,272
ERTL, THOMAS 2,937,969
ERWIN, JUSTIN WADE 3,026,219
ESBE AB 2,930,376
ESCALANTE, LAURENCE 3,012,736
ESENLIK, SEMIH 3,068,332
ESENLIK, SEMIH 3,068,762
ESENLIK, SEMIH 3,119,397
ESHKAR-SEBBAN, LORA 2,951,984
ESPERA-WERKE GMBH 3,000,287
ESPERA-WERKE GMBH 3,001,499
ESSILOR INTERNATIONAL 2,958,427
ESSILOR INTERNATIONAL 2,964,023
ESSILOR INTERNATIONAL 3,001,762
ESTABROOK, RICHARD M. 2,964,756
ESTELL, DAVID AARON 3,085,345
ESTES, ANDREW C. 3,105,929
ESTES, JEREMY B. 3,105,929
ETTA, LAUREN MARIE 3,153,172
ETTER, JEFFREY W. 2,998,170
EURO-CELTIQUE S.A. 2,950,374
EVAIN, GAEL 2,986,663
EVANS, MICHAEL J. 2,933,590
EVANS, PHILLIP 3,106,654
EVANS, ROBERT K. 2,927,431
EVERETT, MUNSON WHITMAN 2,977,772
EVNIN, LUKE 2,953,992
EVOLUTIONARY TOOLS, INC. 3,005,821
EVOTEC SE 2,977,588
EXPRO NORTH SEA LIMITED 2,971,537
EXTANG CORPORATION 3,083,689
EXXONMOBIL CHEMICAL PATENTS INC. 3,147,241
EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY 3,007,214
EZRA, KYLE ALLEN 3,158,540
F. HOFFMANN-LA ROCHE AG 2,980,407
F. HOFFMANN-LA ROCHE AG 2,982,708
F. HOFFMANN-LA ROCHE AG 3,119,666
FABRISONIC LLC 3,135,480
FABRIZIUS, MARTIN A. 3,166,866
FACCHINELLO, JEROME JAMES 3,134,352
FADELL, ANTHONY M. 2,926,459
FAIOLA, AURELIEN 3,025,687
FAIVELEY TRANSPORT TOURS 2,992,837
FAKOORIAN, SEYED ALI AKBAR 2,980,932
FALK, NANCY A. 2,979,132
FAN, JIA 3,094,576
FAN, SHUN 3,132,022
FAN, YU FELIX 2,986,191
FARASHAHI, BEHNOOSH GHAANI 3,195,611
FARMERS EDGE INC. 3,148,873
FARRUGIA, VALERIE 3,091,659
FARWICK, ALEXANDER 2,960,930
FATOR, CHARLES D. 2,917,217
FATRO S.P.A. 2,989,092
FATTAHI, HANIEH 3,054,470
FAVART, LUC 2,969,436
FAZIO, VINCENT 3,083,896
FECTEAU, MICHAEL T. 3,097,528
FEDERICO, CESARE 2,932,218
FEDEX CORPORATE SERVICES, INC. 2,938,870
FEDORKA, THOMAS 2,964,756
FEI, XIAOYIN 2,984,897
FELDMANN, WILLIAM MARK 3,115,074
FELLO, JOE P. 2,985,361
FELZIERE, MICHEL 3,051,804

Index of Canadian Patents Issued
October 3, 2023

FENG, CHAOWEI 3,154,893
FENG, MEILAI 3,109,996
FENTON, JEFF 2,610,294
FERENCIC, MATHIAS 2,989,372
FERGUSON, ERIC 2,957,280
FERGUSON, RICHARD H. 3,033,870
FERGUSON, THOMAS BRUCE, JR. 2,963,861
FERNANDEZ-ALCON, JOSE 2,917,889
FESTUCCIA, CLAUDIO 2,950,374
FESUS, ROBERT 2,967,041
FICAI, PAOLO 2,937,094
FIELD, BRADLEY JAMES 3,012,814
FIELD, MANNING R. 2,988,096
FILLIPOV, MIKHAIL 3,018,601
FILONOV, VLADIMIR 2,917,293
FINLAYSON, BLAKE 3,109,865
FINNERTY, CAINE M. 3,048,570
FIRST DATA CORPORATION 3,106,303
FISCHER, DANIEL 3,038,406
FISCHER, DANIEL 3,038,409
FISCHER, DANIEL 3,106,173
FISCHER, ERICH 2,988,204
FISHER CONTROLS INTERNATIONAL LLC 2,957,663
FISHER, JONATHAN 2,982,532
FISHER, PATRICK DAVID 2,998,640
FISHKIN, BRADLEY PHILIP 3,031,739
FISHKIN, BRADLEY PHILIP 3,031,743
FISHMAN, KALMAN 3,071,104
FITZGERALD, EDWARD DANIEL 3,009,170
FITZPATRICK, JAMES J. 3,069,439
FITZWATER, KELLY R. 3,125,778
FJ DYNAMICS TECHNOLOGY CO., LTD 3,132,022
FLAHERTY, JOSEPH 2,972,560
FLAMAND, JOHN HENRI 2,985,973
FLAMM, ALEX K. 2,983,698
FLANAGAN, JOHN J. 3,042,260
FLENDER GMBH 3,107,536
FLETCHER, MARY ANNE 2,954,741
FLETCHER, PAUL 3,109,475
FLEURY, CYRILLE AROUN KOUMAR 2,969,436
FLOORING TECHNOLOGIES LTD. 2,947,058
FLORES GALLARDO, SERGIO GABRIEL 2,911,752
FLOWCO PRODUCTION SOLUTIONS, LLC 2,921,179
FLOWCO PRODUCTION SOLUTIONS, LLC 3,093,125
FLOWSERVE PTE. LTD. 3,116,868
FLYAK, ANDREW I. 2,977,499
FLYING WHALES 3,081,938
FOGG, JAMES 3,129,837
FOGLE, THOMAS K. 2,985,361
FOLAN, MARTYN G. 3,095,163
FOLCHNANDT, MATTHIAS 3,141,755
FOLEY, ADAM J. 3,069,439
FOLEY, PETE 3,106,303
FOLKESSON, JENNY 2,901,052
FONDAZIONE IRCCS ISTITUTO NAZIONALE DEI TUMORI 2,961,275
FONDYGA, SARAH 3,093,858
FONG, CHEE WAI 2,968,523
FONG, KENTON D. 2,998,170
FONTAINE, MICHAEL P. 3,083,408
FONTAINE, PHILIP P. 2,996,615
FORD, COLIN P. 3,143,259
FORD, MICHAEL H. 3,089,317
FORNI, ALESSANDRA 2,958,194
FORSHEW, TIM 2,955,303
FORT, WILLIAM HARTMAN 3,056,894
FORT, WILLIAM HARTMAN 3,061,181
FORT, WILLIAM HARTMAN 3,071,407
FORT, WILLIAM HARTMAN 3,080,961
FOX, JUDITH A. 2,953,992
FOX, KEITH 2,991,193
FOX, LAURA 2,991,193
FOX, RUSSELL 3,166,891
FRACZEK, JUSTIN 3,092,241
FRAMATOME GMBH 3,128,914
FRANK, STEVEN J. 2,974,360
FRASER, CRAIG 3,021,550
FRASER, WILLIAM 3,110,361
FRASURE, DAVID WILLIAM 2,961,786
FRAUENDORF, CHRISTIAN 3,081,905
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,918,178
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,079,116
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,118,121
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,122,168
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,110,627
FRAZIER, JAMES CREATH 3,031,739
FRAZIER, JAMES CREATH 3,031,743
FREENEY, TIMOTHY ALAN 3,124,473
FREEZIO AG 3,038,406
FREEZIO AG 3,038,409
FRENZEL, STEFAN 3,015,143
FRESCHAUF, LAUREN R. 2,982,604
FRESTEMS OY 3,120,731
FREY, DANIEL 3,012,580
FREY, STEVEN M. 2,970,739
FREY, STEVEN OSCAR 3,018,575
FRIANEZA-KULLBERG, TERESITA 2,905,519
FRICKER, SEBASTIEN 3,001,762
FRIEDMAN, KEVIN 2,951,044
FRIESEN, MICHAEL I. J. 3,008,122
FRITSCH BAKERY TECHNOLOGIES GMBH & CO. KG 3,133,612
FRITZ, PETER JAMES 2,960,121
FROSZ, MICHAEL HENOCH 2,995,736
FRUNZIO, LUIGI 2,977,664
FRUNZIO, LUIGI 2,993,006
FU, QI 2,952,435
FUCEK, IVICA 2,953,992
FUCHS, GUILLAUME 3,122,168
FUCHS, YANNICK 2,995,644
FUJIFILM DIOSYNTH BIOTECHNOLOGIES UK LIMITED 3,010,545
FUJIKURA LTD. 3,048,873
FUJIMOTO, TAKESHI 3,141,421
FUJISHIMA, MASAYUKI 3,123,184
FULEP, CSILLA 3,032,296
FUNDACION TECNALIA RESEARCH & INNOVATION 2,967,716
FUNG, IAN 3,055,740
FUNK, TOBIAS 3,071,104
G WATER LLC 2,985,741
G6 MATERIALS CORP. 2,993,799
GABELLIERI, EMANUELE 2,932,218
GABORIT, VINCENT 2,969,436
GABRIELE, JOSEPH 2,994,331
GALEANO, CAROLINA 3,008,738
GALETTI, RALPH R. 3,126,074
GALINDO, DAVID CASTANO 2,972,560
GALL THOMSON ENVIRONMENTAL LIMITED 3,020,057
GALLAGHER, EMERSON 2,976,351
GALLAGHER, ERIC 3,133,055
GALLANT, MARC 2,988,326
GAMBLE, BAILEY 3,110,361
GAMBOGI, ROBERT J. 2,977,375
GAMEI, JAMES ALEXANDER 2,870,591
GANE, PATRICK A.C. 3,012,580
GANGLIN, CHEN 3,018,181
GANS, ADAM 2,916,673
GAO, HAN 3,068,762
GAO, HAN 3,119,397
GARANZOTIS, THEODOROS 2,972,194
GARATE, EUSEBIO 2,965,682
GARBER, SAMUEL 3,006,287
GARCIA, GUSTAVO MARCELO 3,166,866
GARCIA, GUSTAVO MARCELO 3,166,870
GARCIA-AVILA, MATIAS 3,109,173
GARGANO, ANGELO J. 3,095,399
GARLAND, TYLOR 2,979,846
GARTY, ASAF 3,058,370
GARVEY, THOMAS J. 2,906,759
GARVIN, GRAHAM 3,112,020
GASKELL, ALICE 2,948,351

GASPARIAN, AKOP 3,067,016
GASSEND, BLAISE 3,077,071
GATINEL, DAMIEN 2,994,211
GATZ, JOSEF 2,948,066
GAUDINO, JOHN 3,110,502
GAUFFIN, ANTON 3,087,629
GAZZANI, MATTEO 3,004,186
GBUR, RANDI K. 2,912,911
GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD. 3,121,658
GE-HITACHI NUCLEAR ENERGY AMERICAS LLC 2,993,001
GE-HITACHI NUCLEAR ENERGY AMERICAS LLC 3,155,316
GEBHARDT, SAMUEL 3,133,612
GEERNAERT, ADAM 3,096,355
GEISS, ALAN W. 2,820,282
GEITHMANN, MARTIN 2,953,887
GELEBART, JULIEN 3,025,331
GENCER, KAAN 3,101,619
GENCER, MEHMET A. 3,101,619
GENDERS, DAVID 2,989,434
GENENTECH, INC. 2,877,009
GENENTECH, INC. 2,903,596
GENERAL ELECTRIC COMPANY 2,923,290
GENERAL ELECTRIC COMPANY 2,925,345
GENERAL ELECTRIC COMPANY 2,946,560
GENERAL ELECTRIC COMPANY 3,020,421
GENERAL ELECTRIC COMPANY 3,045,623
GENERAL ELECTRIC TECHNOLOGY GMBH 2,926,850
GENERAL ELECTRIC TECHNOLOGY GMBH 2,988,454
GENERAL ELECTRIC TECHNOLOGY GMBH 3,000,879
GENEREUX, MARIE-CLAUDE 2,942,637
GENESYS CLOUD SERVICES HOLDINGS II, LLC 2,917,293
GENG, KUI 3,094,851
GENZYME CORPORATION 2,914,751
GEODYNAMICS, INC. 2,939,553
GEONNOTTI, ANTHONY R., III 2,977,375
GEORGE, KEVIN R. 2,939,553
GERBER, KRISTINA ANNE 2,923,290
GERBER, MANFRED 2,986,058
GERHARDT, ARMIN HENRY 2,921,937
GERIDEAU, BENJAMIN F. 2,914,954
GERLIGAND, PIERRE-YVES 2,931,565
GERSON, RONALD L. 2,988,933
GERSTLER, WILLIAM DWIGHT 2,925,345
GERTSCH, JURG 2,950,354
GESSET, STEPHANE 2,993,732
GEYER, CHRISTOPHER 3,045,522
GEYER, CHRISTOPHER 3,056,894
GEYER, CHRISTOPHER 3,061,181
GEYER, CHRISTOPHER 3,071,407
GEYER, CHRISTOPHER 3,080,961
GHANDIZADEHDEZFULI, ARMAN 2,966,936
GIANNINI, GIACOMO 3,009,574
GIBBONS, IAN 2,610,294
GIBBONS, IAN 3,081,708
GIBSON, KAREN A. 2,960,197
GIBSON, TIMOTHY W. 3,034,441
GIDMAN, ALEX 3,092,241
GILBERT, ROBERT OWEN 2,893,072
GILBERTSON, SARAH E. 2,981,181
GILETA, HEATHER 2,966,186
GILL, SUSAN R. 3,037,976
GILLET, JEAN-PHILIPPE 3,079,918
GILLETT, NICHOLAS ROSS 2,995,272
GILLEYLEN, RUSSELL C. 3,010,419
GILLIGAN, THOMAS B. 2,968,414
GILMARTIN, GARY 3,095,163
GIMENEZ, RODRIGO M. 3,141,755
GIRAUD, WILLIAM JULIUS MCPHIL 2,922,879
GIRAUD, WILLIAM JULIUS MCPHIL 3,084,229
GIRI, AWADUT GAJENDRA 3,014,572
GLAESMAN, CHAD WILLIAM 3,124,473
GLASS, STEPHEN C. 3,131,511
GLAXOSMITHKLINE CONSUMER HEALTHCARE (UK) IP LIMITED 2,982,650
GLENN, BRADLEY C. 2,915,961
GLEYSES, EVELYNE 3,111,895
GLOVINSKY, YOSEPH 3,038,016
GLUCKMAN, JONATHAN P. 2,993,292
GM MEASUREMENT SERVICES LIMITED 2,985,283
GODBER, ANTHONY MICHAEL 2,992,287
GOEDEGEBUUR, FRITS 3,085,345
GOEPPERT, ALAIN 2,931,941
GOEPPERT, ALAIN 2,973,572
GOGARTY, EMILY 3,114,820
GOGERTY, JOSEPH KEVIN 3,166,841
GOHDA, LEONA 3,090,067
GOISIS, MARCO 3,098,738
GOLAS, PATRICIA L. 2,977,375
GOLITSCHEK EDLER VON ELBWART, ALEXANDER 2,995,519
GONDALIYA, DEEPAK PRAGJIBHAI 3,044,636
GONEN, YUVAL 2,952,362
GONG, LIANG 3,110,531
GONZALEZ GARCIA, MARCO A. 3,116,865
GOODMAN, PAUL D. 3,100,547
GOODRICH CORPORATION 2,958,654
GOOGLE LLC 2,916,915
GOOGLE LLC 2,926,459
GOOGLE LLC 3,036,945
GOOGLE LLC 3,092,364
GORDON, MICHAEL 3,131,885
GOSLING, GEOFF 2,932,533
GOTA, HIROSHI 2,965,682
GOTZ, MARCUS RUDOLF 3,023,760
GOUGE, TIMOTHY D. 2,949,268
GOUHL, ERIK JEFFREY 2,952,260
GOVINDARAJAN, VENKAT 2,953,887
GPCP IP HOLDINGS LLC 3,013,045
GPCP IP HOLDINGS LLC 3,047,344
GPCP IP HOLDINGS LLC 3,060,212
GRABAWSKA, ANNA 2,980,885
GRADINGER, THOMAS 3,177,095
GRAFFAGNINO, CORINNE 3,093,666
GRANGE, DAVID 3,025,331
GRANGER, ERIC 2,968,458
GRANT PRIDECO, INC. 3,092,241
GRAPHENE LABORATORIES INC. 3,138,656
GRAPHIC PACKAGING INTERNATIONAL, LLC 3,104,186
GRAPHIC PACKAGING INTERNATIONAL, LLC 3,125,778
GRAPHIC PACKAGING INTERNATIONAL, LLC 3,143,259
GRAPHIKA, INC. 3,068,264
GRASSA, GIOVANNI 3,017,630
GRAVEL, JEAN-FRANCOIS 3,087,146
GRAY, TERRANCE DARRELL 3,173,561
GREEN, ALON 3,101,582
GREEN, RICHARD E., JR. 2,899,020
GREINER, HELEN 3,018,601
GREWAL, RANDEEP SINGH 2,994,145
GRIESGRABER, GEORGE W. 2,996,213
GRIFFIN, ANDREW 2,994,478
GRIFFITH, DAVID C. 2,982,911
GRIFFITH, HUGH 3,008,751
GRIMES, CHRISTOPHER J. 2,967,041
GRIPMETAL LIMITED 2,952,340
GRIPMETAL LIMITED 3,048,953
GROESCHEL, KERRY DWAYNE 2,994,145
GROLEAU, CLAIRE 2,986,663
GRON, HANNE 2,607,281
GROOTHORNTE, AREND HENDRIK 2,985,973
GROSROYAT, SYLVAIN 3,002,612
GROSS, STEPHEN F. 2,979,132
GROSZ, JOHN WILLIAM 3,060,212
GROUND TRANSPORTATION SYSTEMS CANADA INC. 3,101,582
GRUBB, SCOTT 2,964,756
GRUBER, ROBERT 3,107,536
GRUNEWALD, COREY JAMES 3,118,140
GU, ZHEN 2,983,289
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,025,573
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,118,269
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,121,922
GUBBELS, ERIK 2,990,904
GUENOT, JEANMARIE 2,953,992
GUENTERT, MATTHIAS 2,992,601
GUERRY, PATRICIA 2,961,883
GUIDOTTI, EMANUELE 2,984,878
GUIGNE, JACQUES 3,034,127

Index of Canadian Patents Issued
October 3, 2023

GUIHOT, HERVE 2,916,915
GUILLARD, ALAIN 3,056,430
GUILLOU, FLORENT 2,992,691
GUILLOUX, CYRIL 3,001,762
GUISOT, NICOLAS E. S. 2,951,504
GULATI, KAPIL 2,977,411
GULATI, KAPIL 2,986,068
GULFSTREAM AEROSPACE CORPORATION 3,109,865
GULIANA, SARGON 3,013,033
GUMLICH, KAI 3,015,143
GUO, ANDI 3,122,317
GUO, JIHUI 2,940,732
GUO, WEI 3,056,013
GUO, YI 3,049,291
GUPTA, ANKUR 3,082,253
GUPTA, GAURAV 3,110,627
GUPTA, HIMANSHU 3,082,253
GUPTA, VISHAL 3,117,951
GUPTAIL, DANIEL B. 3,152,897
GURJAR, MUKUND KESHAV 3,044,636
GUSTAFSSON, KENTH 2,982,532
GUSTIN BERGSTROM, MARIA 3,002,890
GUTMANN, PETER 3,026,811
GVILDYS, PAUL 2,917,293
GYORY, J. RICHARD 2,997,427
GYORY, JOHN RICHARD 3,070,266
GYRODATA, INCORPORATED 2,942,925
GYSAU, DETLEF 3,012,580
HA, HENGXU 2,988,454
HA, HENGXU 3,000,879
HAAKE, MARKUS 2,857,423
HAAPALAHTI, TEUVO 3,035,030
HAAS FOOD EQUIPMENT GMBH 3,022,885
HAAS, DOMINIC 3,117,394
HAAS, WILLIAM L. 3,124,119
HABBOOSH, AMIR W. 2,993,523
HACKER, ROBERT 2,967,041
HADAL, INC. 3,119,785
HADDACH, MUSTAPHA 2,978,571
HADEN, EGON 2,989,253
HADIMIOGLU, BABUR 3,127,492
HAEGEBARTH, ANDREA 2,696,047
HAGE, RONALD 3,013,690
HAGEN, BRIAN 3,096,572
HAILER, FREDRIK 3,119,666
HAINES, RICHARD 3,119,303
HAKENHOLT, CHRISTOPH 2,999,618
HALDENBY, PERRY AARON JONES 3,114,591
HALFORD, WILLIAM P. 2,933,697
HALLER, ERICH 2,964,657
HALLIBURTON ENERGY SERVICES, INC. 3,123,762
HALLIBURTON ENERGY SERVICES, INC. 3,124,473
HALLIBURTON ENERGY SERVICES, INC. 3,133,144
HALLIBURTON ENERGY SERVICES, INC. 3,141,603
HALLIBURTON ENERGY SERVICES, INC. 3,145,578
HALLIBURTON ENERGY SERVICES, INC. 3,152,813
HALO HANGERS LTD. 2,991,193
HAMAGUCHI, YASUHITO 2,607,281
HAMEL, SIMON 3,179,225
HAMILTON SUNDSTRAND CORPORATION 2,928,048
HAMILTON SUNDSTRAND CORPORATION 2,961,121
HAMILTON SUNDSTRAND CORPORATION 2,988,959
HAMILTON, MARCIE 2,961,757
HAMMES, BRIAN S. 3,047,344
HAMMOND, VICTORIA JODY 2,937,579
HAN, CHEOLKYU 3,126,689
HANAN, EMILY 2,982,708
HANAN, JAY CLARKE 2,992,669
HANBY, JOHN DAVID 2,917,217
HANKE, THOMAS 2,977,588
HANLIN, ANTHONY 3,125,585
HANLON, STEVEN PAUL 2,980,407
HANMI PHARM. CO., LTD. 2,950,718
HANMI PHARMACEUTICAL CO., LTD. 3,130,456
HANNY, JEAN-CLAUDE MARCEL AUGUSTE 3,025,331
HANSAL, SELMA 3,022,885
HANSAL, WOLFGANG 3,022,885
HANSEN, NIELS WORSOE 2,989,258
HANSTOCK, MICHAEL SEAN 3,135,395
HANUS, JAROSLAV 3,131,583
HARDESTY, JOHN T. 2,939,553
HARDMAN, NED J. 2,995,081
HARDY, CRAIG 2,957,050
HARKER, JAMES 3,123,521
HARRIS, WILLIAM 3,095,711
HARTENSTINE, CURTIS M. 3,040,510
HARVEST INTERNATIONAL, INC. 3,093,964
HARVEY, LISA 3,099,501
HARWICK, JAMES A. H. 2,993,012
HASHIMOTO, YOSHIO 3,048,873
HASSANZADEH, ARMIN 3,001,471
HATORI, TAKAYUKI 3,132,218
HATRIDGE, MICHAEL 2,977,664
HAUDENSCHILD, DOMINIK 3,000,633
HAUGE, GEIR STANG 3,013,181
HAUPTMANN, JUDITH 3,081,905
HAUSNER, SVEN H. 2,945,945
HAVUKAINEN, PAULI 3,055,873
HAWAWINI, SHADI 2,996,875
HAWLEY, STEVE 2,996,875
HAY, DAVID 3,109,468
HAYDEN, MICHAEL 3,050,700
HAYES, CHRISTOPHER 2,980,885
HAYES, HOWARD 3,034,441
HE, CHUNHONG 2,981,661
HE, HAIYING 3,123,473
HEALD, ROBERT ANDREW 2,982,708
HEATH, ALEX 3,050,980
HECK, JAMES A. 2,999,285
HEERES, REINIER 2,993,006
HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD. 3,121,658
HEFFNER, ELLIOT LEE 3,166,891
HEHR, ADAM J. 3,135,480
HEIDELBERG MATERIALS AG 3,098,738
HEIDEMAN, PAUL 3,038,738
HEIKURINEN, KARL 2,930,755
HEILMAYER, WERNER 2,989,372
HEINS, JOHN 2,924,333
HEISE, CHARLES 3,010,545
HEISLER, JAMES 2,951,649
HELGERSON, JOEL 3,112,020
HELGESEN, SCOTT E. 2,983,882
HELLESOE, BERNT HENRIK 3,083,632
HELMICK, MARC 2,986,440
HELSETH, JAMES R. 3,017,783
HENDERSON, BART 2,906,782
HENDERSON, KEVIN J. 2,940,732
HENDRICKSON USA, L.L.C. 2,990,729
HENDRICKX, LEONARDUS JOHANNES MARIA 3,166,836
HENDRICKX, LEONARDUS JOHANNES MARIA 3,166,883
HENKE, GARY EDWARD 3,166,891
HENRY COMPANY, LLC 2,959,739
HENRY, KEVIN 2,938,870
HENRY, RAYMOND CHARLES, JR. 2,993,643
HERAEUS MEDICAL GMBH 3,095,395
HERNANDEZ, DAVID 3,117,896
HERNANDEZ, ERIK 2,961,493
HERRERA, ROBERT LEE 3,011,450
HERRICK, SCOTT 3,008,403
HERRMANN, CHRISTOPH 2,996,434
HERSHEY, DAVE E. 2,983,698
HESLOUIS, MELANIE 3,001,762
HETTMANN, KAI MAX 3,012,580
HICKS, JOHN KENNETH 2,937,579
HICKS, KEVIN 3,125,783
HIDALGO BETANZOS, JOKIN 2,967,716
HIDDESSEN, AMY L. 3,140,602
HIETARANTA, MARKO 3,120,731
HIETARANTA, MARKUS 3,120,731
HIGGINBOTTOM, REBECCA VERNON 3,118,460
HIGGINS, KEVIN M. 2,941,774
HILADO, RUDY R. 3,098,998
HILFIKER, ROLF 3,141,737
HILLE, DAVID G. 3,082,128
HILLE, THOMAS 3,051,150
HILLER, JONATHAN 2,982,074
HILTI AKTIENGESELLSCHAFT 2,999,618
HILTI AKTIENGESELLSCHAFT 3,000,788
HINCHEY, VICTORIA 3,056,894
HINDEN-KUHLES, NATALIE 2,992,601
HINDSON, BENJAMIN J. 3,140,602
HINES, PAUL STEVEN 3,089,201
HINKLIN, RONALD JAY 3,110,502
HINOJOSA, CHRISTOPHER DAVID 2,917,889

Index des brevets canadiens délivrés
3 octobre 2023

HINOVA PHARMACEUTICALS INC. 3,125,058
HINSMANN, PETER 2,989,372
HINTEMANN, DAMIAN 2,918,178
HIPSKIND, JOHN DANIEL 2,984,897
HIPSKY, HAROLD W. 2,928,048
HIPSKY, HAROLD W. 2,988,959
HIRABAYASHI, MITSUHIRO 2,947,549
HIRSCHMANN, AARON 2,967,041
HIRST, THOMAS T. 3,147,241
HK INNO.N CORPORATION 3,107,624
HOBDEN, STEPHEN 3,109,468
HOBDEN, STEPHEN 3,109,475
HOCHMUTH, JOHN K. 2,952,435
HOEGER, MICHAEL V. 3,089,980
HOEKSTRA, EDO 2,893,718
HOFFMAN, RICHARD C., JR. 2,995,618
HOFFMANN, PIERRE-ALAIN 3,111,895
HOFFMANN, ROLF 2,957,408
HOFMANN, GLENN 2,844,768
HOGABOAM, CORY M. 2,823,913
HOGGARTH, ANDREW 2,957,050
HOHL, JOHANNES-WALTER 2,996,434
HOHLRIEDER, MARTIN 2,957,408
HOLLAND, DARYL 3,129,837
HOLLANDER, OREN 2,904,813
HOLLISTER INCORPORATED 3,069,439
HOLLOWAY, SCOTT RICHARD 3,023,035
HOLM PEDERSEN, THOMAS 2,986,611
HOLMES, ELIZABETH A. 2,610,294
HOLMES, ELIZABETH A. 2,903,839
HOLMES, ELIZABETH A. 3,081,708
HOLTMAN, KEVIN M. 3,047,344
HONG, DONG JIN 3,130,456
HONG, DONGDENG 3,109,996
HONJO, SHIGEFUMI 2,926,459
HOPWOOD, DALE FRANK 3,141,603
HOQUE, ENAMUL 2,900,769
HORTON, DAVID 2,946,637
HOSPICES CIVILS DE LYON 2,959,671
HOSSAIN, SK SAMAD 2,915,357
HOSTYN, STEVEN ANNA 2,996,989
HOTALUX, LTD. 3,113,928
HOTZEL, ISIDRO 2,877,009
HOU, GUOJING 3,102,931
HOUGH, ROBERT CHARLES 2,934,722
HOWARD, JOHN 2,610,294
HOYE, JESSICA LYNN ROLL 3,062,959
HREN, WILLIAM J. 2,990,968
HSIAO, ALEXANDER 2,950,335
HSU, HUAN-HSUAN 2,900,769
HU, GUOPING 3,123,473
HU, NAN XING 3,102,019
HU, WENQI 3,104,383
HUANG, FENGHONG 3,119,367
HUANG, JINGWEN 3,088,914
HUANG, LINGCHEN 3,062,966
HUANG, LU 3,003,122
HUANG, ZHENGZHENG 3,102,261
HUANGFU, YOURUI 3,062,966
HUAWEI TECHNOLOGIES CO., LTD. 2,984,692
HUAWEI TECHNOLOGIES CO., LTD. 3,013,655
HUAWEI TECHNOLOGIES CO., LTD. 3,047,498
HUAWEI TECHNOLOGIES CO., LTD. 3,049,291
HUAWEI TECHNOLOGIES CO., LTD. 3,057,725
HUAWEI TECHNOLOGIES CO., LTD. 3,062,362
HUAWEI TECHNOLOGIES CO., LTD. 3,062,966
HUAWEI TECHNOLOGIES CO., LTD. 3,066,961
HUAWEI TECHNOLOGIES CO., LTD. 3,068,332
HUAWEI TECHNOLOGIES CO., LTD. 3,068,762
HUAWEI TECHNOLOGIES CO., LTD. 3,072,679
HUAWEI TECHNOLOGIES CO., LTD. 3,111,628
HUAWEI TECHNOLOGIES CO., LTD. 3,111,679
HUAWEI TECHNOLOGIES CO., LTD. 3,119,397
HUBBELL INCORPORATED 2,971,709
HUBEI BIO-PHARMACEUTICAL INDUSTRIAL TECHNOLOGICAL INSTITUTE INC. 3,003,122
HUBER, MARINUS 3,054,470
HUBER, SABINE 3,008,738
HUBERT, MARC 3,025,687
HUENNEKES, EDGAR 3,008,738
HUFF, FREDERICK C. 2,914,954
HUGHES, MICHAEL D. 3,010,419
HUGHES, MORGAN M. 2,996,615
HUGHETT, JAMES DAVID 3,099,578
HULCE, JONATHAN 2,980,010
HULME, LEONARD D. 3,081,190
HUMANSCALE CORPORATION 2,997,080
HUMANWELL HEALTHCARE (GROUP) CO., LTD. 3,003,122
HUMMINGBIRD DIAGNOSTICS GMBH 2,978,368
HUMPHRIES, MARTIN 3,001,804
HUNG, AKY 3,055,740
HUNTER, RICHARD D. 3,118,107
HUNTSMAN INTERNATIONAL LLC 3,009,574
HUO, JUNYAN 3,121,922
HURD, COLIN JOSH 3,120,202
HURST, JASON M. 2,990,229
HUSSEIN, F. DAVID 3,104,497
HUSZ, AARON MICHAEL 2,995,469
HUT, ALAIN 3,001,197
HUTCHINSON, PETER 2,971,610
HUTCHISON, RICHARD MARTIN 3,097,584
HUTTER, JAMES 3,066,370
HUUUGE GLOBAL LTD. 3,087,629
HWANG, CHARLES 2,997,427
HWANG, JI YOUNG 3,130,456
HWANG, SANG YOUN 2,950,718
HYATT, ANTHONY 2,938,870
HYDRANT INTERNATIONAL TRADING CO., LTD. 2,939,909
HYDROCARBON TECHNOLOGY & INNOVATION, LLC 2,997,165
HYDROMINE NUCLEAR ENERGY S.A.R.L. 3,022,371
HYZIN, CHRISTOPHER 3,097,630
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI 3,009,056
IDEVICES, LLC 2,957,280
IDING, HANS 2,980,407
IDSO, SVEIN TORE 3,013,181
IFP ENERGIES NOUVELLES 2,951,353
IFP ENERGIES NOUVELLES 2,956,372
IFP ENERGIES NOUVELLES 2,992,691
IGT 2,941,774
IGUS GMBH 3,095,807
IHDE, JEFFREY R. 3,081,908
IHI CORPORATION 3,090,067
II-VI DELAWARE, INC. 3,039,382
IKARI, MASANORI 2,979,022
IKEDA, MASAYUKI 3,115,748
IKONEN, ELIAS 2,952,881
ILINYKH, PHILIPP 2,977,499
ILLINOIS TOOL WORKS INC. 3,009,477
ILLINOIS TOOL WORKS INC. 3,081,908
ILLINOIS TOOL WORKS INC. 3,089,201
ILLINOIS TOOL WORKS INC. 3,089,980
ILLINOIS TOOL WORKS INC. 3,097,584
ILLINOIS TOOL WORKS INC. 3,115,060
ILLINOIS TOOL WORKS INC. 3,115,074
ILLUMINA, INC. 2,950,335
IMAHASE, TOSHIHIRO 3,141,421
IMAKAWA, KAZUNARI 3,015,441
IMET CORPORATION 3,101,619
IMMUNWORK INC. 3,151,394
IMPERINETTI, PIERRE 2,920,648
INAGAKI, MICHIHIRO 3,096,355
INAMOTO, SHIGENORI 2,994,624
INCYTE HOLDINGS CORPORATION 2,981,661
INDENA S.P.A. 2,988,478
INDUSTRIE DE NORA S.P.A. 3,039,948
INFINEUM INTERNATIONAL LIMITED 2,934,722
INGBER, DONALD E. 2,917,889
INGHARDT, TORD 2,963,166
INGRAM, BENJAMIN 3,077,071
INGRAM, JOHN 3,006,436
INGRAM, THOMAS 3,007,965
INGURAN, LLC 2,968,414
INMOTIVE INC. 3,093,858
INNIO JENBACHER GMBH & CO OG 3,123,302
INNOVATECH, LLC 3,123,521
INNOVATIVE BUILDING TECHNOLOGIES, LLC 3,118,407

Index of Canadian Patents Issued
October 3, 2023

INNOVEX DOWNHOLE SOLUTIONS, INC. 2,985,340
INOUE, HIROTAKA 3,095,320
INOUE, JUMPEI 3,096,355
INSTITUT NATIONAL D'OPTIQUE 3,034,107
INSTITUT NATIONAL D'OPTIQUE 3,087,146
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM) 2,959,671
INTELLIGENT SCIENCES LTD. 3,034,127
INTERNATIONAL - DRUG - DEVELOPMENT - BIOTECH 2,959,671
INTEX HOLDINGS PTY LTD 2,984,158
INTUIT INC. 3,056,277
INTUIT INC. 3,090,497
INTUIT INC. 3,116,054
INTUIT INC. 3,119,996
INUI, MASAYUKI 3,109,509
INUZUKA, RIKO 3,111,133
IRKA, PHILIP 2,987,637
ISAACSON, RAY 3,126,456
ISAAK, JOHANN 3,078,873
ISHCHENKO, ALEXEY 3,042,260
ISHII, KOUTAROU 3,152,383
ISHIKAWA, TOMOKI 3,132,218
ISKANDAR, JOSEPH 2,997,427
ISLAND ABBEY FOODS LTD. 2,961,967
ISRAELI, NIR 3,038,016
ITALIANO, JOSEPH 2,896,997
ITREC B.V. 2,989,541
IVIE, BRADLEY S. 3,010,419
IWASA, GO 3,134,883
IZADI, ARMAN 3,077,276
J. W. SPEAKER CORPORATION 2,989,576
JACEK, STEVEN 3,106,654
JACKSON, JENNIFER ANNE 3,015,143
JACKSON, MICHELLE 3,085,345
JACOBS, KENNETH MICHAEL 2,963,861
JACOBSSON, LENA 3,002,890
JACQUEMOT, GUILLAUME 2,994,478
JADERBERG, JOHAN 3,024,014
JAIN, ASHWINKUMAR 3,100,144
JAIN, SIDDHARTHA 3,119,697
JAMES, JUDITH ANN 3,116,539
JAMES, TIMOTHY ROBIN 2,977,588
JAMIESON, EDWARD ALLAN 3,050,980
JAMISON, DALE 3,152,813
JAMISON, DALE E. 3,070,157
JANCZURA, KRZYSZTOF 2,996,993
JANDERS, MIKE 2,983,698
JANG, YOU-JIN 3,099,668
JANKO, PAVEL 2,962,632
JANSEN, JACO 3,141,506
JANSEN, MAURITS PETRUS MARIA 3,141,506
JANSSEN PHARMACEUTICA NV 2,960,972
JANSSEN PHARMACEUTICA NV 2,991,765
JANSSEN PHARMACEUTICA NV 2,996,989
JANSSEN PHARMACEUTICA NV 3,006,237
JAPAN CASH MACHINE CO., LTD. 3,098,659
JAPAN TOBACCO INC. 3,096,355
JAQUISH, MATTHEW JEFFREY 3,118,140
JARJES-PIKE, RICHARD 3,002,418
JARVINEN, JARI 3,112,553
JASMIN, SIMON 2,920,582
JAVANMARDI, BEHNAM 2,950,335
JAVIT, MAXIME 2,997,496
JAYARAMAN, VASANTH 2,979,052
JEAN, PHILIPPE 2,929,477
JEANSON, ISABELLE 2,956,057
JEFFORDS, JASON 3,018,601
JEGBEFUME, ONYEMELEM 2,942,925
JENSEN, STEEN 3,006,626
JEONG, HANEUL 3,107,624
JEONJIN BIO CO., LTD. 3,088,618
JEURKAR, CHITRA 2,999,285
JFE STEEL CORPORATION 3,095,320
JI, PENG FEI 2,967,072
JIANG, DAYUE 3,071,856
JIANG, LIANG 2,993,006
JIANG, LIBIN 2,986,068
JIANG, WEIRONG 3,118,460
JIN, HEE KYUNG 3,097,685
JIN, JINGLING 3,072,178
JIRASCHEK, STEFAN 3,022,885
JOBANPUTRA, RISHI 3,096,355
JOGLEKAR, AJINKYA P. 2,988,096
JOHANSON, JAMES 3,116,619
JOHE, KARL K. 3,036,571
JOHNSON & JOHNSON CONSUMER INC. 2,977,375
JOHNSON & JOHNSON VISION CARE, INC. 2,931,565
JOHNSON, AMBER 2,961,493
JOHNSON, BRIAN B. 2,964,756
JOHNSON, BRIAN D. 3,012,262
JOHNSON, KYLE 2,985,877
JOHNSON, LENAE V. 3,083,408
JOHNSON, ROBERT C. 3,114,197
JOHNSON, SAM 3,018,601
JOHNSTON, CHRIS MICHAEL 3,076,843
JOHNSTON, EVERETT H. 2,985,340
JOHNSTON, MARK 3,050,449
JOHNSTONE, SHAWN 2,994,478
JOINT STOCK COMPANY"ATOMENERG OPROEKT" 3,068,559
JONES, BENJAMIN I. 3,124,964
JONES, OWEN THOMAS 2,997,863
JONES, RUSSELL MARK 2,996,989
JONES, SEVERINE DANIELLE 2,977,588
JOSEPH, BENJAMIN ISAIAH 2,990,229
JOSS, LISA 3,004,186
JOURDE, BASTIEN 3,031,748
JOURDE, BASTIEN 3,031,749
JOURDIER, ETIENNE 2,956,372
JOY GLOBAL SURFACE MINING INC 2,990,968
JOY GLOBAL UNDERGROUND MINING LLC 3,033,879
JPMORGAN CHASE BANK, N.A. 2,988,096
JUAN, ALEJANDRO JOSE 3,054,054
JUBIN, PHILIPPE F. 2,931,565
JULIEN, PHILIPPE 3,120,229
JUMPCODE GENOMICS, INC. 2,940,669
JUNG, JULIA 3,106,144
JUNG, SEUNG HYUN 3,130,456
JUNG, SUNG YOUB 2,950,718
JUNG, TEA SUNG 3,088,618
JUNG, ULRICH 3,001,499
KABBANI, ISSAM 3,083,632
KACZMARCZYK, STANISLAW J. 2,934,075
KADE, CARLOS ALEJANDRO 3,044,826
KADE, MATTHEW J. 2,912,911
KAGAMI, MASAHARU 2,994,624
KAJITA, MARCOS SUGURU 2,978,910
KALIAMOORTHI, AMUDHA 3,009,459
KALJUSTE, KALLE 2,951,494
KALLURI, RAGHU 2,905,081
KALOGERAKIS, ARIS 3,002,418
KALSS, GEORG 3,022,885
KALWA, NORBERT 2,947,058
KAMAT, RAJEEV G. 3,110,293
KAMEDA, TSUNEJI 3,111,133
KAMENEV, MIKHAIL 3,062,966
KAMERBEEK, RALF 2,985,973
KAMES, EDWARD D. 2,966,186
KAMESWARA SRIKAR, SISTA 3,120,229
KAMIJO, MASAMI 2,994,624
KAMIJO, TAKASHI 3,109,357
KAMIJO, TAKASHI 3,109,449
KAN, WEIJUAN 3,122,317
KANER, RICHARD B. 3,083,254
KANG, HONGJUN 3,126,689
KANG, HYUN JI 3,107,624
KANG, JINYOUNG 2,990,247
KANSAI PAINT CO., LTD. 2,998,833
KANTOR, RYAN ALEXANDER 3,060,212
KAPER, THIJS 3,085,345
KAPILA, MUKESH 3,133,144
KAPUR, SHIRIN 2,918,530
KARAZIVAN, NAIM 2,937,969
KAREIS, CHRISTOPHER M. 3,033,870
KARKKAINEN, HANNA-RIIKKA 3,131,796
KARL, ADAM PETER, IV 3,031,739
KARL, ADAM PETER, IV 3,031,743
KARLSSON, ANDREAS 2,978,723
KARLSSON, OLA 3,111,003
KARSHAFIAN, KHACHIC CHRIS 3,173,282
KASTANEK, RAYMOND S. 3,125,778
KATAGIRI, AKIHIRO 3,115,748
KATARIYA, AMIT MADANLAL 2,972,193
KATIEB, RALPH 2,969,141

Index des brevets canadiens délivrés
3 octobre 2023

KATZBERG, RICHARD W. (DECEASED) 3,066,884
KAUFMAN, AMIT 2,904,813
KAUTEC TECHNOLOGIES, S.A.P.I. DE C.V. 2,911,752
KAVANAUGH, JACK 3,083,254
KAWAHARA, SHINYA 3,090,067
KAZANZIDES, PETER 2,960,725
KDESIGN GMBH 3,142,375
KEEDER, KAREN 2,984,456
KEEGAN, WILL 3,055,740
KEENAN, RICH 2,961,757
KEHLENBECK, ANDREW 3,045,301
KEHRES, CLINTON E. 2,990,229
KEIM, NATHAN 2,985,877
KELLER, ANDREAS 2,978,368
KELLER, RALF 3,117,426
KELLEY, ROBERT A. 2,978,898
KELLOGG COMPANY 2,984,456
KELLOGG COMPANY 2,990,467
KELLY, DAVID G. 2,929,412
KELLY, JAMES 2,969,436
KELLY, JOHN W. 3,068,264
KEMP, MATTHEW J. 2,957,663
KEMP, TIM 2,610,294
KENDALL, ALEXANDER 3,093,666
KENDALL, JAMIE 2,983,698
KENNEDY, ROLAND 3,092,241
KENNELL, CHRISTOPHER 3,103,757
KENNOVIN, GORDON 3,008,751
KERENDIAN, HORMOZ 2,990,729
KERIMOV, ABDULLA 3,098,042
KERR, CECILIA 3,157,485
KETKAR, ANIRUDDHA 3,011,450
KEYES, FEENAGH 2,963,166
KHAIRKHAHAN, ALEXANDER K. 2,934,182
KHAIRNAR, LALIT SUBHASH 2,982,359
KHAN, BABAR 2,872,911
KHRAMOV, MIKHAIL 3,131,301
KHURANA, TARUN 2,950,335
KIDDE TECHNOLOGIES, INC. 2,961,786
KIERSTEAD, PAUL H. 2,912,911
KIISKI, ULLA 2,952,881
KILLEN, DALE H. 2,942,409
KILLIAN, ERICKA LYNN 2,940,732
KIM, AHRONG 3,107,624
KIM, BONG TAE 3,107,624
KIM, BYUNGJI 2,990,247
KIM, DONGKYU 3,107,624
KIM, EUN JI 3,107,624
KIM, EUN KYUNG 3,107,624
KIM, HONG MO 3,167,167
KIM, INSU 3,099,668
KIM, JAE MIN 3,107,624
KIM, JONG MYUNG 3,116,388
KIM, MOONHWAN 3,126,689
KIM, SEO HEE 3,130,456
KIM, SEUNG SU 2,950,718
KIM, SEUNGHWAN 3,088,026
KIM, TAE GYU 3,088,618
KIM, WOONKI 3,099,668
KING, BRIAN E. 3,096,710
KING, JENNIFER EILEEN 3,056,894
KING, JENNIFER EILEEN 3,061,181
KING, JENNIFER EILEEN 3,071,407
KING, JENNIFER EILEEN 3,080,961
KING, MELANIE 3,112,553
KING, STEVEN PAUL 3,166,866
KING, STEVEN PAUL 3,166,870
KING, STEVEN PAUL 3,166,877
KING, STEVEN PAUL 3,166,882
KIRK, CHRISTOPHER J. 2,918,530
KISHIMOTO, TAKASHI KEI 2,910,417
KISLIN, ALEX ALBERT 3,000,172
KITAMURA, YASUTAKA 2,994,624
KIVIMAKI, ILKKA 3,079,298
KL-KEPONG OLEOMAS SDN BHD 2,968,523
KLAERNER, GERRIT 2,912,911
KLAVUHN, TORY A. 3,116,865
KLEIN, DAVID 3,131,511
KLEINIKKINK, ALBERT JOHN 2,924,908
KLENK, ALAN R. 2,934,182
KLIMAS, NANCY 2,954,741
KLINE, ERIN G. 2,928,048
KLINE, ERIN G. 2,988,959
KLINK, RICHARD 3,105,186
KLINKER, ERIC J. 3,001,471
KLOBES, OLAF 3,141,755
KLUCK, SCOTT M. 3,124,119
KLUCK, STEFAN 3,108,963
KLUGE, THOMAS 3,095,395
KNACKMUSS, STEFAN 2,953,992
KNIGHT, NIGEL 3,115,060
KNIGHT, PETER 2,992,287
KNOCK, AARON P. 3,049,071
KNOENER, CRAIG STEVEN 3,009,477
KO BIOLABS, INC. 3,099,668
KO, CHUNGDUCK 2,971,709
KO, GWANG PYO 3,099,668
KO, PEY-JIUN 2,903,839
KOBAYASHI, KOEI 2,878,644
KOBAYASHI, SHOHEI 3,111,133
KOCH, DALE 2,989,818
KOCH, DALE 2,999,077
KOCH, KYLE C. 3,057,928
KOCH-GLITSCH, LP 3,011,088
KODIAK SCIENCES INC. 3,039,426
KOEPPEL, ADAM R. 2,945,171
KOHLHAAS, JOCHEN 2,978,368
KOLB, KLAUS 2,958,157
KOLETSCHKA, THOMAS 3,045,522
KOLETSCHKA, THOMAS 3,056,894
KOLETSCHKA, THOMAS 3,061,181
KOLETSCHKA, THOMAS 3,071,407
KOLETSCHKA, THOMAS 3,080,961
KOLHAR, POORNIMA 2,901,052
KOMET, ISRAEL 3,007,388
KOMIVES, DAVID WAYNE 3,131,885
KONINKLIJKE DOUWE EGBERTS B.V. 2,985,973
KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN 2,696,047
KONISHI, JUNICHI 3,123,184
KONITZER, DOUGLAS GERARD 3,045,623
KONRAD, KARL 2,983,698
KONUKOGLU, HAKAN 3,086,287
KOO, MOONMO 3,088,026
KOPECEK, HERBERT 3,123,302
KOPIETZ, LUKAS 2,918,178
KOPP, BROCK 2,987,637
KOROSI, VIKTORIA 2,992,601
KORPMAN, RALPH A. 3,098,998
KORSE, SRIKANTH 3,122,168
KORTE, FREDERICK S. 3,130,775
KORTHAUER, MARCUS 3,000,287
KORUS, ANTON 3,094,492
KOSCIELNY, CHADWICK BRUCE 3,135,686
KOSTKA, JAMES MICHAEL 2,925,345
KOTECHA, SAGAR 3,111,628
KOTRA, ANAND MEHER 3,068,332
KOTRA, ANAND MEHER 3,068,762
KOTRA, ANAND MEHER 3,119,397
KOTTER, MAIK 3,125,926
KOVAL, MICHAEL CAP 3,056,894
KOVAL, MICHAEL CAP 3,061,181
KOVAL, MICHAEL CAP 3,071,407
KOVAL, MICHAEL CAP 3,080,961
KOVATCHEV, BORIS P. 3,027,019
KRAEMER, ALAN 2,966,186
KRAFT FOODS GROUP BRANDS LLC 2,981,360
KRAHN, JOHN RAYMOND 2,993,001
KRAMB, KEVAN 3,089,317
KRASHENINNIK, NADIA NIKOLAYEVNA 3,138,109
KRAUS, MARTIN W. 2,952,435
KRAUSZ INDUSTRIES LTD. 2,918,203
KRAUSZ, FERENC 3,054,470
KRECKEL, RICHARD 2,981,129
KRISHNAMURTHY, HARI KRISHNAN 2,979,052
KRISHNAMURTHY, MAHESH 3,050,449
KRISHNAN, SUMANT 2,969,436
KROSAKIHARIMA CORPORATION 3,141,421
KRUGER, MARC 3,038,406
KRUGER, MARC 3,038,409
KRUSE, PETER 2,900,769
KT&G CORPORATION 3,116,388
KU, CHWEN-YUAN 3,071,104
KUBES, PAUL 2,939,266
KUBO, DAIKI 3,132,218
KUDO, TAKAHISA 3,096,355
KUDRYAVTSEV, MIKHAIL YURYEVICH 3,088,386
KUECH, FABIAN 3,122,168
KUHLMANN, HERVE 3,081,938
KUHN, PAUL 2,990,309
KULAK, NILS A. 2,989,261
KULKARNI, RAHUL VILAS 3,110,293
KULKARNI, RAVINDRA NARAYAN 3,101,286
KULKARNI, SANTOSH S. 3,014,572
KUMAR, ANIL 3,010,419
KUMAR, BIJU PILLAI 3,010,419

KUMAR, DEEPAK 3,120,229
KUMAR, RAVINDRA 2,962,197
KUMAR, SEEMA 2,996,875
KUMAR, SRICHARAN KALLUR PALLI 3,116,054
KUMAR, SURENDER 3,034,441
KUMAR, VIJAY 3,044,826
KUMBHAR, PRAMOD SHANKAR 2,972,193
KUNDING, ANDREAS HJARNE 2,999,795
KUNG, CHARLES 2,989,111
KUNJACHAN, GEORGE CHIRAMATTEL 3,056,277
KUNKEL, LORI 2,953,992
KUNKEL, STEVEN L. 2,823,913
KUNZ, DALE 3,023,629
KUNZEL, ANDREAS 2,981,129
KUNZI, FABRICE 3,045,301
KURKI, ANTTI 3,055,873
KURKIPURO, JERE 3,131,796
KUZNETSOV, STEPHEN 2,971,617
KVISTGAARD, ANNE STAUDT 2,916,821
KWON, SE CHANG 2,950,718
KYANOS BIOTECHNOLOGIES 3,111,895
KYUNGPOOK NATIONAL UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION 3,097,685
L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE 3,056,430
LABCYTE INC. 3,127,492
LABEAU, MARIE-PIERRE 2,967,072
LABELLE, MARC 2,986,611
LABRADOR DIAGNOSTICS LLC 2,610,294
LABRADOR DIAGNOSTICS LLC 3,081,708
LABRENZ, JAMES N. 2,983,882
LACHNER, RAINER 3,088,626
LAGACE, CHAD 3,116,619
LAGANIS, EDWARD J. 2,998,757
LAI, TENG 3,135,509
LAIL, MARTY 2,919,752
LAIRD, ELLEN 3,110,502
LAKATA, MARK T. 2,983,882
LAKSHMI SHARAN LAL, DHARMVEER 3,009,459
LAL, ASHISH KUMAR 3,067,020
LAMB, WILSON CHRISTOPHER 2,993,643
LAMETSCHWANDTNER, GUENTHER 2,977,588
LAMMERS, SHAWN D. 2,993,169
LAN, CHUN 3,082,128
LANDMARK GRAPHICS CORPORATION 3,064,383
LANDMARK GRAPHICS CORPORATION 3,070,157
LANDMARK GRAPHICS CORPORATION 3,116,482
LANE, BENJAMIN R. 2,983,698
LANE, NATHAN 3,098,042
LANERYD, TOR 3,177,095
LANG, JOHANNES 3,133,612
LANGMACK, CLARK B. 3,101,619
LANGSETH, STEFFEN 3,070,226
LANKFORD, PETE 3,099,243
LANZA, BENJAMIN CASEY 3,031,739
LANZA, BENJAMIN CASEY 3,031,743
LAOS, MARIT 2,951,494
LAPIDOT, SHAUL 3,024,308
LAPMASTER WOLTERS GMBH 3,100,180
LAPOINTE, PIERRE 2,988,933
LAPORTE, CHRISTOPHE 3,012,580
LAPS, STIJN 3,006,237
LAREAU, LIANA F. 2,899,020
LARNER, WILLIAM TAD 2,958,654
LAROCHE, CHRISTOPHE R. 3,001,471
LAROSA, ANTHONY J. 2,998,757
LAROSE, ROBERT 3,081,360
LARROW, CHET B. 2,983,698
LARSON, DAVID A. 3,122,521
LARSON, SIMON 3,135,833
LARSSON, PER-AKE 2,930,376
LATH, ADRIT 2,903,839
LAVALLEE, PIERRE 3,152,581
LAVAZZA PROFESSIONAL UK LIMITED 3,109,468
LAVAZZA PROFESSIONAL UK LIMITED 3,109,475
LAVI, GILAD 3,038,016
LAWRENCE, DAVE 3,017,630
LAZZARO, ANTHONY A. 3,126,074
LE CORRE, NICOLAS 2,935,753
LE GUEN, SOPHIE 2,926,459
LE MAIRE, MARIELLE 3,026,566
LE NEEL, DIDIER 3,001,939
LEAH, THOMAS DAVID 3,099,501
LECCI, CRISTINA 3,002,418
LECKELT, LINDSEY 2,831,972
LEDDARTECH INC. 3,125,718
LEDDEN, DAVID 3,067,020
LEDDY JOHN 2,842,810
LEDERER, ROBERT 3,070,218
LEDERGERBER HINDERLING, CHRISTINE 3,083,632
LEDROZ, ADRIAN GUILLERMO 2,942,925
LEE, BAE KEUN 3,118,269
LEE, DAVID EDWARD 2,995,469
LEE, DONG HOON 3,167,167
LEE, DONG WON 2,997,549
LEE, JAE YOUNG 2,997,549
LEE, JAN 2,998,170
LEE, JI WON 3,107,624
LEE, JIN HYUNG 2,994,942
LEE, JIN- WOO 3,099,668
LEE, JOHN JONG-SUK 3,114,591
LEE, JONG IK 3,116,388
LEE, JUNE-CHUL 3,099,668
LEE, KANG HYEOK 2,997,549
LEE, KENNETH 2,983,944
LEE, KI SUNG 2,997,549
LEE, KIJOON 2,914,368
LEE, MOO YOUNG 2,990,968
LEE, SUNBAE 3,096,982
LEE, TAE HUN 3,088,618
LEE, TIEN 2,987,290
LEE, TOM LIK-CHUNG 3,198,348
LEFLER, SHARON 3,147,264
LEGER, DAVID EARL 3,123,208
LEI, DEQING 2,959,052
LEI, YUN 3,119,244
LEIDOS SECURITY DETECTION & AUTOMATION, INC. 3,018,964
LEITCH, KEVIN R. 2,961,786
LEMAN, TRACY 2,989,818
LEMAY, STEVEN G. 2,941,774
LEMBO, MICHAEL J. 3,106,654
LEMMINGS LLC 2,997,160
LEONE, GIUSEPPE 2,958,194
LEPAGE, SEBASTIEN 2,922,616
LEPOUDRE, PHILIP PAUL 2,986,058
LEPPLA, PHOEBE 3,006,287
LERNER, ALANA 2,918,530
LESH, MICHAEL D. 2,934,182
LESS, JOHN 2,970,666
LETAVIC, MICHAEL A. 2,960,972
LETAVIC, MICHAEL A. 2,991,765
LEUM ENGINEERING, INC. D/B/A DOCKZILLA CO. 3,127,273
LEUM, GRANT 3,127,273
LEVIN, KERRY 2,916,336
LEVIN, KERRY 2,933,478
LEVNER, DANIEL 2,917,889
LEVY, SHAHAR 2,985,318
LEWIS, MALCOLM 2,919,113
LEWIS, RANDALL J. 2,860,795
LEYVRAZ, DAVID 3,110,293
LG ELECTRONICS INC. 3,088,026
LI PI SHAN, COLIN 2,996,615
LI, ALFRED C. 2,987,961
LI, DAN 3,117,828
LI, FENG 3,104,383
LI, GANG 3,003,122
LI, HSIAO CHANG 3,000,652
LI, JIA 3,122,317
LI, JIAN 3,123,473
LI, JIANGMEI 3,104,383
LI, JIN 2,913,404
LI, LIE 3,003,122
LI, PENG 3,123,473
LI, RONG 3,062,966
LI, SHENSHEN 2,968,230
LI, WEI 3,109,996
LI, WEIDONG 3,003,122
LI, WEIPING 3,108,213
LI, XIAOLIN 3,123,473
LI, XINGHAI 3,125,058
LI, XUERU 3,057,725
LI, YONGMING 3,141,850
LI, YU 3,125,058
LI, YUANJIE 3,072,679
LI, YUNSHENG 2,943,773

LI, ZHENWU 2,981,661
LI. LEI 3,122,831
LIANG, HAIYANG 3,127,546
LIANG, JASON ZHI 3,085,653
LIANG, KANGHUA 3,137,434
LIANG, LIN 3,113,128
LIANG, XIN 3,121,658
LIBERIS, WILLIAM 2,971,610
LICHOULAS, TED 2,973,826
LIM, ALBERT KENG LENG 3,023,086
LIM, JAEHYUN 3,088,026
LIM, SUEANN 3,001,565
LIMBURG, BERND 3,119,666
LIMON, OFER 2,985,318
LIN, CHIEN-JEN 3,151,394
LIN, JERRY 2,990,018
LIN, JIN-JIE 2,939,792
LIN, SIXIN 3,013,655
LIN, WENJUN 2,951,805
LIND, JEFFREY 3,148,873
LINDAL FRANCE SAS 3,081,738
LINDBLAD, MARINA 2,952,881
LINDBO, LARS SVERKER TURE 3,038,738
LINDE GMBH 2,990,309
LINDERS, DAVID ROBERT 2,943,381
LINDSAY, GARY LLOYD 3,014,711
LINGEGARD, HANS 2,977,871
LINSTROTH, MICHAEL J. 2,990,968
LIRA, SARA JANE 3,166,891
LITTAU, CHERYL A. 2,981,181
LITTLE, MELVYN 2,953,992
LIU, BIN 3,072,178
LIU, BING 3,117,828
LIU, CHUWEI 3,119,244
LIU, FENGMING 3,145,171
LIU, HUACHEN 3,117,828
LIU, HUI 3,003,122
LIU, JIANQIN 3,047,498
LIU, JIN 3,088,914
LIU, KUNPENG 3,057,725
LIU, SHAN 3,066,961
LIU, SHAN 3,068,762
LIU, TIANLIANG 3,115,256
LIU, TIELIANG 3,119,367
LIU, WEI 3,010,419
LIU, XIANBO 3,102,650
LIZZANO, REBECCA 2,927,431
LJUBIJANKIC, ZLATAN 2,960,197
LLOYD, JENNIFER MICHELLE 2,963,270
LOBERGER, JOHN M. 3,124,119
LOCKHEED MARTIN ENERGY, LLC 3,020,101
LOCKWOOD, NATHAN A. 2,962,101
LOEHR, JOACHIM 2,995,519
LOGUE, JAY 2,926,459
LOH, JI XIAN 3,036,684
LOHITHARN, NATTAPORN 2,973,183
LOHMANN, JEROME 3,026,811
LOIBNER, HANS 2,977,588
LOICQ, JEROME JEAN D. 2,994,211
LOKE, PUI LENG 2,977,588
LOLLEY, KEITH 3,140,670
LOMBARDO, GAETANO 3,122,366
LOMBARDO, GIUSEPPE 3,081,822
LOMBARDO, PASQUALE 3,122,366
LOMOVSKAYA, OLGA 2,982,911
LONG, JEFFREY 2,945,783
LONG, MARK 2,997,863
LONKVIST, TORBJORN 2,930,376
LOOP ENERGY INC. 3,123,208
LOPES FERREIRA, NICOLAS 2,951,353
LOPEZ MARTINEZ, ERIKA IVONNE 2,911,752
LOPEZ SANCHEZ, MANUEL A. 3,116,865
LOPEZ, MIGUEL ANGEL 2,978,910
LORE, AVRAHAM RAMI 2,952,362
LOUDON, JERRELL ANDREW 3,131,885
LOUGHNANE, COLM 3,133,055
LOUIS M. GERSON CO., INC. 2,988,933
LOUIS, RENAUD 2,997,506
LOUTIT, JEFFREY S. 2,982,911
LOWE, ERIC 2,918,530
LOWE, RAYMOND 2,950,421
LOWER, MARC 3,096,340
LOXO ONCOLOGY, INC. 2,951,504
LOYA ENRIQUEZ, RENE 2,911,752
LOZANO BONET, JOSE 3,100,180
LTS LOHMANN THERAPIE-SYSTEME AG 3,051,150
LU, HELEN S.M. 3,102,261
LU, HUI 2,937,969
LU, ROBIN 2,952,260
LUCIC, ROMULUS 3,066,451
LUDWIG-MAXIMILIANS-UNIVERSITAT MUNCHEN 3,054,470
LUKACS, NICHOLAS W. 2,823,913
LUM, HENRY R. 2,917,293
LUM, KENNETH 2,980,010
LUMINEX CORPORATION 2,951,649
LUNDBERG, RYAN P. 3,122,521
LUNSTADEN, TIM 2,966,427
LUO, HEJIA 3,062,966
LUO, JIAREN 3,088,914
LUO, PU 2,929,412
LUO, SONG 2,913,404
LUO, ZHI 3,123,473
LUPOWITZ, KEVIN 3,071,438
LUX IMAGE INC. 2,983,656
LUXON, EVAN S. 2,961,757
LY, SUNTARA 3,114,820
LYNCH, MICHAEL A. 2,948,754
LYNN, TIMOTHY R. 3,104,497
LYNRED 2,990,553
LYONS, ARTHUR P. 3,103,593
LYRA THERAPEUTICS, INC. 2,986,440
LYRAS, DIMITRIS 3,065,138
M&R PRINTING EQUIPMENT, INC. 2,995,618
MA, XIANG 3,111,628
MA, YANZHUO 3,121,922
MAAIJEN, KARIN 3,013,690
MAASALU, ANTS 2,951,494
MABON, ROSS 3,007,214
MACHADO, VINICIUS 2,893,072
MACKOVJAK, ALLAN R. 3,128,766
MACLEAN, IAIN 2,984,719
MACLEOD, CALUM 2,982,708
MACLEOD, MARK 2,987,637
MACNEIL, ANDREW 2,831,972
MACPHERSON, CHARLES D. 2,972,194
MADASU, SRINATH 3,064,383
MADDEN, THOMAS H. 3,020,101
MADENJIAN, EDWARD O. 2,996,615
MADENJIAN, LISA S. 3,037,976
MADIGAN, REGINA 3,034,441
MADSEN, FLEMMING 3,006,626
MAENO, JUN 3,090,067
MAESEN, THEODORUS LUDOVICUS MICHAEL 2,946,285
MAGNA EXTERIORS INC. 3,006,436
MAGNANI, MATTEO 2,932,218
MAGNUSEN, JUSTIN WAYNE 3,081,987
MAI, YUAN 3,187,819
MAIDER, RALPH K. 2,964,756
MAJERCAK, DAVID C. 2,962,046
MAJIMA, MASATOSHI 3,010,721
MAJOR LEAGUE BASEBALL PROPERTIES, INC. 2,979,846
MAJOR, DAVID, LEE 3,155,316
MAKAREWICZ, ANTHONY J., JR. 3,140,602
MAKWANA, ANOOP 3,119,996
MALCOLM, JOSHUA J. 3,153,144
MALESKY, JACOB EDWARD 3,060,212
MALIC, LIDIJA 2,972,194
MALJANIAN, JOHN M., JR. 2,928,048
MALKE, MARLEN 3,110,627
MALOTT, IAN OLIVER 3,111,489
MAN, HON-WAH 2,993,173
MANCI, LEWIS H. 3,026,953
MANCINI, BART W. 3,103,593
MANDAPAKA, BHASKAR 3,064,383
MANDERFIELD, GROVER 3,117,896
MANETT, KRIS 2,971,537
MANGNUS, EDUARDUS MARIA 2,999,285
MANIFOLD, JOHN ALLEN 2,993,536
MANN, MATTHIAS 2,989,261
MANNING, TIMOTHY ANDREW 3,130,577
MANOLOVA, VANIA 3,002,418
MANOS, PAUL D. 2,985,741
MANTHE, ALAN ADAM 3,009,477
MANTIONE, JOHN V. 3,109,173
MANUS, JOHANNES 3,065,440
MAO, YOULI 3,064,383
MARAKOV, ALEXANDER 3,130,577
MARASS, FRANCESCO 2,955,303
MARCHAL, REMY 2,951,353
MARCOTTE, EDWARD 2,961,493
MARCUCCI, ANGEL JOSE 3,118,431
MAREAUX, SEBASTIEN 2,992,837
MARELLA, MICHAEL A. 3,007,214
MARGUERRE, ANN-KATHRIN 2,972,304
MARIN, GILDAS 2,964,023
MARINOS, DIMITRIOS 3,106,173
MARKOV, DENIS 2,962,632
MARONEY, KYLE 3,045,522
MARONEY, KYLE 3,056,894
MARONEY, KYLE 3,061,181
MARONEY, KYLE 3,071,407

MARONEY, KYLE 3,080,961
MARSH, JEFFREY D. 2,990,290
MARSHALL, JAMES NICHOLAS 3,029,567
MARSHALL, JOSHUA 2,988,326
MARTEL, PASCAL 2,916,673
MARTEN, BARBARA H. 2,960,197
MARTIN, KEITH EDWARD 3,099,578
MARTYSEVICH, VLADIMIR NIKOLAYEVICH 3,123,762
MARUSKO, MARK WILLARD 3,045,623
MARVIN LUMBER AND CEDAR COMPANY, D/B/A MARVIN WINDOWS AND DOORS 3,057,928
MARVIN LUMBER AND CEDAR COMPANY, LLC D/B/A MARVIN WINDOWS AND DOORS 3,081,987
MARXER, KATJA 2,958,157
MASASA, HILA 3,147,264
MASI, FRANCESCO 2,958,194
MASON, MATTHEW T. 3,045,522
MASON, MATTHEW T. 3,056,894
MASON, MATTHEW T. 3,061,181
MASON, MATTHEW T. 3,071,407
MASON, MATTHEW T. 3,080,961
MASONITE CORPORATION 2,949,268
MASQUELIER, DONALD A. 3,140,602
MASTRI, DOMINICK 2,974,908
MASYK, MITCHELL J. 2,981,320
MATHADA, SHASHIDHARA 3,032,614
MATLACK, FLOYD KENT 3,096,710
MATOUSEK, RUDOLF 3,039,948
MATSUMOTO, TAKUTO 2,979,022
MATSUNO, SHINYA 3,144,952
MATTHEWS, DEREK 2,989,136
MATTHEWS, SEAN 3,047,244
MATUS, ANDREW B 2,960,197
MATYS, TYLER 3,186,121
MAUGHAN, BENJAMIN H. 3,047,244
MAUSER-WERKE GMBH 2,994,989
MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V. 2,989,261
MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V. 2,995,736
MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V. 3,054,470
MAXIMENKO, MICHAEL 2,972,560
MAXON INDUSTRIES, INC. 3,067,016
MAXWELL, TYLER 2,964,357
MAY, BRADLEY W. 2,820,282
MAY, PRESTON ANDREW 3,152,813
MAYDAK, CHRIS 2,844,768
MAYER, FREDERIC 2,993,732
MAYRPETER, JOHANNES 3,026,776
MAZUIR, FLORENT 2,989,253
MAZUTIS, LINAS 2,896,997
MAZZA, PIETRO 2,968,458
MAZZOTTI, MARCO 3,004,186
MCALPINE, WARREN WELBORN 2,925,160
MCBRIDE, KEITH 2,974,391
MCCANN, STEPHEN JOHN 3,114,591
MCCARREN, MICHAEL JOHN 3,045,623
MCCARTHY, PATRICK M. 2,988,949
MCCARTHY, WILLIAM E. 3,096,572
MCCLATCHEY, BRIDGET COLLEEN 2,981,360
MCCLINCHEY, SCOTT 3,135,686
MCCLURE, KEVIN MICHAEL 3,018,601
MCCORMICK, WILLIAM, III 3,006,287
MCCRACKEN, THOMAS CALLUM 2,965,572
MCDANIEL, ASHLEY M. 2,979,132
MCDONALD, THOMAS 2,945,783
MCGONIGLE, JOSEPH SCHMIDT 2,962,101
MCGOWAN, DARCY 2,976,351
MCHALE, PATRICIA 2,903,839
MCHUGH, MICHAEL BENJAMIN 2,975,158
MCINNIS, JAMES M. 3,053,127
MCKNIGHT, GARY DAVID 2,985,864
MCLAREN, JENNIFER 3,125,585
MCLAUGHLIN, JOHN P. 3,128,766
MCMAHAN, WILLIAM CHU-HYON 3,056,894
MCMAHAN, WILLIAM CHU-HYON 3,061,181
MCMAHAN, WILLIAM CHU-HYON 3,071,407
MCMAHAN, WILLIAM CHU-HYON 3,080,961
MCMASTER UNIVERSITY 2,900,769
MCMENAMY, JUSTIN 2,999,077
MCNULTY, ANDREW VICTOR 2,971,709
MCNULTY, DANIEL 3,006,436
MCNULTY, OREN T. 3,110,502
MDLAZI, LUNGILE 3,090,938
MEDA OTC AB 2,951,432
MEDIAPRODUCCION, S.L.U 2,921,264
MEDICAL MICROINSTRUMENTS, INC. 3,001,934
MEDICONTUR MEDICAL ENGINEERING LTD. 3,032,296
MEDIMMUNE LIMITED 2,963,166
MEDTRADE PRODUCTS LIMITED 2,957,050
MEGRANT, ANTHONY EDWARD 3,036,945
MEHRLING, THOMAS JORG 2,950,374
MEIER, PAUL 3,141,603
MEIER, STEVEN J. 2,903,596
MELGAR, AARON 2,996,875
MELLOR, MITCHELL 3,049,071
MELO, SONIA 2,905,081
MELODEA LTD. 3,024,308
MEMMINGER, OLIVER 3,107,536
MEMORIAL SLOAN-KETTERING CANCER CENTER 2,948,351
MENDOZA DUARTE, MONICA ELVIRA 2,911,752
MENGES, FREDERIK 2,989,253
MERCK SHARP & DOHME LLC 2,927,431
MERCK SHARP & DOHME LLC 3,145,555
MERENDA, JOHN 3,115,591
MERETTE, JEAN-SEBASTIEN 3,114,820
MERICA, ELIZABETH A. 2,989,111
MERLO, JONATHAN 2,986,440
MERRIMAN, JAMES 2,990,729
MERTANI, HICHEM CLAUDE 2,959,671
MERTOGLU, MURAT 2,972,304
MESHKATI, MAHNAZ 2,896,572
METELITSA, LEONID S. 3,072,178
METRON, PHILIPPE 3,025,331
METSO OUTOTEC FINLAND OY 3,050,980
MEYER, IMKE 3,026,566
MEYERS, JOHN W. 3,136,306
MEYERSON, ELLIOT 3,085,653
MIATT, PETER 2,995,757
MICCO, IOLANDA 2,932,218
MICHAL, J. COREY 2,964,756
MICHALSKI, JAMES 2,931,565
MICHAN, JUAN MARIO 2,999,719
MICHELSON, SETH G. 3,081,708
MICRO MOTION, INC. 2,994,145
MICROSOFT TECHNOLOGY LICENSING, LLC 2,932,267
MIERAU, IGOR 3,131,796
MIKLOS, MARK 2,939,189
MILANESE, CLAUDIO 2,970,060
MILBANK MANUFACTURING CO. 3,096,572
MILBRANDT, JAY 3,094,158
MILES, ANTHONY WAYNE 3,083,896
MILFORD, MATTHEW A. 3,041,758
MILLER, BILL 3,106,303
MILLER, ERAN 2,978,394
MILLER, EUGENE EDWARD 2,985,340
MILLER, MARK 2,981,857
MILLER, MARK SHERWOOD 2,948,754
MILLER, PETER 3,081,822
MILLER, SEAN THOMAS 3,118,460
MILLETTI, MARCO 2,983,882
MILLIGAN, PATRICK E. 3,053,127
MILLIKEN INDUSTRIALS LIMITED 3,013,690
MILLOY, QUINCY CALVIN 3,120,202
MILOVANOVIC, MILAN 3,123,470
MIMEDX GROUP, INC. 2,887,568
MINAMI, YUKI 3,096,355
MINICK, JACOB J. 3,082,128
MINNOVARE PTY LTD 2,965,572
MINOR, DAVID J. 3,123,614
MIROUS, BRIAN K. 2,989,810
MITCHELL, AOY TOMITA 2,870,969
MITCHELL, CHRISTOPHER, R. 3,071,104
MITCHELL, JACK A. 3,044,479

MITCHELL, MICHAEL 2,870,969
MITIN, NATALIA 3,015,509
MITKIDIS, GEORGIOS 3,001,434
MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD. 3,109,357
MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD. 3,109,449
MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD. 3,109,509
MITSUBISHI STEEL MFG. CO., LTD. 3,133,268
MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC. 2,878,644
MITSUMI ELECTRIC CO., LTD. 2,994,624
MITSUNAGA, SEIJI 3,015,441
MITTAL, KHUSHBOO 3,195,611
MITTENDORF, VOLKER 2,984,897
MIYAMOTO, OSAMU 3,109,357
MIYAMOTO, OSAMU 3,109,449
MIYANO, SAORI 3,001,969
MIYAZAKI, TORU 3,114,869
MIZOBE, NORIMASA 3,113,928
MOBILIFT LLC 2,990,290
MOBLEY, PAUL D. 2,919,752
MOCZYGEMBA, JOSHUA E. 3,039,382
MOELLER, CLAUS SCHMIDT 3,095,509
MOFLAG, JOHAN ODD 3,070,226
MOHAMED, NAHLA 3,083,254
MOHAMMADI, KHOSROW PARVIZ 2,993,536
MOHAN, KARAN 2,901,052
MOHAN, ROSHAN 3,081,940
MOHANAN, JAYA L. 2,952,435
MOHANTY, RASHMI RANJAN 3,110,293
MOINI, AHMAD 2,952,435
MOLENA, ELENA 3,001,521
MOLFETTA, MARCELLO ANTONIO 3,098,738
MOLKENTHIN, VERA 2,953,992
MOLNLYCKE HEALTH CARE AB 3,002,890
MOLONEY, PATRICK 3,094,492
MOND, JAMES J. 2,931,853
MONOLITH MATERIALS, INC. 2,995,081
MONOT, FREDERIC 2,951,353
MONTAZERI, SHAHRAM 2,941,068
MONTECCHI, LAURETTA 2,989,092
MONTEIRO, MARIO ARTUR 2,961,883
MONTEITH, SHAWN 2,957,280
MONTES DE OCA, HORACIO 3,069,439
MONTIE, GREG JOHN 3,123,208
MONTPETIT, JEAN-MARC 3,166,836
MONTPETIT, JEAN-MARC 3,166,877
MOONEY, MATT 3,070,266
MOORE, HENRY 3,006,436
MOORE, RYAN GIFFIN 2,865,682
MOORES, JOHN WILLIAM 2,925,345
MOR, YOAV 2,977,740
MORALES, CARLOS 3,070,266
MORAN PUENTE, DIANA WESTFALIA 2,990,904
MORBIDELLI, EVA 2,989,092
MORENO, JOSE 3,032,614
MORGAN ADVANCED CERAMICS, INC 2,939,189
MORGAN, KENNETH, ALLAN 3,155,316
MORGAN, MATT 2,989,818
MORGAN, MATTHEW 2,999,077
MORISSETTE, ANNE MARIE 3,044,826
MORRIS, ZACHARY 3,031,076
MORTAZAVIAN, HAMID 3,125,783
MORTEN, GLENN 2,912,234
MORTON, KEITH J. 2,972,194
MOSELLE, BLAKE C. 3,131,511
MOSSMAN, MICHAEL W. 2,940,386
MOTES, AARON M. 3,152,897
MOTOROLA SOLUTIONS, INC. 3,112,553
MOTOROLA SOLUTIONS, INC. 3,131,511
MOULARAT, STEPHANE 2,827,173
MOUTAINLAND, DAVID M. 2,997,165
MOWAT, DON 2,924,908
MOYER, TERRY S. 3,000,017
MOYNAHAN, MARY ELLEN 2,948,351
MOZER, REESE ALEXANDER 2,998,415
MTI GROUP PTY LTD 3,024,524
MTS MEDICATION TECHNOLOGIES, INC. 2,966,186
MU, NAN 2,978,910
MUELLER, JOHN 2,966,632
MUELLER, MARKUS 2,948,066
MUELLER, ULRICH 2,952,435
MUHLI, AKI 3,020,199
MULDER, ALART 2,999,285
MULDER, HARM JAN 3,085,345
MULLER, LOWIS-GERRIT-BOJE 3,110,627
MULLIGAN, TIMOTHY 2,915,361
MULTRUS, MARKUS 3,122,168
MUMPOWER, MARIANO 2,983,698
MUNAKATA, ICHIRO 3,128,075
MUNRO, GAVIN 2,985,283
MUNRO, JEFFREY C. 3,037,976
MUNROE, MELISSA ELIZABETH 3,116,539
MUNSON, JOHN 2,932,601
MUNTHE, STEFAN 3,099,303
MURRAY, MICHAEL 2,957,280
MURTAZA, MUHAMMED 2,955,303
MUSSO, LOANA 2,961,275
MWE LLC 2,977,772
MYER, DWIGHT COLIN 3,018,575
MYERS, RYAN RICHARD 3,121,516
MYLLYOJA, JUKKA 2,952,881
MYRON L COMPANY 3,027,984
NABRIVA THERAPEUTICS GMBH 2,989,372
NAGAI, AKINORI 2,998,833
NAGAN, JOSEPH P. 3,133,523
NAGARAJAN, PERIYANDI 2,993,173
NAGRAVISION S.A. 2,912,234
NAGRAVISION S.A. 3,009,459
NAGY, TIBOR 3,010,545
NAHRGANG, KYLE 3,106,303
NAKAGAWA, TAKAYUKI 3,001,969
NAKAJIMA, TAKESHI 3,115,748
NAKASHIMA, TOYOKAZU 3,132,218
NALLAGANCHU, BHASKARA RAO 2,975,476
NAM, TAE-WOOK 3,099,668
NAMBIAR, RAKESH 3,102,261
NANJING CHERVON INDUSTRY CO., LTD. 3,115,256
NANKIVELL, IAN DAVID 2,989,952
NANO ONE MATERIALS CORP. 2,905,519
NANOTECH ENERGY, INC. 3,083,254
NANOTEMPER TECHNOLOGIES GMBH 2,970,566
NANTERMET, PHILIPPE 3,145,555
NANTKWEST, INC. 2,987,290
NAOR, DAVID 2,951,984
NARAYAN VAIDYA, MANISH 3,120,229
NARAYAN, JAGDISH 3,010,419
NARLA, ANIRUDH 2,977,664
NARULA, ANUBHAV P.S. 3,111,604
NASDAQ, INC. 2,938,318
NATHAN, KEVIN 3,106,303
NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY 3,010,721
NATIONAL OILWELL DHT, L.P. 3,010,419
NATIONAL OILWELL DHT, L.P. 3,118,431
NATIONAL OILWELL VARCO, L.P. 3,017,362
NATIONAL OILWELL VARCO, L.P. 3,026,219
NATIONAL RESEARCH COUNCIL OF CANADA 2,972,194
NATIONAL UNIVERSITY OF SINGAPORE 3,050,700
NATURIOL BANGOR LIMITED 2,997,863
NDONG, ROSE 3,001,565
NEC CORPORATION 3,113,128
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO 2,990,014
NEEL, JESSE L. 2,985,340
NEILSEN-KULJIAN, INC. 3,198,348
NELSEN, MICHAEL T. 3,081,987
NELSON, DWAYNE R. 2,941,774
NELSON, MARK ANDREW 3,126,456
NELSON, NORMAN C. 2,905,527
NEOCHORD, INC. 3,112,020
NERRE THERAPEUTICS LIMITED 3,009,283
NESS, KEVIN D. 3,140,602
NESTE OYJ 2,952,881
NESTE OYJ 2,965,082
NETFLIX, INC. 3,032,614
NETFLIX, INC. 3,118,140
NEUENFELDT, STEVEN KENT 3,114,197
NEUMANN, SINDY 3,055,004
NEURALSTEM, INC. 3,036,571
NEVADO, ERWIN 2,924,333

NEVO, YUVAL 3,024,308
NEWENHOUSE, ERIC ANDREW 2,921,937
NEWLAND, JEEM EDWARD, III 3,115,074
NEWSOUTH INNOVATIONS PTY LIMITED 3,012,163
NEWTON, PHILIP 2,963,166
NGUYEN, ANTHONY HAITUYEN 3,114,591
NGUYEN, CHUONG 2,978,910
NGUYEN, HIEN 2,939,792
NGUYEN, HOAN HUU 3,016,028
NGUYEN, HUU TOAN 2,999,618
NGUYEN, HUY D. 3,198,348
NGUYEN, NGA H. 2,995,757
NGUYEN, PHILIP D. 3,123,762
NGUYEN, SON H. 2,912,911
NIAGARA BOTTLING, LLC 2,992,669
NIANE, NGADIA TAHA 3,025,331
NICCOLINI, ELISA 2,961,275
NICHOLAS, DAVIN SCOTT 2,957,663
NICHOLSON, PAUL 2,992,287
NICOLA, ROBERT T. 2,997,160
NICOLUSSI, SIMON 2,950,354
NICOVENTURES TRADING LIMITED 3,094,492
NICOVENTURES TRADING LIMITED 3,095,711
NICOVENTURES TRADING LIMITED 3,099,501
NICOVENTURES TRADING LIMITED 3,119,303
NICOVENTURES TRADING LIMITED 3,119,697
NIDERBERG, ALEX LEO 2,945,171
NIE, HUIJUN 3,122,317
NIEMEYER, HANS-JURGEN 3,023,760
NIEUWOUDT, IZAK 3,011,088
NING, DEZHENG 3,102,650
NIPHAKIS, MICAH J. 2,980,010
NIPPON SHOKUBAI CO., LTD. 3,067,984
NIPPON STEEL CORPORATION 3,103,649
NIPPON STEEL CORPORATION 3,152,383
NIPPON STEEL STAINLESS STEEL CORPORATION 3,015,441
NISHI, YOSHIO 3,074,208
NISHIUMI, KENGO 3,144,952
NISSAN CHEMICAL CORPORATION 2,957,312
NKT HV CABLES AB 3,024,014
NMD PHARMA A/S 2,986,611
NOBLE HOUSE GROUP PTY. LTD. 2,982,335
NOBLE, BRIAN 2,894,031
NOBLE, CHARLES A., III 2,939,255
NODA, ISAO 3,110,531
NOE, ANDREW 2,984,897
NOGUCHI, SHIGERU 3,074,208
NOKIA TECHNOLOGIES OY 3,118,784
NOLLER, BASTIAN MARTEN 2,995,644
NORFOLK, MARK I. 3,135,480
NORIT AMERICAS, INC. 3,027,404
NORMAN, JASON S. 2,919,752
NORMANDIN, IRENEE 2,920,582
NORTEK AIR SOLUTIONS CANADA, INC. 2,986,058
NORTH CAROLINA STATE UNIVERSITY 2,983,289
NORTH CAROLINA STATE UNIVERSITY 3,010,419
NORTH, RICHARD RAY 3,021,056
NORTHCOTT, BENJAMIN RYAN 2,998,640
NORTHERN TOOL & EQUIPMENT COMPANY, INC. 3,083,506
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,130,577
NORTHWESTERN UNIVERSITY 2,988,949
NOTTINGHAM SPIRK DESIGN ASSOCIATES 3,105,186
NOURSE, MARILYN 2,901,052
NOURYON CHEMICALS INTERNATIONAL B.V. 3,141,755
NOVA SOUTHEASTERN UNIVERSITY 2,954,741
NOVELIS INC. 3,110,293
NOWAK, DAVE 3,035,179
NOWAKOWSKI, MARK EDWARD 3,130,577
NOWINSKI, ROBERT C. 2,872,911
NUCANA PLC 3,008,751
NUMARES AG 3,055,004
NUOVO PIGNONE TECNOLOGIE - S.R.L. 2,984,878
NYLANDER, SVEN 2,963,166
NYP LLC 3,023,100
O'BRIEN SIMPSON, NEIL MARTIN 2,735,171
O'BRIEN, DANIEL E. 3,069,439
O'BRIEN, JOHN BRICE 2,992,941
O'BRIEN, RICHARD ARTHUR 3,122,358
O'BRIEN, THOMAS 2,996,875
O'CONNOR, STEPHEN J. 3,112,477
O'DONNELL, COLIN 3,094,158
O'KEEFFE, DANIEL 2,980,713
O'REILLY, ALLAN 3,154,053
O'TOOLE, MARTIN G. 3,014,030
O. CARRAGHER, NEIL 3,021,550
OBA, TRAVIS ZENYO 2,982,604
OBERMAYR, NORBERT 3,026,776
OCADO INNOVATION LIMITED 3,038,738
OCEANEERING INTERNATIONAL, INC. 3,153,172
OCHIENG, SAM 3,018,974
ODDOY, REMY KRISTIAN 3,070,226
ODI, TIMOTHY O. 3,036,684
ODMAN, DELBERT D. 2,989,141
ODMAN, TODD D. 2,989,141
OETIKER SCHWEIZ AG 3,118,512
OETIKER SCHWEIZ AG 3,118,586
OETIKER SCHWEIZ AG 3,127,425
OETTING, DIRK 3,079,116
OFIP LIMITED 3,103,757
OGATA, NOBUAKI 3,010,539
OGAWA, STUART 2,938,318
OH, KYEONGMIN 3,107,624
OHLHORST, JAN 2,995,519
OHSUGI, YASUO 3,103,649
OIL CROPS RESEARCH INSTITUTE, CHINESE ACADEMY OF AGRICULTURAL SCIENCES 3,119,367
OISHI, TETSUO 3,010,721
OKA, NAOYA 3,132,218
OKABE, SEIJI 3,095,320
OKLAHOMA MEDICAL RESEARCH FOUNDATION 3,116,539
OLAH, GEORGE A. (DECEASED) 2,973,572
OLAH, GEORGE A. 2,931,941
OLESKE, PETER J. 2,985,475
OLGADO, DONALD 3,071,104
OLIVARES-PETITO, GIOVANNA 2,931,565
OLIVIER, PIERRE 3,125,718
OLLANDER, MARK D. 3,116,868
OLLMAR, STIG 2,936,487
OLSEN, DAVID 3,145,555
OLSHANSKY, MICHAL 3,018,215
OLSON, GARY L. 2,975,476
OLSON, KURT D. 3,025,879
OLSON, MARC STEPHEN 2,990,018
OLSON, MICHAEL 2,985,877
OMAR, HASSAN ABOUBAKR 3,028,814
OMODT, JENNER 2,987,961
OMP TRADE GMBH 3,026,776
OMURA, TAKESHI 3,095,320
OMYA INTERNATIONAL AG 3,012,580
ONCOCEUTICS, INC. 2,975,476
ONCTERNAL THERAPEUTICS, INC. 2,961,781
ONDRUSKA, PETER 3,083,430
ONE MEDIA, LLC 2,981,067
ONTECH SECURITY, SL 2,925,085
ONYX THERAPEUTICS, INC. 2,918,530
OOKA, KAZUAKI 3,135,118
OOSTERLINCK, FILIP STEFAN EMIEL 3,008,051
OPTO INTERNATIONAL, INC. 2,964,657
ORAL DIAGNOSTIX, LLC 3,066,884
ORAL HEALTH AUSTRALIA PTY LTD 2,735,171
ORAL, RON 2,610,294
ORAM, NICOLE 2,992,601
ORBECK, EINAR ARVID 2,934,113
OREB, MISLAV 2,960,930
OREN TECHNOLOGIES, LLC 2,950,927
OREN, JOHN 2,950,927
OREN, JOSHUA 2,950,927
ORIENTAL (LUZHOU) AGROCHEMICALS. CO., LTD. 3,135,509
ORTHOSOFT ULC 3,114,820
OSADA, NORIKAZU 3,111,133

Index des brevets canadiens délivrés
3 octobre 2023

OSATO, KEN 3,048,873
OSBORNE JR., RONALD W. 3,148,873
OSBORNE, CHARLES AGNEW, JR. 3,101,354
OSBORNE, JOHN 2,988,947
OSBORNE, PAUL M. 3,141,603
OSMAN, ROMAN 3,009,056
OSSLUND, TIMOTHY DAVID 2,954,773
OSTAPENKO, IRINA 3,119,666
OSTENDORF, WARD WILLIAM 2,993,536
OSTLUND, LINDA 3,002,890
OTANI, AKIHITO 3,109,509
OTSUKA, AKIRA 3,141,421
OTTENSCHOT, MARC HENRIKUS JOSEPH 2,985,973
OTTO, MARIO 3,031,076
OVERLY, TIMOTHY G. S. 3,089,317
OWENS CORNING INTELLECTUAL CAPITAL, LLC 2,925,974
OXFORD BIOTHERAPEUTICS LTD 2,926,324
P.E. LABELLERS S.P.A. 2,995,011
PACE, NICHOLAS G. 3,034,127
PACIFIC BIOSCIENCES OF CALIFORNIA, INC. 2,983,882
PAESANG, CHINAWUT PAUL 3,021,056
PAGEL, PHILIPP 3,055,004
PAGNOULLE, CHRISTOPHE ROBERT MARIE ARMAND 2,994,211
PAI, CHIEN NAN 2,939,909
PALMER, JOE 3,117,896
PAMIO, FEDERICO 3,011,450
PAN, YI 3,070,157
PANANDIKER, RAJAN K. 3,083,408
PANCOSMA SA 3,004,836
PANDYA, RAJA VIKRAM 3,064,383
PANGARKAR, CHINMAY 2,901,052
PANTHER, MITCHELL S. 2,957,663
PANUSOPONE, KRIT 3,025,477
PAPASAKELLARIOU, ARIS 2,983,816
PARABIT SYSTEMS, INC. 2,798,159
PARAMITHIOTIS, EUSTACHE 2,902,068
PARI, MALLE 2,951,494
PARK, CHANG HEE 3,130,456
PARK, JIN HUN 2,997,549
PARK, MIN HEE 3,097,685
PARK, SANGAH 3,121,516
PARK, SOON JAE 3,096,982
PARK, WOO ILE 2,997,549
PARK, YU-GYEONG 3,107,624
PARKER LODGE HOLDINGS LLC 3,023,035
PARKER, DAVID 2,985,864
PARKER, DAVID JOEL, JR. 3,094,576
PARKER, THOMAS 2,998,072
PARKER, ZACHARY M. 2,978,763
PARMAR, JAYWANT P. 2,958,871
PARMENTIER, WILLIAM E. 3,062,959
PARNES, BRIAN 3,072,089
PARROTT, RONALD A. 2,970,647
PASSEMATO, JAMES 2,964,756
PASSIEUX, BENJAMIN MAURICE 2,985,159
PASUPULETI, ADITHYA (DECEASED) 3,081,940
PASUPULETI, GAUTHAM 3,081,940
PATEL, HET ANAND 3,114,591
PATEL, HIREN PRAVINBHAI 3,044,636
PATEL, NEHA MANUBHAI 3,044,636
PATEL, PRANAV 2,906,824
PATEL, SEHUL 3,039,948
PATIL, SAGAR ASHOK 2,982,359
PATIL, SHAILESH 2,977,411
PATIL, SHAILESH 2,986,068
PATTERSON, DOUGLAS J. 3,120,697
PATTERSON, MATTHEW D. 3,119,263
PATTERSON, ROBERT G. 2,993,169
PAULLIN, JAYME L. 3,102,261
PAULSON, ROSS 2,986,440
PAVCON UG (HAFTUNGSBESCHRANKT) 3,010,745
PAVLIDIS, IOANNIS 2,980,407
PEACOS III, FREDERICK 2,961,121
PEARL, AARON S. 2,983,698
PEARL, KENT 3,011,450
PEARMAN, RICHARD 2,992,287
PEDERSEN, PER MOLGAARD 3,006,626
PEDRA TECHNOLOGY PTE LTD 2,914,368
PEDRETTI, ETHAN J. 2,990,968
PEHAR, DAVID 3,105,186
PEIKKO GROUP OY 3,119,881
PEIRCE, THOMAS J., III 2,993,523
PEJAVER, RAJARAM 2,776,711
PELLETIER, BENOIT 3,114,820
PELLETIER, MARC-ANTOINE 2,920,582
PEMPER, RICHARD R. 3,102,931
PENA, PAULA 3,002,418
PENG, WEN-JIUN 2,804,604
PENG, YU 3,141,850
PENG, ZHIYONG 2,963,861
PENNEY, MARK 2,963,166
PENNINGTON, NOAH 2,923,290
PENOUILH, SYLVAIN 3,012,215
PEPE, GREGORY 3,079,842
PEPIN, THOMAS A. III 3,071,958
PEQUENO, R. ERIC 3,104,497
PEREIRA, FRANCIS JOEL 3,141,603
PEREZ, JAVIER J. 2,940,860
PEREZ-PRAT DE VINUESA, EVA MARIA 3,085,345
PERI SE 3,017,630
PERLROTH, VICTOR D. 3,039,426
PERSSON, TORBJORN 3,111,003
PETELLE, THIERRY 3,031,748
PETELLE, THIERRY 3,031,749
PETERLONGO, FEDERICO 2,988,478
PETERS, JONATHAN 2,919,752
PETERSEN, BRIAN 2,943,381
PETERSON, DANIELLE 2,986,440
PETERSON, PETER RAE 2,964,756
PETERSSON, JOAKIM 2,943,384
PETKOV, JORDAN TODOROV 2,968,523
PETROLEO BRASILEIRO S.A. - PETROBRAS 3,043,245
PETROU, ANTON A. 3,013,033
PETTERSEN, JORN STALE 3,070,226
PFAHLERT, VOLKER 3,055,004
PFEIFER HOLDING GMBH & CO. KG 2,996,993
PFEIL, ARMIN 3,000,788
PFIZER INC. 3,100,144
PHAM DUC, TUAT 2,990,309
PHAM, KHIEM 3,066,370
PHAM, QUYNH 2,986,440
PHAN, SEM H. 2,823,913
PHARMAFILTER B.V. 2,993,129
PHARMAQ AS 3,070,226
PHILIP MORRIS PRODUCTS S.A. 3,005,582
PHYSIOL SA 2,994,211
PICARDI, ULISES 3,141,755
PICHLER, GARWIN 2,989,261
PICHON, ADAM 2,844,768
PIERCE, BRADEN 3,076,656
PIERONI, KENNETH A. 2,978,763
PIKESH, DERRYN W. 2,942,409
PILCHER, MATTHEW ROBERT 3,083,506
PILLING, DOUGLAS A. 3,088,407
PILLING, IAN M. 3,088,407
PIMERA, INC. 2,978,571
PINCHUK, ANATOLY 3,031,076
PIONEER HI-BRED INTERNATIONAL, INC. 3,135,686
PIONEER HI-BRED INTERNATIONAL, INC. 3,138,109
PIONEER HI-BRED INTERNATIONAL, INC. 3,166,836
PIONEER HI-BRED INTERNATIONAL, INC. 3,166,841
PIONEER HI-BRED INTERNATIONAL, INC. 3,166,866
PIONEER HI-BRED INTERNATIONAL, INC. 3,166,870
PIONEER HI-BRED INTERNATIONAL, INC. 3,166,877
PIONEER HI-BRED INTERNATIONAL, INC. 3,166,882
PIONEER HI-BRED INTERNATIONAL, INC. 3,166,883
PIONEER HI-BRED INTERNATIONAL, INC. 3,166,891
PIOTROWSKI, FAITH LEANN 3,031,739
PIOTROWSKI, FAITH LEANN 3,031,743
PIROTEALA, TUDOR 3,110,293
PITCO FRIALATOR, INC. 3,097,528
PITSCH, WALTER 3,000,652
PITT, SIMON 2,942,756
PIZZOCHERO, ALESSANDRO 2,997,427
PLANCKEEL, ALINE 2,986,663
PLAS-TECH ENGINEERING, INC. 2,967,041
PLASTIPAK PACKAGING, INC. 2,968,230
PLATINSKY, LUKAS 3,083,430
PLS TECHNOLOGIES, INC. 2,985,584
PLUNKETT, SEAN 2,894,031

Index of Canadian Patents Issued
October 3, 2023

PO, RICCARDO 2,981,937
POCAS, STEPHANE 2,920,648
PODIMETRICS, INC. 2,943,381
PODMOKLY, DAVID M. 3,105,696
PODOLSKI, JAMES 2,991,712
POGUE, SARAH L. 2,945,902
POLARES MEDICAL INC. 2,934,182
POLARIS INDUSTRIES INC. 3,061,397
POLARIS INDUSTRIES INC. 3,082,128
POLIANSKII, NIKITA 3,062,966
POLYAKOVA, ELENA 2,993,799
POLYAKOVA, ELENA 3,138,656
POMESTCHENKO, IRINA 2,993,799
PONCE DE LEON, PHILIP 3,126,456
PONTRELLI, DONALD A. 3,136,306
POPA, LAURENTIU 3,023,100
PORTER, PHILIP JOHN 3,111,604
PORTERFIELD, JOHN WRIGHT, JR. 2,961,786
POSCH, JEFFREY 3,166,882
POST, CINDY A. 3,098,998
POTH, TILO 2,981,116
POTRERO MEDICAL, INC. 2,961,757
POTTER, MARK 3,095,711
POTTER, MARK 3,119,303
POTTORF, RICHARD S. 2,975,476
POULADI, MAHMOUD ABDULHOSSEIN 3,050,700
POULAIN, ISABELLE 2,964,023
POULSEN, SVEN ERIK 3,006,626
POURASHRAF, MEHRNAZ 2,994,478
POWER TECH STAPLE AND NAIL, INC. 2,988,512
POWERCELL SWEDEN AB 3,099,303
POZZI, FAUSTO 3,006,478
PRABHU, VISHAL MANJANATH 3,067,020
PRAHL, GARRETT 2,986,440
PRAKASH, G. K. SURYA 2,931,941
PRAKASH, G.K. SURYA 2,973,572
PRATS, LEANDRO 3,141,755
PRATT & WHITNEY CANADA CORP. 2,930,755
PRATT & WHITNEY CANADA CORP. 2,937,306
PRATTEN, A. WARREN 3,083,896
PRE LABS INC. 3,012,814
PRECISION FIBERGLASS PIPING INC. 3,010,169
PRECISION PLANTING LLC 2,999,077
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 2,896,997
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 2,917,889
PRICE, CRAIG M. 2,934,173
PRICE, DERRICK 2,941,774
PRICE, GENE TEMPLE 3,045,522
PRICE, GENE TEMPLE 3,056,894
PRICE, GENE TEMPLE 3,061,181
PRICE, GENE TEMPLE 3,071,407
PRICE, GENE TEMPLE 3,080,961
PRICELIUS, SINA 3,085,345
PRILENIA NEUROTHERAPEUTICS LTD. 2,951,494
PRILENIA NEUROTHERAPEUTICS LTD. 3,050,700
PRIME FORMING & CONSTRUCTION SUPPLIES, INC., DBA FITZGERALD FORMLINERS 3,009,170
PRINSE, WILHELMUS CORNELIS 2,990,014
PRISCO, GIUSEPPE MARIA 3,001,934
PRIVITERA, SALVATORE 3,099,578
PRIYADARSHY, SATYAM 3,064,383
PRIYADARSHY, SATYAM 3,116,482
PRO FORM PRODUCTS LIMITED 2,962,889
PRO PAINT GEAR INC. 3,044,479
PROCYON TECHNOLOGIES LLC 3,114,197
PROFIRE ENERGY, INC. 2,998,640
PROSLIDE TECHNOLOGY INC. 3,118,107
PROSSER, KEVIN 3,109,865
PROSTROLLO, ANTHONY 2,986,440
PROTECH SPA 2,967,050
PROVISUR TECHNOLOGIES, INC. 3,079,712
PRUFER, DIRK 3,110,627
PRZESLAWSKI, BRIAN DAVID 3,045,623
PTC INC. 2,982,074
PUGSLEY, TODD 2,943,314
PULE, MARTIN 2,982,532
PULLMAN, DOUGLAS G. 2,937,341
PUPEZA, IOACHIM 3,054,470
PURANAM, SRIVATSAVA 3,020,101
PURWAR, SURYANSH 3,116,482
PUTVINSKI, SERGEI 2,965,682
PUYOL, YOEL 3,001,804
QI, SHIZE DANIEL 2,610,294
QI, ZUDE 3,102,650
QIAGEN GMBH 2,953,942
QIAGEN REDWOOD CITY, INC. 2,953,942
QIAO, HONGYUN 3,108,213
QIAO, YUNFEI 3,062,966
QIU, ZHENFANG 3,109,996
QUALCOMM INCORPORATED 2,977,411
QUALCOMM INCORPORATED 2,980,932
QUALCOMM INCORPORATED 2,986,068
QUALCOMM INCORPORATED 2,986,430
QUALCOMM INCORPORATED 2,996,875
QUALCOMM INCORPORATED 3,016,028
QUALCOMM INCORPORATED 3,073,686
QUANCI, JOHN FRANCIS 3,124,960
QUANCI, JOHN FRANCIS 3,125,585
QUATTROPANI, ANNA 3,014,572
QUEEN'S UNIVERSITY AT KINGSTON 2,988,326
QUEEN, WESLEY 3,073,686
QUEROLLE, OLIVIER ALEXIS GEORGES 2,996,989
QUINN, ANTHONY 2,810,999
QUINTANAR, FELIX C. 2,995,469
QULAB MEDICAL LTD. 3,147,264
RAAK, MARTIN 3,095,807
RABASCO, JOHN J. 2,940,732
RABER, IAN 2,988,947
RABIE, AHMED 3,001,565
RABOLT, JOHN F. 3,110,531
RADTKE, DAVID EDWIN 3,081,908
RADTKE, IAN 2,989,818
RAGER, TIMO 3,141,737
RAHN, JENNIFER JOY 2,939,266
RAI STRATEGIC HOLDINGS, INC. 2,992,941
RAI STRATEGIC HOLDINGS, INC. 2,993,643
RAIBLE, DONALD G. 2,918,050
RAINA, PAVAN 2,983,645
RAJASEKARAN, JOHN J. 2,979,052
RAJASEKARAN, PARTHIBAN 2,964,357
RAJENDIRAN, CHINNAPILLAI 2,993,173
RAJKOVIC, ERICH 2,953,992
RAMAKUMAR, KARTHIK 3,011,450
RAMANARAYANAN, THARACAD S. 2,820,282
RAMANUJAN, RAJ 3,073,686
RAMBO, JEFFREY DOUGLAS 2,925,345
RAMMELOO, THOMAS JOACHIM LANDEWALD 3,006,237
RANCOURT, TIMOTHY 3,083,506
RANDOLPH, JOSEPH P. 2,798,159
RANFT, MEIK 2,990,904
RANGARAJAN, KESHAVA PRASAD 3,064,383
RANJAN SINHA, GOURAV 3,120,229
RAO, DANDINA 2,984,173
RAO, RANJIT R. 2,914,954
RAPHAELSON, STEVEN 2,964,756
RATLIFF, MICHAEL 3,089,317
RAVEN INDUSTRIES, INC. 3,120,202
RAY, COREY 2,978,910
RAYBORN, RANDALL LINWOOD 2,985,864
RAYMAN, JAN 3,096,340
RAYTHEON COMPANY 2,971,617
RAYTHEON COMPANY 2,993,523
REBACK, LARRY 2,974,360
REBECK, ALICE 2,992,601
RECH, JASON C. 2,960,972
RECH, JASON C. 2,991,765
REDLINE DETECTION, LLC 2,978,763
REDMOND, PETER LLOYD 3,110,293
REDZOVIC, SUAD 2,994,211
REED, DANIEL 3,000,017
REEVES, STUART 3,033,879
REEVES, THOMAS 3,039,948
REHBERG, ERIC L. 2,915,961
REICH, ROBERT 2,979,846
REIM, STEFAN 3,002,418
REIMER, DIMITRI 3,078,873
REINECCIUS, GREG A. 2,820,282
REINHOLD, PHILIP 2,993,006
REISMANN, OLAF 3,117,394
RELYEA, CHRISTOPHER M. 2,925,974

Index des brevets canadiens délivrés
3 octobre 2023

REMPEX PHARMACEUTICALS, INC. 2,982,911
REN, HUGANG 2,949,503
RENDER, STEPHEN 2,990,327
RENEHAN, THOMAS 3,069,439
RENNIES-HOCHMUTH, JAN 3,079,116
RENTSCH, SAMUEL 3,012,580
REPLICEL LIFE SCIENCES INC. 2,957,408
RESEARCH TRIANGLE INSTITUTE 2,919,752
RESETCO, CHRISTINA 3,091,659
RESONANT ACOUSTICS INTERNATIONAL INC. 3,173,282
REUSCH, UWE 2,953,992
REYES, ENRIQUE ANTONIO 3,123,762
REYES, GLENNYS JOHANNY DE JESUS 2,961,329
REYMOND, JEAN-LOUIS 2,950,354
REYNOLDS, ERIC CHARLES 2,735,171
REYNOLDS, JEFFREY 2,844,768
REYNOLDS, KEVIN 3,071,958
RHODIA OPERATIONS 2,967,072
RHONEY, BRIAN K. 3,116,865
RHYTHM PHARMACEUTICALS, INC. 2,906,782
RIBBLE, GEORGE W. 2,985,340
RICCI, GIOVANNI 2,958,194
RICCIUTI, ANTHONY T. 2,985,361
RICCIUTI, ANTHONY THOMAS 2,951,938
RICHARD, JULIE 3,110,293
RICHARDS, ANDREW 3,070,266
RICHARDS, DANIEL R. 2,953,942
RICHE, YANN FLORIAN DANIEL 2,932,267
RICHTER, COREY L. 2,999,016
RICHTER, THOMAS FABIAN 3,128,914
RICKENBACH, DANIEL 3,106,173
RICO ALVARINO, ALBERTO 2,980,932
RICOH COMPANY, LTD. 3,123,184
RIDENOUR, JORDAN 2,988,947
RIDER, DAVID ANTHONY 3,081,905
RIEDEL, PETER 3,000,592
RIEDER, ERIC 3,173,282
RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V. 2,955,716
RIKOSKI, RICHARD J. 3,119,785
RILE, ALEXIS 3,106,654
RIMMBACH, CHRISTIAN 3,106,144
RING, AARON MICHAEL 2,939,293
RING, NAN GUO 2,939,293
RIPBERGER, CARRIE 3,006,287
RISI STONE INC. 3,186,121
RISTAU, NATHAN 3,010,169
RISTO, MIIKKULAINEN 3,085,653
RITTGERS, MARK A. 3,097,630
RIVEST, SERGE 3,061,525
RIZVI, SYED MEESUM RAZA 3,032,490
ROAM HOLDINGS, LLC 3,135,585
ROBBINS, STEPHEN MARK 2,939,266
ROBERTSON, TIMOTHY ANDREW 3,060,212
ROBINE, ENRIC 2,827,173
ROBINSON, BRANDON 2,925,974
ROBINSON, CHRISTOPHER EUGENE 3,026,219
ROBL, THOMAS 3,126,453
ROCHE, NATHAN PATRICK 3,060,212
RODRIGUEZ, BRANDON A. 2,933,470
RODRIGUEZ, DIANA 2,922,879
ROESCH, ALEXANDER 3,056,430
ROGERS, DONALD 3,045,301
ROGERS, JAMES WILLIAM 2,992,941
ROGERS, JOSEPH D. 3,135,585
ROGERS, MARC E. 3,135,585
ROGERS, MATTHEW L. 2,926,459
ROGERS, TERRENCE E. 2,993,643
ROHM AND HAAS COMPANY 2,929,412
ROHM AND HAAS COMPANY 2,940,732
ROITBURG, LEON 2,860,795
ROJO-CALDERON, NOELIA 3,005,582
ROLLINGS-SCATTERGOOD, SASHA 2,966,936
ROLLINS, JAMES A. 2,939,553
ROLLS-ROYCE CORPORATION 2,932,101
ROLLS-ROYCE CORPORATION 2,932,597
ROLLS-ROYCE CORPORATION 2,932,601
ROLLS-ROYCE CORPORATION 2,934,173
ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC. 2,932,101
ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC. 2,932,597
ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC. 2,934,173
ROLLS-ROYCE PLC 2,932,597
ROLLS-ROYCE PLC 2,942,756
ROMAINE, IAN M. 3,018,974
ROMANO, JOSEPH 3,045,522
ROMANO, JOSEPH 3,056,894
ROMANO, JOSEPH 3,061,181
ROMANO, JOSEPH 3,071,407
ROMANO, JOSEPH 3,080,961
ROMANOV, VASILY V. 2,998,757
ROMET LIMITED 3,064,853
ROMIG, RALPH 3,036,684
RONCHI, MASSIMO 2,988,478
ROODENBURG, HENDRIK FICUS 2,984,755
ROODENBURG, JOOP 2,989,541
ROOZEMOND, PETER 3,008,051
ROSE, BRENT LORENZ 3,083,689
ROSENFELD, NITZAN 2,955,303
ROSHAN, SHASHI 3,119,996
ROSKOS, LORIN 2,918,050
ROSSI, MARVIN A. 2,969,228
ROSSI, SHINEY 2,926,459
ROSSUM VAN, GUUS 3,001,434
ROSTAMI, SHAMSEDIN 3,069,439
ROTHENBERG, ASHLEY RACHEL 3,126,456
ROTOLO, JIMMY 2,872,911
ROTVOLD, OYVIND 2,942,363
ROULLE, ALAIN 3,007,388
ROUSSEAU, BENJAMIN 3,001,762
ROUSSILLE, CLEMENT 2,986,663
ROUSSY, RICHARD BRIAN 3,106,958
ROUX, LAURENT 3,025,687
ROUZIER, EDOUARD 2,916,673
ROVI GUIDES, INC. 3,047,244
ROWE, CHRISTOPHER 3,095,711
ROWE, JOHN LAWRENCE 2,961,967
ROXTEC AB 2,943,384
ROXTEC AB 2,978,723
ROY, JOY 2,903,839
ROY, MONIDEEPA 2,915,357
ROY, SHAUNAK 2,610,294
ROYSTON, CLIFTON 2,977,128
ROZEK, ROY J. 3,060,212
RTL GROUP INVESTMENTS PTY LTD 3,070,218
RUBICONI, FRANCK 3,096,355
RUBINO, DANTE TOMMASO 2,984,878
RUDOLF, MICHAEL 2,857,423
RUDOLPH, DALE A. 2,960,972
RUETER, MICHAEL A. 2,997,165
RUIZ-VELA, ALBERTO 3,055,789
RUMJAHN, AMINAH M.. 2,979,132
RUMORE, MICHAEL ADAM 3,116,868
RUPEREZ, RUBEN R. 2,940,860
RUPHUY CHAN, GABRIELA 3,131,583
RUSAKOV, DMITRY 3,055,740
RUSH UNIVERSITY MEDICAL CENTER 2,969,228
RUSH, LEE MICHAEL 2,995,469
RUSICH, RICHARD 2,928,048
RUSSELL, PHILIP 2,995,736
RUSU, ANA 2,936,487
RUTTENS, BART ANTOON JUDITH 3,111,604
RX NETWORKS INC. 3,011,868
RYMAN, MORGAN 3,118,512
RYMAN, MORGAN 3,118,586
RYU, JEI MAN 2,997,549
RYU, SHIN-YOUNG 3,107,624
SACK, MICHAEL 2,964,756
SADAKI, AKIRA 3,090,067
SADRIEH, SEYED NIMA 3,011,868
SAEZ, JEAN-FRANCOIS 2,949,423
SAFEOP SURGICAL INC. 3,122,358
SAFRAN 3,025,331
SAFRAN AIRCRAFT ENGINES 2,986,663
SAFRAN AIRCRAFT ENGINES 3,025,331
SAGAS, SERGI 2,921,264
SAILOR, MICHAEL J. 2,990,247
SAINT-GOBAIN ECOPHON AB 3,111,003
SAKAGUCHI, KAZUTAKA 2,994,624
SAKANISHI, KOHEI 3,074,208
SAKHAEI, ALBORZ 3,109,865
SALAMUNOVA, PETRA 3,131,583
SALAZAR, KIM 3,018,601
SALEHIFAR, MEHDI 3,088,026

SALENIKOVICH, ALEXANDER 2,960,543
SALENTINE, ERIC LEE 3,081,987
SALMON, KEVIN M. 2,979,132
SALON, IVAN 3,131,583
SALVADOR POLO, ALEJANDRO 2,967,716
SAMARANAYAKE, HARITHA 3,131,796
SAMPATH, BANGARU DHARMAPURI SRIRAMULU 3,026,811
SAMSUNG ELECTRONICS CO., LTD. 2,983,816
SAN ROMAN MACIA, MARIA 3,001,434
SAND SEPARATION TECHNOLOGIES INC. 3,076,843
SANDLIN, REBECCA 2,957,535
SANDULACHE, GABRIELA 3,022,885
SANGHANI, PARESH C. 2,933,470
SANKO TEKSTIL ISLETMELERI SAN. TIC. A.S. 3,086,287
SANOCULIS LTD. 3,038,016
SANTRA, SWADESHMUKUL 2,964,357
SANZ, GUILLERMO G. 2,940,860
SAPERE BIO, INC. 3,015,509
SARAGAGLIA, AMAURY 2,990,553
SARAIVA, DANIEL 2,985,024
SARDONINI, MICHAEL 3,045,301
SARGENT, EDWARD 3,135,774
SARKAR, ARINDAM 2,915,357
SAS SYSTEMS AUSTRALIA PTY LTD 3,014,711
SAUCY, DANIEL A. 2,940,732
SAUDI ARABIAN OIL COMPANY 2,943,773
SAUGEN, BERNT 3,013,181
SAUGET, VINCENT 3,025,687
SAUNDERS, NICHOLAS IAN 2,870,591
SAURIN, JEAN-CHRISTOPHE 2,959,671
SAVAGE MEDICAL, INC. 2,998,170
SAVAGE, JEREMY C. 2,983,698
SAVANT TECHNOLOGIES LLC 3,058,796
SAVARINO, STEPHEN 2,961,883
SAVATSKY, BRUCE J. 3,104,497
SAVENKOFF, RYAN DOUGLAS 3,012,262
SAVSUNENKO, OLEKSANDR 3,138,656
SAWADA, SHUICHI 3,132,218
SAWYERS, CHARLES L. 2,933,590
SAXBY, CARL 2,937,579
SAYAMA, HIRONOBU 3,133,268
SBD APPAREL LTD 2,965,083
SCHAAL, SHLOMIT 3,014,030
SCHADEWEG, VIRGINIA 2,960,930
SCHATZ, PEER M. 2,953,942
SCHENCK PROCESS AUSTRALIA PTY LIMITED 2,989,017
SCHENCK PROCESS LLC 3,105,696
SCHERER, JACOB D. 3,082,128
SCHIFFMAN, RHETT 3,091,154
SCHIFLE, ANDREW 3,112,020
SCHILLER, DAVID 3,094,158
SCHINELLI, NICOLA 2,995,011
SCHLAGE LOCK COMPANY LLC 3,127,033
SCHLEICH, FLORENCE 2,997,506
SCHLITTENHARD, JAN 2,994,992
SCHLITTENHARD, JAN 3,125,926
SCHLUMBERGER CANADA LIMITED 2,893,718
SCHLUMBERGER CANADA LIMITED 2,978,910
SCHLUMBERGER CANADA LIMITED 2,984,719
SCHMAUS, GERHARD 3,026,566
SCHMID, JOSHUA 2,981,116
SCHMIDT, CHRISTOPHER 2,996,434
SCHMIDT, MALLE 2,951,494
SCHMIDT, RYAN 2,958,654
SCHMITT, ERIC HOLLAND 3,141,506
SCHMITT, KIRK D. 3,007,214
SCHMITT, MICHAEL H. 3,018,964
SCHNEIDER ELECTRIC USA, INC. 3,101,286
SCHNEIDER, ROLAND 2,999,618
SCHOELKOPF, ROBERT J., III 2,977,664
SCHOELKOPF, ROBERT J., III 2,993,006
SCHOLTES, JOZEF HUBERTUS GERARDUS 2,990,014
SCHOONEBEEK, RONALD JAN 3,001,434
SCHREIBER, DAVID 3,147,264
SCHREIBER, KEVIN JOSEPH 2,991,112
SCHROEN, DEREK 3,076,656
SCHUBERT, STEFFEN 3,081,905
SCHUCH, RAYMOND 2,872,911
SCHULTZ, ANDREW M. 2,981,181
SCHULTZ, COLE WILLIAM 3,076,843
SCHULZE GRONOVER, CHRISTIAN 3,110,627
SCHULZE, TOBIAS 3,117,871
SCHULZE, WILLIAM 3,089,317
SCOPERTA, INC. 2,997,367
SCOTT, ANTHONY J. 3,122,264
SCOTT, EDWARD 3,045,301
SCOTT, JOHN 3,002,418
SCOTT, RYAN 2,924,908
SEARL, KARL M. 3,097,528
SEARS, KENNETH 2,984,719
SEB S.A. 2,997,496
SEB S.A. 3,018,181
SEBASTIAN, WILLIAM 3,105,186
SEBBAN, SANDRINE 2,956,057
SEBESTA, KENNETH D. 3,018,601
SECOMBES, CHRISTOPHER JOHN 2,950,239
SECOND SCREEN VENTURES LTD. 2,977,740
SEEBER, MARCEL 2,963,326
SEGNUT PTY LTD 2,971,221
SEHN, TIMOTHY 2,895,728
SEIBERTZ, FRANK 3,051,150
SEIFERT, HELEN 2,961,493
SEIPP, THORSTEN 2,918,178
SEKIGUCHI, KAZUTOSHI 2,957,312
SEKISUI KASEI CO., LTD. 3,144,952
SELANTAUS, MAARIA 2,952,881
SELECTA BIOSCIENCES, INC. 2,910,417
SELLERS, GREGORY 3,040,510
SELMA DIAGNOSTICS APS 2,999,795
SELVAGANAPATHY, PONNAMBALAM RAVI 2,900,769
SENECHAL, DANIEL ALAN 3,026,219
SENGER, DONNA LORRAINE 2,939,266
SENGUPTA, ANIRUDDHA 2,915,357
SENGUPTA, SHILADITYA 2,915,357
SENSORMATIC ELECTRONICS LLC 2,961,876
SEO, BORAM 3,099,668
SEO, JEONGBEOB 3,126,689
SEPPALA, JUKKA 2,965,082
SEPTIEN ROJAS, JOSE MANUEL 3,115,060
SERBIAK, BENJAMIN 2,977,375
SERFASS, NATHAN C. 3,053,127
SERRURIER, DOUGLAS 2,938,522
SERVICENOW CANADA INC. 3,097,644
SERVICENOW, INC. 3,058,370
SETHURAMAN, SRIRAM 3,111,628
SETHURAMAN, SRIRAM 3,111,679
SETTER, ANDREW 3,127,033
SEVERN, JOHN RICHARD 3,008,051
SEYMOUR, GRAHAM 2,980,885
SHABAFROOZ, VAHID 2,992,669
SHACKLEFORD, DAVID 3,106,654
SHAFIQUE, HARRIS 2,937,306
SHAH, MANISH 3,119,996
SHAILY ENGINEERING PLASTICS LIMITED 3,095,509
SHAKE, MICHAEL P. 2,987,961
SHAND, MARK ALEXANDER 3,077,071
SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES 3,122,317
SHANKAR, SHYAM 2,977,664
SHARKNINJA OPERATING LLC 2,971,610
SHARMA, AMINISH 3,119,996
SHARMA, SHUBH 2,906,782
SHARMAN, KARL JAMES 2,870,591
SHASHIKANT RAO, SHASHANK 3,116,054
SHEAR, TIMOTHY, A. 3,177,369
SHEAROUSE, WILLIAM COFFIN 3,066,105
SHEEHAN, BRIAN EUGENE 3,009,170
SHEIKH, FAIZAN 2,983,944
SHEIN, ANDREW M. 3,018,601
SHELBY, KEVIN A. 2,981,067
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,001,434
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,002,894
SHEM, LLC 3,158,540
SHEN, JIAN-PING 2,919,752
SHEN, JIE 3,003,122

SHEN, LINGJUAN 3,001,565
SHEN, YONGQUAN 3,132,022
SHEN, ZUKANG 3,062,966
SHENOY, SURESH K. 2,926,850
SHENZHEN CARKU TECHNOLOGY CO., LIMITED 3,119,244
SHEPHERD, JON 3,002,418
SHESTAKOV, ANDREI VIKTOROVICH 3,068,559
SHI, PENGJUN 3,141,850
SHI, RUNYU 2,947,549
SHI, WEIHUA 3,109,996
SHIBATA, SHIN-YA 3,067,984
SHILLINGER, JACK 3,093,858
SHIN POONG PHARMACEUTICAL CO., LTD. 2,997,549
SHIN, NAREE 3,107,624
SHIN-ETSU CHEMICAL CO., LTD. 2,979,022
SHINKLE, AARON A. 3,025,879
SHINKODA, PAMELA 2,906,759
SHIPLEY, NIGEL JOHN 3,083,896
SHIVAREDDY, SAI 3,145,171
SHMUKLER, VADIM 3,038,016
SHOCK DOCTOR, INC. 3,031,739
SHOCK DOCTOR, INC. 3,031,743
SHOCK DOCTOR, INC. 3,031,748
SHOCK DOCTOR, INC. 3,031,749
SHOJI, HIDEKI 3,128,075
SHORELINE AS 2,997,644
SHORT, JAY M. 2,997,473
SHOSEYOV, ODED 3,024,308
SHUMWAY, WILLIAM WALTER 3,152,813
SHURMER, MATTHEW 2,992,287
SHUTTLE GAUGE IP PTY LTD 2,995,272
SHVETSOV, KYRYLO 3,079,842
SICK, SEBASTIAN 3,026,953
SIDDIQUI, NUHA 3,109,272
SIDDOWAY, CRAIG 3,112,553
SIDEBOTHAM, CHRISTOPHER G. 2,860,795
SIEDEL, THOMAS 2,992,601
SIEDER, GEORG 3,007,965
SIEGEL, MARCIA H. MONACO 2,916,821
SIEMENS ENERGY GLOBAL GMBH & CO. KG 3,117,871
SIEMENS ENERGY, INC. 3,135,833
SIEMENS HEALTHCARE DIAGNOSTICS INC. 3,067,020
SIEMENS HEALTHCARE DIAGNOSTICS INC. 3,133,974
SIEW, GERMAINE 2,951,649
SIGHT SCIENCES, INC. 2,980,713
SIGMA-ALDRICH CO. LLC 3,026,321
SILCOCK, PAUL JAMES 2,870,591
SILENCE THERAPEUTICS GMBH 3,081,905
SILENT AIRE MANUFACTURING INC. 2,831,972
SILIOS TECHNOLOGIES 3,025,687
SILVA BELATO, DONIZETI AURELIO 3,043,245
SILVA, RAUL 2,977,540
SILVA, SARAH J. 2,993,523
SILVER ANGELS, LLC 3,133,523
SILVER, BRUCE ALAN 2,989,111
SILVERMAN, BRETT M. 2,997,165
SIMI, MASSIMILIANO 3,001,934
SIMISTER, JAMES B. 2,926,459
SIMMONDS PRECISION PRODUCTS, INC. 2,948,754
SIMMS, RICHARD K. 2,996,598
SIMON, ANDREAS 3,026,953
SIMON, ANJA 2,958,157
SIMON, ANJA 2,995,644
SIMON, MICHAEL J. 2,981,067
SIMPSON ALVAREZ, JAIME ROBERTO 2,967,050
SIMPSON STRONG-TIE COMPANY, INC. 2,939,792
SIMPSON, ANN MARIE 3,017,352
SIMPSON, TERRY 2,961,786
SINACOLA, JESSICA 2,927,431
SINGENBERGER, RALPH 3,079,712
SINGH, AJAY PRATAP 3,116,482
SINGH, JOHN 3,141,603
SINGLE BUOY MOORINGS INC. 2,985,159
SIRIUS XM RADIO INC. 2,950,421
SIROUSPOUR, SHAHIN 3,101,582
SIRVEAUX, FRANCOIS 2,969,436
SITZMANN, BEAU 3,005,821
SIVIK, MARK ROBERT 3,102,261
SIVINSKI, JEFFREY ALAN 3,093,964
SKELTON, ROD 3,017,630
SKIELLER, CHRISTINA 2,961,757
SKURIDINA, DARIA 3,119,666
SKYLLAS-KAZACOS, MARIA 3,012,163
SLAKESKI, NADA 2,735,171
SLAWSKI, BARBARA 2,952,435
SLD TECHNOLOGY, INC. 2,991,112
SLIWA, KATRINA 2,977,664
SLL SERVICE GMBH 3,126,453
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH 2,933,590
SLOO, DAVID 2,926,459
SMALL, JOHN MARK 3,025,190
SMART SHOOTER LTD. 2,996,381
SMART WAVE TECHNOLOGIES, INC. 2,894,141
SMARTMED INC. 3,077,276
SMEGAL, RAYMOND T. 3,118,107
SMETS, JOHAN 3,111,604
SMICH, ANDREW 3,064,853
SMITH & NEPHEW PLC 2,937,579
SMITH & NEPHEW, INC. 2,995,469
SMITH, ANDRE HUGO 3,004,433
SMITH, DANIEL 3,045,522
SMITH, DANIEL 3,056,894
SMITH, DANIEL 3,061,181
SMITH, DANIEL 3,071,407
SMITH, DANIEL 3,080,961
SMITH, DANIEL VERITAS 3,092,364
SMITH, ERIC 2,951,649
SMITH, LARRY C. 3,056,238
SMITH, LEE 2,997,165
SMITH, MIKE RICHARD JOHN 3,048,823
SMITH, RYAN D. 2,930,605
SMITH, SUSAN H. 2,970,739
SMITH, TODD D. 2,996,598
SMITH, WESLEY 3,131,796
SMYTH WELDING & MACHINE SHOP LTD. 2,960,542
SMYTH, BARRY W. 2,960,542
SNAP INC. 2,895,728
SNAP-ON INCORPORATED 3,095,399
SNAP-ON INCORPORATED 3,119,263
SNAPPER, CLIFFORD M. 2,931,853
SNOW, MIKE 3,055,740
SOBIESKI, BRIAN 3,110,531
SOCHER, MARIA 3,015,143
SOCIETE DES PRODUITS NESTLE S.A. 2,968,458
SOCIETE DES PRODUITS NESTLE S.A. 2,994,609
SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE 3,051,804
SODERBERG, JEFFREY 2,946,637
SOERGEL, SEBASTIAN 2,989,253
SOFT MEDICAL AESTHETICS 2,956,057
SOIVIO, JAAKKO 3,119,881
SOLETANCHE FREYSSINET 3,023,390
SOLOMON, BARY 3,058,370
SOLVAY SPECIALTY POLYMERS ITALY S.P.A. 3,001,521
SOMMAZZI, ANNA 2,958,194
SON, SE JIN 3,088,618
SONACA S.A. 3,012,215
SONDEL, PAUL M. 3,031,076
SONG, GEUN SEOG 3,107,624
SONG, WEIXIN D. 2,987,961
SONOCO DEVELOPMENT, INC. 3,116,619
SONOS, INC. 3,121,516
SONY CORPORATION 2,870,591
SONY CORPORATION 2,947,549
SOPKA, JASON 3,122,479
SORELLI, LUCA 2,960,543
SORENSEN, HENNING 2,985,024
SORENSEN, JAKOB BRO 2,985,024
SOTO, MANUEL A. 2,961,876
SOUDOBEAM SA 3,020,361
SOUTER, PHILIP FRANK 3,085,345
SOUTHARD, GLEN E. 2,993,292
SOUTHEASTERN SYSTEMS, INC. 3,033,870
SOUTHWEST PETROLEUM UNIVERSITY 3,141,850
SOWA, CHRISTIAN 2,995,644
SOYODE-JOHNSON, AKINOLA 2,960,972
SOYODE-JOHNSON, AKINOLA 2,991,765
SOZZI ARREDAMENTI S.P.A. 3,006,478
SOZZI, PAOLO 3,006,478
SPECHTMEYER, TORBEN 3,125,926
SPECK, JAMES H. 2,962,889
SPELEERS, BRUNO 2,943,362
SPENCER, MATTHEW 3,096,340

SPENCER, RANDALL 2,887,568
SPICER, DAVID 3,147,241
SPILLING, KRISTIAN 2,965,082
SPIRK, JOHN EVAN 3,105,186
SPORCK, CHRISTIAN 2,996,875
SPRING, ROBERT 2,999,618
SPURR, PAUL 2,980,407
SPYRA, NIKOLAUS 3,123,302
SRI GOPALA KRISHNA MURTHI, SANKARA 3,000,879
SRI GOPALA KRISHNA MURTHI, SANKARA SUBRAMANIAN 2,988,454
SRINIVASA, SIDDHARTHA 3,045,522
SRINIVASA, SIDDHARTHA 3,056,894
SRINIVASA, SIDDHARTHA 3,061,181
SRINIVASA, SIDDHARTHA 3,071,407
SRINIVASA, SIDDHARTHA 3,080,961
SRISKANDHA, SHIVANTHI EASWARI 3,091,659
SRNIC, GORAN 3,166,891
ST-ONGE, GUILLAUME 2,983,656
STABEN, STEVEN T. 2,982,708
STACEY, GARY 2,964,756
STADLER, DANIEL 2,972,304
STAMBAUCH, KEVIN J. 3,128,766
STANFORD, WALTER NEAL 3,033,870
STANGE, OLAF 2,996,434
STAPLEY, JONATHAN 2,989,434
STARKOFF CO., LTD. 3,167,167
STASHUK, DAN 3,122,358
STASTKA, JERRY J. 3,113,699
STATE ATOMIC ENERGY CORPORATION "ROSATOM" ON BEHALF OF THE RUSSIAN FEDERATION 3,088,386
STATHACOPOULOS, PAUL 3,047,244
STAUFFER, TIMOTHY M. 2,939,792
STEARNS, RALPH 2,974,908
STEARNS, RICHARD G. 3,127,492
STEDELE, KATRIN 3,088,626
STEENBLOCK, ERIN R. 3,140,602
STEENWYK, ELIZABETH 2,988,947
STEFFEN WEISS, MARTIN 2,980,407
STEIGER, MICHAEL 2,951,805
STEINER, KEVIN 3,124,604
STENGER, PATRICK CHRISTOPHER 3,066,105
STEPAN COMPANY 2,973,183
STEPAN COMPANY 2,989,810
STEPANEK, FRANTISEK 3,131,583
STEPANYAN, ROMAN 3,008,051
STEPHAN, GARY ROBERT 3,105,186
STEPHENS, GEORGE 3,147,241
STERNBERGER, INA 2,977,588
STEWARD, STERLING LANE 2,953,887
STEWART, ALAN 3,187,819
STEWART, IAN 2,976,351
STODDARD, THOMAS 2,913,404
STOGNIEW, MARTIN 2,975,476
STOLBOUSHKIN, EUGENE 3,093,666
STOLL, PERRY 3,018,601
STOLLER, JASON 2,999,077
STOLYAROV, DANIEL 2,993,799
STOLYAROV, DANIEL 3,138,656
STOLYAROV, IVAN 2,993,799
STOPP, SEBASTIAN 3,065,440
STOUTIMORE, MICAH JOHN ATMAN 3,130,577
STOWERS, CHRISTOPHER C. 2,933,470
STRACKE, JORDAN 2,940,732
STRAKER, BENJAMIN J. K. 2,931,565
STRAUGHN, ARTHUR 2,977,540
STRNAD, MIKE 2,989,818
STRYKER CORPORATION 3,106,958
STUETZ, ANTON 2,977,588
STUHM, KAI 2,996,434
STUMPER, TIMO 3,062,715
STURGES, JAMES 2,993,523
SUBRAMANIAM, SOMASUNDARAM 2,917,293
SUDAN, MUNISH 3,120,229
SUHAI, WES 2,946,637
SULIKOWSKI, GARY A. 3,018,974
SULLIVAN, DANIEL J. 3,108,155
SUMIDA, NAOMI 2,878,644
SUMITOMO ELECTRIC INDUSTRIES, LTD. 3,010,721
SUN PATENT TRUST 2,995,519
SUN, PENG 3,105,524
SUN, PENG 3,126,300
SUN, WENJIE 3,003,122
SUN, YANJUN 2,975,476
SUN, YINWEI 3,135,509
SUNALLOMER LTD. 3,115,748
SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC 3,124,960
SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC 3,125,585
SUNCOR ENERGY INC. 2,943,314
SUNCOR ENERGY INC. 3,101,430
SUNDARAM, VIDYALAKSHMI VILATHUR 3,032,614
SUNG, ROGER R. 2,943,773
SUOMEN VISOR OY 3,035,030
SUOMEN YMPARISTOKESKUS SYKE 2,965,082
SUPUT, MARKO 3,096,340
SURAGANI, NAGA VENKATA SAI RAJASEKHAR 2,962,197
SURAWSKI, ERIC 2,928,048
SURFACE TO SURFACE INC. 2,937,341
SURGIQUEST, INC. 2,974,908
SURMODICS, INC. 2,962,101
SUSAKI, MAKOTO 3,109,509
SUTARIA, SAHEEL 2,961,757
SUTCLIFFE, JULIE L. 2,945,945
SUZUKI, TAKAO 3,145,555
SVACH, ROMAN 3,107,536
SVALINN CAP SYSTEMS AG 3,007,388
SVENDSEN, CLIVE 2,966,029
SVENSSON, INGEMAR 2,967,716
SWAMINATHAN, JAGANNATH 2,961,493
SWANSON, KEVIN G. 3,025,249
SWARTZMILLER, STEVEN B. 2,949,268
SWEENEY, KEVIN 2,964,756
SWEENY, PHILIP 2,959,052
SWEET, ALLEN A. 2,970,647
SWEET, MARK D. 2,966,186
SWISS TOWER MILLS MINERALS AG 3,050,980
SYKORA, ALEXANDER 3,128,914
SYLOR, FANG 2,997,496
SYMRISE AG 3,023,760
SYMRISE AG 3,026,566
SYNGENTA PARTICIPATIONS AG 2,984,897
SYSCO GUEST SUPPLY, LLC 3,195,611
SYSTEMEX ENERGIES INTERNATIONAL INC. 2,920,582
TABAKMAN, SCOTT M. 2,912,911
TAE TECHNOLOGIES, INC. 2,965,682
TAKAHASHI, YUKI 2,994,624
TAKEDA, TADAHIRO 3,074,208
TAL, HAIL 3,058,370
TAL, MICHAEL GABRIEL 2,978,394
TALBOT GRIFFITH, HANNAH M. 2,967,041
TALBOT, PIERRE 3,152,581
TALBOT-LANCIAULT, ALICIA 2,983,656
TALGA TECHNOLOGIES LIMITED 3,145,171
TALLA, RAJASEKHAR 3,110,293
TALREJA, MANISH 3,037,976
TAM, YUEN YI 3,008,909
TAMBLYN, ERIC 2,917,293
TAMIR, IDAN 3,147,264
TAMMINEN, TIMO 2,965,082
TAN, ZHIJUN 3,121,658
TANG, HAI 3,025,573
TANG, HAO 3,072,679
TANG, ZHENFEI 3,072,679
TANKBOTS, INC. 3,136,306
TANNER, REIJO 2,965,082
TAPPER, RENATE 3,108,963
TARATINE, BORIS 2,919,113
TARBIT, DAVID JOHN 3,085,345
TARNOWSKI, JOHN ANTHONY 2,896,572
TARNOWSKI, TARA LUANA BARRETT 3,166,891
TATA STEEL LIMITED 3,120,229
TAVERNESE, LUIGI 2,986,191
TAVILDAR, SAURABHA RANGRAO 2,977,411
TAVILDAR, SAURABHA RANGRAO 2,986,068
TAYLOR, ROSCOE W. 2,995,081
TAYLOR, RUSSELL H. 2,960,725
TAYLOR, SCOTT D. 3,082,128
TBL LICENSING LLC 3,099,243
TECHNOLOGICAL RESOURCES PTY. LIMITED 2,992,287
TECTUM HOLDINGS, INC. 3,134,352
TEDDER, THOMAS F. 2,607,281
TEIJIN FRONTIER CO., LTD. 3,010,539
TEJADO ETAYO, ALVARO 2,967,716

Index des brevets canadiens délivrés
3 octobre 2023

TEL HASHOMER MEDICAL RESEARCH INFRASTRUCTURE AND SERVICES LTD. 3,038,016
TELEDYNE E2V SEMICONDUCTORS SAS 2,993,732
TELEDYNE FLIR DETECTION, INC. 3,018,601
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,117,426
TELFORD, CODY 3,061,397
TENBAUM, STEPHAN 3,081,905
TERDALKAR, RAHUL JAYANT 2,926,850
TERIS, MIKAELA 2,994,331
TERP, MEGAN 3,090,800
TERRAMERA EXCO HOLDINGS LTD. 2,948,090
TERRETT, JONATHAN ALEXANDER 2,926,324
TERSTAPPEN, GEORG C. 2,932,218
TERUEL, NELSON LUIS BERTAZZO 3,116,185
TESAR, DEVIN 2,877,009
TESSIER, SHANNON 2,957,535
TETRA LAVAL HOLDINGS & FINANCE S.A. 2,985,877
TETREAULT, MICHAEL 2,957,280
TEUFEL, RAINER BERNHARD 3,111,489
TEVA PHARMACEUTICAL INDUSTRIES LIMITED 2,932,218
TEVA PHARMACEUTICALS AUSTRALIA PTY LTD 2,945,902
THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 2,977,499
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 2,939,293
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 2,994,942
THE BOEING COMPANY 2,996,598
THE BOEING COMPANY 3,025,249
THE BOEING COMPANY 3,044,125
THE BOEING COMPANY 3,049,071
THE BOEING COMPANY 3,126,074
THE CENTRAL GROUP 2,924,333
THE CLOROX COMPANY 2,979,132
THE CLOROX COMPANY 3,006,287
THE COCA-COLA COMPANY 2,953,887
THE GENERAL HOSPITAL CORPORATION 2,957,535
THE GENERAL HOSPITAL CORPORATION 2,963,874
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 3,135,774
THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC. 2,931,853
THE JOHNS HOPKINS UNIVERSITY 2,960,725
THE LUBRIZOL CORPORATION 2,995,757
THE MEDICAL COLLEGE OF WISCONSIN, INC. 2,870,969
THE METHODIST HOSPITAL 2,979,530
THE PROCTER & GAMBLE COMPANY 2,993,536
THE PROCTER & GAMBLE COMPANY 3,066,105
THE PROCTER & GAMBLE COMPANY 3,083,408
THE PROCTER & GAMBLE COMPANY 3,085,345
THE PROCTER & GAMBLE COMPANY 3,102,261
THE PROCTER & GAMBLE COMPANY 3,111,489
THE PROCTER & GAMBLE COMPANY 3,111,604
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,899,020
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,945,783
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,945,945
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,990,247
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,000,633
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,083,254
THE REGENTS OF THE UNIVERSITY OF MICHIGAN 2,823,913
THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY 3,120,229
THE SCRIPPS RESEARCH INSTITUTE 2,980,010
THE SECRETARY OF STATE FOR DEFENCE 2,985,930
THE STRATEGIC COACH 3,108,155
THE TORONTO-DOMINION BANK 2,896,572
THE TORONTO-DOMINION BANK 3,044,826
THE TORONTO-DOMINION BANK 3,083,896
THE TORONTO-DOMINION BANK 3,114,591
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 2,947,614
THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE NAVY 2,961,883
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES 2,934,075
THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN 2,950,239
THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH 3,021,550
THE UNIVERSITY OF BRITISH COLUMBIA 3,008,909
THE UNIVERSITY OF NOTTINGHAM 2,980,885
THEODOULOU, MICHAEL DAVID 2,966,936
THERANOS IP COMPANY, LLC 2,901,052
THERANOS IP COMPANY, LLC 2,903,839
THERANOS IP COMPANY, LLC 2,906,824
THIBAULT, SIMON 2,983,656
THIEDE, SEBASTIAN 2,996,434
THIERGART, OLIVER 3,122,168
THOMAS, FRANK 3,117,871
THOMAS, JEAN-PHILIPPE 3,020,361
THOMAS, LESLIE JAMES 3,014,711
THOMASON, SUSAN 2,947,590
THOMPSON, GUY, III 2,917,889
THOMPSON, KIMBERLEE 2,947,590
THOMPSON, MARK 3,109,468
THOMSON, MATTHEW D. 2,960,542
THON, JONATHAN N. 2,896,997
THORNE, JASON B. 2,971,610
THULE SWEDEN AB 2,972,560
THYSSENKRUPP STAIRLIFTS B.V. 3,066,846
TIANJIN HEMAY PHARMACEUTICAL CO., LTD. 3,098,927
TIBERIO, PAOLA 2,961,275
TIERNEY, PAUL E. 3,095,163
TIMBERMAN, JULIE 3,006,287
TIPTON, WADE 3,095,711
TISSERAND, STEPHANE 3,025,687
TIWARY, YOGESH 2,929,412
TO, WAYNE 3,039,426
TOBISEK, JIRI 2,904,813
TODD, CHRIS 2,610,294
TOFE, ROBERT 2,887,568
TOMER, YARON 3,009,056
TOMMASI, RUBEN 2,966,632
TOMULEWICZ, MIKOLAJ 3,073,146
TONER, GERALDINE ALICE 3,095,163
TONER, MEHMET 2,957,535

Index of Canadian Patents Issued
October 3, 2023

TONG, ZUOFEI 3,109,996
TONGIANI, SERENA 2,970,060
TOPHAM, GARETH 2,992,287
TOPINKA, JOHN BENJAMIN 2,981,360
TORNIER 2,969,436
TORONTO, DAWN V. 3,014,572
TORRENT, GERARD 2,921,264
TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION 3,111,133
TOTAL SA 3,081,938
TOTAL SE 3,135,774
TOTALENERGIES RAFFINAGE CHIMIE 2,992,691
TOURIGNY, JAY S. 3,096,710
TOUVANNAS, JOHN 3,131,511
TOYO SYSTEM CO., LTD. 3,128,075
TOYOTA JIDOSHA KABUSHIKI KAISHA 3,132,218
TRAEGER PELLET GRILLS, LLC 2,941,277
TRAN, HAI QUANG 2,950,335
TRAN, TRI D. 2,969,111
TRANS UNION LLC 2,844,768
TRANVOUEZ, DELPHINE 2,964,023
TRAPP, BENJAMIN M. 3,123,614
TRETIAKOVA, ANNA 2,947,614
TRICIDA, INC. 2,912,911
TRILOGIC PHARMA LLC 2,993,012
TROWER, MIKE 3,009,283
TRUDEAU, PAUL 3,006,436
TRUKHAN, NATALIA 2,952,435
TSAI, CHANG FU 3,145,852
TSCHETTER, JEFFREY 3,094,158
TSUBOKURA, MITSUTAKA 3,010,721
TSUJIMURA, TAKAO 3,152,383
TSUJIUCHI, TATSUYA 3,109,357
TSUJIUCHI, TATSUYA 3,109,449
TSUKAMOTO, NOBUNARI 3,123,184
TU, RONGHUA 3,003,122
TUBERQUIA, JUAN C. 2,996,615
TUERCK, VOLKER 3,119,666
TULLOCH, ANDREW 2,976,856
TULLY, GRIFFETH 2,961,757
TURK, BRIAN 2,919,752
TURNER, JASON 3,025,249
TURNTIDE TECHNOLOGIES INC. 3,050,449
TURPIN, ARNAUD 2,935,753
TWARDAWA, MARCEL 3,079,712
TWERDOCLEB, COLIN 3,010,169
TWIST-EASE, INC. 3,017,783
TYAGI, KRITIKA 3,109,272
UCL BUSINESS LTD 2,982,532
UDDIN, NASIR 3,070,266
UEBEL, PATRICK 2,995,736
UENO, TSUYOSHI 3,123,184
UGOLINI, ALAN W. 3,116,865
ULLRICH, THOMAS 2,937,832
ULTRATA, LLC 2,974,360
UNCITI-BROCETA, ASIER 3,021,550
UNG, YEE WEI 2,968,523
UNITECH OFFSHORE AS 3,083,632
UNITED BIOMEDICAL, INC. 2,804,604
UNITED STATES GYPSUM COMPANY 2,987,961
UNITEDHEALTH GROUP INCORPORATED 3,098,998
UNIVATION TECHNOLOGIES, LLC 3,104,497
UNIVERSAL CITY STUDIOS LLC 3,131,885
UNIVERSITA' DEGLI STUDI DI MILANO 2,961,275
UNIVERSITAT BERN 2,950,354
UNIVERSITAT ROSTOCK 3,106,144
UNIVERSITE CLAUDE BERNARD LYON 1 2,959,671
UNIVERSITE DE LIEGE 2,997,506
UNIVERSITE LAVAL 2,960,543
UNIVERSITEIT GENT 2,943,362
UNIVERSITY OF ARIZONA 3,114,197
UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. 2,964,357
UNIVERSITY OF DELAWARE 3,110,531
UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION 3,014,030
UNIVERSITY OF SOUTHERN CALIFORNIA 2,931,941
UNIVERSITY OF SOUTHERN CALIFORNIA 2,973,572
UNIVERSITY OF VIRGINIA PATENT FOUNDATION 3,027,019
UPTON, DAVID RONALD 2,995,469
URL, MICHAEL 3,123,302
URONEN, PAULIINA 2,965,082
URTIGA, LUCAS 2,986,191
URWYLER, SIMON 2,857,423
VAIDYA, ABHISHEK 2,949,268
VAIDYA, ABHISHEK 3,109,865
VAILLANCOURT, CHARLES 2,929,477
VAKNIN, OFER 2,977,740
VALCKE, ALEX 2,947,590
VALENCIA, JUAN 2,982,604
VALID MANUFACTURING LTD. 3,054,054
VALOYA OY 3,079,298
VALVERDE, ANTOINE 2,921,264
VAN AKEN, KOEN 3,111,604
VAN BUUREN, EUGENE 2,982,234
VAN BUUREN, JACQUES 2,982,234
VAN DE WETERING, MARCUS LAMBERTUS 2,696,047
VAN DEN ABBEELE, TIM 2,966,427
VAN DEN BERG, EDUARDO ALEXANDER 2,993,129
VAN DER HEIDE, EVERT 3,002,894
VAN DER LANS, MARCUS JOHANNES 2,990,014
VAN DER PLOEG, LEONARDUS H.T. 2,906,782
VAN DER WESTHUIZEN, JACO ERNEST 2,820,282
VAN DILLEN, TIEMEN 2,991,252
VAN DYCK, JOHAN 3,009,574
VAN EIJGEN, WILCO 3,066,846
VAN GAASBEEK, ERIK PIETER 2,985,973
VAN HEERDEN, LAUREN 2,896,572
VAN HERWIJNEN, ZEGER OTTO 2,955,716
VAN HOUTEN, YVONNE MARIA 2,955,716
VAN LOOY, KEVIN 3,009,574
VAN SCHOOTEN, FREDERIK-JAN 2,997,506
VAN STEEN, KRISTEL 2,997,506
VAN VLIET, BART 2,999,285
VAN WEST, PIETER 2,950,239
VANDERBILT UNIVERSITY 2,977,499
VANDERBILT UNIVERSITY 3,018,974
VANDEVEN, MICHAEL L. 2,940,860
VANDIGRIFF, JOHN EDWARD 2,934,113
VARMA, SHARAT 2,903,596
VASILAKOS, KEVIN ANDREW 3,071,856
VATAHOV, PETRE 3,071,104
VAUGHN, ROGER 2,973,826
VAUPRES, MAXIME 2,956,057
VEACH, DARREN R. 2,933,590
VECCHIO, CHRISTOPHER J. 3,123,614
VEGA RIOS, ALEJANDRO 2,911,752
VEGA ZAYAS, LUIS R. 3,121,516
VEKOMA RIDES ENGINEERING B.V. 2,984,755
VELAGAPUDI, PRASANNA 3,045,522
VELAGAPUDI, PRASANNA 3,056,894
VELAGAPUDI, PRASANNA 3,061,181
VELAGAPUDI, PRASANNA 3,071,407
VELAGAPUDI, PRASANNA 3,080,961
VELDEMAN, LIV 2,943,362
VELET, ALEXANDER 3,105,186
VENKATESWARAN, AMUDHAN 2,933,470
VENKATESWARLU, JASTI 2,993,173
VENTURI, MARK LOUIS 2,984,381
VERBEKE, HUGO 3,009,574
VERES, TEODOR 2,972,194
VERHEIJEN, JEROEN CUNERA 2,966,632
VERING, GREGORY J. 3,049,071
VERMEULEN, WIM 2,996,989
VERMOT-DESROCHES, CLAUDINE 2,959,671
VERNIER, JEAN-MICHEL 2,961,781
VERSALIS S.P.A. 2,958,194
VERSICOLOR TECHNOLOGIES, LLC 3,017,352
VERSTEEG, RICHARD JOHANNES ROBERT 3,054,054
VERSUNI HOLDING B.V. 2,991,252
VESTOL ENDRERUD, OLE ERIK 2,997,644
VETSCH, RYAN 2,831,972
VETTER, ANDREAS 3,127,425
VEZINA, LOUIS-PHILIPPE 3,152,581
VGW HOLDINGS LIMITED 3,012,736
VIASAT, INC. 2,981,857
VIAUX, IVAN 3,006,326
VIBRANT HOLDINGS, LLC 2,979,052
VICKTORIUS, WINFRIED 3,000,287
VICKTORIUS, WINFRIED 3,001,499

VIDA IP, LLC 2,970,647
VIELHABER, GABRIELE 3,026,566
VIENS, MATHIEU 3,179,225
VIFOR (INTERNATIONAL) AG 3,002,418
VIJAYASANKARAN, NATARAJAN 2,903,596
VIKING GENETICS FMBA 2,989,258
VILNIUS UNIVERSITY 2,896,997
VINSON, PHILLIP KYLE 3,066,105
VIRENTIA INNOVATION INC. 3,152,581
VISA EUROPE LIMITED 2,919,113
VISHWANATH, RAMAKRISHNAN 2,968,414
VITANTONIO, MARC 3,105,186
VIVO MOBILE COMMUNICATION CO., LTD. 3,105,524
VIVO MOBILE COMMUNICATION CO., LTD. 3,126,300
VIWIT PHARMACEUTICAL CO., LTD. 3,115,742
VO, DAI 2,952,260
VOELZ, NICHOLAS R. 2,990,968
VOGEL, PETER ALLEN 3,056,277
VOGT, SEBASTIAN 3,095,395
VOGT, WOLFGANG WALTER 2,990,229
VOISIN, LAURE 2,994,211
VOLEK, ROBERT 2,997,080
VOLKMER, JENS-PETER 2,939,293
VORBERG, GERALD 3,007,965
VOVOS, ROBERT J. 3,103,593
VOYTAS, DANIEL 2,913,404
VRIELYNCK, FREEK ANNIE CAMIEL 3,111,604
VROMAN, HILDA B. 3,007,214
VUILLERMOZ, BORIS 2,959,671
VUORENOJA, ARI-MATTI 3,120,731
VURMA, MUSTAFA 3,090,800
VYSOKA SKOLA CHEMICKO-TECHNOLOGICKA V PRAZE 3,131,583
VYSTRCIL, ROBERT 3,105,186
W. L. GORE & ASSOCIATES, INC. 3,097,630
W. L. GORE & ASSOCIATES, INC. 3,100,547
W. L. GORE & ASSOCIATES, INC. 3,113,699
W. L. GORE & ASSOCIATES, INC. 3,123,614
W. L. GORE & ASSOCIATES, INC. 3,130,775
WACHTEL, HERBERT 2,948,066
WACK, HOLGER 2,918,178
WADDLETON, DAVID 2,937,306
WADE, DENA 3,117,896
WADE, LI 2,997,496
WAGNER, DUANE D. 3,082,128
WAGNER, THOMAS 3,045,522
WAGNER, THOMAS 3,056,894
WAGNER, THOMAS 3,061,181
WAGNER, THOMAS 3,071,407
WAGNER, THOMAS 3,080,961
WAHL, MARKUS 3,055,873
WAKEFIELD, MAUREEN ELIZABETH 2,948,090
WALCH, MATTHEW DAVID 3,166,841
WALCH, MATTHEW DAVID 3,166,866
WALL, CLAUDIA 2,953,992
WALL, EMMA 3,004,836
WALL, JESSICA L. 2,991,765
WALLIS, DAVID 2,992,287
WALLIX 2,997,495
WALSH, JASON M. 2,949,268
WALSH, JOSEPH, C. 3,104,186
WALTER, AIRTON 2,985,024
WAN, CHUYUN 3,119,367
WAN, SHUAI 3,121,922
WAN, TAO 2,984,692
WANG, BIAO 3,119,397
WANG, BING 2,918,050
WANG, BO 3,132,022
WANG, CAILIN 3,003,122
WANG, CHANG YI 2,804,604
WANG, CHENGWANG 2,610,294
WANG, CONG 3,003,122
WANG, GANG 3,113,128
WANG, GANG 3,119,996
WANG, JIAN 3,062,966
WANG, JIAN 3,115,742
WANG, JIMENG 3,003,122
WANG, JUN 3,062,966
WANG, LIMIN 3,025,477
WANG, LIYONG 3,073,686
WANG, LIYU 3,098,927
WANG, MICHAEL MAO 2,980,932
WANG, MINGREN 3,121,658
WANG, QINGQUAN 3,132,022
WANG, RUI 3,062,362
WANG, TIANHAO 2,979,052
WANG, TING 3,072,679
WANG, TINGTING 3,049,291
WANG, TSILI 3,036,373
WANG, WEI 3,066,961
WANG, XIA 3,104,383
WANG, XIAOYANG 3,154,893
WANG, XINGGUO 3,130,414
WANG, XUEHAI 3,003,122
WANG, YI 3,110,293
WANG, YUHANG 3,135,774
WANG, YUJIE 3,122,317
WANG, YULIN 3,102,019
WANG, ZHENG 3,003,122
WANG, ZHENKUN 3,159,058
WANG, ZHONGYUAN 3,135,509
WANVIK, LEIV GUNNAR 3,083,632
WARD, CHRISTINE 2,918,050
WARD, CHRISTOPHER 2,950,421
WARD, WILLIAM JACOB 2,995,469
WARPINSKI, NORMAN R. 3,123,762
WARREN, JOHN A. 3,110,361
WARREN, STEPHEN 3,071,958
WARRINGTON, CURTIS 3,020,101
WARTIG, KAREN-ALESSA 2,966,427
WASSON, JAMES 2,901,052
WATANABE, KAZUYA 2,998,833
WATERELECTRICENERGY, LLC 2,934,113
WATERHOUSE, PAUL 2,894,141
WATERSON, ALEX GREGORY 3,018,974
WATHNE, CHRISTIAN 3,002,890
WATT FUEL CELL CORP 3,048,570
WATT, ALAN FRASER 3,101,430
WATTS, PETER DOUGLAS 2,934,722
WAUER, GABRIEL 3,051,150
WAWRA, STEPHAN 2,950,239
WAYMO LLC 3,077,071
WAYMO LLC 3,083,927
WEATHERBEE, ERIC RALPH 2,971,709
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 3,102,931
WEATHERHAVEN GLOBAL RESOURCES LTD. 3,012,262
WEAVER, RANDALL FERRAIN 3,017,362
WEBB, NICK 2,926,459
WEBB, WILLIAM 3,088,407
WEBER, MARIA 3,023,760
WEBER-STEPHEN PRODUCTS LLC 3,122,521
WEERTS, KOEN JOHAN HERMAN 3,006,237
WEGMAN, THOMAS L. 2,998,582
WEHR, ROLAND 2,977,588
WEI, TAO 3,088,914
WEI, YANJUN 3,115,742
WEICHEL, MICHAEL 2,953,992
WEICHERT, JAMEY 3,031,076
WEIGAND, FRANCIS K. 3,131,885
WEINGARTNER, ADRIEN 3,081,905
WEIR MINERALS AFRICA (PROPRIETARY) LIMITED 3,090,938
WEISKOPF, KIPP ANDREW 2,939,293
WEISS, RICHARD A. 3,111,604
WEISSMAN, IRVING L. 2,939,293
WEITZ, DAVID A. 2,896,997
WEJSE, PETER LANGBORG 2,916,821
WELCH, BARRY 3,012,163
WELL RESOLUTIONS TECHNOLOGY 3,036,373
WELLS, NATHAN 2,964,657
WELLS, TIMOTHY L. 2,989,136
WEN, KUN 3,125,058
WENDEL, ANDREAS 3,077,071
WENDLER, ULRICH 3,110,627
WENTWORTH, JEREMY 3,089,317
WERNER CO. 2,998,072
WERNER, KLAUS 2,988,204
WERNER, NILS 3,118,121
WESSON, DAVID S. 2,939,553
WEST, GARY DEAN 3,124,960
WESTERHAUS, FELIX ALEXANDER 2,972,304
WESTERN PLASTICS, INC. 3,135,395
WESTON, DEAN D. 2,985,741
WESTON, JOHN LIONEL 2,942,925
WESTON, SIMON C. 3,007,214
WEYRAUCH, DETLEV 2,994,989
WHELAN, CHRIS 2,982,335

Index of Canadian Patents Issued
October 3, 2023

WHITE, ANDREW 2,831,972
WHITEWAVE SERVICES, INC. 2,941,481
WHITMAN, CHRISTOPHER A. 2,932,267
WHITMAN, DOUG 2,951,649
WHITTAKER, MARK 2,977,588
WICHA, WOLFGANG 2,989,372
WICKHAM, RENNISHA 2,996,615
WICKS, BENJAMIN 2,937,579
WIDRIG, MARKUS 3,127,425
WIERZBA, MICHAEL PAUL 3,079,842
WILDERMUTH, PAUL 2,989,818
WILFLEY, BRIAN, PATRICK 3,071,104
WILHELM, RONALD 2,989,253
WILLARD, BENJAMIN 3,112,442
WILLENBURG, KILBY 2,968,414
WILLIAMS, NICHOLAS 3,020,421
WILLIAMS, SARAH GRAHAM 2,932,267
WILLICK, TODD 2,983,944
WILLITT, BRETT 3,089,317
WILSON ELECTRONICS, LLC 3,051,248
WILSON, BRYAN R. 3,112,477
WILSON, CHRISTOPHER 2,961,786
WILSON, DAVID S. 2,945,902
WILSON, JAMES M. 2,947,614
WINKLER, BERNHARD 2,999,618
WINKLER, MARKUS 3,010,745
WINKLER, MATTHIAS 3,023,760
WINSLOW, NATHAN A. 2,990,229
WINTERHAWK WELL ABANDONMENT LTD. 3,023,629
WINTEROWD, JACK G. 3,096,340
WINTZ, TREVOR 3,094,158
WIRTH, THOMAS 3,131,796
WIRZ, BEAT 2,980,407
WISCONSIN ALUMNI RESEARCH FOUNDATION 3,031,076
WISTA LABORATORIES LTD. 3,141,737
WISTUBA, LOTHAR 3,128,914
WITHERBEE, MARTIN LEE 2,982,359
WITT, ERIK KURT 3,126,456
WITTEKIND, MICHAEL 2,872,911
WITTY, STEPHEN 2,938,870
WIX.COM LTD. 2,904,813
WOBBEN PROPERTIES GMBH 3,055,462
WOERMAN, MARK 3,118,407
WOHLGEMUTH, DUSTIN MACKENZIE 3,076,843
WOLF, HANSPETER 2,981,116
WOLF, JURGEN 2,966,427
WOLF, MARK ERNEST 3,017,362
WOLFF, PETER 3,000,287
WON, CHIKYUNG 3,018,601
WON, SUNG HWAN 3,118,784
WONDERLAND SWITZERLAND AG 3,040,510
WONG, ANTHONY 3,093,858
WONG, CHOOSIANG 3,118,431
WONG, CHRISTOPHER 3,088,407
WONG, DANIEL 3,097,644
WONG, KEITH 2,957,535
WONG, RAYMOND 2,988,512
WOOD, GRAHAM 2,964,657
WOODLAND MILLS INC. 3,153,144
WOODLEY, BRETT 2,964,657
WOODS, ROGER H. 2,937,341
WOODWARD, BRADLEY D. 3,057,928
WOODWARD, STEVEN 2,998,072
WOODY, STEVEN THOMAS 2,939,940
WORLD CLASS TECHNOLOGY CORPORATION 3,055,789
WOTZEL, JACQUELINE 3,110,627
WRIGHT, KEVIN A. 2,933,045
WRUBLE, TIMOTHY 3,027,404
WU, CEDRIC 3,110,293
WU, DI 3,132,022
WU, GRACE 3,090,497
WU, LIANGXING 2,981,661
WU, YAPENG 2,984,692
WU, YIHAO 3,137,434
WUENSCH, GUENTER 2,925,160
WUHAN SHERNBAO PET PRODUCTS MANUFACTURING CO., LTD 3,122,831
WUXI HENGXIN BEISHI TECHNOLOGY CO., LTD 3,127,546
WYZSZA SZKOLA MEDYCZNA W BIALYMSTOKU 3,073,146
XEROX CORPORATION 3,091,659
XEROX CORPORATION 3,102,019
XIANG, JIA-NING 3,102,650
XIAO, GUOLIANG 3,027,984
XIN, MEI 3,027,404
XING, YANPING 3,115,742
XU, CHANGWU 3,109,996
XU, CHEN 3,062,966
XU, GUOFENG 3,002,221
XU, HAO 2,980,932
XU, KAI 2,971,610
XU, WEI 2,985,864
XU, YAOCHANG 3,103,335
XU, YONG 3,003,122
XUE, LIXIA 3,057,725
XWPHARMA LTD. 3,102,650
YALE UNIVERSITY 2,977,664
YALE UNIVERSITY 2,993,006
YAMAMOTO, YUJI 3,001,969
YAMAMOTO, YUKI 2,947,549
YAMAOKA, TOSHINARI 3,115,256
YANAI, KOJI 2,878,644
YANG, GUOZHONG 3,121,658
YANG, HAITAO 3,013,655
YANG, HUA 2,989,111
YANG, JIANQIAO 2,932,084
YANG, TINGHUA 3,109,996
YANG, XI 3,045,623
YANG, XIAOFAN 2,952,435
YANG, XUDONG 3,062,362
YANG, YI 2,903,596
YANG, YU 3,105,524
YANG, YU 3,126,300
YAO, WENQING 2,981,661
YAO, YUAN 3,132,022
YAO, YUCHEN 3,012,163
YARNOLD, CHRISTOPHER JOHN 3,002,418
YASUTAKA, HIROKAZU 3,098,659
YATES, RYAN L. 3,124,960
YAZAWA, NORIHITO 2,607,281
YAZDANPANAH, MAHDI 2,992,691
YAZHEMSKY, DENNIS 3,101,582
YEE, ALEX 2,961,757
YEN, CHUN-CHANG 3,106,646
YI, SEUNG-BEOM 2,982,604
YIK, JASPER 3,000,633
YILMAZ, UGURHAN 3,079,629
YIM, SEUNG PEEL 3,116,388
YIN, GUOLI 2,984,692
YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD 3,024,308
YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD. 2,951,984
YLITALO, CHRIS 3,057,928
YLOSTALO, PASI 2,965,082
YON, JEAN-JACQUES 2,920,648
YONGZHU, LU 3,018,181
YOON, CHEOLHWAN 3,126,689
YOON, SEOK SUN 3,116,388
YOSHINO, MASATO 3,111,133
YOU, SIZHU 3,106,654
YOUNG, AMANDA 3,062,959
YOUNG, DANIEL L. 3,081,708
YOUNG, STEPHEN M. 3,025,249
YRJANHEIKKI, JUHA 3,131,796
YU, BINGLAN 2,963,874
YU, BO 2,998,582
YU, HAIYANG 3,037,976
YU, HONGPING 3,103,335
YU, JICHENG 2,983,289
YU, LINGFENG 2,949,503
YU, WEILI 3,100,144
YU, YINFENG 2,984,692
YUAN, FANG 3,113,128
YUAN, SHAOTANG 3,002,221
YUAN, YUDIE 3,110,293
YUE, YANG 3,003,122
YUNJING INTELLIGENCE TECHNOLOGY (DONGGUAN) CO., LTD. 3,137,434
ZAIFMAN, JOSHUA 3,008,909
ZAKRISKI, PAUL M. 3,101,619
ZAKRZEWSKI, RADOSLAW 2,948,754
ZAPAROVANNY, ALEXEY 3,018,601
ZAPOL, WARREN 2,963,874
ZARAGOZA CONTRERAS, ERASTO ARMANDO 2,911,752
ZAY, BRIAN J. 2,998,757
ZENG, QINGHAI 3,049,291
ZENG, SHULIN 2,610,294
ZEPHYROS, INC. 3,125,783
ZERHUSEN, JADEN S. 3,083,408
ZHANG, DI 3,047,498

ZHANG, DONGLEI 3,098,927
ZHANG, FEIFEI 3,070,157
ZHANG, FENG 2,913,404
ZHANG, FENGLEI 2,981,661
ZHANG, GONGZHENG 3,062,966
ZHANG, HANG 2,931,941
ZHANG, HANG 2,973,572
ZHANG, HONGJIE 3,130,414
ZHANG, HONGZHUO 3,062,362
ZHANG, HUAZI 3,062,966
ZHANG, JIADI 3,008,738
ZHANG, LIZHENG 3,145,578
ZHANG, RACHEL 3,070,266
ZHANG, SHIBAO 2,971,709
ZHANG, WEI 3,145,578
ZHANG, X. KATE 2,914,751
ZHANG, XIAO 3,132,022
ZHANG, YI 3,024,736
ZHANG, YIHUA 2,946,285
ZHANG, YONGGEN 3,119,367
ZHANG, YOUNGHUA 3,108,213
ZHANG, YUBIN 3,119,244
ZHANG, ZHIHAI 3,127,546
ZHAO, FENG 3,008,738
ZHAO, QIAN 3,110,502
ZHAO, ZHIJIE 3,068,332
ZHAO, ZHIJIE 3,068,762
ZHENG, MINGMING 3,119,367
ZHENG, YUNFENG 3,094,851
ZHOU, GUANG 3,127,546
ZHOU, RAPHAEL 2,997,495
ZHOU, YU 3,056,013
ZHOU, YUBO 3,122,317
ZHUANG, WEIHUA 3,028,814
ZHUHAI UNITED LABORATORIES CO., LTD. 3,123,473
ZHUKOVSKY, EUGENE 2,953,992
ZIANI, ABDELOUAHAB 2,939,189
ZIEGLER, MARK 2,961,757
ZIETARSKY, DARRELL 3,122,479
ZIGMAN KOHLMAIER, MIHAELA 3,054,470
ZILKER, DANIEL P. 3,104,497
ZIMMER, INC. 3,056,238
ZIMMERMAN, RANDY J. 2,990,729
ZIMMERMANN, RICHARD 3,142,375
ZIMMERMANN, TOBIAS 2,990,904
ZOLTAN, MIKLOS 3,051,248
ZOSIMADIS, PETER 2,894,141
ZOTIN, JOSE LUIZ 3,043,245
ZUCKER, MAXIMILIAN 3,055,004
ZWARTZ, EDWARD G. 3,091,659
ZWIEBEL, LAURENCE J. 3,018,974
ZYNON TECHNOLOGIES, LLC 3,096,710
ZYWIAK, THOMAS M. 2,928,048
ZYWIAK, THOMAS M. 2,988,959

Index of Canadian Applications Open to Public Inspection

September 17, 2023 to September 23, 2023

Index des demandes canadiennes mises à la disponibilité du public

17 septembre 2023 au 23 septembre 2023

13872548 CANADA INC. 3,191,360
3M INNOVATIVE PROPERTIES COMPANY 3,193,180
3M INNOVATIVE PROPERTIES COMPANY 3,193,338
3M INNOVATIVE PROPERTIES COMPANY 3,193,368
ABB SCHWEIZ AG 3,192,566
ABB SCHWEIZ AG 3,193,831
ABDELWAHAB, ESSAM ALAAELDIN ALI AHMED 3,193,235
ACADEMIE SAINT-BERNARD INC. 3,152,663
AFFIRM, INC. 3,191,350
AFFIRM, INC. 3,191,444
AGARWAL, SUDHIR 3,160,288
ALTENHOF, ALLISON JANE 3,152,964
ALVAREZ, PABLO LOPEZ 3,191,350
ALVAREZ, PABLO LOPEZ 3,191,444
AMICK, HAROLD C. 3,193,382
ANDREYO, JOSEPH 3,176,323
ANDREYO, JOSEPH 3,176,334
ANHEUSER-BUSCH INBEV S.A. 3,152,648
ARCADIA POWER, INC. 3,193,080
ARCADIA POWER, INC. 3,193,193
ARCADIA POWER, INC. 3,193,964
ARCHULETA, JAMES GERONIMO 3,193,442
AUDIA, JOSEPH MARK 3,193,170
AURAND, KEITH 3,192,413
AVILA, CARL ANTHONY ("TONY") 3,193,627
BANO, JORDAN 3,193,926
BARRERE, CLAUDE 3,191,902
BAWANE, VINAY 3,191,508
BEAN, CHRISTOPHER MICHAEL 3,191,508
BEAUJOT, NORBERT 3,152,768
BELANGER, GHISLAIN 3,193,978
BELL, RUSSELL E. 3,193,526
BERMAN, ISAAC LOUIS GOLD 3,193,911
BESTUL, KEVIN 3,193,867
BIGNOLD, MICHAEL JAMES 3,153,262
BINA, BARDIA 3,193,911
BINGHAM, JONATHAN R. 3,194,093
BJORUM, JUSTIN 3,193,239
BLADES, SAMUEL CARL WILLIAM 3,192,900
BLANDA, GAETANO 3,191,600
BOOKHEIMER, ALAN J. 3,189,042
BOONE, THOMAS H. 3,160,872
BOOTH, ERIC LEE 3,193,710
BOUDREAU, HERVE 3,152,663
BOYLE, ROBERT 3,153,235
BRAHME, ROHINI 3,193,339
BRAMLAGE, CLAUDIA 3,191,600
BRANSFORD, ELIZABETH 3,193,526
BRITA LP 3,193,526
BROWN, BRENDAN 3,193,193
BRUN, LOUIS 3,193,932
BRUNNER, GEORG 3,193,035
BUCCIARELLI, ADRIAN OSCAR 3,187,625
BUJA, FEDERICO 3,152,648
CAE HEALTHCARE CANADA INC. 3,193,926
CAE INC. 3,193,922
CALLAHAN, JOE 3,193,239
CAPITAL ONE SERVICES, LLC 3,180,785
CARCAMO, CLAUDIA CECILIA 3,193,660
CARCAMO, JORGE ELIAS "JOREL" 3,193,660
CAREFUSION 303, INC. 3,193,803
CBN NANO TECHNOLOGIES INC. 3,153,081
CHANGE HEALTHCARE HOLDINGS, LLC 3,154,486
CHAOUACHI, MAHER 3,193,922
CHARBONNEAU, RENE 3,153,040
CHEN, LIN 3,191,385
CHEN, YUN 3,193,232
CHEN, ZICHONG 3,205,835
CHIBANE, CHERIF 3,193,312
CHOQUTTE, JOHN 3,152,811
CHOU, BOXING 3,205,835
CICCARELLI, ANDREW 3,193,627
CLOUTIER, MICHAEL 3,193,926
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES 3,193,086
CONE, CHRIS 3,192,413
CORETEX LIMITED 3,193,171
COST CERTIFIED INC. 3,153,262
CUEVAS, RAMSES 3,206,526
CUNNINGHAM, CHARLES H. 3,193,170
DANG, DUY Q, 3,193,391
DAOUST, DENIS 3,152,843
DAVIDSON, JOHN CHARLES 3,188,019
DAWSON, EMILY 3,193,442
DELISLE, JEAN-FRANCOIS 3,193,922
DEVANCIARD, NICOLAS 3,193,086
DIEHL AEROSPACE GMBH 3,189,053
DOUGLAS DYNAMICS, L.L.C. 3,193,503
DRADER, JESSICA 3,182,117
DRYAIR MANUFACTURING CORP. 3,153,235
DUBOIS, DAVID 3,154,486
DUHAMEL, AMY 3,182,117
DUNJIC, MILOS 3,153,181
DUNJIC, MILOS 3,154,967
DUPRAS, GABRIEL 3,193,932
EBADI, SIAMAK 3,192,549
EBADI, SIAMAK 3,192,662
EDEN, CHARLES W. 3,160,872
EDWARDS, JOHN S. 3,193,180
EDWARDS, JOHN S. 3,193,338
EDWARDS, JOHN S. 3,193,368
EDWARDS, JOSHUA 3,180,785
EMADI, AREZOO 3,193,522
EURECAT S.A 3,189,811
EVERTZ MICROSYSTEMS LTD. 3,193,436
EVONIK OPERATIONS GMBH 3,191,600
EVONIK OPERATIONS GMBH 3,192,734
EVONIK OPERATIONS GMBH 3,192,742
FANKHAUSER, ERIC 3,193,436
FAROOQ, MUDDASSAR 3,193,928
FEDERICO, RENATO S. 3,152,427
FILELLA, CARMINE 3,193,235
FISCHER, STEFAN 3,192,734
FISCHER, STEFAN 3,192,742
FIVES INTRALOGISTICS S.P.A. 3,193,235
FLEISCHMANN, JULIA 3,176,695
FOREMARK PERFORMANCE CHEMICALS 3,194,093
FOREST RIVER, INC. 3,193,867
FOREST, CLEMENT 3,193,926
FORT, ENRIC GILI 3,191,350
FORT, ENRIC GILI 3,191,444
FREITAS, ROBERT A., JR 3,153,081
FURBISH, KEVIN MICHAEL 3,160,288
GALLIOU, PAULINE 3,189,811
GARCIA, RUBEN 3,193,964
GATES, GATESY R.C.D. 3,193,503
GELLMAN, BRIAN J. 3,193,307
GELLMAN, MARC 3,193,307
GENERAL ELECTRIC RENOVABLES ESPANA, S.L. 3,191,508
GERRESHEIMER GLAS GMBH 3,206,526
GILL-GAVIRIA, JUAN CAMILO 3,176,298
GILL-GAVIRIA, JUAN CAMILO 3,176,323
GILL-GAVIRIA, JUAN CAMILO 3,176,334
GLOVER, AHMAD L.D. 3,193,312
GOCKE, UDO 3,191,600
GOULD, RACHAEL A. T. 3,193,338
GOULD, RACHAEL A.T. 3,193,180

Index des demandes canadiennes mises à la disponibilité du public
17 septembre 2023 au 23 septembre 2023

GOULD, RACHAEL A.T. 3,193,368
GRACE, MELISSA ANNE 3,193,710
GRANZOTTO, ANTHONY J. 3,193,604
GRENIER, ALEXANDRE 3,152,663
GROUPE ONYM 3,152,668
GROVER, MATTHEW 3,193,956
GURRERI, CHRISTOPHER NICHOLAS 3,193,760
GUT, TOBIAS 3,189,053
GUTOR, ALEXANDER 3,190,033
HADDAD, PETER 3,193,926
HAGAR, EVERETT 3,180,642
HARRIS, BRIAN R., JR. 3,193,391
HARVELL, CHRIS 3,193,395
HAYES, MARK J. 3,167,492
HEEG, SIMON 3,191,600
HEMATILLAKE, DYLAN SANDESH 3,152,964
HERNANDEZ B., JUAN D. 3,193,391
HILDEN, TRAVIS 3,192,316
HINOJOS, STEVEN R. 3,194,269
HREJSA, PETE 3,193,339
HSU, REIN-LIEN 3,193,781
HURST, HARRIS 3,180,642
HUTH, MICHAEL 3,192,734
HUTH, MICHAEL 3,192,742
IDEMIA IDENTITY & SECURITY USA LLC 3,193,781
INNOVATIVE AFTERMARKET GROUP 3,193,627
INTERAPTIX INC. 3,193,911
INTUIT INC. 3,160,288
ISKEN, PHILIPP 3,191,600
ITANEN, NIKLAS 3,169,203
JACKSON-LEWIS, RICKY 3,153,427
JANKE, CHRISTINA 3,192,734
JANKE, CHRISTINA 3,192,742
JANSEN, CLAUDIA 3,191,600
JAYATUNGA, HETTIGE RAY PERERA 3,169,203
JOHNSTON, NICHOLAS JOSEPH 3,193,436
JOLICOEUR, CHRISTIAN A. 3,193,180
JONES, CHRISTOPHER MARK 3,154,967
KABA ILCO CORP. 3,160,872
KAISER, BENJAMIN 3,193,442
KASCO MARINE INC. 3,192,316
KAUFFMAN, BEN 3,193,604
KENNAMETAL INC. 3,189,042
KILWINS CHOCOLATES FRANCHISE, INC. 3,193,170
KITCHEN, JENNIFER S. 3,193,760
KOHUT, STEFAN 3,152,811
KOTTERI, JITHESH 3,194,935
KOYI, AKINYEMI AKINBOWALE 3,193,171
KROEHL, OLIVER 3,191,600
KWIATKOWSKI, ERIC DAVID 3,192,549
KWIATKOWSKI, ERIC DAVID 3,192,662
LABONTE, PIERRE 3,194,017
LABRUYERE, FRANCK 3,189,811
LAJEWARDI, FARHAD 3,193,612
LALKA, VIPUL KISHORE 3,154,967
LAMARRE, VICK 3,152,663
LAMBERTSON, MICHAEL C., JR. 3,193,760
LAY, ALEC 3,192,413
LCPR INC. 3,194,017
LE BOUTHILLIER, DIANE 3,153,040
LEBLOND, ANDRE VALMONT 3,193,503
LEFEBVRE, GUY 3,193,515
LENNOX INDUSTRIES INC. 3,193,339
LESOVIK, GORDEY 3,190,033
LEUSCHNER, UDO 3,206,526
LI, WEN ZHENG 3,156,210
LIN, DAN 3,180,785
LIN, DEGAN 3,193,225
LIN, DEGAN 3,205,448
LIU, OLIVER 3,191,350
LIU, OLIVER 3,191,444
LONGPRE, FLORENCE 3,193,932
LOPUCH, DANIEL 3,193,080
LUO, LEI 3,191,385
MACARTHUR, JAMES 3,153,081
MACKENZIE, COLIN 3,193,193
MACPHERSON, IAN MICHAEL 3,154,486
MADDAHI, ALI 3,193,336
MADDAHI, YASER 3,193,336
MAGNET FORENSICS INC. 3,193,382
MALOTT, DALE G. 3,193,612
MANIVASAGAM, SIVABALAN 3,193,232
MARTINS, FABRICE 3,193,831
MASON, RYAN 3,193,604
MAYER, JOSEPH R. 3,193,781
MCCARTY, DONALD WAYNE 3,193,170
MCCORMICK, WILLIAM 3,205,539
MCCULLOUGH, ROBERT 3,180,642
MCDONALD, JONATHAN 3,193,526
MCKINNEY, CONNIE M. 3,193,760
MCP IP, LLC 3,167,492
MCPHERSON, MATHEW A. 3,167,492
MELTON, TARAH 3,193,382
MERISALO, JARNO-PETTERI 3,152,648
MESSER, RUSSELL J. 3,194,269
MICROPORT ORTHOPEDICS HOLDINGS INC. 3,193,391
MOODY, MATTHEW 3,193,382
MOONEY, KEITH 3,193,803
MOORE, BRADLEY GRAHAM 3,191,508
MORA, ALEJANDRA BARQUERO 3,193,391
MORA, IRVING ROMERO 3,193,391
MORRYDE INTERNATIONAL, INC. 3,193,604
MOSSOBA, MICHAEL 3,180,785
MOTOMECANICA ARGENTINA S.A. 3,187,625
MOUATADID, LALLA 3,160,288
MULLER-DIVEKY, STEFAN 3,189,053
MUMTAZ, ARSLAN 3,193,928
NADEAU, YVON 3,152,668
NATIONAL RESEARCH COUNCIL OF CANADA 3,152,732
NGUYEN, ANTHONY HUAN 3,152,964
NIEN MADE ENTERPRISE CO., LTD. 3,191,385
NIETO, CARLOS 3,192,566
NOOKOLOGY LLC 3,193,307
NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG 3,176,695
NORMANDIN, GUILLAUME 3,193,926
NORTHERN DIGITAL INC. 3,193,035
NOUSHAHR, HOSSEIN GHODRATI 3,191,350
NOVAK, WENZEL 3,206,526
NTS AMEGA WEST USA, INC. 3,180,642
O'BRIEN, KEVIN 3,193,803
O'NEILL, SEAN 3,180,642
ORPYX MEDICAL TECHNOLOGIES INC. 3,192,900
OSORIO, ANDRES FELIPE 3,192,549
OSORIO, ANDRES FELIPE 3,192,662
OUYED, MUSTAPHA 3,152,668
OWENS, AUSTIN WILLIAM 3,194,935
PABST, ANDREA 3,192,549
PABST, ANDREA 3,192,662
PALANISAMY, ANURAM 3,193,364
PALMER, EDWARD JOHN FRANCIS 3,194,935
PATHER, ETHAN 3,191,360
PAWAR, HEMANT BHIMRAO 3,191,508
PELLET, SELWYN LYLE 3,193,171
PERREAULT, NANCY 3,152,732
PERRETT, DANIEL JOHN OWEN 3,194,935
PERRIN, STEVEN MARK 3,193,171
PERRON, MARIO 3,194,017
PETRUIC, MATTHEW 3,152,768
PEUTERT, CHANCE 3,152,768
PHILLIPS, THOMAS MICHAEL 3,160,872
PLUMBATA INTELLIGENT BUSINESS SOLUTIONS INC. 3,205,539
PLURA COMPOSITES LTD 3,193,182
POIRIER, JACQUES 3,193,932
PRABHU, SAN 3,193,964
PRATT & WHITNEY CANADA CORP. 3,193,515
PRENDERGAST, JONATHAN JOSEPH 3,154,967
PRETE, RICCARDO 3,206,526
PRINGLE, GRAEME 3,193,182
PRSA, KRUNOSLAV 3,193,035
QONECTIN 3,193,660
RAGLIN, JOHN M. 3,194,269
RAMIREZ, JUSTIN R. 3,194,269
RAMZAN, RASHAD 3,193,928
RAPYUTA ROBOTICS CO., LTD. 3,156,210
RASTOGI, KUSHANK 3,153,181
RAY, KEVIN WILLIAM 3,193,710
RAYAN INVESTMENTS LTD. 3,156,214
RAYNOR MFG. CO. 3,192,413
REDA, AMIN 3,192,549
REDA, AMIN 3,192,662
RILEY, JASON 3,193,964
ROBISON, JASON 3,193,395
ROKU, INC. 3,193,956
ROSTRON, JOSEEPH R. 3,176,298
ROSTRON, JOSEPH R. 3,176,323

Index of Canadian Applications Open to Public Inspection
September 17, 2023 to September 23, 2023

ROY, RENE 3,194,017
ROY-MOISAN, FRANCOIS 3,193,932
RUSZCZYK, ADAM 3,192,566
RYLEY, JAMES F., III 3,153,081
S&A GROUP HOLDINGS LIMITED 3,194,935
SALIBA, JAD JOHN 3,193,382
SAMUEL, VICTOR 3,152,884
SANDVINE CORPORATION 3,193,364
SAVARD, PHILIPPE 3,193,515
SCHULTE, SIMONE 3,192,734
SCHULTE, SIMONE 3,192,742
SCOBEY TODD CHARLES 3,153,032
SCOVIL, JOHN R. 3,167,492
SEEDMASTER MANUFACTURING LTD. 3,152,768
SEMINISKY, LOGAN M. 3,189,042
SERVICE ENVIRO SCAD INC. 3,152,843
SHAH, RITESH R. 3,193,391
SHARP, BRIAN 3,193,395
SHEN, YI 3,153,090
SHENZHEN HEZHONGREN E-COMMERCE CO., LTD. 3,153,090
SHOPIFY INC. 3,169,203
SILBER, STEFAN 3,191,600
SMIRNOV, ALEXANDER 3,190,033
SOETAERT, DAVID 3,193,604
SOLLUM TECHNOLOGIES INC. 3,193,932
SOPER, GARY HUGH 3,152,594
SOSIC, IVONA 3,193,926
SOUTHERN STATES LLC 3,176,323
SOUTHERN STATES LLC 3,176,334
SOUTHERN STATES, LLC 3,176,298
SOWA, KACPER 3,192,566
SREEPATHY, ANU 3,160,288
STANWOOD, KENNETH 3,193,928
STEVANATO GROUP S.P.A. 3,206,526
STEWART & STEVENSON LLC 3,193,395
STRAUB, RANDALL 3,193,926
SULEMAN, OMAR 3,192,900
SUNCOR ENERGY INC. 3,152,964
SWAMINATHAN, SIDDHARTH 3,193,522
SWIMC LLC 3,193,760
SYNNOTT, REMY 3,193,515
SZABO, CRAIG 3,156,214
TACTILE ROBOTICS LTD. 3,193,336
TAN, YING 3,152,843
TANG, LIANGDAO 3,169,380
TAO, ANGELA ANGIE 3,152,843
TAO, RAN 3,152,843
TAWEH, GEORGE 3,199,841
TAX, DAVID SAMUEL 3,153,181
TAX, DAVID SAMUEL 3,154,967
TERRA QUANTUM AG 3,190,033
THE HILLMAN GROUP, INC. 3,193,612
THE PLANT COMPANY OF VIRGINIA, LLC 3,167,561
THE TORONTO-DOMINION BANK 3,153,181
THE TORONTO-DOMINION BANK 3,154,967
THOMPSON, KEENAN 3,152,648
TOMPKINS, GARY E. 3,193,604
TORABI, ELAHEHSADAT 3,192,549
TORABI, ELAHEHSADAT 3,192,662
TREASURE, MARLON ORLANDO 3,194,093
TREMBLAY, MARC 3,193,932
TRUNK, LOTHAR 3,189,053
TSCHERNJAEW, JURI 3,192,734
TSCHERNJAEW, JURI 3,192,742
TUCKER, JOHN 3,193,080
TUCKER, JOHN 3,193,964
TURKOWSKI, STEFAN WILLAIM 3,192,549
TURKOWSKI, STEFAN WILLIAM 3,192,662
UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF AGRICULTURE 3,193,442
UNIVERSITY OF WINDSOR 3,193,522
URTASUN, RAQUEL 3,193,232
UTVATE CORPORATION 3,192,549
UTVATE CORPORATION 3,192,662
VANVEEN, RYAN 3,193,272
VANWINGERDEN, JASON 3,167,561
VANZINO, MARIO ARIEL 3,187,625
VASILEIOU, ALEXANDROS 3,193,546
VELLA, SARAH J 3,193,546
VENNARD, GREG 3,152,768
VILAR, EDUARDO 3,191,350
VILAR, EDUARDO 3,191,444
VYATKIN, MIKHAIL 3,190,033
WAABI INNOVATION INC. 3,193,232
WALINGA INC. 3,193,272
WANG, JINGKANG 3,193,232
WEDEKIND, GARY A. 3,192,413
WEI, SHUI-DONG 3,191,385
WELL, ADAM 3,180,642
WELLWORX ENERGY SOLUTIONS LLC 3,194,269
WENDLAND, PETER GALLAGHER 3,193,170
WI-LAN RESEARCH INC. 3,193,928
WILLACOOCHEE INDUSTRIAL FABRICS, INC. 3,193,710
WILLAND (BEIJING) TECHNOLOGY CO., LTD. 3,193,225
WILLAND (BEIJING) TECHNOLOGY CO., LTD. 3,205,448
WILLAND (BEIJING) TECHNOLOGY CO., LTD. 3,205,835
WILLIAMSON, MIKE 3,193,382
WIRELESS ELECTRICAL GRID LAN, WIGL INC 3,193,312
XEROX CORPORATION 3,193,546
XU, SONGWEN 3,152,843
YANG, YONG 3,169,380
YANG, ZE 3,193,232
YAO, ZHUO 3,193,225
YAO, ZHUO 3,205,448
YAROVIKOV, MIKHAIL 3,190,033
YOUNG, RYAN EDWARD 3,154,486
YU, TIANNING 3,205,835
ZAIN, NOMAN 3,193,928
ZARAGOZA, MARK L SAINZ 3,191,444
ZARAGOZA, MARK L. SAINZ 3,191,350
ZHANG, CHUNXIANG 3,169,380
ZHANG, GUOGANG 3,169,380
ZHANG, LEI 3,194,093
ZHANG, SHAOGUANG 3,205,448
ZHAO, KUNLEI 3,169,380
ZHDANOVA, EKATERINA 3,190,033
ZHEJIANG NOWVOW MECHANICAL AND ELECTRICAL CORP., LTD. 3,169,380
ZHONG, DAVID 3,193,526
ZHOU, JUN 3,169,380
ZHU, YUJIE 3,193,546

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

1232176 B.C. LTD. 3,212,189
6K INC. 3,212,927
AALTO UNIVERSITY FOUNDATION SR 3,212,328
AB MAURI 3,212,758
ABAL, DANIEL M. 3,212,235
ABB SCHWEIZ AG 3,212,860
ABBASI, FARNAZ 3,212,283
ABBI, ANKUSH 3,212,477
ABBOTT DIABETES CARE INC. 3,213,005
ABCURO, INC. 3,212,311
ABIONYX PHARMA SA 3,212,825
ACHAL, ROSHAN 3,212,403
ACTIVU CORPORATION 3,212,407
ADAMA AGAN LTD. 3,212,740
ADAMS, CORY L. 3,212,337
ADAMS, JARRETT J. 3,212,408
ADAMSON, NICHOLAS 3,213,000
ADKINS, MICHAEL 3,212,246
ADOLFSSON, THOMAS 3,212,696
ADRENAS THERAPEUTICS, INC. 3,212,876
ADUGNA, TOBIAS 3,212,266
AETHER MASK, LLC 3,212,246
AGALAVE, SHRIRAM B. 3,212,272
AHER, ANKUR ANIL 3,212,354
AHMAD, KHALID 3,212,752
AHN, SANG YEOP 3,212,733
AHO HOLDINGS LLC 3,212,887
AHRENS, HARTMUT 3,212,998
AIR WATER GAS SOLUTIONS, INC. 3,212,384
AIRGRAFT INC. 3,212,621
AJDARY, RUBINA 3,212,328
AJINOMOTO CO., INC. 3,212,822
AKBARI, PARSA 3,212,293
AKMAEV, VIATCHESLAV R. 3,212,448
AL HATIB, FERAS 3,212,493
AL ISMAIL, MARWAH 3,212,222
AL-MASRAHY, MOHAMMED ALI 3,212,222
ALARCON HEREDIA, AIXA 3,212,960
ALASSAAD, KASSEM 3,212,482
ALASSAAD, KASSEM 3,212,500
ALASSAAD, KASSEM 3,212,502
ALASSAAD, KASSEM 3,212,504
ALBERT-LUDWIGS-UNIVERSITAT FREIBURG 3,212,777
ALDAG, INGO 3,212,187
ALDANA, VICTOR 3,212,657
ALEXANDRU, NOVAC 3,212,533
ALLEGRETTI, MARCELLO 3,212,816
ALLFLEX AUSTRALIA PTY LIMITED 3,212,542
ALLONAS, XAVIER 3,212,952
ALLOUCHE, FRANCIS 3,212,787
ALMAC DISCOVERY LIMITED 3,212,236
ALTAMAR, CARLOS SALAZAR 3,212,458
ALTBIR DRULLINSKY, DORA ROSA 3,212,618
ALTIN, JOHN 3,212,877
ALTINTAS, OZCAN 3,212,155
ALTMAN, GREGORY H. 3,212,406
ALVAREZ, ADOLFREDO 3,212,262
ALVAREZ, JEFFERY BYRON 3,212,211
AMENDOLA, PIERGIORGIO 3,212,816
AMERICAN AXLE & MANUFACTURING, INC. 3,212,367
AMGEN INC. 3,212,705
AMGEN, INC. 3,212,491
AMIGORENA, SEBASTIAN 3,212,964
AMIGORENA, SEBASTIAN 3,213,002
AMIGORENA, SEBASTIAN 3,213,004
AMIN, MUHAMMAD JUNAID 3,212,521
AMO GRONINGEN B.V. 3,212,960
AMYDIS, INC. 3,212,704
ANDANG, MICHAEL 3,212,322
ANDERSON, EDWARD 3,212,220
ANDREI M., MANOLACHE 3,212,533
ANDRES, PHILIPPE 3,212,316
ANKERSMIT, HENDRIK JAN 3,212,232
ANTHONY, INC. 3,212,446
ANYGEN CO., LTD. 3,212,623
AOUACHRIA, MOHAMMED FOUED 3,212,790
APHRIA RX GMBH 3,155,358
APICELLA, MICHAEL 3,212,271
APOSCIENCE AG 3,212,232
ARAMINI, ANDREA 3,212,816
ARASHIDA, NAOKO 3,212,822
ARCOVITO, ALESSANDRO 3,212,386
ARDAGH METAL PACKAGING EUROPE GMBH 3,212,429
ARES TRADING S.A. 3,211,744
ARMSTRONG WORLD INDUSTRIES, INC. 3,212,598
ARRIBAS DE SANDOVAL, YAGO 3,213,004
ARRIBAS DE SANDOVAL, YAGOS 3,212,964
ARRIBAS DE SANDOVAL, YAGOS 3,213,002
ASCENDIS PHARMA A/S 3,212,417
ASHIKHMIN, MICHAEL 3,212,308
ASHLEY, MICHAEL J. 3,212,217
ASHRAF, WARDA BINT 3,212,989
ASKEM, BEN ALAN 3,212,570
ASMUS, ELISABETH 3,212,998
ASSMANN, ANDREA 3,212,524
ASTELLAS PHARMA INC. 3,212,578
ASTOBIZA, LEIORE AJURIA 3,212,071
ATALAYA-CHAVEZ, JUAN CARLOS 3,212,462
ATS AUTOMATION TOOLING SYSTEMS INC. 3,212,747
ATTEIA, MAHDI S. 3,212,757
AUBEE, NORMAN 3,213,023
AUBURN UNIVERSITY 3,212,543
AUCKLAND UNISERVICES LIMITED 3,212,378
AUER, REBECCA ANN CRAUFURD 3,212,380
AUMANN, RICHARD J. 3,212,709
AUTONOPIA TECHNOLOGIES INC. 3,212,633
AUXILIUM BIOTECHNOLOGIES INC. 3,212,450
AVERY DENNISON CORPORATION 3,212,675
AVERY, KENDRA N. 3,212,665
AVERY, KENNETH L. 3,212,563
AVNIEL, YUVAL 3,212,594
AXONAL NETWORKS INC. 3,212,752
AZEVEDO, JOEL 3,212,526
B3AR THERAPEUTICS, INC. 3,212,587
BABICH, IGOR 3,212,286
BACCO, DAVIDE 3,212,999
BACKINOFF, SCOTT BRUCE 3,213,000
BADANO, FERNAND 3,212,790
BADANO, FERNAND 3,212,797
BADANO, FERNAND 3,212,798
BADANO, FERNAND 3,212,799
BADGER, STEVEN 3,213,025
BADWE, SUNIL BHALCHANDRA 3,212,927
BAE, SOON SUK 3,212,348
BAE, SOON SUK 3,212,350
BAEK, DUSAN 3,212,830
BAGAEV, ALEXANDER 3,212,968
BAHAT, ASSAF 3,212,873
BAI, YUANCHAO 3,212,636
BAILEY, LANCE 3,212,706
BAILEY, RANDY 3,212,706
BAJJI, ASHOK 3,212,699
BALAKUMAR, PRIYANKA 3,212,457
BALDIRAGHI, FRANCO 3,212,084
BALENDA II, JOSEPH S. 3,212,367
BAMAT, MICHAEL KEVIN 3,212,682
BANASINSKI, PIOTR 3,212,374
BANERJEE, SAIKAT 3,212,950
BANKS, NATHANIAL 3,212,521
BANNISTER, ROBIN M. 3,212,583
BARAS, ARIS 3,212,293
BARBARIC, MLADEN 3,212,621
BARELLA, SCOTT 3,212,721

BARENDS, RAMI 3,212,462
BARNARD, ALMERO 3,212,299
BARNES GROUP INC. 3,212,776
BARNIAK, VICKI 3,212,305
BARNIAK, VICKI 3,212,309
BARNIAK, VICKI 3,212,315
BARRERA, DANIEL 3,212,392
BARRETT, BRENDAN 3,212,540
BARROW, JAMES 3,212,699
BASAFA, EHSAN 3,212,211
BASF COATINGS GMBH 3,211,760
BASF SE 3,212,419
BASF SE 3,212,524
BASF SE 3,212,640
BASF SE 3,212,958
BASSALER, ALICE 3,212,545
BASUKI, JOHAN SEBASTIAN 3,212,595
BAUDRAND, OLIVIER 3,212,662
BAUER HOCKEY LTD. 3,212,505
BAUER, PAULA 3,212,061
BAUGH, DAVID BRIGGS 3,212,446
BAUSCH + LOMB IRELAND LIMITED 3,212,304
BAUSCH + LOMB IRELAND LIMITED 3,212,305
BAUSCH + LOMB IRELAND LIMITED 3,212,309
BAUSCH + LOMB IRELAND LIMITED 3,212,315
BAUSCH + LOMB IRELAND LIMITED 3,212,324
BAXTER, ADAM 3,212,773
BAYER AKTIENGESELLSCHAFT 3,212,314
BAYER AKTIENGESELLSCHAFT 3,212,644
BAYER AKTIENGESELLSCHAFT 3,212,645
BAYER AKTIENGESELLSCHAFT 3,212,998
BEARD, CLAYTON 3,212,876
BEASLEY, CHRISTIAN N. 3,212,251
BEASLEY, ROBERT 3,212,058
BEAUDEGNIES, RENAUD 3,212,365
BEAULIEU, GUILLAUME 3,212,505
BECK, BRIAN 3,212,706
BECQUET, JEREMY 3,212,866
BECTON, DICKINSON AND COMPANY 3,212,697
BEDFORD, CHRISTOPHER RUSSELL 3,212,954
BEERLI, ROGER R. 3,213,007
BEIDAS, BASSEL F. 3,212,428
BEIER, UWE 3,212,833
BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION 3,212,478
BELL, ANDY 3,212,946
BELLUOMO, ILARIA 3,212,252
BEN YOSEF, ERAN 3,212,810
BENATTI, MATHEUS ROMANOS 3,212,294
BENDE, PRANAV 3,212,492
BENEDETTI, LUCA 3,212,937
BENNETT, GRACE 3,212,304
BENNYHOFF, DALE 3,212,587
BENOWITZ, ANDREW B. 3,212,345
BERGEN, KLAES 3,212,746
BERGMAN, JOOST 3,212,071
BERNER, ERIC 3,212,139
BERNETT, MATTHEW J. 3,212,665
BERSAAS, AUDUN TRYGGE HAUGEN 3,212,592
BERSAAS, AUDUN TRYGGE HAUGEN 3,212,784
BERTINI, PAOLO 3,212,616
BERTOZZI, CAROLYN R. 3,212,756
BEYREIS, RANDY 3,212,220
BHARUCHA, KAMAL 3,212,876
BHATT, GAURANG 3,212,606
BHATTACHARYA, PRANOB P. 3,212,578
BHOJNAGARWALA, PRATIK 3,212,593
BHOWMIK, LAL MOHAN 3,212,422
BHOWMIK, LAL MOHAN 3,212,426
BIA?AS, BART?OMIEJ 3,212,734
BIGOLIN, BARBARA 3,212,488
BILBAO-SAINZ, CHRISTINA 3,212,634
BILLIONTOONE INC. 3,212,749
BINDING SOLUTIONS LTD 3,212,555
BINDMAN, NOAH A. 3,212,610
BINETTE, FRANCOIS 3,212,873
BIO-BEE SDE ELIYAHU LTD 3,212,356
BIOTHERYX, INC. 3,212,624
BIOTRONIK SE & CO. KG 3,212,528
BISSON, JEAN-FRANCOIS 3,212,529
BITAR, RYAN 3,212,641
BITDEFENDER IPR MANAGEMENT LTD 3,212,533
BIYANI, KALPESH N. 3,212,512
BIZLINK INDUSTRY GERMANY GMBH 3,212,860
BLAIS, NORMAND 3,212,653
BLASTONE TECHNOLOGY PTY LTD 3,212,456
BLAZER, LEVI LYNN 3,212,408
BLEIMAN, BENJAMIN E. 3,212,661
BLIS TECHNOLOGIES LIMITED 3,212,485
BLODGETT, DUSTIN 3,212,808
BLOMBERG, FREDRIK GARDSTEIG 3,212,214
BLOMET, JOEL 3,212,743
BLOMET, JOEL 3,212,936
BLONDEL, LUCIEN 3,212,790
BLONDEL, LUCIEN 3,212,797
BLONDEL, LUCIEN 3,212,798
BLONDEL, LUCIEN 3,212,799
BLOOM, MARK 3,212,576
BLOUIN, ALAIN 3,212,409
BLUMEL, ANDRE 3,212,379
BO, LI 3,212,839
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,212,641
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,212,989
BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY 3,212,333
BODNAR, ZACHARY 3,212,668
BOFFI, ALBERTO 3,212,386
BOIS, ANTOINE 3,210,052
BOITNOTT, NICHOLAS 3,212,461
BOKHART, ROSALVA CASTREJON 3,211,760
BOLLENBACH-WAHL, BIRGIT 3,212,998
BOLLI, MARTIN 3,212,388
BOLLMAN, BROOKE 3,212,664
BOLT BIOTHERAPEUTICS, INC. 3,212,926
BOLT, DAKOTA 3,212,808
BONADEO, NICOLAS HERNAN 3,212,274
BONAMORE, ALESSANDRA 3,212,386
BORCHERT, CHAD 3,212,665
BORREGAARD AS 3,212,814
BOS DESIGNS, LLC 3,212,574
BOSTON SCIENTIFIC SCIMED, INC. 3,212,494
BOSTONGENE CORPORATION 3,212,968
BOUCHARD, PAUL 3,212,409
BOUGNERES, PIERRE 3,212,876
BOULET, JEROME 3,212,579
BOUNCE ENTERPRISES LLC 3,212,990
BOUTE, BJORN 3,212,286
BOWICK, JOHN DAVID 3,212,300
BRACEGIRDLE, SONIA 3,212,994
BRAECKMANS, KEVIN 3,212,551
BRANDISH, PHILIP E. 3,212,604
BRANDOLINI, LAURA 3,212,816
BRANDT, GARY 3,212,926
BRATTEBO, STALE 3,212,240
BRATTEBO, STALE 3,212,443
BRAUN, RALF 3,212,998
BREW, JOHN 3,212,583
BRIAND, MANON 3,213,007
BRIGHAM YOUNG UNIVERSITY 3,212,495
BRITTON, BENJAMIN 3,212,213
BRITTON, HEIDI M. 3,212,213
BROCKETT, NICHOLAS 3,212,971
BROEKHUIS, ROBERT R. 3,212,640
BROM, VIRGINIE 3,212,341
BROMBERG, LESLIE 3,212,327
BROQUET, JEAN-CHARLES DANIEL NICOLAS 3,212,451
BROTSCHI, CHRISTINE 3,212,388
BROWN, BENJAMIN 3,212,506
BROWN, DEVON BRIAN CHANDLER 3,212,749
BROWN, SPENCER 3,212,546
BROWN, SPENCER BRISLIN 3,212,416
BRUDER, DAVID 3,212,550
BRUHN, STEFAN 3,212,631
BRUIN BIOMETRICS, LLC 3,212,487
BRULAND, MATTHIAS 3,212,956

BRUMMITT, CHARLES DAVID 3,212,719
BRUNAVS, MICHAEL 3,212,699
BRUNET, ARNAUD 3,212,452
BRYCZKOWSKI, KRZYSZTOF 3,212,407
BUCKLEY, MICHAEL 3,212,422
BUCKLEY, MICHAEL 3,212,426
BUENO, ANNA 3,212,749
BUHLMANN, PHILIPPE PIERRE JOSEPH 3,212,632
BUICKIANS, DAVID 3,212,668
BUNGIE, INC. 3,212,868
BUNGIE, INC. 3,212,951
BUNGIE, INC. 3,212,970
BUNGIE, INC. 3,212,972
BUNGIE, INC. 3,212,973
BUNGIE, INC. 3,212,975
BUNGIE, INC. 3,213,026
BUNKA, CHRISTOPHER ANDREW 3,196,913
BUNNEMANN, MARTIN 3,212,429
BUONPANE, REBECCA A. 3,211,727
BURBAGE, MARIANNE 3,212,964
BURBAGE, MARIANNE 3,213,002
BURBAGE, MARIANNE 3,213,004
BURG, SHIRA 3,212,810
BURGESS, BRENDAN JOHN 3,212,235
BURKAMP, FRANK 3,212,236
BURNS, MARTIN F. 3,212,487
BUSA, ANDREA GIORGIO 3,212,537
BUSCH, SAMANTHA 3,212,141
BUSIK, JULIA 3,212,333
BYEON, YEJI 3,212,256
BYUN, JOON SEOK 3,212,733
CAILLAUD, JONATHAN 3,212,579
CAILLE, SEBASTIEN 3,212,491
CALABRO, ANTHONY W. 3,212,649
CALI BIOSCIENCES US, LLC 3,212,259
CALLAHAN, BRADLEY WARREN 3,212,416
CAMBRIDGE ENTERPRISE LIMITED 3,212,744
CAMILUCCI, DREW A. 3,212,757
CAMPBELL, DONALD H. 3,211,760
CANELLAS ROMAN, SANTIAGO 3,212,725
CANOPY GROWTH CORPORATION 3,212,318
CANOVAS VIDAL, CARMEN 3,212,960
CAO, HENGCHU 3,212,514
CAPE, SAMUEL M. 3,212,661
CAPITAL ONE SERVICES, LLC 3,212,606
CARDARELLI, RODILIA 3,212,408
CARDINAL IG COMPANY 3,212,139
CAREFUSION 303, INC. 3,212,235
CARELLO, CHRISTIAN 3,213,023
CARIUK, PETER 3,212,630
CARLIN, ADAM 3,212,505
CARLSON, BRENT 3,212,306
CARLSON, WILLIAM D. 3,212,468
CARLSSON, ERIK 3,212,818
CARR, GREGORY 3,212,619
CARRE, ERIC 3,212,594
CARZANIGA, LAURA 3,212,769
CARZANIGA, LAURA 3,212,775
CARZANIGA, LAURA 3,212,863
CARZANIGA, LAURA 3,212,872
CAS LAMVAC (GUANGZHOU) BIOMEDICAL TECHNOLOGY CO., LTD. 3,212,465
CASALE SA 3,212,616
CASE, KEVIN L. 3,212,515
CASEY, JONATHAN 3,212,254
CATALDO-HERNANDEZ, MACARENA A. 3,212,148
CATALIOTTI, FRANCESCO SAVERIO 3,212,999
CATERPILLAR INC. 3,212,573
CATHELINE, SEBASTIEN 3,212,787
CAYEUX, ERIC 3,212,453
CELLI, MICHELANGELO CHERUBINI 3,212,824
CELLICON B.V. 3,212,286
CELLIS AG 3,212,386
CEMAZAR, JAKA 3,212,469
CEMERSKI, SASO 3,212,382
CENTRAL COAST AGRICULTURE, INC. 3,212,392
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS - 3,212,651
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE-CNRS 3,212,655
CESTA, MARIA CANDIDA 3,212,816
CHAAYA, RIAD 3,212,442
CHADWICK, NICHOLAS 3,212,433
CHAMAKURI, NANDAKISHOR R. 3,212,272
CHAMPAGNE, MATHIEU 3,212,282
CHAN, KYLE W.H. 3,212,624
CHANDRASHEKARAIAH, PRAVEEN 3,212,446
CHANRION, BENJAMIN 3,212,650
CHAPARRO, RODOLFO J. 3,212,382
CHAPARRO, RODOLFO J. 3,212,762
CHAPARRO, RODOLFO J. 3,212,765
CHARTIER-COURTAUD, CECILE 3,212,439
CHAUCHET, XAVIER 3,212,599
CHAUDHURI, AADEL 3,212,577
CHAUHAN, JAYDEEPSINH M. 3,213,000
CHEN, ANDREW XIAN 3,212,259
CHEN, BIN 3,212,636
CHEN, DONGJIAN 3,212,544
CHEN, HAN-MIN 3,212,620
CHEN, JACKLYN RUILIN 3,212,361
CHEN, LIJIA 3,212,259
CHEN, MEI 3,212,604
CHEN, RUIHONG 3,212,440
CHEN, XI 3,212,521
CHEN, XIAOPING 3,212,465
CHEN, YALI 3,212,530
CHEN, YIMING 3,212,363
CHEN, YONGKAI 3,212,455
CHEN, ZIJUN 3,212,462
CHENAL, MARION 3,212,526
CHENG, SHUMAN 3,193,304
CHENG, YI-FANG 3,212,620
CHENG, ZHIPENG 3,212,465
CHEUNG, TIMOTHY 3,212,425
CHEVILLOT SAS 3,212,542
CHEVRON ORONITE COMPANY LLC 3,212,837
CHEVRON U.S.A. INC. 3,212,837
CHEVRON U.S.A. INC. 3,212,871
CHIANG, KIRBY 3,212,976
CHIESI FARMACEUTICI S.P.A. 3,212,603
CHIESI FARMACEUTICI S.P.A. 3,212,769
CHIESI FARMACEUTICI S.P.A. 3,212,775
CHIESI FARMACEUTICI S.P.A. 3,212,863
CHIESI FARMACEUTICI S.P.A. 3,212,872
CHIKATOMO, AMI 3,212,728
CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE 3,212,538
CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE 3,212,711
CHINA MOBILE COMMUNICATION CO., LTD. RESEARCH INSTITUTE 3,212,674
CHINA MOBILE COMMUNICATIONS GROUP CO., LTD. 3,212,538
CHINA MOBILE COMMUNICATIONS GROUP CO., LTD. 3,212,674
CHINA MOBILE COMMUNICATIONS GROUP CO., LTD. 3,212,711
CHINA NUCLEAR POWER ENGINEERING CO., LTD. 3,212,782
CHINA NUCLEAR POWER ENGINEERING CO., LTD. 3,212,783
CHINA PETROLEUM & CHEMICAL CORPORATION 3,212,478
CHINA UNIVERSITY OF MINING AND TECHNOLOGY 3,193,304
CHING, YA-CHI 3,212,572
CHIO, JEN-YI 3,212,620
CHIOSONNE, JUAN 3,212,141
CHISHOLM, ROBERT C H 3,212,569
CHO, KYOUNG-OH 3,212,623
CHO, MIN JAE 3,212,730
CHOI, JONG RYOUL 3,212,256
CHOI, JONG RYOUL 3,212,733
CHOI, VERONICA 3,212,785
CHOURASIA, APARAJITA HOSKOTE 3,212,624
CHOW, CLARK 3,212,300
CHRISTENSEN, ASBJORN HOJ 3,212,233
CHRISTENSEN, LINE BACH 3,212,317
CHU, SEUNG Y. 3,212,665
CHUGAI SEIYAKU KABUSHIKI-KAISHA 3,212,195
CHUNG, ELIZABETH M.E. 3,212,868
CHURCH, COTY 3,212,568

CIENA CORPORATION 3,210,052
CIESLIK, MATEUSZ 3,212,586
CILIAN AG 3,212,187
CIPO 3,212,415
CIRIK, ALI CAGATAY 3,212,622
CIRIK, ALI CAGATAY 3,212,949
CIRINNA', FABIO 3,212,537
CJ CHEILJEDANG CORPORATION 3,212,348
CJ CHEILJEDANG CORPORATION 3,212,350
CKURSHUMOVA, WENZI 3,212,754
CLARIANT INTERNATIONAL LTD 3,212,335
CLARIANT INTERNATIONAL LTD. 3,212,559
CLARIANT INTERNATIONAL LTD. 3,212,561
CLARIANT INTERNATIONAL LTD. 3,212,562
CLARK, CAROLINE W. 3,212,627
CLARK, CAROLINE W. 3,212,628
CLARK, DAVID EDWARD 3,212,775
CLARKE, NIGEL 3,212,218
CLARKE-AMES, JEREMY JONATHAN 3,212,300
CLARKSON, ROBERT 3,212,501
CLASEN, ERIC SCOTT 3,212,697
CLINE SCIENTIFIC AB 3,212,322
COAST CUTLERY CO. 3,212,470
COCKROFT, MARTIN RICHARD 3,212,373
COHEN, MALI FORTUNA 3,212,676
COHN, DANIEL R. 3,212,327
COLORADO STATE UNIVERSITY RESEARCH FOUNDATION 3,211,760
COMER, TIFFANY 3,212,627
COMER, TIFFANY 3,212,628
COMMANDEUR, MALGORZATA 3,212,388
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES 3,203,028
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION 3,212,499
COMMUNAUTE WOOPEN INC. 3,212,261
COMMUNAUTE WOOPEN INC. 3,212,265
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 3,212,244
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 3,212,761
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 3,212,894
CONNOR, ERIC F. 3,212,512
CONOCOPHILLIPS COMPANY 3,205,295
CONRADI, OLIVER 3,212,249
CONTELLO, GIOVANNI S. 3,212,155
CORBELLINI, LUCA 3,212,621
CORBIN, ROBERT A. 3,212,732
CORE BIOGENESIS 3,212,320
CORRERO, MARIA RITA 3,213,007
CORTENE INC. 3,212,248
CORVINI, PHILIPPE F.-X. 3,213,007
COSTE, NATHALIE 3,212,244
COTTON, DARRYL 3,212,400
COULLARD, LYNN 3,212,324
COULTATE, JOHN KARL 3,212,805
COUNTAGEN AB 3,212,071
CRAMER, DAVID D. 3,205,295
CRANE & CO., INC. 3,212,661
CRIPSEY, TIMOTHY JOHN 3,212,971
CRISWELL, ADAM 3,212,392
CROSSFIRE MEDICAL INC. 3,212,220
CROWTHER, ASHLEY 3,212,805
CRYMIROTECH 3,212,434
CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD 3,212,544
CUAN, LUKIIH 3,212,606
CUBAS, RAFAEL 3,212,439
CUBI, KEYLA 3,212,304
CUCUZZA, ANGELO 3,212,664
CUE BIOPHARMA, INC. 3,212,382
CUE BIOPHARMA, INC. 3,212,762
CUE BIOPHARMA, INC. 3,212,765
CULLINAN, HARRY 3,212,543
CUREVAC SE 3,212,653
CURRAN, KEVIN 3,212,962
CYBIN IRL LIMITED 3,212,563
CYPRIS MATERIALS 3,211,760
CYPRIUM THERAPEUTICS, INC. 3,212,536
CZAPLEWSKI, GREGORY J. 3,212,150
D'ANNUNZIO, DENNIS BERNARDO 3,212,490
DA COSTA, ANTHONY 3,212,427
DA COSTA, ANTHONY 3,212,518
DABIRI, MOHAMMAD 3,212,633
DABNEY, WARREN 3,212,528
DABROS, MARTA 3,212,635
DAEWOONG PHARMACEUTICAL CO., LTD. 3,212,730
DAIICHI SANKYO COMPANY, LIMITED 3,212,343
DAIICHI SANKYO COMPANY, LIMITED 3,212,691
DAKKA, JIHAD M. 3,212,155
DALIAN CONSERVATION SCIENCE & TECHNOLOGY CO., LTD. 3,212,105
DANA-FARBER CANCER INSTITUTE, INC. 3,212,314
DANA-FARBER CANCER INSTITUTE, INC. 3,212,840
DANIELI AUTOMATION S.P.A. 3,212,591
DANKEL, KATINKA 3,212,226
DANN, KEVIN M. 3,212,568
DAROWICKI, KAZIMIERZ 3,212,586
DAS DORES, GUILLAUME 3,212,650
DASCALU, OVIDIU 3,212,407
DASSEUX, JEAN-LOUIS HENRI 3,212,825
DAUBE, SIMON 3,212,535
DAUD ALBASINI, OMAR ANDRES 3,212,618
DAUM, LUKE T. 3,212,672
DAVENPORT, ADAM JAMES 3,212,699
DAVEY, MARCUS GRAEME 3,212,546
DAVID, ERIC 3,212,876
DAVIDSON, JUSTIN 3,212,595
DAVIDSON, MICHAEL HARVEY 3,212,483
DAVIDSON, PHILIP A. 3,212,246
DAVIES, WILLIAM 3,212,570
DAVIS, JOSHUA 3,212,406
DAYET, PATRICK 3,212,244
DE CASTRO, CARLOS ANTONIO 3,212,361
DE FRIEL, JOHN 3,212,392
DE NATALE, PAOLO 3,212,999
DE SILVA, SURESH 3,212,277
DE SMEDT, STEFAAN 3,212,551
DE SOUZA, CHRISTIANO TANESE 3,212,380
DEAN, DANNAH 3,212,220
DEGASPERI, ANDREA 3,212,744
DEKA PRODUCTS LIMITED PARTNERSHIP 3,212,337
DEL VECCHIO, GIUSEPPE 3,212,763
DELZER, BRENT 3,212,460
DEMIRCAN, DENIZ 3,212,614
DEOKAR, AMIT 3,212,318
DESJARDINS, MATHIEU 3,212,505
DESJARLAIS, JOHN R. 3,212,665
DESMECHT, DANIEL 3,212,743
DESMECHT, DANIEL 3,212,936
DESROCHERS, CHARLES-ANTOINE 3,212,505
DEVARAJ, SURABHI 3,212,361
DEVILLIERS, DAVID 3,212,619
DEVRIES, WENDELL 3,212,792
DEXTRON TECHNOLOGY LTD 3,212,389
DIEGUEZ VAZQUEZ, ALEJANDRO 3,212,725
DIEKER, KURT A. 3,212,619
DIETL, HARALD 3,212,958
DIETZ, ROBERT M. 3,212,525
DILLARD, PIERRE 3,212,784
DIMITROV, DIMITER STANCHEV 3,212,830
DINAN, ESMAEL HEJAZI 3,212,622
DINAN, ESMAEL HEJAZI 3,212,949
DING, WENTING 3,212,465
DITMARSCH, MARC 3,212,483
DITTGEN, JAN 3,212,998
DOAN, TUAN MINH 3,212,416
DOBUSCH, LISA 3,212,463
DOCHERTY, JOHN 3,196,913
DOELMAN, TIMOTHY P. 3,213,000

DOLBY INTERNATIONAL AB 3,212,631
DOLBY LABORATORIES LICENSING CORPORATION 3,212,631
DOLENTE, COSIMO 3,212,341
DOMAIN, CEDRIC 3,212,742
DOMINGUEZ DE MARIA, PABLO 3,212,276
DOMINICK, DOUGLAS THOMAS 3,212,514
DOMPE' FARMACEUTICI SPA 3,212,816
DONAHOE, PATRICIA K. 3,212,779
DONG, JIANHUA 3,212,782
DONG, LI 3,212,482
DONG, LIN 3,212,500
DONG, LIN 3,212,502
DONG, LIN 3,212,504
DONNELLY, TIMOTHY 3,212,374
DORMAKABA CANADA INC. 3,212,283
DORN, GERALD W. 3,212,193
DORVAL, THIERRY 3,212,650
DOTSON, DARIN 3,212,738
DOTSON, DARIN 3,212,767
DOW GLOBAL TECHNOLOGIES LLC 3,212,061
DOW GLOBAL TECHNOLOGIES LLC 3,212,768
DOW SILICONES CORPORATION 3,212,061
DOWNEY, DAVID 3,212,416
DOWNIE, NICK 3,212,358
DRYBOAT SOUTH, LLC 3,212,613
DU, LIANG 3,212,530
DUDAL, YVES 3,213,007
DUDDING, ASHLEY T. 3,212,709
DUERR, JOE 3,212,220
DUEX, JOHN MICHAEL 3,212,305
DUEX, JOHN MICHAEL 3,212,309
DUEX, JOHN MICHAEL 3,212,315
DUKE UNIVERSITY 3,212,340
DUL, ANDRZEJ 3,212,586
DUMONCEAUX, JULIE 3,212,043
DUMONT, GEOFFROY 3,203,028
DUNKI-JACOBS, ADAM R. 3,212,625
DUNKLEY, JACK 3,212,399
DUPUIS, JEFF 3,212,657
DUROCHER, JACQUES 3,212,505
DUSING, JEREMY DOUGLAS 3,212,611
DUTTA, SANDEEP 3,212,705
EASTERLING, BRANDON J. 3,212,251
EBERSTEIN, CHRISTOPHER 3,212,550
ECHENEIDAE INC. 3,212,503
ECKSTROM, ELEANORE BROPHY 3,212,594
ECLOV, RACHEL 3,212,876
ECOLAB USA INC. 3,212,760
EDWARDS LIFESCIENCES CORPORATION 3,212,289
EDWARDS LIFESCIENCES CORPORATION 3,212,383
EDWARDS LIFESCIENCES CORPORATION 3,212,493
EDWARDS LIFESCIENCES CORPORATION 3,212,514
EDWARDS LIFESCIENCES INNOVATION (ISRAEL) LTD. 3,212,654
EDWARDS-GILLAS, ADDISON VERONICA 3,213,005
EENIGENBURG, TREVOR 3,212,781
EICHER, ANDREW JACOB 3,212,508
EICHER, ANDREW JACOB 3,213,031
EIDE, ERLEND 3,212,807
EIDE, SONDRE 3,212,807
EISNER, JOEL 3,212,786
EKBLAD, JARI 3,212,724
EKMAN, JOHAN 3,212,482
EKMAN, JOHAN PETER 3,212,500
EKMAN, JOHAN PETER 3,212,502
EKMAN, JOHAN PETER 3,212,504
EL AWAD AZRAK, SAMI MIGUEL 3,212,414
EL HADDAD, JOSETTE 3,212,409
EL MALLAWANY, IBRAHIM 3,212,848
ELANDS, JACK 3,212,651
ELANDS, JACK 3,212,655
ELC MANAGEMENT LLC 3,212,575
ELDER, DAVID MICHAEL 3,212,570
ELECTRASTEEL, INC. 3,212,262
ELENA, BURCEANU 3,212,533
ELI LILLY AND COMPANY 3,212,778
ELISHA, ELAD 3,212,810
ELKEM SILICONES FRANCE SAS 3,212,952
ELLIOT, ROBIN NEIL RONALD 3,212,805
ELLIOTT, PERRY 3,212,043
ELLIS, ROSS JOHANNES 3,212,814
ELYSIS LIMITED PARTNERSHIP 3,212,794
EMANUEL, GERNOT 3,212,617
EMERGENCE THERAPEUTICS AG 3,212,651
EMERGENCE THERAPEUTICS AG 3,212,655
ENCHELMAIER, NICO 3,212,463
ENCHELMAIER, VOLKER 3,212,463
ENERGENESIS BIOMEDICAL CO., LTD. 3,212,620
ENI S.P.A. 3,212,084
ENVICAN GMBH 3,212,541
ENVIT, ENVIRONMENTAL TECHNOLOGIES AND ENGINEERING LTD. 3,212,288
EPIROC ROCK DRILLS AKTIEBOLAG 3,212,696
ERCILI-CURA, DILEK 3,212,202
ERCILI-CURA, DILEK 3,212,226
ERDOS MILLER, INC 3,212,510
ERDOS, ABRAHAM 3,212,510
ERDOS, DAVID 3,212,510
ERICKSON, DUANE M. 3,212,609
ERICSON, ARI ELIZABETH 3,212,491
ERNST, TODD 3,212,470
ERYPHARM 3,212,770
ESCANDON, RAFAEL 3,212,876
ESPEJO PINA, ALVARO PATRICIO 3,212,618
ESPOSITO, ANAELLE 3,212,545
ESTRELLA, HECTOR TORO 3,212,679
ETCHEVERRY, JAVIER IGNACIO 3,212,274
ETTENHOFER, RYAN M. 3,212,709
EUGENIO HERRERA, CARLOS JAVIER 3,212,618
EVANS IV, JOHN H. 3,212,758
EVENBRATT, HANNE 3,212,322
EVIDENT CANADA, INC. 3,212,527
EVOLVED BY NATURE, INC. 3,212,406
EVONIK OPERATIONS GMBH 3,212,249
EXCEPGEN INC. 3,212,387
EXLINE, MARVIN KELLER 3,212,508
EXLINE, MARVIN KELLER 3,213,031
EXNER, MATTHIAS 3,212,266
EXO IMAGING, INC. 3,212,626
EXTHERA MEDICAL CORPORATION 3,212,346
EXUMA BIOTECH CORP. 3,212,366
EXXONMOBIL CHEMICAL PATENTS INC. 3,212,155
EYE VACC 3,212,743
EYE VACC 3,212,936
EYSTER, CURT ROBERT 3,212,976
F. HOFFMANN-LA ROCHE AG 3,212,341
F. SMIT HOLDING B.V. 3,212,741
FABER, MATTHEW S. 3,212,665
FACCHINETTI, FABRIZIO 3,212,603
FAIRLIFE, LLC 3,213,000
FANCOM B.V. 3,212,698
FANDINO, VICENTE 3,212,737
FANG, MENGLAN 3,212,858
FARAG, HANNA 3,212,432
FARAG, HANNA 3,212,576
FARRA, ROBERT 3,212,469
FATUR, STEVEN 3,212,262
FAYAD, JAD 3,212,211
FEFER, MICHAEL 3,212,754
FEI, XIUZHU 3,212,406
FELEGI, JOHN JR. 3,212,598
FENG, YINFANG 3,212,465
FEREYDOON, MARYAM 3,213,023
FERLIN, WALTER 3,212,599
FERN, JONATHAN M. 3,213,005
FERNANDEZ, JORGE 3,212,671
FERNANDEZ-GODINO, ROSARIO 3,212,469
FERRIS, DANIEL PATRICK 3,211,760
FERRUGHELLI, DAVID T. 3,212,155
FEX, TOMAS 3,212,188
FEX, TOMAS 3,212,780
FICKER, MARIO 3,212,297
FIDLER, BLAIR 3,205,366
FILIPPELLI, ANTONIN MAURICE PATRICK 3,212,542
FINLAY, WARREN HUGH 3,212,189
FIRE ROVER, LLC 3,212,611
FISCHER, GERALD W. 3,212,672
FISHER, LUKE 3,212,373
FIVE9, INC. 3,212,457
FLAKE, ALAN W. 3,212,546
FLEURY, ETIENNE 3,212,761
FLEURY, ETIENNE 3,212,894

FLOEH, JESSICA ROSE 3,213,005
FLORIN M., BRAD 3,212,533
FOLDVARI, MARIANNA 3,212,793
FOLLIARD, THOMAS 3,212,387
FORD, KYLE 3,212,627
FORD, KYLE 3,212,628
FORRISTER, WALTER 3,212,738
FORRISTER, WALTER 3,212,767
FORSCHUNGSZENTRUM JULICH GMBH 3,212,276
FOSBENNER, DAVID T. 3,212,345
FOSTER, GRAHAM 3,212,268
FRANCAIS, ANTOINE 3,212,595
FRANCES, JEAN-MARC 3,212,952
FRANCIS, MEENA 3,212,654
FRANCOIS, GOFFINET 3,212,839
FRANKS, HELEN 3,212,501
FRANZ, ZACHARY 3,212,139
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,212,617
FRECH, HANS-ULRICH 3,212,264
FREDRIKSEN, AGNETE 3,212,592
FREDRIKSEN, AGNETE BRUNSVIK 3,212,784
FREI, FABIAN 3,212,449
FRELKA, JOHN 3,212,275
FRESNEAU, THOMAS 3,212,258
FRIBERG, GREGORY 3,212,705
FRIPP, MICHAEL LINLEY 3,212,352
FRIPP, MICHAEL LINLEY 3,212,848
FRIPP, MICHAEL LINLEY 3,213,033
FROMM, GEORGE 3,212,277
FROST, GREGORY IAN 3,212,366
FU, WENG 3,212,497
FUENTES AMPUERO, GABRIEL ESTEBAN 3,212,618
FUJI OIL HOLDINGS INC. 3,212,766
FUJII, TOMOHIRO 3,212,822
FUJITA, NORIHIRO 3,212,342
FUKUI, TSUYOSHI 3,212,813
FUMAGALLI, MATTEO 3,212,616
FUTAMURA CHEMICAL UK LIMITED 3,212,373
FUTURE MEDICINE CO., LTD. 3,212,733
GACW INCORPORATED 3,212,397
GACW INCORPORATED 3,212,404
GADOT, RAPHAEL 3,212,823
GAF ENERGY LLC 3,212,461
GAGE, SHAWN M. 3,212,141
GAGNE, SEBASTIEN 3,212,282
GAGNON, DANIEL 3,212,409
GAGNON, JEAN-MATHIEU 3,212,282
GAGNON-LACHANCE, CHRISTIAN 3,212,527
GAIDOS, DUSTIN 3,212,546
GALE, HELEN 3,212,501
GALLO, EUGENIO 3,212,408
GALVANIZE THERAPEUTICS, INC. 3,212,976
GAMBA, DAVIDE 3,212,174
GAN, MING 3,212,534
GANDIONCO, ISIDRO 3,212,976
GAO, LINYAO 3,212,454
GAO, YI 3,212,682
GAO, YUAN 3,212,643
GARBIN, NICOLO 3,212,879
GARC?A GUZMAN, JOSE ALEXANDER 3,212,458
GARCIA MOLINA, GARY N. 3,212,673
GARDINER, WILLIAM H. 3,212,699
GARNIER, JEAN-MICHEL 3,212,589
GARNIER, THIERRY 3,212,466
GAROFALO, MATT 3,212,995
GARRISON, CHAD 3,212,575
GATFIELD, JOHN 3,212,388
GATZWEILER, ELMAR 3,212,998
GAUFRETEAU, DELPHINE 3,212,341
GBUR, RANDI K. 3,212,512
GEBLEUX, REMY 3,213,007
GELITA AG 3,212,264
GENABEEK, BAS VAN 3,212,571
GENECENTRIC THERAPEUTICS, INC. 3,212,786
GENENTECH, INC. 3,212,592
GENENTECH, INC. 3,212,996
GENERAL MILLS, INC. 3,212,828
GENNAO BIO, INC. 3,212,421
GERBER, JR. DAVID GERARD 3,212,515
GERSHOVICH, PAVEL MIKHAILOVICH 3,212,809
GETTS, DANIEL 3,212,398
GHOLAMKHASS, BOBAK 3,212,213
GHOLIZADEH, SHIMA 3,212,595
GHOSH, SHILADITYA 3,212,433
GHOTRA, BALJIT 3,212,594
GHSP, INC. 3,212,239
GIALLOMBARDO, ANDREA E. 3,212,305
GIALLOMBARDO, ANDREA E. 3,212,309
GIALLOMBARDO, ANDREA E. 3,212,315
GIARRATANA, MARIE-CATHERINE 3,212,770
GILDEA, JOHN 3,212,494
GILLON, BRONWYN 3,213,023
GIRARDOT, MICHAEL 3,212,797
GIRIDHARAN, GURUPRASAD 3,212,413
GLAESMAN, CHAD WILLIAM 3,213,033
GLASSOMER GMBH 3,212,590
GLASSOMER GMBH 3,212,597
GLASSOMER GMBH 3,212,753
GLASSOMER GMBH 3,212,777
GLAXOSMITHKLINE BIOLOGICALS SA 3,212,653
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED 3,212,345
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED 3,212,615
GLAZER, PETER 3,212,421
GLENCROSS, JAMES CUNNINGHAM 3,212,570
GLO PHARMA, INC. 3,212,793
GLOMB, STEFAN 3,212,550
GLUHAR, SIMON 3,212,288
GOBAILLE-SHAW, GAEL 3,212,433
GODEFROID, JULIE 3,212,866
GODFREY, ALEXANDER GLENN 3,212,492
GODFREY, CAROLINE 3,212,994
GOETZ, ROLAND 3,212,419
GOLFIT LTD 3,212,681
GOMEZ GONZALEZ, LUIS FERNANDO 3,212,852
GONG, ZHEN 3,212,319
GONZALES, CATHLEEN 3,212,469
GOODING, DANIEL 3,212,583
GOODWIN, KYLE WARREN 3,212,792
GOOGLE LLC 3,212,462
GORDON, JOSEPH 3,212,546
GORKOVENKO, ELENA 3,212,416
GORMLEY, NIALL 3,212,595
GORTI, SATYA KRISHNA 3,212,865
GOSLOVICH, KURT S. 3,212,573
GOSPOS, RADOSLAW 3,212,586
GOTO, KAZUMICHI 3,212,343
GOUDOT, CHRISTEL 3,212,964
GOUDOT, CHRISTEL 3,213,002
GOUDOT, CHRISTEL 3,213,004
GOUNOU, FRANCK 3,212,960
GOYAL, SHIVENDRA 3,213,023
GOYAL, VISHAKHA 3,212,492
GPI HOME SOLUTIONS 3,212,706
GRANDE, PHILIPP M. 3,212,276
GRANIER, BENOIT 3,212,535
GRANT, DAVID 3,212,652
GRANT, KEVIN L. 3,212,337
GRANUM, STINE 3,212,592
GRANUM, STINE 3,212,784
GRAPHIC PACKAGING INTERNATIONAL, LLC 3,212,489
GRAPPIN, EDWIN 3,212,261
GRAPPIN, EDWIN 3,212,265
GRAWUNDER, ULF 3,213,007
GRAY, MELISSA 3,212,756
GRECI, STEPHEN MICHAEL 3,212,352
GRECI, STEPHEN MICHAEL 3,212,652
GRECI, STEPHEN MICHAEL 3,212,848
GREEN, COLIN RICHARD 3,212,378
GREENE, MICHAEL 3,212,812
GREENE, MICHAEL 3,212,829
GREENMAN, SIMON 3,212,374
GREENWOOD, PHILLIP 3,212,501
GRETHER, NADINE 3,212,341
GREULICH, HEIDI 3,212,314
GREWAY, ANTHONY T. 3,212,339
GRIFFITH UNIVERSITY 3,212,271
GRIFFITH, DAVID C. 3,212,788
GRIGORIEFF, SHAMILA 3,212,545
GRISHCHENKO, ANDREI 3,212,175
GROSS, PAUL 3,212,503
GROSSBIER, DUSTIN 3,213,000
GROSSE, HANS WOLFGANG 3,212,653
GRZELAK, ROBERT 3,212,734
GUANGZHOU OCUSUN OPHTHALMIC BIOTECHNOLOGY CO., LTD. 3,212,464

GUBRIY, VLADIMIR 3,212,740
GUERRERO, MAURICIO 3,212,654
GUERTIN, MATTHEW 3,212,553
GUIGNARD, RAPHAEL 3,212,650
GUIMARAES, MATHEUS ANTUNES 3,212,281
GULLA, STEFANO V. 3,212,311
GUNN, HAROLD DAVID 3,212,380
GUNNOO, SMITA 3,212,994
GUO, JUNFENG 3,193,304
GUO, ROCKY 3,212,606
GUPTA, ABHINAV 3,212,496
GUTE, ANDREAS 3,212,528
HAAPALAINEN, MIKKO 3,212,199
HAEGELE, CHRISTIAN 3,212,737
HAHN, MARTIN 3,212,264
HAIDEGGER, ERNST 3,212,561
HAIDEGGER, ERNST 3,212,562
HALE, JOHN DAVID FRANCIS 3,212,485
HALL, LINDSAY MARIE 3,212,654
HALLBERG, ANDERS 3,212,188
HALLIBURTON ENERGY SERVICES, INC. 3,212,352
HALLIBURTON ENERGY SERVICES, INC. 3,212,652
HALLIBURTON ENERGY SERVICES, INC. 3,212,848
HALLIBURTON ENERGY SERVICES, INC. 3,213,033
HALONEN, PHILIP D. 3,212,781
HAMBLIN, CHRIS 3,212,582
HAMEL, ANTOINE 3,212,409
HAN, JU MI 3,212,730
HAN, KOOK IN 3,212,496
HAN, LINGHUA 3,212,828
HANAVAX INC. 3,212,267
HANDLEY, PAUL NEWTON 3,212,501
HANL, SIMON 3,212,806
HANNA, GEORGE 3,212,252
HANNIBAL, THOMAS 3,212,317
HANSEN ENERGY SOLUTIONS LLC 3,212,629
HANSEN, HENNING 3,212,629
HANSER, STEVEN 3,212,683
HANSON, DARYL 3,212,760
HAQUE, MUHAMMAD INTESARUL 3,212,989
HARDING, ERIC 3,212,503
HARHIRA, AISSA 3,212,409
HARIZAJ, ARANIT 3,212,551
HARMES V, CLYDE S. 3,212,554
HARONIAN, DAN 3,212,353
HARRIS, RICHARD W. 3,212,239
HARRISON, TIMOTHY 3,212,236
HARTMANN, MARCUS WOLF WILLIAM 3,212,187
HARTSON, WILLIAM 3,212,925
HASHIMOTO, SHUZO 3,212,766
HASSETT, DANIEL 3,212,430
HATADA, NORIKO 3,212,822
HATANO, YUKICHI 3,212,813
HATCHER, BRADY 3,212,220
HATHAWAY, RICHARD C. 3,212,720
HATTUNIEMI, JONI 3,212,199
HAUBNER, SASCHA P. 3,212,596
HAUKELIDSÆTER EIDESEN, BJORGULF 3,212,240
HAUKELIDSÆTER EIDESEN, BJORGULF 3,212,443
HAUNERT, ANDREA 3,212,640
HAUSMANNS, STEPHAN 3,212,264
HAWKER, WILLIAM 3,212,497
HAYASHIBARA CO., LTD. 3,212,728
HAYES, MARC F. JR. 3,179,078
HAYOUN NEEMAN, DANA 3,212,873
HAYTER, GARY A. 3,213,005
HAYWARD, CALEB J. 3,212,625
HE, KAI 3,212,782
HE, XINGYUE 3,212,596
HEBERT, STEPHANE 3,212,244
HEENEY, CHRISTOPHER R. 3,212,251
HEIN, DANIEL 3,212,285
HEJZLAR, PAVEL 3,212,732
HELM, MATTHEW DUNCAN 3,212,236
HEMANEXT INC. 3,212,827
HENARY, HABY 3,212,705
HENDRICKSON USA, L.L.C. 3,212,709
HENEGHAN, PAUL 3,213,009
HENKELMAN, JOHN R., III 3,212,366
HENLEY, BENJAMIN J. 3,212,669
HENNERSPERGER, CHRISTOPH 3,213,009
HERDRICH, DAVID 3,212,706
HERGERT, WESLEY 3,212,747
HERING, ALFRED 3,212,737
HERITAGE RESEARCH GROUP, LLC 3,212,508
HERITAGE RESEARCH GROUP, LLC 3,213,031
HERSTON, ROBERT 3,212,971
HESS, ALEXANDER 3,211,760
HEVRONI, LIRON 3,212,740
HEYNES, MARK 3,212,399
HIDROT, JEAN-DENIS 3,212,761
HIDROT, JEAN-DENIS 3,212,894
HILL, AUSTIN 3,212,237
HILL, JONATHON T. 3,212,495
HILL, SU-MARI 3,212,471
HILL, TIMOTHY PETER 3,212,471
HILLS, BRIAN 3,212,528
HILLSTREAM BIOPHARMA, INC. 3,212,520
HILTON, KIMBERLY 3,213,005
HINDMAN, DAVID THOMAS 3,212,824
HINTOLAY, AHMED 3,212,228
HIRAISHI, KENTARO 3,213,003
HIRAMA, RYUSUKE 3,212,822
HITACHI ZOSEN INOVA AG 3,212,737
HK INNO.N CORPORATION 3,212,253
HK INNO.N CORPORATION 3,212,256
HK INNO.N CORPORATION 3,212,733
HODGE, HARRISON MICHAEL 3,212,497
HOEBEN, FREEK JOHANNES MARIA 3,212,571
HOFFMAN, MICHAEL 3,212,679
HOFHUIS, HUGO FERDINAND 3,212,047
HOFSTATTER, MARTIN 3,212,640
HOLLAND, ASHLING 3,212,994
HOLLISTER INCORPORATED 3,212,150
HOLLOWAY, MATTHEW 3,212,582
HOLMQUIST, NIKLAS 3,212,322
HOLZER, FRANK 3,212,743
HOLZER, FRANK 3,212,936
HONEYFIELD, EVAN 3,212,556
HONG, SEOYEON 3,212,515
HORENZ, MICHAEL 3,212,550
HORISONT ENERGI AS 3,212,240
HORISONT ENERGI AS 3,212,443
HORIUCHI, AYAKO 3,212,935
HORTON, JAMES 3,212,528
HOTELING, ANDREW J. 3,212,304
HOU, JUSTIN ALEXANDER CHI-YOUNG 3,212,607
HOU, PETER 3,212,845
HOUK, BRETT E. 3,212,705
HOUY, ALEXANDRE 3,212,964
HOUY, ALEXANDRE 3,213,002
HOUY, ALEXANDRE 3,213,004
HOVELL, CANDICE M. 3,212,663
HOWMET AEROSPACE INC. 3,212,452
HSIA, ELIZABETH 3,212,729
HSIEH, JAMES 3,212,968
HTL-STREFA S.A. 3,212,734
HU, MENGSHI 3,212,534
HUANG, CHUN-FANG 3,212,620
HUANG, FANG 3,212,361
HUANG, HELEN 3,213,025
HUANG, JAMES HE 3,212,563
HUANG, XINGTAO 3,193,304
HUAWEI TECHNOLOGIES CO., LTD. 3,212,307
HUAWEI TECHNOLOGIES CO., LTD. 3,212,480
HUAWEI TECHNOLOGIES CO., LTD. 3,212,534
HUAWEI TECHNOLOGIES CO., LTD. 3,212,643
HUBER, JONATHAN 3,212,278
HUGHES NETWOK SYSTEMS, LLC 3,212,426
HUGHES NETWORK SYSTEMS, LLC 3,212,422
HUGHES NETWORK SYSTEMS, LLC 3,212,428
HUGHES NETWORK SYSTEMS, LLC 3,212,845
HUGUIER, PIERRE 3,212,472
HUGUIER, PIERRE 3,212,473
HUNT, DANIEL 3,212,715
HUNTER DOUGLAS INC. 3,212,568
HUNTINGTON, CATHERINE EUGENIE CHAILLAN 3,212,630
HURST, RONALD ALAN 3,212,585
HWANG, DO SEOK 3,212,253
HWANG, DO SEOK 3,212,256
HWANG, MIN HEE 3,212,602
HYCO1, INC. 3,212,619
IBRAHIM, AHMAD 3,212,952
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI 3,212,571
ICL TECH LIMITED 3,212,358

Index of PCT Applications Entering the National Phase

IDORSIA PHARMACEUTICALS LTD 3,212,388
IFOLLOW 3,212,821
IGO, ELIZABETH LOMAURO 3,212,828
ILLINOIS TOOL WORKS INC. 3,212,662
ILLUMINA CAMBRIDGE LIMITED 3,212,595
ILLUMINA SINGAPORE PTE LTD 3,212,595
ILLUMINA, INC. 3,212,595
ILOLA INC. 3,212,471
IMBIMBO, BRUNO PIETRO 3,212,603
IMEC USA NANOELECTRONICS DESIGN CENTER, INC. 3,212,663
IMERTECH SAS 3,212,545
IMIZCOZ, PEDRO 3,212,819
IMPERIAL COLLEGE INNOVATIONS LIMITED 3,212,252
IMPOSSIBLE FOODS INC. 3,212,363
INCISIVE GENETICS, INC. 3,212,237
INCYTE CORPORATION 3,211,727
INDIANA CROP IMPROVEMENT ASSOCIATION 3,212,294
INDIGO AG, INC. 3,212,719
INDUCTEV INC. 3,212,649
INENTEC INC. 3,212,327
INFINISET, INC. 3,212,553
INFLAMMX THERAPEUTICS, INC. 3,212,378
INGHAM, ALANA 3,212,304
INNAVASC MEDICAL, INC. 3,212,141
INOFEA AG 3,213,007
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,212,651
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,212,655
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,212,964
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,213,002
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,213,004
INSIGHT ANALYTICS SOLUTIONS HOLDINGS LIMITED 3,212,805
INSTITUT CURIE 3,212,964
INSTITUT CURIE 3,213,002
INSTITUT CURIE 3,213,004
INSTITUT JEAN PAOLI & IRENE CALMETTES 3,212,651
INSTITUT JEAN PAOLI & IRENE CALMETTES 3,212,655
INSURANCE SERVICES OFFICE, INC. 3,212,216
INTELLIGENT ENERGY LIMITED 3,212,683
INTERGALACTIC THERAPEUTICS, INC. 3,212,469
INTERNATIONAL UNIVERSITY OF HEALTH AND WELFARE 3,212,195
INVAIO SCIENCES INTERNATIONAL GMBH 3,212,959
IONCTURA SA 3,212,522
IONCTURA SA 3,212,731
IONOMR INNOVATIONS, INC. 3,212,213
IOTTI, NICOLO 3,212,775
IOTTI, NICOLO 3,212,872
IOVANCE BIOTHERAPEUTICS, INC. 3,212,439
IRVING, LORRAINE 3,212,630
ISHIGURO, TOSHIFUMI 3,212,813
ISLAM, SHOFIQUL 3,212,294
ITAHASHI, TAMON 3,211,244
ITO, MASAHIRO 3,212,839
ITOH, RYUSEI 3,212,691
IVANKIN, ANDREY 3,212,217
IVEXSOL, INC. 3,212,812
IVEXSOL, INC. 3,212,829
IWAKI, KANSO 3,212,728
IYER, VIDULA 3,212,608
IYER, VIGNESH MANI 3,212,487
JACOBS, TIA 3,212,645
JACQUEMART, VINCENT 3,212,821
JAGATAP, NITHYA 3,212,251
JAIN, ROHIT 3,212,485
JAKOBI, HARALD 3,212,998
JAMIE, HEATHER 3,212,839
JAMSA, TYTTI 3,212,549
JANG, BONG JIN 3,212,348
JANG, BONG JIN 3,212,350
JANG, HYU JEONG 3,212,733
JANG, SEOK SU 3,212,605
JANSSEN BIOTECH, INC. 3,212,669
JANSSEN BIOTECH, INC. 3,212,729
JANSSEN PHARMACEUTICA NV 3,212,339
JANSSEN PHARMACEUTICA NV 3,212,725
JANSSEN, HENRICUS MARIE 3,212,571
JARVENPAA, VILLE 3,212,647
JASNY, EDITH 3,212,653
JAVED, ABDULLAH 3,212,425
JCR PHARMACEUTICALS CO., LTD. 3,212,813
JEHL, DOMINIQUE 3,212,638
JEHL, DOMINIQUE 3,212,955
JELIKALITE LLC 3,212,308
JELLAGEN LTD 3,212,299
JEMEC, GREGOR B.E. 3,212,316
JEN, FREDA (EN-CHI) 3,212,271
JENNE, ERIC 3,212,640
JENNINGS, MICHAEL 3,212,271
JEON, HYOUNGSUK 3,212,622
JEOUNG, EUN MI 3,212,602
JI, SEUNG HEE 3,212,733
JIANG, CHUN 3,212,440
JIANG, FAN 3,193,304
JIANG, MENGYING 3,212,858
JIANG, ZHIHUA 3,212,543
JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD. 3,212,319
JIM, GARDNER 3,212,839
JIMINEZ, JORGE 3,212,413
JIN, LINA 3,212,530
JIN, YI 3,212,363
JOBGES, UDO 3,212,429
JOENSUU, ISMO 3,212,199
JOERGL, VOLKER 3,212,800
JOESTEN, BERND 3,212,860
JOHANNESSON, MARK 3,212,747
JOHN CRANE UK LIMITED 3,212,580
JOHN, OLIVER 3,212,617
JOHNSON, DANIELLE SUSAN 3,212,570
JOHNSON, GRANT A. 3,212,781
JOHNSON, MYKELL 3,212,246
JOHNSON, NATHANIEL 3,212,450
JOHNSON, ZOE 3,212,522
JOHNSON, ZOE 3,212,731
JOINT STOCK COMPANY <<BIOCAD>> 3,212,809
JOKELAINEN, JARKKO 3,212,052
JOLLY, TOM 3,212,582
JONES, JR. BENJAMIN W. 3,212,337
JONES, ROBERT M. 3,212,699
JONNALAGADDA, SUBASH C. 3,212,520
JONSSON, DANIEL 3,212,292
JOO, HYUN KYO 3,212,477
JOYCE, RICHARD 3,212,555
JPMORGAN CHASE BANK, N.A. 3,212,425
JUNG, DA WOON 3,212,348
JUNG, DA WOON 3,212,350
JUNG, KYUNG BIN 3,212,602
JUNG, SEUNG HEE 3,212,256
JUNI, JACK 3,212,657
JUNQUEIRA MARTINS, ALEXANDRE LUIZ 3,212,852
JUST FUR LOVE, LLC 3,212,509
K-GEN THERAPEUTICS, INC. 3,212,440
KA, KYUNG-RYUN 3,212,803
KABUSHIKI KAISHA TOSHIBA 3,212,411
KACI INTERMODAL SYSTEMS, LLC. 3,212,720
KADE, MATTHEW J. 3,212,512
KADUSKAR, RAHUL 3,212,419
KAGOSHIMA UNIVERSITY 3,212,726
KAKIMOTO, SHINJI 3,212,813
KALYAN, SHIRIN 3,212,380
KAMALI, SEYED HOSSEIN 3,212,633
KAMATA, ICHIRO 3,213,003
KANG, DAHYE 3,212,840
KANG, JI YOON 3,212,733
KANG, YANG 3,212,935
KARAWAJCZYK, ANNA 3,212,769
KARAWAJCZYK, ANNA 3,212,775
KARAWAJCZYK, ANNA 3,212,863
KARAWAJCZYK, ANNA 3,212,872

Index des demandes PCT entrant en phase nationale

KAROLI, TOMISLAV 3,212,501
KASSAN, MICHAEL 3,212,800
KASTANEK, RAYMOND S. 3,212,489
KASTELEIN, JOHANNES JACOB PIETER 3,212,483
KATHOLIEKE UNIVERSITEIT LEUVEN 3,212,298
KATHOLIEKE UNIVERSITEIT LEUVEN, K.U. LEUVEN R&D 3,212,758
KATZ, TOM 3,212,356
KATZLER, DOMINIK 3,212,800
KAULFUSS, STEFAN 3,212,314
KAWABATA, JESSICA 3,212,594
KEHRER, AARON 3,212,450
KELIL, ABDELLALI 3,212,408
KELLIHER, TIMOTHY JOSEPH 3,212,460
KELLS, ANDREW 3,212,410
KELLY, JULIAN SHAW 3,212,462
KEMENY, ZOLTAN 3,212,397
KEMENY, ZOLTAN 3,212,404
KENNEDY, JOHN C. 3,212,995
KENNEDY, MICHAEL ALEX ANDER 3,212,380
KENNEDY, RICHARD B. 3,212,678
KENT, JEREME 3,212,344
KENTEN, JOHN 3,212,325
KENYON, ROSS 3,212,357
KERKAR, SIDHARTH 3,212,366
KESSEL, LAURA 3,212,337
KEYGENE N.V. 3,212,047
KHODAPARAST, LADAN 3,212,298
KHODAPARAST, LALEH 3,212,298
KHOKHAR, JASMEET KAUR 3,212,608
KIBLER, ANDREW B. 3,212,528
KIEFEL, MILTON 3,212,271
KIERSTEAD, PAUL H. 3,212,512
KIFF, JOSHUA 3,212,582
KILLI, IMRE 3,212,389
KIM, BONG GEUN 3,212,621
KIM, DONG SUNG 3,212,605
KIM, DONGKYU 3,212,256
KIM, HANNA 3,212,253
KIM, HANNA 3,212,256
KIM, ICK JOONG 3,212,602
KIM, JAEIL 3,212,623
KIM, JI WON 3,212,733
KIM, JUN 3,212,253
KIM, JUN 3,212,256
KIM, JUSTIN 3,212,840
KIM, KISAE 3,212,621
KIM, SANG CHEOL 3,212,348
KIM, SANG CHEOL 3,212,350
KIM, SE JIN 3,212,348
KIM, SE JIN 3,212,350
KIM, SEO HYUN 3,212,733
KIM, SUNG H. 3,212,251
KIM, SUNGMOON 3,212,621
KIM, TAE KYUNG 3,212,843
KIM, YONG HWAN 3,212,605
KIM, YONG KEUN 3,212,843
KIM, YOON KYUNG 3,212,665
KIM, YOUNG JU 3,212,253
KIM, YOUNG JU 3,212,256
KIMBER, ADRIAN 3,212,528
KIMMERLIN, THIERRY 3,212,388
KING, BRYAN WAYNE 3,212,345
KINGSLEY-ADAMS, TAMSYN 3,212,555
KINNEY, ETHAN 3,212,519
KINNEY, JOSEPH 3,212,519
KINUGASA, FUMITAKA 3,212,578
KIPP, BRIAN 3,212,486
KIRK, CHRISTOPHER 3,212,683
KISELKARBID I STOCKHOLM AB 3,212,482
KISELKARBID I STOCKHOLM AB 3,212,500
KISELKARBID I STOCKHOLM AB 3,212,502
KISELKARBID I STOCKHOLM AB 3,212,504
KITE PHARMA, INC. 3,212,950
KIYONO, HIROSHI 3,212,267
KJELGAARD-HANSEN, MADS JENS 3,212,417
KJOLLER, KIM 3,212,316
KLAERNER, GERRIT 3,212,512
KLAEYLE, JEROME 3,212,466
KLEIN, JAMES CULLEN 3,212,492
KLIMOV, PAUL VICTOR 3,212,462
KLOPF, BRIAN 3,212,594
KLOSE, HOLGER 3,212,276
KMC KARTOFFELMELCENTRA LEN AMBA 3,212,317
KNAUSEDER, BERNHARD 3,212,523
KNAUSEDER, BERNHARD 3,212,710
KNIGHT, JOSEPH 3,212,141
KNIGHT, KEITH CHRISTOPHER 3,212,769
KNIGHT, KEITH CHRISTOPHER 3,212,775
KNIGHT, KEITH CHRISTOPHER 3,212,872
KNORR-BREMSE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG 3,212,800
KOBAN, MARY E. 3,212,486
KOCHENDERFER, JAMES N. 3,212,978
KOCHENDOERFER, KIARA AENNE 3,212,640
KOENIG, STEVEN 3,212,413
KOESTER, STEVEN J. 3,212,632
KOHDA, SUSUMU 3,212,260
KOHN, ARNIM 3,212,998
KOLB, JULIAN THIEMO 3,212,379
KOLESNICK, RICHARD 3,212,333
KOLLMEIER, ALEXA 3,212,729
KOMANDURI, VARADA RAJAN 3,212,422
KOMANDURI, VARADA RAJAN 3,212,426
KOMUDA, MARCIN 3,212,734
KONDURU, VENU M. 3,212,675
KONKER INNOVATION LTDA. 3,212,852
KONSTANTINIDOU, GEORGIA 3,212,522
KOO, JAE MO 3,212,953
KOPCHINSKY, SCOTT 3,212,995
KOPITZ, CHARLOTTE CHRISTINE 3,212,314
KORADIN, CHRISTOPHER 3,212,419
KORBER SUPPLY CHAIN LOGISTICS GMBH 3,212,285
KOROTKOV, ALEXANDER NIKOLAEVICH 3,212,462
KOSAI, KEN-ICHIRO 3,212,726
KOSKINEN, JUSSI-PEKKA 3,212,689
KOTANI, AYAKA 3,212,813
KOTZ-HELMER, FREDERIK 3,212,590
KOTZ-HELMER, FREDERIK 3,212,597
KOTZ-HELMER, FREDERIK 3,212,753
KOTZ-HELMER, FREDERIK 3,212,777
KOVALCHUK, JOHN E. 3,212,675
KRAITER, LAUREN 3,212,528
KRAKOWSKY, JOAN M. 3,212,563
KRASNOPEROV, VALERY 3,211,742
KRICK, THIERRY 3,212,505
KROL, MAGDALENA 3,212,386
KRONE, DOUG 3,212,220
KSB SE & CO. KGAA 3,212,801
KT&G CORPORATION 3,212,602
KT&G CORPORATION 3,212,605
KTISTIS, CHRISTOS 3,212,802
KUBOYAMA, TOSHIFUMI 3,212,684
KUDIRKA, ROMAS 3,212,926
KUJALA, JOHANNA 3,212,160
KUJALA, JOHANNA 3,212,436
KULKARNI, PRASANNA V. 3,212,573
KULKARNI, ROHAN 3,212,477
KUMAR, KANAV 3,212,150
KUMAR, PANGANAMALA ASHWIN 3,213,005
KUMAR, SHRIRAM 3,212,446
KUNDU, ANIRBAN 3,212,366
KUNTZE, CHRISTOPHER J. 3,212,442
KUO, CHUNG-HAO 3,212,837
KUORI OY 3,212,052
KURVERS, RICHARD JOSEPH MATHIJS 3,212,698
KUULA, JANI 3,212,328
KWEON, JAE HONG 3,212,253
KWEON, JAE HONG 3,212,256
LAAKSONEN, LASSE JUHANI 3,212,985
LAFFERTY, KATHERINE M. 3,212,251
LAFORET, GENEVIEVE 3,212,876
LAHART, FIONN 3,213,009
LAHN, MICHAEL 3,212,731
LAI, ANNE 3,212,277
LAI, YEN-TING 3,212,664
LAI-GOLDMAN, MYLA 3,212,786
LAITINEN, MIKKO-VILLE 3,212,985
LAM, HO YU 3,212,858
LAM, NORRIS 3,212,978
LAMKANFI, MOHAMED 3,212,725
LANDUCCI, ELISA 3,212,603
LANGE, MARTIN 3,212,314
LANIER, CODY AUSTIN 3,213,032
LAPERRIERE, JEAN-FRANCOIS 3,212,505
LARHED, MATS 3,212,188
LARSEN, MARIUS HELMER 3,212,233

LASKAR, DHRUBOJYOTI D. 3,212,543
LATIGO BIOTHERAPEUTICS, INC. 3,212,699
LAU, TING TING ALICE 3,212,380
LAUREN, GUNNAR 3,212,444
LAURENS, CHRISTOPHE 3,212,579
LAVATELLI, ALBERTO 3,212,424
LAWRENCE, ELLIOT 3,212,595
LAWRENCE, LOGAN 3,212,216
LAWSON, PETER 3,212,141
LE FLOCH, PAUL CLAUDE HENRI 3,212,659
LE GUILLOUX, PIERRE 3,212,742
LE MAY, QUENTIN SERGE 3,212,542
LE, KIMBERLIE 3,212,275
LEADLEY, DAVID 3,211,714
LEAL, LYNDSAY M. 3,212,061
LEAVER, ANDREW 3,212,358
LEAVITT, BLAIR 3,212,237
LEE, CAROLINE HEE 3,212,730
LEE, CHRISTINE 3,212,493
LEE, GEON CHANG 3,212,602
LEE, HYUK WOO 3,212,733
LEE, JI-SU 3,212,803
LEE, JUHYUN 3,212,256
LEE, LIN-NAN 3,212,845
LEE, RICHARD J. 3,212,609
LEE, SUNG-HYUNG 3,212,665
LEE, YE-LIM 3,212,253
LEE, YE-LIM 3,212,256
LEE, YONG GYU 3,212,348
LEE, YONG GYU 3,212,350
LEE, YOON Y. 3,212,543
LEEBER, BLAISE 3,212,449
LEGENDRE, DANIEL 3,212,052
LEGIND VON BERGEN HOLDING APS 3,212,746
LEHRBURGER, EDWIN R. 3,212,543
LEHTISALO, JENNI 3,212,160
LEHTISALO, JENNI 3,212,436
LEI, GUAN-DAO 3,212,871
LEISKE, CHRISTOPHER I. 3,212,610
LEITNER, WALTER 3,212,276
LEMELIN, THOMAS 3,212,505
LENTKA, GRZEGORZ 3,212,586
LEONARD III, GEORGE STEPHEN 3,212,953
LEONARDO SPA 3,212,537
LEPINAY, MAXIME 3,212,434
LES LABORATOIRES SERVIER 3,212,650
LESPERANCE, JEFFERY BARON 3,212,415
LESSARD, MICHEL 3,212,283
LESTAN, DOMEN 3,212,288
LEVANTO, STEFANO 3,212,775
LEVASSEUR, JAMES 3,212,868
LEVENGOOD, MATTHEW R. 3,212,610
LEVILAIN, GUILLAUME 3,212,645
LEVINE, ALAN M. 3,212,609
LEVY, BRIAN 3,212,378
LEVY, SASHA 3,212,642
LEWIS, JEFFERY D. 3,212,216
LG ENERGY SOLUTION, LTD. 3,212,803
LHOSPPICE, FLORENCE 3,212,651
LHOSPPICE, FLORENCE 3,212,655
LI, CHUNLEI 3,212,544
LI, JING 3,212,543
LI, MENG 3,212,675
LI, NAN 3,212,544
LI, WEIYI 3,212,642
LI, XIN 3,212,363
LI, YU 3,212,478
LI, YUNBO 3,212,534
LI, YUNLONG 3,212,782
LIANG, MIN 3,212,544
LIAU, VICTOR 3,212,845
LIEBER INSTITUTE, INC. 3,212,699
LIGHTBODY, OWEN 3,213,023
LIGHTX INNOVATIONS INC. 3,212,282
LIM, HUN IL 3,212,605
LIMONCIELLO, LAUREN CAITLIN 3,212,785
LIN, JAMES 3,212,576
LIN, JIUN-TSAI 3,212,620
LINARD, NICOLAS 3,212,211
LINDAAS, ANDRE 3,212,214
LINDE GMBH 3,212,330
LINDE GMBH 3,212,335
LINDE GMBH 3,212,550
LINDE GMBH 3,212,557
LINDE GMBH 3,212,559
LINDE GMBH 3,212,561
LINDE GMBH 3,212,562
LINDE GMBH 3,212,640
LINDNER, MICHAEL 3,212,523
LINDSAY, SEAN T. 3,212,709
LINDSTROM, JUHA 3,212,724
LINEAGE CELL THERAPEUTICS, INC. 3,212,873
LITCH, ANDREW 3,212,662
LIU, CHEN 3,212,636
LIU, GUOMING 3,212,782
LIU, GUOMING 3,212,783
LIU, GUOQIANG 3,212,464
LIU, JIA 3,212,659
LIU, JUN 3,212,360
LIU, JUN 3,212,754
LIU, KAI 3,212,996
LIU, NIANLEI 3,212,105
LIU, NIANSHENG 3,193,304
LIU, SHUAI 3,212,643
LIU, WANPENG 3,212,425
LIU, WEI 3,212,464
LIU, XIANAN 3,212,642
LIU, YIDIAN 3,212,521
LIU, YIFEI 3,212,155
LIU, YIQUN 3,212,478
LIU, YUAN 3,212,636
LIVADARU, LUCIAN 3,212,403
LIVEPERSON, INC. 3,179,078
LOBODA, ANDREY 3,212,604
LOCKDOCS INC. 3,212,179
LOCKE, ADAM 3,212,293
LOEPER, CHARLES PAUL 3,212,837
LOMOVSKAYA, OLGA 3,212,788
LONGHORN VACCINES AND DIAGNOSTICS, LLC 3,212,672
LOPEZ LASTRA, SILVIA 3,213,002
LOPEZ, ISAAC 3,212,580
LOPEZ, MARC 3,212,651
LOPEZ, MARC 3,212,655
LORIN, CLARISSE 3,212,653
LOTFI, SOFIA 3,212,650
LOTTA, LUCA ANDREA 3,212,293
LOUTIT, JEFFERY S. 3,212,788
LOVE, ROBERT A. 3,212,793
LOW, CHEE MENG 3,212,762
LOW, CHEE MENG 3,212,765
LTS LOHMANN THERAPIE-SYSTEME AG 3,212,297
LU, BINGQIAN 3,212,422
LU, XINGYUN 3,212,319
LUAN, LINBO 3,212,455
LUCIUK, GEORGE HARRY 3,212,189
LUFTHANSA TECHNIK AG 3,212,266
LUK, TOM 3,210,052
LUKAS, SAYLAN J. 3,212,625
LUKSA, IWONA 3,212,586
LYFO B.V. 3,212,739
M10 SOLAR EQUIPMENT GMBH 3,212,638
M10 SOLAR EQUIPMENT GMBH 3,212,955
MA, JINLEI 3,193,304
MA, JUNWEI 3,212,865
MADE FOR MOVEMENT GROUP AS 3,212,214
MADRIZ, CAMILO PATRICK 3,212,570
MAGER, IMRE 3,212,387
MAGGIORE, ANDREA 3,212,570
MAGNA EXTERIORS INC. 3,212,442
MAGNA SEATING INC. 3,212,272
MAGNUSSON, RYAN S. 3,212,251
MAI, MICHELLE 3,212,363
MAKKENA, SRILAKSHMI 3,212,294
MALFATTI, MARCO 3,212,488
MALIVERNEY, CHRISTIAN 3,212,952
MALJUSCH, ARTJOM 3,212,249
MALLETT, COREY 3,212,653
MALM, LEIF 3,212,554
MALUTO, DEXTER 3,212,446
MANGO, DALILA 3,212,603
MANN, DAVID ANDREW 3,212,497
MANSILLA-SOTO, JORGE 3,212,596
MANTING, ERIK HANS 3,212,351
MAOR, ZIV 3,212,681
MARES, JEREMY 3,212,663
MARICAP OY 3,212,724
MARIN, VLADIMIR P. 3,212,228
MARINE POWER SYSTEMS LIMITED 3,212,268
MARIOT, VIRGINIE 3,212,043
MARK, ANALUZ 3,212,304
MARKHAM, JOSEPH P. 3,212,990
MARKOVIC, SLAVKO 3,212,860
MARQUEZ LLINAS, JORDI 3,212,412
MARRY, PETER JOHN 3,212,611
MARSZALEK, ILONA 3,212,386
MARTIN, ANDREW ROBERT 3,212,189
MARTIN, JOSHUA 3,212,546
MARTINEZ MANE, ANGEL 3,212,412

MARTINEZ-ROPES, ALEXANDRA 3,212,828
MASCAGNI FERDINANDO, ERICK 3,212,852
MASCHINENFABRIK REINHAUSEN GMBH 3,212,956
MASEK, JOSEF 3,212,569
MASKOVA, ELISKA 3,212,569
MASON, KYLE S. 3,212,554
MASTANDREA, MARCO MICHELE 3,212,699
MASTERNAK, KRZYSZTOF 3,212,599
MASTRANGELI, RENATO 3,211,744
MATHER, OMAR A. 3,212,705
MATHEW, MONICHAN PUTHUVELIL 3,212,410
MATHIEU, FLORENT 3,212,770
MATHONET, PASCALE 3,212,595
MATSUDA, ERIKO 3,212,726
MATSUDA, YUTAKA 3,212,822
MATSUI, TAKESHI 3,212,642
MAYES, PATRICK 3,211,727
MAYHEW, GREGORY M. 3,212,786
MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH 3,212,678
MC BREARTY, SHAUN 3,212,962
MCARTHUR, SUSAN JANE 3,212,179
MCCANN, STEPHEN 3,212,480
MCCLELLAND, STEFAN ANDREW 3,212,953
MCCRACKEN, MARK 3,212,358
MCCREA, KEITH R. 3,212,346
MCEWEN, MATTHEW JAMES 3,212,462
MCGROTTY, EOIN 3,212,337
MCHUGH, TARA H. 3,212,634
MCKERRACHER, AARON J. 3,212,758
MCLAUGHLIN, MARTIN JOHN 3,212,419
MCLOUD, DAMIAN 3,212,259
MCLUSKY, JAMES DONALD 3,212,570
MCNEELEY, ADAM M. 3,212,768
MCPHAUL, MICHAEL J. 3,212,218
MEANS, ROBERT T. 3,212,625
MEDIMMUNE LIMITED 3,212,630
MEDIVIR 3,212,292
MEIER, JOSHUA LUKE 3,212,954
MEISLER, IRVING D. 3,212,666
MEISWINKEL, ANDREAS 3,212,330
MEISWINKEL, ANDREAS 3,212,335
MEISWINKEL, ANDREAS 3,212,557
MEISWINKEL, ANDREAS 3,212,559
MEISWINKEL, ANDREAS 3,212,561
MEISWINKEL, ANDREAS 3,212,562
MELINIOTIS, ANDREAS 3,212,399
MELLERIO, GONZAGUE 3,212,192
MELLORS, JOHN W. 3,212,830
MELLORS, THEODORE R. 3,212,448
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES 3,212,333
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES 3,212,596
MEMORIAL SLOAN-KETTERING CANCER CENTER 3,212,333
MEMORIAL SLOAN-KETTERING CANCER CENTER 3,212,596
MENDUS B.V. 3,212,351
MENIGOZ, NICOLAS 3,212,821
MENNITO, ANTHONY S. 3,212,155
MENTOR WORLDWIDE LLC 3,212,679
MERCK SHARP & DOHME LLC 3,212,604
MERKEL, SUSANNE 3,212,644
MERLOTTI IPPOLITO, ANTONELA 3,212,964
MERLOTTI IPPOLITO, ANTONELA 3,213,002
MERLOTTI IPPOLITO, ANTONELA 3,213,004
MERTINS, BARBARA 3,212,387
MERUS N.V. 3,211,727
MESO SCALE TECHNOLOGIES, LLC. 3,212,325
MESTL, GERHARD 3,212,335
MESTL, GERHARD 3,212,559
MESTL, GERHARD 3,212,561
MESTL, GERHARD 3,212,562
METAL FORMING & COINING CORPORATION 3,212,971
METALOGENIA RESEARCH & TECHNOLOGIES S.L. 3,212,412
METSO OUTOTEC FINLAND OY 3,212,647
METSO OUTOTEC SWEDEN AB 3,212,548
METTLER-TOLEDO SAFELINE LIMITED 3,212,802
MEYERSON, MATTHEW 3,212,314
MEZGHANI, MOKHLES M. 3,212,222
MEZIADI, CHOUAIB 3,212,320
MICKELSON, LARRY 3,212,794
MICROWAVE SOLUTIONS GMBH 3,212,323
MIHEECHEVA, NATALIA 3,212,968
MIKKOLA, TOMI 3,212,328
MILBURN, MICHAEL 3,212,786
MILDNER, MICHAEL 3,212,232
MILLENNIUM PHARMACEUTICALS, INC. 3,212,596
MILLER, DANIEL S. 3,212,061
MILLER, DARACH 3,212,642
MILLER, JEFFREY A. 3,212,682
MILLER, KENNETH 3,212,510
MILLIKEN & COMPANY 3,212,738
MILLIKEN & COMPANY 3,212,767
MINOR, BARBARA HAVILAND 3,212,486
MISSION ZERO TECHNOLOGIES LTD 3,212,433
MITOCHONDRIA EMOTION, INC. 3,212,193
MIURA, TAKUYA 3,212,813
MIYAKE, GARRET 3,211,760
MIYAKE, MASAKI 3,212,728
MIZKAN HOLDINGS CO., LTD. 3,212,498
MNEMO THERAPEUTICS 3,212,964
MNEMO THERAPEUTICS 3,213,002
MNEMO THERAPEUTICS 3,213,004
MOBII SYSTEMS (PTY) LTD 3,212,540
MOBINI, REZA 3,212,322
MOCATTA, DAVID 3,212,740
MODERNATX, INC. 3,212,664
MOELLER, LARRY 3,212,662
MOLLAYOUSEF, AMIR SOHRABI 3,212,344
MOLNLYCKE HEALTH CARE AB 3,212,818
MONACO, STEVEN J. 3,212,609
MONCK, NATHANIEL JULIUS THOMAS 3,212,699
MONREAL, GRETEL 3,212,413
MONSALUD, LUIS 3,212,627
MONSALUD, LUIS 3,212,628
MONSANTO TECHNOLOGY LLC 3,212,507
MONTEMURRO, MICHAEL 3,212,480
MONTINE, THOMAS J. 3,212,755
MOOG INC. 3,212,321
MOON SURGICAL SAS 3,212,211
MOON, CHONGCHUN 3,212,621
MOON, ROBERT JOHN 3,212,414
MOORES, SHERI L. 3,212,669
MOQUIST, PHILIP 3,212,610
MORDEGLIA, ANTONELLO 3,212,591
MORGAN, ELIZABETH E. 3,212,788
MORGAN, MICHAEL E. 3,212,563
MOROZOV, DMITRY VALENTINOVICH 3,212,809
MORRIS, BRENT 3,212,058
MORRIS, DANNY 3,212,399
MORRIS, GARETH 3,212,805
MORTARINO, ENRICO 3,212,406
MORTZELL, GUSTAV 3,212,696
MORVEZEN, MAELLE 3,212,742
MOSES, KEVIN JAMES 3,212,493
MOSS, HEATHER 3,212,668
MOSTASHARI, ALI 3,212,308
MOSTELLO, ROBERT A. 3,212,384
MOTORYKIN, IEVGEN 3,212,218
MOYER, BRYAN 3,212,699
MUDGIL, SATYAVRAT 3,212,607
MUGISHO, ODUNAYO OMOLOLA BOLUWARIN 3,212,378
MUHE, JANINE 3,212,653
MUKHERJEE, SAYANDIP 3,212,608
MULDER, WILLEM M.J. 3,212,571
MULLEN, ANNMARIE 3,212,679
MULLER, MARKUS 3,212,297
MULLER, WOLFGANG 3,212,559
MULLER, WOLFGANG 3,212,561
MULLER, WOLFGANG 3,212,562
MULLINS, TOBY MATTEW GROVER 3,212,863
MULLINS, TOBY MATTHEW GROVER 3,212,769
MULLINS, TOBY MATTHEW GROVER 3,212,775

MULLINS, TOBY MATTHEW GROVER 3,212,872
MUMMING 3,212,192
MUNIM, SHAMA 3,212,536
MUOLLO, LAURA 3,212,406
MURCH, OLIVIA 3,212,828
MURPHEY, THOMAS W. 3,212,700
MURPHEY, THOMAS W. 3,212,715
MURPHY, JAMES 3,212,721
MURRAY, JAMES 3,212,491
MURRY, CHARLES E. 3,212,370
MUSTANG SAMPLING, LLC 3,212,925
MUTILVA, IOSU 3,212,819
MYELOID THERAPEUTICS, INC. 3,212,398
MYERS, MATTHEW 3,212,499
MYRSET, HEIDI 3,212,784
MYRVOLD, JON 3,212,392
NAD GRID CORP. 3,212,832
NAGASAKI, CHIKAKO 3,212,343
NAHUM, BERTIN 3,212,790
NAHUM, BERTIN 3,212,797
NAHUM, BERTIN 3,212,798
NAHUM, BERTIN 3,212,799
NAIR, SHONIA 3,212,410
NAPIER, ASHLEY 3,212,582
NARCY, GABRIEL 3,212,750
NASTRI, HORACIO G. 3,211,727
NATARAJAN, SRIRAM 3,212,679
NATIONAL RESEARCH COUNCIL OF CANADA 3,212,306
NATIONAL RESEARCH COUNCIL OF CANADA 3,212,409
NATURAL POLYMERS, LLC 3,212,506
NBE-THERAPEUTICS AG 3,213,007
NEALAND, JAMES 3,205,366
NEBOZHYN, MICHAEL 3,212,604
NEGI, AJAY SINGH 3,212,608
NEHMBHARD, NICOLE 3,212,287
NEKARDA, JAN 3,212,617
NELSON, SCOTT 3,212,220
NESSELHUT, JAN 3,212,362
NESSELHUT, THOMAS 3,212,362
NEWAMSTERDAM PHARMA B.V. 3,212,483
NEWTON, CAMILLE ROSE 3,212,667
NG, KENNETH 3,212,754
NGARMCHAMNANRITH, GATAREE 3,212,705
NGUYEN, HANNAH 3,212,491
NGUYEN, SON H. 3,212,512
NIA, NIMA V. 3,212,514
NICHOLLS, AIDAN 3,212,580
NICHOLS, CRAIG 3,212,141
NICHOLS, JASON 3,212,460
NICHOLSON, LEVI 3,212,700
NICOLINI, ALBERTO 3,212,274
NICOVENTURES TRADING LIMITED 3,211,714
NICOVENTURES TRADING LIMITED 3,212,175
NICOVENTURES TRADING LIMITED 3,212,627
NICOVENTURES TRADING LIMITED 3,212,628
NIECESTRO, ROBERT 3,212,536
NIEMIEC, MARCIN 3,212,734
NIEWOLA-STASZKOWSKA, KAROLINA 3,212,522
NIJHAWAN, SANDEEP 3,212,262
NIK-ZAINAL, SERENA 3,212,744
NISHIKURA, HIDENARI 3,212,992
NISHIO, AKIHIKO 3,212,459
NISTHAL, ALEX 3,212,665
NITZSCHKE, UWE 3,212,958
NIVARLET, NOAN 3,212,535
NIVOROZHKIN, ALEX 3,212,563
NIXON, JOSHUA 3,212,275
NOAH, MOHAMED 3,212,425
NOBEL, TAMMUZ 3,212,801
NOBLE, PAUL 3,212,407
NOBUOKA, TOSHIHIRO 3,211,244
NOGHABAEI, SEYEDMOJTABA 3,212,496
NOKIA TECHNOLOGIES OY 3,212,689
NOKIA TECHNOLOGIES OY 3,212,985
NOONAN, DAVID PAUL 3,212,211
NORCE INNOVATION AS 3,212,453
NORTH CAROLINA STATE UNIVERSITY 3,212,496
NORTHVOLT AB 3,212,287
NORTHVOLT REVOLT AB 3,212,287
NORTHWESTERN UNIVERSITY 3,212,567
NOVA CHEMICALS CORPORATION 3,213,023
NOVAK, MATTHEW T. 3,213,005
NOVELEN, RYAN M. 3,212,652
NOVIMMUNE S.A. 3,212,599
NUCHOLS, RICHARD P. 3,212,625
NUNEZ, IVAN M. 3,212,304
NUNEZ, IVAN M. 3,212,324
NYKODE THERAPEUTICS ASA 3,212,592
NYKODE THERAPEUTICS ASA 3,212,784
NYMAN, LARA 3,212,435
NYS, JOSQUIN ARNAUD 3,212,630
NZEREM, JERRY 3,212,635
N´H HOLDING AG LUNGERN 3,212,273
O'BRIEN, MITCH 3,212,657
O'CONNOR, KIMBERLEY 3,212,286
O'CONNOR, PAUL 3,212,286
O'CONNOR, SUZANNE J. 3,212,699
O'DOWD, COLIN 3,212,236
O'HARA, FIONN SUSANNAH 3,212,341
O'KEEFE, SEAN SEBASTIAN 3,210,052
O'MALLEY, ALEX 3,212,268
O'VERY, BRANDON 3,212,216
OBUCHI, WATARU 3,212,954
OCCHIPINTI, TOMMASO 3,212,999
OEHL, MICHAEL CHRISTIAN 3,212,959
OEHLRICH, DANIEL 3,212,725
OERLIKON METCO (US), INC. 3,212,946
OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON 3,212,379
OESSER, STEFFEN 3,212,264
OFINNO, LLC 3,212,622
OFINNO, LLC 3,212,949
OGAWA, YUKIHIRO 3,212,992
OGUZHAN, ATAY 3,212,749
OHLSSON, BENGT 3,212,188
OHLSSON, BENGT 3,212,780
OKUDA, DARIN T. 3,212,789
OLENIK, BRITTA 3,212,645
OLESKE, PETER J. 3,212,598
OLIVE, DANIEL 3,212,651
OLIVE, DANIEL 3,212,655
OLSON, GARY L. 3,212,326
OMISAN FARMACEUTICI S.R.L. 3,212,763
ONE ENERGY ENTERPRISES INC. 3,212,344
ONEPROJECTS DESIGN AND INNOVATION LTD. 3,213,009
ONG, ANDREW 3,212,887
OPIE, RAY 3,212,321
OPTERUS RESEARCH AND DEVELOPMENT, INC. 3,212,700
OPTERUS RESEARCH AND DEVELOPMENT, INC. 3,212,715
ORGANOCLICK AB 3,212,614
ORION CORPORATION 3,212,160
ORION CORPORATION 3,212,436
ORLIKOWSKI, JULIUSZ 3,212,586
ORLUCENT, INC. 3,212,391
ORTEGA, LAURA 3,212,220
ORTELLIGENCE, INC. 3,212,374
ORTIZ, MARK S. 3,212,625
OSAK, ROBERT 3,212,734
OSMERS, RUDIGER 3,212,362
OTTE, CLEMENS 3,212,285
OUAKED, NADIA 3,212,653
OVERBY, LENE 3,212,226
OVSYANNIKOVA, INNA G. 3,212,678
OWEN, MICHAEL PARKER 3,212,427
OWEN, MICHAEL PARKER 3,212,518
OWENS CORNING INTELLECTUAL CAPITAL, LLC 3,213,025
PADIOLEAU, CHRISTIAN 3,212,409
PADRON, BRAULIO FABIAN TERAN 3,212,458
PAIGE.AI, INC. 3,212,258
PALANISAMY, BHARATH 3,212,608
PALFREYMAN, MICHAEL 3,212,563
PALO ALTO NETWORKS, INC. 3,212,858
PALOMAR ROBLEDO, ALBERTO 3,212,283
PALUCH, WILLIAM C. 3,212,925
PAN, GUOYUAN 3,212,478
PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA 3,212,459
PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA 3,212,935
PANDEY, MANOJ 3,212,520

PANTAPHARM AG 3,212,362
PARDO, JUAN 3,212,879
PARK, JONGHYUN 3,212,622
PARK, JONGHYUN 3,212,949
PARK, JOON SEOK 3,212,730
PARK, JUNGHOON 3,212,621
PARK, MIN YOUNG 3,212,730
PARTAIN, EMMETT M. 3,212,061
PARTHASARATHY, VYSHNNAVI 3,213,005
PARVARESH, STEPHEN 3,212,785
PASCHEN, JAN 3,212,617
PASINI, THOMAS 3,212,084
PATHAK, SANDIP BHANUDAS 3,212,608
PATHARE, PRADIP 3,212,563
PAULING, AE-SUK 3,212,220
PEARSON, RYAN 3,211,760
PECKHAM, TIMOTHY J. 3,212,213
PELLETIER, FRANCOIS 3,210,052
PELTO, CHRISTOPHER MICHAEL 3,212,352
PENARRIETA, ELISE 3,212,599
PENDSE, HEMANT PURUSHOTTAM 3,212,989
PENG, GREGORY 3,212,868
PENG, GREGORY 3,212,951
PENG, GREGORY 3,212,970
PENG, GREGORY 3,212,972
PENG, GREGORY 3,212,975
PENG, GREGORY 3,213,026
PENG, SHENG 3,212,481
PENG, SHENG 3,212,486
PENNINGTON, III, WALTER WESLEY 3,212,518
PENNINGTON, WALTER WESLEY, III 3,212,427
PEPGEN INC. 3,212,994
PEPIN, DAVID 3,212,779
PER?AK, RAFA? 3,212,734
PEREIRA, GERARD 3,212,248
PEREVOSHCHIKOVA, KRISTINA 3,212,968
PEREZ SORIA, FRANCISCO 3,212,412
PERI SE 3,212,310
PEROU, CHARLES 3,212,786
PERRILLAT-BOTTONET, THOMAS 3,203,028
PESA CORPORATION 3,212,721
PETERSON, SPENCER 3,212,246
PFEIFFER, FRANK 3,212,285
PHAM, AI QUOC 3,212,262
PHAM, HOANG T. 3,212,675
PHARMA CINQ, LLC 3,212,682
PHILIPPAR, ULRIKE 3,212,339
PHILLIPS, WILLIAM 3,212,641
PICKERING, CATHERINE 3,212,731
PICON MANJON, FRANCESC 3,212,412
PIERRE, GARBO 3,212,424
PIETILA, MARK A. 3,212,781
PIHLAJAKUJA, TAPANI 3,212,985
PIJNENBURG, KRIS JOHANNES HENDRIKUS 3,212,698
PIOTROWSKI, MICHELLE 3,212,304
PIRAS, MATILDE 3,212,341
PITA, ANDREINA PACHECO 3,212,699
PITKANEN, JUHA-PEKKA 3,212,202
PITKANEN, JUHA-PEKKA 3,212,226
PITKANEN, JUHA-PEKKA 3,212,549
PLASCON PLASTICS CORPORATION 3,212,300
PLATFORM SCIENCE, INC. 3,212,995
PLYTE, SIMON EDWARD 3,211,727
POETZ, KATIE L. 3,212,304
POETZ, KATIE L. 3,212,324
POLAND, GREGORY A. 3,212,678
POLITECNICO DI MILANO 3,212,424
POLO, ANDREA 3,212,591
POLSKI KONCERN NAFTOWY ORLEN S.A. 3,212,586
POSLUSNEY, MICHAEL 3,212,699
POSTOVALOVA, EKATERINA 3,212,968
POTES BLANDON, CRISTHIAN M. 3,212,493
POULIN, MICHEL 3,210,052
POVIVA CORP. 3,196,913
POWELL-PALM, MATTHEW J. 3,212,634
POWERS, GARY DAVID 3,212,792
PREINDL, MATTHIAS 3,212,427
PREINDL, MATTHIAS 3,212,518
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,212,659
PRETZ, MATTHEW T. 3,212,768
PREVILLE, XAVIER 3,212,651
PREVILLE, XAVIER 3,212,655
PREVOST, PASCAL 3,212,742
PRINCE, DAVID 3,212,794
PRO MAC MANUFACTURING LTD. 3,212,792
PROCAPS SA 3,212,458
PROGEN PG500 SERIES PTY LTD 3,212,501
PROJECT PLASTIC LLC 3,212,521
PROKOFYEV, ALEXANDER VLADIMIROVICH 3,212,809
PROMPTU SYSTEMS CORPORATION 3,205,366
PROST, JEROME 3,212,823
PROVID PHARMACEUTICALS INC. 3,212,326
PULUKKODY, RANDARA 3,212,061
PURDUE RESEARCH FOUNDATION 3,212,414
PURE BATTERY TECHNOLOGIES PTY LTD 3,212,497
PUREVISION TECHNOLOGY LLC 3,212,543
PUREWICK CORPORATION 3,212,667
Q-BOT LIMITED 3,212,582
QI, JING 3,212,665
QIN, LI 3,212,465
QIU, YIHONG 3,212,682
QPEX BIOPHARMA, INC. 3,212,788
QTI SRL 3,212,999
QU BIOLOGICS INC. 3,212,380
QU, TIANSHU 3,212,643
QUANTUM SILICON INC. 3,212,403
QUANTUM SURGICAL 3,212,790
QUANTUM SURGICAL 3,212,797
QUANTUM SURGICAL 3,212,798
QUANTUM SURGICAL 3,212,799
QUARANTA, GIUSEPPE 3,212,424
QUASDORF, KYLE 3,212,491
QUATTROCCHI, WALTER 3,212,763
QUERREY, TIMOTHY L. 3,212,925
QUEST DIAGNOSTICS INVESTMENTS LLC 3,212,218
QUIJANO, ELIAS 3,212,421
RADIO SYSTEMS CORPORATION 3,212,278
RADIUS CO., LTD. 3,212,260
RAMANUJACHARY, KANDALAM 3,212,520
RAMASWAMY, GAYATHRI 3,212,469
RAMIREZ, RICARDO 3,212,577
RAMO, ANSSI SAKARI 3,212,985
RANCATI, FABIO 3,212,769
RANCATI, FABIO 3,212,775
RANCATI, FABIO 3,212,863
RANCATI, FABIO 3,212,872
RAPP, BASTIAN 3,212,590
RAPP, BASTIAN 3,212,597
RAPP, BASTIAN 3,212,753
RAPP, BASTIAN 3,212,777
RASTEGARDOOST, NAZANIN 3,212,949
RATHMELL, RICHARD EDMUND 3,212,699
RATNI, HASANE 3,212,341
RAUSSI-LEHTO, EIJA 3,212,328
RECARBON, INC. 3,212,953
REED, COREY D. 3,212,216
REES, DAVID GARETH 3,212,630
REESBECK, THOMAS 3,212,657
REFORD, JACK SELKIRK MCARTHUR 3,212,179
REGENERON PHARMACEUTICALS, INC. 3,212,293
REGENERON PHARMACEUTICALS, INC. 3,212,357
REGENERON PHARMACEUTICALS, INC. 3,212,808
REGENTS OF THE UNIVERSITY OF MINNESOTA 3,212,632
REHAGEN, JOHN JOSEPH 3,212,953
REIF, JOHN 3,212,340
REINDEL, WILLIAM T. 3,212,305
REINDEL, WILLIAM T. 3,212,309
REINDEL, WILLIAM T. 3,212,315
RENEW HEALTH LIMITED 3,212,657
RENOSIS, INC. 3,212,512
RESISTANCE IN ROTATION CORPORATION 3,212,519
RESTIVO, COURTNEY 3,213,009
REUSCH, STEFAN 3,212,238
REUTLINGER, MICHAEL 3,212,341
REVERSE BIOENGINEERING, INC. 3,212,375
REVERSE BIOENGINEERING, INC. 3,212,381

REVOLTAR, ANDREW 3,213,005
REYNOLDS, CHRISTINA 3,212,503
RHEE, INA PARK 3,212,592
RIBEIRO, MIGUEL FARIA 3,212,960
RICHARDS, CARL ANTHONY 3,212,396
RICHARDS, JONATHAN PHILIP 3,212,699
RICHMOND, SCOTT 3,212,613
RICOULT, SEBASTIEN 3,212,595
RIGO, VILLAMARIN 3,212,839
RILEY, AIDAN 3,212,630
RIST, IAIN 3,212,802
RIZZI, ANDREA 3,212,769
RIZZI, ANDREA 3,212,775
RIZZI, ANDREA 3,212,863
RIZZI, ANDREA 3,212,872
RJ LEE GROUP, INC. 3,212,609
ROBERT JOSE, JEFFRY COPPS 3,212,354
ROBINSON, MATTHEW 3,212,630
ROBINSON, MICHAEL P. 3,212,709
ROBOVISION 3,211,737
ROBOVISION 3,211,739
ROCKWELL, JIM 3,212,058
RODARY, GAELLE 3,212,545
RODRIGUEZ, ADRIAN 3,212,446
ROES, MICHAEL 3,212,472
ROES, MICHAEL 3,212,473
ROGL, HARALD 3,212,249
ROHE HOMES LTD. 3,212,477
ROHM AND HAAS COMPANY 3,212,061
ROHRIG, SUSANNE 3,212,645
ROJAS, ORLANDO 3,212,328
ROL CORREDOR, JAVIER 3,212,412
ROLSTON, DAVID 3,212,752
ROMERIL, STUART PAUL 3,212,345
ROMERO, GUSTAVO ENRIQUE ANAYA 3,212,458
ROMERO, OSCAR 3,212,416
RONNING, SISSEL 3,212,226
ROSENBERG, JONATHAN 3,212,457
ROSENTHAL, JORG 3,212,245
ROSENTHAL, RONALD 3,212,791
ROSINGER, CHRISTOPHER HUGH 3,212,998
ROSS, JOHN F. 3,212,382
ROSSDORF, JAN 3,212,187
ROSSOUW, MATHYS JOHANNES 3,212,323
ROUNTREE, JAMES SAMUEL SHANE 3,212,236
ROUSSEAU, FREDERIC 3,212,298
ROUSSEAU, GUILLAUME 3,212,770
ROUXEL, RONAN 3,212,653
ROVI GUIDES, INC. 3,212,354
ROWLAND, MATTHEW 3,212,456
ROWLEY, JESSICA ANNE 3,212,501
ROYCE METAL PRODUCTS LIMITED 3,212,791
RUBIN, MATTHEW J. 3,212,427
RUBIN, MATTHEW J. 3,212,518
RUBINO, FRANCO 3,212,645
RUBINSKY, BORIS 3,212,634
RUEGEMER, THOMAS 3,212,792
RUFFOLO, ALEX 3,212,657
RULE, JEFFREY 3,212,606
RUSNAK, STANISLAV 3,211,737
RUZYCKI, CONOR AIDAN 3,212,189
RYAN, MATTHEW 3,211,760
RYGIEL, TOMASZ 3,212,386
RYKS, EMILY 3,212,828
RYU, JAE-HA 3,212,623
SABIC GLOBAL TECHNOLOGIES B.V. 3,212,640
SABSABI, MOHAMAD 3,212,409
SADACCA, BENJAMIN 3,212,964
SADACCA, BENJAMIN 3,213,002
SADACCA, BENJAMIN 3,213,004
SADELAIN, MICHEL 3,212,596
SAFINA, BRIAN 3,212,926
SAINT-GOBAIN ISOVER 3,212,526
SAINT-GOBAIN ISOVER 3,212,866
SAINT-GOBAIN WEBER FRANCE 3,212,444
SALEM, MILAD 3,212,996
SALIH, MHAMAD 3,212,757
SALLIER, YANNICK 3,212,444
SALMIA, JUKKA 3,212,160
SALMIA, JUKKA 3,212,436
SALUSJARVI, LAURA 3,212,549
SANA BIOTECHNOLOGY, INC. 3,212,370
SANDOR, MARIO 3,212,958
SANDVIK LTD 3,212,773
SANDVIK MINING AND CONSTRUCTION OY 3,212,547
SANTANA, RENE 3,212,514
SARRAF, STELLA T. 3,212,704
SASAK, RICHARD W. 3,212,776
SASAK, RUSSELL D. 3,212,776
SASOL CHEMICALS GMBH 3,212,671
SATISH, LATHA 3,212,430
SATWEKAR, ABHIJEET 3,211,744
SATZINGER, KEVIN JOSEPH 3,212,462
SAUDI ARABIAN OIL COMPANY 3,212,222
SAUER, STEEN 3,212,658
SAUERCONCEPT PATENT A/S 3,212,658
SAUVAGE, FELIX 3,212,551
SAVAR-HANGAR INC. 3,212,476
SAVARD, PHILIP 3,212,476
SC MEDICAL PTY LTD 3,212,532
SCHALL, MARTIN 3,212,285
SCHECK, PETER 3,212,335
SCHECK, PETER 3,212,559
SCHECK, PETER 3,212,561
SCHECK, PETER 3,212,562
SCHEUER, CATHERINE 3,212,305
SCHEUER, CATHERINE 3,212,309
SCHEUER, CATHERINE 3,212,315
SCHJETNE, KAROLINE 3,212,592
SCHLUMBERGER CANADA LIMITED 3,212,515
SCHLUMBERGER CANADA LIMITED 3,212,787
SCHLUMBERGER CANADA LIMITED 3,212,823
SCHMIDT + CLEMENS GMBH + CO. KG 3,212,819
SCHMIDTKE, CHRISTIAN 3,212,524
SCHMITT, FRITZ 3,155,358
SCHMITZ, RUEDIGER 3,212,958
SCHNEIDER, ADRIAN 3,212,737
SCHNEIDER, KIM 3,212,595
SCHNEIDEREIT, GUNTER 3,212,638
SCHNEIDEREIT, GUNTER 3,212,955
SCHNU, LLC 3,212,516
SCHNUCKLE, GARY 3,212,516
SCHOFIELD, DARREN JONATHAN 3,212,630
SCHONIG, CHRISTOPH 3,212,541
SCHRAGE, NORBERT 3,212,743
SCHRAGE, NORBERT 3,212,936
SCHREIBER, GREGORY 3,212,366
SCHREIBER, TAYLOR 3,212,277
SCHUBERT, MARTIN 3,212,330
SCHUBERT, MARTIN 3,212,335
SCHUBERT, MARTIN 3,212,557
SCHUBERT, MARTIN 3,212,559
SCHUBERT, MARTIN 3,212,561
SCHUBERT, MARTIN 3,212,562
SCHUEFFLER, PETER 3,212,258
SCHUENEMAN, GREGORY T. 3,212,414
SCHUMACHER, FLORIAN 3,212,187
SCHYMKOWITZ, JOOST 3,212,298
SCIPHER MEDICINE CORPORATION 3,212,448
SCOTT, EVAN ALEXANDER 3,212,567
SEAGEN INC. 3,212,610
SEAS II DAY, LLC 3,212,525
SEEWALD, TREVOR 3,212,456
SEGAL, BRIAN 3,212,719
SEIB, KATE 3,212,271
SEIDEL III, RONALD D. 3,212,382
SEIDEL III, RONALD D. 3,212,762
SEIDEL III, RONALD D. 3,212,765
SELEX ES INC. 3,212,490
SELF, CHRISTOPHER R. 3,212,326
SELLE ROYAL GROUP S.P.A. 3,212,488
SELTZER, RICHARD 3,212,278
SEMCHENKO, EVGENY 3,212,271
SENSEYE, INC. 3,212,785
SEPULVEDA VASQUEZ, SEBASTIAN ANDRES 3,212,618
SERNO, PETER 3,212,644
SETIAWAN, PANJI 3,212,631
SHACHAF, CATHERINE 3,212,391
SHAFRIR, ROEY 3,212,810
SHAHGALDIAN, PATRICK 3,213,007
SHAIKH, ABDUL KADAR 3,212,699
SHANG, JIHUI 3,212,675
SHANG, LIMIN 3,212,599
SHANGHAI BIOTROY BIOTECHNIQUE CO., LTD. 3,212,368
SHANGHAI GENBASE BIOTECHNOLOGY CO., LTD. 3,212,530
SHANGHAI HANSOH BIOMEDICAL CO., LTD. 3,212,319
SHANGHAI MEIYUE BIOTECH DEVELOPMENT CO., LTD. 3,212,455
SHANGHAIJIAO TONG UNIVERSITY 3,212,454

SHANNON, BRENDAN 3,212,304
SHAPIRO, GARY 3,212,596
SHARMA, SUNIL 3,212,877
SHARMA, TUSHAR 3,212,879
SHATTUCK LABS, INC. 3,212,277
SHAYWITZ, ADAM 3,212,876
SHEEHY, BRIAN 3,212,470
SHEN, GANG 3,193,304
SHENG, HAO 3,212,659
SHEPHERD, STEVEN DAVID 3,212,236
SHIH, JIUN-LE 3,212,837
SHIN, HYUNWOO 3,212,256
SHINDE, HARISH 3,212,419
SHINE, JONATHAN PAUL 3,212,699
SHINOHARA, YOSHIAKI 3,213,003
SHIPLEY, CAROLINE 3,212,515
SHIROTANI, NAOKI 3,212,766
SHODDER, PHILIP 3,212,808
SHRESTHA, BIPNA RANI 3,212,047
SHU, YUN 3,212,544
SHUGAEVA, TATIANA EVGENIEVNA 3,212,809
SHUKOOR, MOHAMMED 3,212,563
SHUSTOV, ANDREY 3,212,640
SIDHU, SACHDEV S. 3,212,408
SIEBENALLER, MICHAEL J. 3,212,568
SIEGLER, MARCO 3,212,379
SIEMENS INDUSTRY, INC. 3,212,224
SIENDT, HERVE 3,212,388
SIHRA, INDERPAL 3,212,580
SIKA TECHNOLOGY AG 3,212,449
SIKARSKIE, MICHELLE 3,212,061
SILBERT, GILAD 3,212,740
SILVA ELIPE, MARIA VICTORIA 3,212,491
SILVA ZOLEZZI, IRMA 3,212,361
SIMEONE, MICHAEL 3,212,635
SIMPSON-ABELSON, MICHELLE 3,212,439
SINERVO, KAI 3,212,160
SINERVO, KAI 3,212,436
SINGH, SATWINDER KAUR 3,212,351
SIRICO, ANNA 3,212,816
SKALITER, RAMI 3,212,873
SKIBBE, DAVID STEWART 3,212,460
SKORZYNSKI, MARCIN 3,212,386
SLAUGHTER, MARK 3,212,413
SLEE, SEAN 3,212,528
SLEEP NUMBER CORPORATION 3,212,673
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH 3,212,333
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH 3,212,596
SMART SYSTEMS TECHNOLOGY, INC. 3,212,824
SMELYANSKIY, VADIM 3,212,462
SMIT, FERNANDO 3,212,741
SMITH, CHARLES TIMOTHY 3,213,033
SMITH, DAN COHEN 3,212,425
SMITH, NOEL 3,212,494
SMITH, PHILIP 3,212,399
SMITH, RICHARD 3,212,805
SMUTNEY, EDWARD 3,212,715
SOARES DE LIMA FILHO, ELTON 3,212,409
SOBIESKI, MICHAEL 3,212,413
SOCIETE DES PRODUITS NESTLE S.A. 3,212,361
SOCOBATI 3,212,742
SODA, KAHO 3,212,728
SODAGAR, IRAJ 3,212,637
SODAGAR, IRAJ 3,212,694
SOKHANVARIAN, KHATERE 3,212,671
SOLAR FOODS OY 3,212,180
SOLAR FOODS OY 3,212,202
SOLAR FOODS OY 3,212,226
SOLAR FOODS OY 3,212,549
SOLBERG, NINA 3,212,226
SOLDI, RAFFAELLA 3,212,877
SOLER, ELODIE 3,212,582
SOLORZANO, BENITO PEREZ 3,212,274
SOMERO ENTERPRISES, INC. 3,212,781
SOMMER, MORTEN 3,212,316
SOMNOMED LIMITED 3,212,954
SON, DON 3,212,995
SON, SEO HYUN 3,212,733
SONG, XIN 3,212,340
SONTJENS, SERGE HENDRIKUS MATHIJS 3,212,571
SORENSEN, OLE BANDSHOLM 3,212,317
SOSINA, OLUKAYODE 3,212,293
SOUTHGATE, THOMAS 3,212,615
SOWA, MICHAL 3,212,645
SOWEMIMO-COKER, SAMUEL O. 3,212,827
SPADAFORA, BRUNA PAPA 3,212,281
SPECIFIC BIOLOGICS INC. 3,212,612
SPECTRUM BRANDS, INC. 3,212,416
SPECTRUM BRANDS, INC. 3,212,432
SPECTRUM BRANDS, INC. 3,212,576
SPIRINA, NATALIA ALEKSANDROVNA 3,212,809
SPRAGG, ANDREW MEARNS 3,212,299
SPRINGER, JASPER 3,212,388
SPROGOE, KENNETT 3,212,417
SQUINTO, STEPHEN 3,212,421
STAIGER, ROMAN 3,212,365
STANCIU, CORNELL 3,212,671
STANDARD BARIATRICS, INC. 3,212,625
STAPELA, ANNELIE 3,212,323
STARK, JESSICA 3,212,756
STEAD, BRENT E. 3,212,612
STEENSELS, JAN 3,212,758
STEFFEN, ROBERT 3,212,304
STEINBERG, SHIMON 3,212,356
STEINER, WILLIAM 3,212,794
STEINGOLD, EUGENIA 3,212,308
STEINGOLD, SAM 3,212,308
STERN, MARC-HENRI 3,212,964
STERN, MARC-HENRI 3,213,002
STERN, MARC-HENRI 3,213,004
STETLER, ANNIGJE MARTHA 3,212,179
STEVENS, JR. RAYMOND E. 3,212,587
STEVENS, TIMOTHY DIRK 3,212,517
STEVENSON, GREGORY GORDON 3,212,427
STEVENSON, GREGORY GORDON 3,212,518
STEVENSON, SCOTT A. 3,212,640
STEWART, SHAUN M. 3,211,727
STITES, RYAN EDWARD 3,212,778
STOICHEIA, INC. 3,212,217
STOKELY-VAN CAMP, INC. 3,212,435
STOKER, JEROEN FREDERIK JAN 3,212,739
STOKKELAND, KAJ 3,212,629
STRAAT, JULIEN 3,212,535
STRELKOVA, ANNA NIKOLAEVNA 3,212,809
STROTMANN, ARNO 3,212,266
STROUT, BENJAMIN ORA 3,212,574
STRUBLE, JUSTIN ROBERT 3,212,507
STUPICHEV, DANIL 3,212,968
STURM, FLORIAN 3,212,310
STUSYNSKI, STACY 3,212,673
STUURMAN, JEROEN 3,212,047
SU, BINGQUAN 3,212,514
SU, YIDONG 3,212,319
SUBRAMANIAN, RAMKUMAR 3,212,235
SUDRE, MATHIEU 3,212,798
SUDRE, MATHIEU 3,212,799
SUMAN, PATHI 3,212,520
SUMITOMO CHEMICAL ADVANCED TECHNOLOGIES LLC, D.B.A. SUMIKA ELECTRONIC MATERIALS 3,211,244
SUMITOMO CHEMICAL COMPANY, LIMITED 3,211,244
SUN, HUA 3,212,738
SUN, HUA 3,212,767
SUN, JIANPING 3,212,786
SUN, JICHAO 3,212,220
SUN, SHENG 3,212,480
SUN, THOMAS SHAOFENG 3,212,832
SUN, YANJUN 3,212,326
SUN, YUFAN 3,212,368
SUN, ZONGGUO 3,212,455
SUN-BLANKS, JIAN 3,212,481
SUN-BLANKS, JIAN 3,212,486
SUNCOR ENERGY INC. 3,212,754
SUNDH, PATRIK 3,212,322
SUNDHOLM, GORAN 3,212,724
SUNG, IN-HYOUK 3,212,803
SUPERSAD, ELORA 3,212,305
SURMA, JEFFREY E. 3,212,327
SURTANI, VED 3,212,607
SUZANO S.A. 3,212,281
SUZUKI, HIDETOSHI 3,212,459
SUZUKI, HIDETOSHI 3,212,935
SUZUKI, KEISUKE 3,212,691
SUZUKI, MASARU 3,212,411
SVERDLOV, KATYA 3,212,308
SWANBURY, PHILIP 3,212,399
SWENBY, KRISTEN ELIZABETH 3,212,673

SWIERTZ, DAN 3,213,031
SWINEHART, LINDSEY COLLEEN 3,213,005
SWINT, ETHAN BAGGET 3,212,427
SWINT, ETHAN BAGGET 3,212,518
SWISHER, JORDAN H. 3,212,217
SWITCHBLE LLC 3,212,838
SYMBIOSIS C.M. LTD 3,212,810
SYNGENTA CROP PROTECTION AG 3,212,365
SYNGENTA CROP PROTECTION AG 3,212,451
SYNGENTA CROP PROTECTION AG 3,212,460
SZESZULA, PETRA 3,212,322
SZYMAN, CATHERINE M. 3,212,493
T.J. SMITH AND NEPHEW, LIMITED 3,212,570
TABAKMAN, SCOTT M. 3,212,512
TABIC, ARNON 3,212,356
TAFRESHI, ALI 3,212,704
TAGAYA, HIROAKI 3,212,343
TAISEI KAKO CO., LTD. 3,212,992
TALLY, WILLIAM N. 3,212,657
TAMURA, YUICHI 3,212,195
TANAKA, TSUTOMU 3,212,992
TANGE, YUSUKE 3,212,498
TANGO THERAPEUTICS, INC. 3,212,292
TANIGUCHI, MUTSUKO 3,212,728
TANNER, NEAL 3,212,211
TANNPAPIER GMBH 3,212,523
TANNPAPIER GMBH 3,212,710
TAO, ZHU 3,212,465
TARGARONA HERRERA, MATIAS BERNARDO 3,212,618
TATTARI, JONI 3,212,647
TATVUM LLC 3,212,291
TAU MOTORS, INC. 3,212,427
TAU MOTORS, INC. 3,212,518
TAUDORF, ELISABETH HJARDEM 3,212,316
TAYLOR, DAVID M. 3,212,654
TAYLOR, JARED 3,213,023
TD BANK GROUP, INTELLECTUAL PROPERTY OFFICE 3,212,865
TECHNO-UMG CO., LTD. 3,213,003
TEIJIN PHARMA LIMITED 3,212,342
TEKION CORP 3,212,607
TELLIS, JENNY 3,212,451
TENARIS CONNECTIONS B.V. 3,212,274
TENCENT AMERICA LLC 3,212,637
TENCENT AMERICA LLC 3,212,694
TERAZONO, YUICHI 3,212,754
TERRAMINO INC. 3,212,275
TERRAPOWER, LLC 3,212,732
TERVASMAKI, PETRI 3,212,180
TEYCHENE, BRUNO PHILIPPE JEAN 3,212,542
THACKER, MICHAEL DON 3,212,540
THADURI, JAGAN 3,212,515
THAI, DUNG ZUNG 3,212,624
THAKKAR, SAGAR 3,212,361
THALES 3,212,750
THALLADI, VENKAT R. 3,212,635
THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 3,212,789
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,212,642
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,212,755
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,212,756
THE BROAD INSTITUTE, INC. 3,212,314
THE CHEMOURS COMPANY FC, LLC 3,212,481
THE CHEMOURS COMPANY FC, LLC 3,212,486
THE CHILDREN'S HOSPITAL OF PHILADELPHIA 3,212,546
THE FYNDER GROUP, INC. 3,212,594
THE GENERAL HOSPITAL CORPOATION 3,212,779
THE GOVERNING COUNCIL OF THE UNIVERSTIY OF TORONTO 3,212,408
THE GOVERNORS OF THE UNIVERSITY OF ALBERTA 3,212,403
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,212,360
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE 3,212,877
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE 3,212,634
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPART... 3,212,978
THE UNIVERSITY OF BRITISH COLUMBIA 3,212,237
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL 3,212,786
THE UNIVERSITY OF TOKYO 3,212,267
THE USA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES 3,212,492
THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY 3,212,593
THEIL, PERRINE 3,212,952
THERAPEUTICS BY DESIGN, LLC 3,212,468
THERAVANCE BIOPHARMA R&D IP, LLC 3,212,635
THIES, ROBERT SCOTT 3,212,370
THOM, ALBERT GEORGE 3,212,630
THOMAS, TODD 3,212,508
THOMPSON, JONATHAN R. 3,212,625
THOMPSON, KENNETH EVAN 3,212,311
THOMPSON, KENNETH O. 3,212,925
THORSLUND, MIKAEL 3,212,287
THREEBOND CO., LTD. 3,212,684
THRIFT, WILLIAM JOHN 3,212,996
THRONER, SCOTT 3,212,292
TIAN, YONG 3,212,455
TICHY, STANISLAV 3,212,442
TIMMINS, LUKE 3,212,868
TIMMINS, LUKE 3,212,951
TIMMINS, LUKE 3,212,973
TIPPELT, DANIEL 3,212,800
TIWARI, NIVEDAN 3,212,291
TODD, JENNIFER P. 3,212,061
TOMPKINS, LANDON 3,212,413
TONGA, MURAT 3,212,406
TOOPI ORGANICS 3,212,472
TOOPI ORGANICS 3,212,473
TORHAUG, SIRI BRINCHMANN-HANSEN 3,212,592
TOSHIBA DIGITAL SOLUTIONS CORPORATION 3,212,411
TOWNSEND, ROBERT JAMES 3,212,699
TRACHY-CLOUTIER, JUSTIN 3,212,527
TRACY, ADAM WILLIAM 3,212,416
TRAINED THERAPEUTIX DISCOVERY, INC. 3,212,571
TRAN, HELENE 3,212,650
TRENHOLM, WALLACE 3,212,179
TRENT, JEFFREY 3,212,877
TRINCE BV 3,212,551
TRIOWORLD OMBREE D'ANJOU SAS 3,212,466
TRIPATHY, SAKYASINGH 3,212,514
TROUDT, BLAIR K. 3,212,632
TRUAX, JOHN E. 3,212,732
TRX BIOSCIENCES LIMITED 3,212,583
TSAO, DAVID 3,212,749
TSCHIDA, ADAM 3,212,220
TSEMA, ALEXANDER 3,212,258
TSIONSKY, MICHAEL 3,212,325
TSUJIMOTO, MAKI 3,212,343
TUNC, MUHARREM ALI 3,212,515
TUOMISALO, AKI 3,212,548
TURNER, BRUCE C. 3,212,421
TURTINEN, SAMULI HEIKKI 3,212,689
TUVA-STENSLAND, CHRISTIAN 3,212,214
TUXEN POULSEN, THOMAS 3,212,417
TYAGI, RISHABH 3,212,631
TYRRELL, ANDREW 3,212,501
UCL BUSINESS PLC 3,212,043
UDU APS 3,212,233
UEDA, TSUYOSHI 3,212,691
ULLRICH, NICHOLAS 3,212,532
UMMALANENI, RITWIK 3,212,211
UNILEVER GLOBAL IP LIMITED 3,212,608
UNION THERAPEUTICS A/S 3,212,316
UNISENSOR 3,212,535

Index des demandes PCT entrant en phase nationale

UNITEC S.P.A. 3,212,937
UNITED STATES, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE 3,212,414
UNIVERSIDAD DE SANTIAGO DE CHILE 3,212,618
UNIVERSITE D'AIX-MARSEILLE 3,212,651
UNIVERSITE D'AIX-MARSEILLE 3,212,655
UNIVERSITE DE HAUTE ALSACE 3,212,952
UNIVERSITE DE MONCTON 3,212,529
UNIVERSITY OF BRITISH COLUMBIA 3,212,601
UNIVERSITY OF CALIFORNIA AT BERKELEY 3,212,634
UNIVERSITY OF CINCINNATI 3,212,430
UNIVERSITY OF IOWA RESEARCH FOUNDATION 3,212,271
UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC. 3,212,413
UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES 3,212,989
UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION 3,212,830
UR REHMAN, SHAKEEL 3,213,000
URURAKI INC. 3,212,757
UTHOFF, STEFAN 3,212,187
VACA, GABY BALDEON 3,212,664
VAGNILUCA, ILARIA 3,212,999
VAINIKKA, PASI 3,212,226
VALDEZ, MICHAEL G. 3,212,289
VALDEZ, MICHAEL G. 3,212,383
VALENTE, PAUL J. 3,212,367
VALEO EMBRAYAGES 3,212,579
VALMET AUTOMATION OY 3,212,199
VAN DEN BRINK, TIMON 3,212,739
VAN DER VEEN, LARS 3,212,522
VAN DER VEEN, LARS 3,212,731
VAN GOOL, MICHIEL LUC MARIA 3,212,725
VAN GUMSTER, JASON 3,212,661
VAN LEYEN, JAN CHRISTOPHER 3,212,416
VAN OPDENBOSCH, NINA 3,212,725
VAN PARYS, RUBEN 3,211,737
VAN PARYS, RUBEN 3,211,739
VANDERKLISH, PETER W. 3,212,704
VANIER, FRANCIS 3,212,409
VARADAN, RANJANI 3,212,363
VASILACHE, ADRIANA 3,212,985
VASSILEV, VENTZISLAV BOJIDAROV 3,212,653
VAUGHAN, JAMES WILLIAM 3,212,497
VAULTREE LTD. 3,212,962
VECCHIO, JAMES NATHANIEL 3,212,946
VECTURA DELIVERY DEVICES LIMITED 3,212,399
VECTURA DELIVERY DEVICES LIMITED 3,212,400
VEDARAJ, ANAND J. 3,212,573
VERDIER, JEROME 3,212,261
VERDIER, JEROME 3,212,265
VERGEYNST, LIDEWEI 3,211,739
VERHO, SAMULI 3,212,547
VERMA, MEGHAV 3,212,492
VERSTRAETE, MATTHIAS 3,211,737
VERSTREPEN, KEVIN J. 3,212,758
VERWEIJ, NIEK 3,212,293
VERWEIRE, DIMITRI 3,212,959
VIB VZW 3,212,298
VIB VZW 3,212,758
VICORE PHARMA AB 3,212,188
VICORE PHARMA AB 3,212,780
VIEGA TECHNOLOGY GMBH & CO. KG 3,212,245
VIEIRA, RICHIELI TELES 3,212,281
VIFIAN, WALTER 3,212,341
VIGANT, FREDERIC 3,212,366
VILLETTI, GINO 3,212,603
VINCENT, THERESA 3,212,322
VIRIDIS RESEARCH INC. 3,212,148
VIVIFI MEDICAL, INC. 3,212,879
VOIT, THOMAS 3,212,043
VOLKOVS, MAKSIMS 3,212,865
VOLTSERVER, INC. 3,212,254
VONA, NEVIO 3,212,763
VOSS, ABIGAIL LOUISE 3,212,485
W. L. GORE & ASSOCIATES, INC. 3,212,556
W.R. GRACE & CO.-CONN. 3,212,228
WAEGEMAN, TIM 3,211,737
WAEGEMAN, TIM 3,211,739
WAGH, SHUBHAM 3,212,582
WAGNER, ANDREW 3,211,739
WAGNER, CLEMENS 3,212,388
WAGNER, PAMELA 3,212,237
WAHLE, BENJAMIN 3,212,577
WALDRAFF, CHRISTIAN 3,212,998
WALKUP, MICHAEL C 3,211,244
WALLGREN, LINUS ERIC 3,212,492
WALLIS, LAURA 3,212,501
WALMART APOLLO, LLC 3,212,251
WALSH, BRIAN 3,212,141
WALSH, JESSICA 3,212,595
WALTER, TOM 3,212,422
WALTER, TOM 3,212,426
WALTON, CRAIG 3,212,532
WAN, TINGTING 3,212,530
WANG, BIN 3,212,643
WANG, CHAODONG 3,212,455
WANG, GUOMING 3,212,467
WANG, JIAXIAN 3,212,105
WANG, JUN 3,212,783
WANG, LEI 3,212,360
WANG, LIBING 3,193,304
WANG, YANDONG 3,212,464
WANG, YUXIAO 3,212,398
WANG, ZHE 3,212,643
WANG, ZHONGMING 3,212,946
WANNINGER, KLAUS 3,212,335
WANNINGER, KLAUS 3,212,559
WANNINGER, KLAUS 3,212,561
WANNINGER, KLAUS 3,212,562
WARD, ANDREW M. 3,212,640
WARD, ROBERT S. 3,212,346
WARNER, KEVIN 3,212,925
WARREN RUPP, INC. 3,212,058
WASHINGTON UNIVERSITY 3,212,577
WASHINGTON UNIVERSITY 3,212,968
WATERFALL, JOSHUA 3,212,964
WATERFALL, JOSHUA 3,213,002
WATERFALL, JOSHUA 3,213,004
WATERMOON AS 3,212,807
WATSCHKE, BRIAN P. 3,212,494
WAWRO, ADAM 3,212,755
WAWROWSKI, JOHN 3,212,058
WEBB, CHRISTOPHER JOHN 3,212,570
WEBER, MARC CHRISTIAN 3,212,285
WEDI GMBH 3,156,427
WEDI GMBH 3,156,431
WEDI, STEPHAN 3,156,427
WEDI, STEPHAN 3,156,431
WEEDON, HANNAH BAILEY 3,212,570
WEGERT, ANITA 3,212,388
WEI, WEI 3,212,636
WEIDENER, DENNIS 3,212,276
WEINER, DAVID 3,212,593
WEISS, ANNE 3,212,316
WENDLING, ALLAN 3,212,509
WENG, JANE 3,212,578
WENNMAN, MARIA 3,212,614
WERNER, MARK R. 3,212,732
WERNICK, MILES N. 3,212,626
WEST, MICHAEL D. 3,212,375
WEST, MICHAEL D. 3,212,381
WESTROCK PACKAGING SYSTEMS, LLC 3,212,589
WEYMOUTH-WILSON, ALEXANDER 3,212,501
WHITE, AILEEN 3,212,501
WHITE, CAMERON 3,212,499
WHITE, CHRISTOPHER M. 3,212,568
WHITEHEAD, STEVEN KRISTOPHER 3,212,236
WHITSON, LUKE 3,211,760
WHITTAKER, BEN PAUL 3,212,769
WHITTAKER, BEN PAUL 3,212,775
WHITTAKER, BEN PAUL 3,212,872
WIDMER, URS 3,212,959
WIGGINTON, IAN JAMES 3,212,699
WILDE, THOMAS C. 3,212,339
WILKINSON, BENJAMIN THOMAS JOHN 3,212,542
WILLEMIN, MARIE E. 3,212,339
WILLIAMS, JODI T. 3,212,388
WINFIELD, CHARLES 3,212,760
WINKLBAUER, MARTIN 3,212,524
WINTER, RUTH E. 3,212,950
WISER, OFER 3,212,873
WISNOVSKY, SIMON 3,212,756

Index of PCT Applications Entering the National Phase

WO?EK, BARBARA KAROLINA 3,212,775
WO?EK, BARBARA KAROLINA 3,212,863
WOHL, ANINA 3,212,335
WOHL, ANINA 3,212,557
WOLEK, BARBARA KAROLINA 3,212,769
WOLFERSTETTER, LISA 3,212,524
WOLGEMUTH, JOHN M. 3,212,649
WOLKOW, ROBERT A. 3,212,403
WONDERLAND SWITZERLAND AG 3,212,554
WOOD, BRENDON 3,212,995
WOOD, COLIN 3,212,499
WOOD, HARRISON JOHN 3,212,954
WOODFIELD, GEORGIA 3,212,252
WU, CAI 3,212,604
WU, CHANGJIANG 3,212,478
WU, CHUNLI 3,212,689
WU, VICTORIA CHENG-TAN 3,212,211
WU, XIAOYUN 3,212,314
WU, ZENGRU 3,212,218
WUBSHET, SILESHI 3,212,226
WURST, JACQUELINE MARY 3,212,778
XENCOR, INC. 3,212,665
XIAO, HUALING 3,212,319
XIAO, HUIWEN 3,212,782
XIE, FANG 3,212,538
XIE, FANG 3,212,711
XING, QIANBIN 3,212,544
XU, JIAHAO 3,212,643
XU, JIAN 3,212,507
XU, JIE 3,212,368
XU, KAI 3,212,622
XU, KAI 3,212,949
XU, LIULIU 3,212,530
XU, SHENGMING 3,212,858
XU, TENG 3,212,155
XU, XIAOYOU 3,212,738
XU, XIAOYOU 3,212,767
XU, XIE 3,212,729
XU, YILING 3,212,454
XUZHOU KERUI MINING TECHNOLOGY CO., LTD. 3,193,304
YACOUBI, NADIA 3,212,579
YAFEI (SHANGHAI) BIOLOG MEDICINE SCIENCE & TECHNOLOGY CO., LTD. 3,212,636
YALE UNIVERSITY 3,212,421
YAM, LUNG S. 3,212,536
YAMADA, KEI 3,212,822
YAN, JIAN 3,212,575
YANG, GUANG 3,212,224
YANG, HANLONG 3,212,272
YANG, TUO 3,212,674
YANG, YANG 3,212,768
YANG, YI 3,212,105
YANG, YONGYI 3,212,626
YANG-MALTEN, YANG 3,212,417
YAO, HONG 3,212,782
YARA INTERNATIONAL ASA 3,212,238
YE, GUOZHONG 3,212,455
YEPEZ, IVAN DARIO ROMERO 3,212,458
YERKEYEV, ANTON 3,212,838
YI, SIJIA 3,212,567
YI, YUNJUNG 3,212,622
YI, YUNJUNG 3,212,949
YIN, WEIQI 3,212,652
YL, WENWEN 3,193,304
YOCKEY, STEVE 3,212,794
YON, JEAN-JACQUES 3,203,028
YOON, DASEUL 3,212,256
YOSHIDA, SAYAKA 3,212,343
YOSHIKIYO, KAZUNORI 3,212,343
YOUNG, GUANG-HUAR 3,212,620
YOUNGBLOOD, JEFFREY PAUL 3,212,414
YOUSFI, RAZIK 3,212,258
YTY INDUSTRY SDN BHD 3,212,410
YU, GUANGWEI 3,212,865
YU, HAN 3,212,515
YU, HAO 3,212,478
YU, HUIYANG 3,212,052
YU, JIAN 3,212,307
YU, JIAN 3,212,534
YU, RENYUAN 3,212,155
YU, WENSHENG 3,212,319
YUAN, JIJUN 3,212,530
YUAN, YUAN 3,212,782
YUAN, YUAN 3,212,783
YUKI, YOSHIKAZU 3,212,267
YUWA SHOJI CO., LTD. 3,212,992
ZAHN, PHILIPP DONATUS MARTIN 3,212,638
ZAHN, PHILIPP DONATUS MARTIN 3,212,955
ZAKARIAIE, DAVID BOBBAK 3,212,785
ZAMBALDO, CLAUDIO 3,212,341
ZAMMIT, MARK 3,212,489
ZANONI, ANDREA 3,212,424
ZAPATA COMPUTING, INC. 3,212,467
ZAVATTA, ALESSANDRO 3,212,999
ZELLHUBER, MATHIEU 3,212,330
ZELLHUBER, MATHIEU 3,212,335
ZELLHUBER, MATHIEU 3,212,550
ZELLHUBER, MATHIEU 3,212,557
ZELLHUBER, MATHIEU 3,212,559
ZELLHUBER, MATHIEU 3,212,561
ZELLHUBER, MATHIEU 3,212,562
ZELLHUBER, MATHIEU 3,212,640
ZETTL, BRENTON HAROLD 3,212,745
ZETTLER, MICHAEL 3,212,285
ZEVALLOS, JOSE 3,212,577
ZHANG CHUANSHENG 3,193,304
ZHANG, CHAOFAN 3,193,304
ZHANG, CHENGLONG 3,212,782
ZHANG, CHENGLONG 3,212,783
ZHANG, DAPING 3,212,604
ZHANG, HONGYAN 3,212,530
ZHANG, QINGLING 3,211,760
ZHANG, SHUOTING 3,212,782
ZHANG, XIAOJUN 3,212,544
ZHANG, YANG 3,212,478
ZHANG, YIHUA 3,212,871
ZHANG, YUJIE 3,212,454
ZHANG-HOOVER, JIE 3,212,604
ZHAO, HANXIN 3,212,662
ZHAO, MUHUA 3,212,478
ZHAO, XUEHUA 3,212,368
ZHAO, YUANYUAN 3,212,544
ZHEN, XUE 3,212,632
ZHENG, JIANFEI 3,212,416
ZHENG, PEIZHONG 3,212,294
ZHONG, JIAMENG 3,212,368
ZHOU, GONGBO 3,193,304
ZHOU, HUA 3,212,622
ZHOU, HUA 3,212,949
ZHOU, XIAO QIANG 3,212,283
ZHOU, YOUWEN 3,212,601
ZHU, SIYANG 3,212,782
ZHU, ZHENCAI 3,193,304
ZIEM, KRISCHAN 3,212,645
ZITNICK, DANA 3,212,546
ZOIS, NORA ELISABETH 3,212,417
ZONNEVELD, ROLAND MATTHIJS 3,212,739
ZORRILLA, REBECA 3,212,731
ZOU, XUEQING 3,212,744
ZOZO, INC. 3,212,839
ZUBER, THOMAS 3,212,192
ZUMBRUNN-MAURER, BRUNO 3,212,273
ZUO, HAOXIAO 3,212,351
ZYUS LIFE SCIENCES INC. 3,212,745

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC. 3,212,126
AFEYAN, NOUBAR B. 3,212,215
AFEYAN, NOUBAR B. 3,212,772
AGULNICK, ALAN D. 3,212,301
AHMED, AFTAB 3,212,686
ALFORD, ROB 3,211,697
ALLSTATE INSURANCE COMPANY 3,212,030
AMGEN RESEARCH (MUNICH) GMBH 3,212,157
ANAND, FARMINDER SINGH 3,212,243
ANAND, FARMINDER SINGH 3,212,334
ANDRADE, MARCUS 3,211,990
ANGELICA HOLDINGS LLC 3,211,752
ARMSTRONG WORLD INDUSTRIES, INC 3,212,588
AUNINS, JOHN G. 3,212,215
AUNINS, JOHN G. 3,212,772
AVERY DENNISON RETAIL INFORMATION SERVICES LLC 3,212,656
BAKER, JOSEPH J. 3,211,794
BALASUBRAMANIAN, SIVARAMAKRISHNAN 3,212,438
BALDONI, ANTHONY C. 3,211,662
BALDONI, ANTHONY C. 3,211,824
BARNES, JEFFERY R. 3,211,886
BASUDE, RAGHUVEER 3,211,817
BAUMGARTNER, DEAN JOSEPH 3,212,243
BAUMGARTNER, DEAN JOSEPH 3,212,334
BCE INC. 3,212,581
BECTON, DICKINSON AND COMPANY 3,212,438
BELLIVEAU, SCOTT M. 3,211,813
BENDZINSKI, DUANE E. 3,211,488
BENDZINSKI, DUANE E. 3,211,514
BERGMAN, TODD M. 3,212,588
BERNETT, MATTHEW J. 3,211,863
BERRY, DAVID A. 3,212,215
BERRY, DAVID A. 3,212,772
BESSON, CHRISTOPHE 3,211,488
BESSON, CHRISTOPHE 3,211,514
BHAGAVATULA, RAMYA 3,212,126
BHATT, NIRAV 3,211,794
BHAVARAJU, NARESH C. 3,211,813
BIOMARK TECHNOLOGIES INC. 3,212,686
BLACK GOLD COIN, INC. 3,211,990
BLACKWELL, JENNIFER 3,211,794
BLAIN, JASON 3,212,677
BLUEMEL, CLAUDIA 3,212,157
BODNAR, JON 3,211,794
BOWMAN, LEIF 3,211,770
BOWMAN, LEIF N. 3,211,813
BRAHMBHATT, HIMANSHU 3,211,718
BRENT, FRED D. 3,212,718
BRIGANTI, RICHARD THOMAS 3,212,331
BROWN, JOSHUA JEREMY 3,212,028
BROWN, PATRICK O'REILLY 3,212,857
BROWN, RODGER 3,211,488
BROWN, RODGER 3,211,514
BRUCE, MARK 3,212,147
BRYAN, PAUL F. 3,212,718
BUFFKIN, ERIC 3,211,663
BURKHOLZ, JON 3,212,438
BUX, RASHID 3,212,686
BYRON, DAVID MICHAEL 3,212,177
CABRIT, SEBASTIEN 3,211,815
CAIL, KEVIN 3,212,028
CAMINO, NESTOR JESUS, JR. 3,212,124
CANE, JASON A. 3,212,176
CANON KABUSHIKI KAISHA 3,212,021
CARBONCURE TECHNOLOGIES INC. 3,212,028
CARGILL, INCORPORATED 3,212,688
CARGILL, INCORPORATED 3,212,695
CARROLL, JOSEPH P., JR. 3,212,142
CARTER HOFFMANN, LLC 3,212,302
CASTAGNA, PATRICK 3,211,794
CASTILLO, RITA 3,211,813
CHEN, WANSHI 3,212,539
CHEN, WANSHI 3,212,764
CHENG, BRIAN 3,212,686
CHEVRON USA INC. 3,212,718
CHINEN, TORU 3,212,162
CHOU, HUNG-LIANG 3,212,243
CHOU, HUNG-LIANG 3,212,334
CHOW, PETER 3,212,126
CIOFFI, JOHN 3,212,126
CLOVER NETWORK, LLC 3,212,560
COHN, ELYSIA 3,212,857
CONSTANTIN, ALEXANDRA ELENA 3,211,813
COOK, DAVID 3,212,215
COOK, DAVID 3,212,772
CORDERO, RAFAEL 3,211,996
CORNEIL, PAUL 3,212,242
CORNEIL, PAUL 3,212,247
CRAIG, JON 3,212,045
CRAIG, JON 3,212,048
CUSTERS, DAVID MICHAEL 3,211,488
CUSTERS, DAVID MICHAEL 3,211,514
D'ONOFRIO, ANTHONY MARIO 3,212,215
D'ONOFRIO, ANTHONY MARIO 3,212,772
DA COSTA, ANDRE R. 3,212,718
DAHLHOFF, CHRISTOPH 3,212,157
DALE, ASHLYNNE 3,211,815
DARMANIJAN, SHALOM 3,211,663
DAVIS, ANNA LEIGH 3,211,813
DELMORE, SHAN 3,211,770
DEMERX, INC. 3,212,001
DEROSA, FRANK 3,211,902
DESANTIS, CRAIG W. 3,212,588
DESHPANDE, RAVINDRA 3,212,588
DESJARLAIS, JOHN 3,211,863
DEVGON, PITAMBER 3,212,331
DEXCOM, INC. 3,211,770
DEXCOM, INC. 3,211,794
DEXCOM, INC. 3,211,813
DHILLON, MANJINDER SINGH 3,211,752
DOWNIE, PATRICK 3,212,438
DRAEGER, RIAN 3,211,770
DRAEGER, RIAN 3,211,813
DUCKETT, JEANNE 3,212,656
DUNN, LAURA 3,211,813
DUXBURY, GRANT 3,212,242
DUXBURY, GRANT 3,212,247
EDWARDS LIFESCIENCES CORPORATION 3,205,220
EHRENREICH, KEVIN J. 3,212,331
ELLI, SARAH 3,211,770
ENGENEIC MOLECULAR DELIVERY PTY LTD 3,211,718
ENGLAND, JUSTEN 3,211,794
ETECTRX, INC. 3,211,663
EULIANO II, NEIL R. 3,211,663
FAN, XIAOLIN 3,212,243
FAN, XIAOLIN 3,212,334
FERNANDES, FRANCIS 3,212,581
FLORES, GLEN 3,211,663
FORGERON, DEAN PAUL 3,212,028
FRASER, RACHEL 3,212,857
FRIEDHOFF, LAWRENCE 3,212,001
FUSUS, INC. 3,211,662
FUSUS, INC. 3,211,824
GAENSBAUER, DAVID ANTHONY 3,211,488
GAENSBAUER, DAVID ANTHONY 3,211,514
GALLI, STEFANO 3,212,126
GARCIA, ARTURO 3,211,813
GASPARD, DAN S. 3,212,688
GASPARD, DAN S. 3,212,695
GASSER, BRIGITTE 3,212,565
GAYDOS, CHRISTOPHER D. 3,212,588
GIMENEZ, REBECCA 3,211,770

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

GOLDBURG, MARC 3,212,126
GOLDSMITH, TIMOTHY 3,211,794
GOOGLE LLC 3,211,982
GORDON, BLAKE EDWARD 3,212,479
GORDON, REUVEN 3,212,686
GPCP IP HOLDINGS LLC 3,212,243
GPCP IP HOLDINGS LLC 3,212,334
GRAUS, JONATHON P. 3,212,376
GRAY, JOHN 3,211,794
GREENE, ADAM 3,211,770
GUAN, YUNFENG 3,212,005
GUO, XUFENG 3,211,647
GUO, XUFENG 3,212,005
HALAC, JASON 3,211,794
HALES, STEVEN A. 3,211,982
HALL, THOMAS 3,211,813
HALLEY, BRADLEY KAREL 3,212,479
HALLIDAY, DAVID 3,212,066
HAMPAPURAM, HARI 3,211,813
HANLEY, COOPER 3,211,886
HANNAH, MICHAEL MORTON 3,211,898
HANNEMANN, CHRISTOPHER 3,211,813
HARDING, WESTON 3,212,438
HARHEN, ROBERT 3,211,996
HARLEY-TROCHIMCZYK, ANNA 3,211,813
HARLIN, MATTHEW 3,212,191
HARMES, CLYDE S,, V 3,211,653
HARSCO TECHNOLOGIES LLC 3,211,697
HE, DAZHI 3,212,005
HEARTLEIN, MICHAEL 3,211,902
HEINTZMAN, NATHANIEL DAVID 3,211,813
HEISS, SILVIA 3,212,565
HELGESON, DAVID D. 3,212,376
HEMANEXT INC. 3,211,996
HENN, MATTHEW R. 3,212,215
HENN, MATTHEW R. 3,212,772
HIRABAYASHI, MITSUHIRO 3,212,162
HOBBIS, ANDREW JAMES 3,211,488
HOBBIS, ANDREW JAMES 3,211,514
HOF, FRASER ALAN 3,212,686
HOFFMANN, PATRICK 3,212,157
HOGAN, HAYLEY MARIANNE 3,211,981
HOLZ-SCHIETINGER, CELESTE 3,212,857
HOUGH, PAUL A. 3,212,588
HOWELL, SCOTT 3,211,886
HUANG, GE 3,211,647
HUANG, GE 3,212,005
HUBER ENGINEERED WOODS LLC 3,212,479
HUTCHINSON, JAMES M. F. 3,211,653
ILLUMINA, INC. 3,211,981
IMPOSSIBLE FOODS INC. 3,212,857
INTELLIGENT LIGHTING TECHNOLOGIES INC. 3,212,177
INVENSYS SYSTEMS, INC. 3,212,124
ISAACSON, SHAWN 3,212,438
IYER, NATASHA 3,211,488
IYER, NATASHA 3,211,514
JACKSON, ANDREA 3,211,813
JAIN, SIDHARTH 3,212,390
JASKIERSKI, ANTHONY J. 3,212,588
JAYASINGHE, LAKMAL 3,212,147
JEPSON, LAUREN HRUBY 3,211,813
JI, TINGFANG 3,212,539
JI, TINGFANG 3,212,764
JOHNSTON, NEAL 3,211,794
JONCICH, ANDREW 3,211,794
JURICK, JOSEPH W. 3,212,484
KALE, PRASAN 3,212,390
KAMAT, RAJEEV G. 3,211,488
KAMAT, RAJEEV G. 3,211,514
KAMATH, APURV ULLAS 3,211,770
KAMATH, APURV ULLAS 3,211,813
KARR, JESSICA 3,212,857
KEEGAN, PHILIP 3,211,996
KEHLER, ALYSE 3,212,036
KEHRER, KENNETH P. 3,212,588
KEIDAR, YARON 3,205,220
KELLER, DAVID 3,211,794
KELLY, OLIVIA 3,212,301
KEMPKEY, MARK 3,211,794
KERPEZ, KENNETH J. 3,212,126
KIDA, GREG 3,211,770
KIRBY, KATHERINE 3,211,770
KLING, ANDREW LEE DAVID 3,212,124
KNELSEN, PETER 3,211,514
KOEHLER, KATHERINE 3,211,813
KOGER, KEITH A. 3,212,588
KOPLIN, RANDALL SCOTT 3,211,794
KOSMICKI, MICHAEL 3,211,488
KOSMICKI, MICHAEL 3,211,514
KRAEMER, DAN 3,211,770
KUBO, YUKIO 3,212,021
KUFER, PETER 3,212,157
LEE, ERIC A. 3,211,982
LEE, YOUNG WOO 3,211,794
LEONE, KERI 3,211,770
LESSARD, CAROL 3,212,302
LI, BRUCE 3,212,045
LI, BRUCE 3,212,048
LINDENAU, CHRISTOPHER R. 3,211,662
LINDENAU, CHRISTOPHER R. 3,211,824
LINSCOTT, RICHARD LINWOOD 3,212,124
LITCOFSKY, KEVIN DANIEL 3,212,215
LITCOFSKY, KEVIN DANIEL 3,212,772
LONZA LTD. 3,212,565
LUTH, JAMES GERARD 3,212,124
LUTTERBUESE, RALF 3,212,157
MA, YIPING 3,212,438
MACDIARMID, JENNIFER 3,211,718
MACDONALD, MARK 3,212,028
MACDONALD, SAM 3,212,066
MACHA, RAJA RAMANA 3,212,124
MAHESHWARI, RICHA 3,212,036
MAILLET, EMELINE 3,212,001
MANAVBASI, ALP 3,211,488
MANAVBASI, ALP 3,211,514
MANDAPAKA, ADITYA 3,211,813
MANNERS, CAMERON 3,212,242
MANNERS, CAMERON 3,212,247
MARASCO, ERIN KATHLEEN 3,212,688
MARASCO, ERIN KATHLEEN 3,212,695
MARATHON PETROLEUM COMPANY LP 3,212,045
MARATHON PETROLEUM COMPANY LP 3,212,048
MARKHAM, ADAM CHRISTOPHER 3,211,886
MARTIN, GREGORY 3,212,677
MATA, JOSE MANUEL GAMBOA 3,212,479
MATSUOKA, YOKY 3,211,982
MATTANOVICH, DIETHARD 3,212,565
MCNEILL, LUKE 3,212,147
MEKA, VENKATA V. 3,211,663
MERCHANT, SAHIL N. 3,211,662
MERCHANT, SAHIL N. 3,211,824
MERCOULIA, KAROLINA 3,211,981
MICHALKO, KELLY 3,212,302
MILLER, JOSEPH HENRY 3,212,243
MILLER, JOSEPH HENRY 3,212,334
MILLER, LAUREN C. 3,211,770
MONKMAN, GEORGE SEAN 3,212,028
MONTAUK AG RENEWABLES, LLC 3,212,142
MONTOYA, CODY 3,211,886
MOORE, GREGORY 3,211,863
MORRIS, GARY A. 3,211,813
MUNETSUGU, HIROYUKI 3,212,021
MURRAY, BRIAN JEREMIAH 3,212,560
MYERS, BRENT A. 3,211,663
MYERS, JERE W. 3,212,588
NAHRWOLD, ELISABETH 3,212,157
NATHANI, RAMIZ IQBAL 3,212,147
NEALE, PAUL 3,211,794
NEBOSKY, PAUL S. 3,212,484
NEWTON, CHRISTOPHER 3,212,677
NIKE INNOVATE C.V. 3,212,036
NORTEK SECURITY & CONTROL LLC 3,212,176
NORWOOD INDUSTRIES INC. 3,211,815
NOVELIS INC. 3,211,488
NOVELIS INC. 3,211,514
NU FLOW TECHNOLOGIES 2000 INC. 3,212,242
NU FLOW TECHNOLOGIES 2000 INC. 3,212,247
O'BRYAN, JEFF 3,212,438
OATES, MICHAEL JOHN 3,212,479
ODUEYUNGBO, SEYI A. 3,212,718
OHI, YUKI 3,212,301
OLESKE, PETER J. 3,212,588
ORIARAN, TAIYE PHILIPS 3,212,243
ORIARAN, TAIYE PHILIPS 3,212,334
OTSUKA PHARMACEUTICAL CO., LTD. 3,212,191
OXFORD NANOPORE TECHNOLOGIES PLC 3,212,147
PACZEK, LUCAS 3,212,066
PAI, SUBRAI GIRISH 3,211,813
PAL, ANDREW ATTILA 3,211,813
PASI, RICK 3,212,045
PASI, RICK 3,212,048
PENDZIALEK, JOCHEN 3,212,157
PHARES, KENNETH 3,212,313
PIRONDINI, KENNETH 3,211,794

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

POLARIS INDUSTRIES INC. 3,212,376
POLYTARIDIS, NICHOLAS 3,211,813
POWERS, CHRISTOPHER A. 3,212,718
PRALONG, ANTOINE JEAN WILLY 3,211,488
PRALONG, ANTOINE JEAN WILLY 3,211,514
PRICE, DAVID 3,211,770
PRICE, NEIL 3,212,420
PRINCIPE, JOSE C. 3,211,663
PRUITT, JOSEPH 3,212,479
PUPA, PHILIP 3,211,794
PUPA, PHILIP 3,211,813
QUALCOMM INCORPORATED 3,212,539
QUALCOMM INCORPORATED 3,212,764
RAMANAND, PRAKASH VALENTINO 3,211,752
RAMJIAWAN, BRAM 3,212,686
RANALLI, CHRIS 3,212,036
RAOUFINIA, ARASH 3,212,191
RASHID, RUMANA 3,211,863
RAUM, TOBIAS 3,212,157
REDEKER, MARTIN 3,212,142
REIHMAN, ELI 3,211,770
REIHMAN, ELI 3,211,813
REINHARDT, ANDREW 3,211,794
RENGANATHAN, NARENDRAN 3,211,996
REYNOLDS, BRUCE E. 3,212,718
RHEE, WONJONG 3,212,126
RIPPLE LUXEMBOURG S.A. 3,211,904
RISE BUILDINGS, LLC 3,212,390
ROBINS, ALLAN 3,212,301
ROBINSON, BRETT 3,212,066
ROBINSON, DAVID A. 3,211,662
ROBINSON, DAVID A. 3,211,824
RUDISILL, REUBEN C. 3,212,479
SAFRAN LANDING SYSTEMS UK LIMITED 3,212,420
SAMAIN, DANIEL FRANCOIS JEAN MARIE 3,212,070
SAMI, RAZA 3,211,697
SANDBERG, PAUL J. 3,212,028
SARANGAPANI, RAMA KRISHNA 3,212,688
SARANGAPANI, RAMA KRISHNA 3,212,695
SARITA, JANCARLO 3,211,996
SATO, MASAAKI 3,212,021
SAYER, DAVID CHARLES 3,211,981
SCANNELL, MICHAEL 3,212,313
SCHMIDT, ROBERT KYLE 3,212,420
SCHNEIDER, JOSEPH A. 3,211,886
SCHULTZ, THOMAS 3,212,301
SCHUNK, SOFIE 3,211,813
SCHWARTZ, EVAN 3,211,904
SCHWEISS, MICHAEL L. 3,211,712
SEA TO SKY ENERGY SOLUTIONS CORP. 3,212,066
SERES THERAPEUTICS, INC. 3,212,215
SERES THERAPEUTICS, INC. 3,212,772
SHAH, LALIT S. 3,212,718
SHANGHAI NATIONAL ENGINEERING RESEARCH CENTER OF DIGITAL TELEVISION CO., LTD. 3,211,647
SHANGHAI NATIONAL ENGINEERING RESEARCH CENTER OF DIGITAL TELEVISION CO., LTD. 3,212,005
SHARAN, RANGOLI 3,211,982
SHARMA, VIRENDER K. 3,211,817
SHEVGOOR, SIDDARTH 3,212,438
SHI, RUNYU 3,212,162
SIDDELEY, EDWARD 3,212,581
SIMPSON, PETER C. 3,211,794
SIMPSON, PETER C. 3,211,813
SINGH, PRATIK RAJ 3,212,147
SLUSAR, MARK V. 3,212,030
SMED-TA/TD, LLC 3,212,484
SMITH, DANIEL 3,211,813
SON, CHANGOOK 3,211,488
SON, CHANGOOK 3,211,514
SONY CORPORATION 3,212,162
SORREL QUARTERS, LLC 3,211,712
SPINAL ELEMENTS, INC. 3,212,677
SPRINGER, BRIAN L. 3,212,588
STALCUP, GREGORY C. 3,212,484
STAUB, ANDREA J. 3,212,036
STEFANSKI, MARK D. 3,211,982
STEINMETZ, GORDON J. 3,212,376
STEWART, JEFFREY 3,211,770
STONEAGE, INC. 3,211,886
STORMWATER360 GROUP LIMITED 3,211,898
STOY, JAMES R. 3,212,718
SUTTON, JEFFREY KARL 3,211,996
SYNERZ MEDICAL, INC. 3,211,817
SZABO, DANIEL 3,211,886
SZE, DANIEL HUE MING 3,212,243
SZE, DANIEL HUE MING 3,212,334
SZOKE, SIMON 3,212,066
TECHFIELDS PHARMA CO., LTD. 3,212,170
TEHRANI, ARDAVAN MALEKI 3,212,126
TEMPORAO, JOSEPH ANTONIO JOSE 3,212,177
TERRY, WARREN 3,211,794
THOMAS, STEFAN 3,211,904
TRAINER, LAWRENCE 3,212,438
TRANSLATE BIO, INC. 3,211,902
UNITED THERAPEUTICS CORPORATION 3,212,313
VAN DORE, JONATHAN P. 3,212,588
VANDERHEYDEN, DANIEL 3,211,815
VANSLYKE, STEPHEN J. 3,211,813
VARGAS, VICTOR 3,211,697
VAUGHAN, HEIDI 3,212,036
VELANO VASCULAR, INC. 3,212,331
VERNAU, G. DOUGLAS 3,212,588
VIACYTE, INC. 3,212,301
VON MALTZAHN, GEOFFREY 3,212,215
VON MALTZAHN, GEOFFREY 3,212,772
WADA, KOJI 3,212,021
WAGSTAFF, ROBERT BRUCE 3,211,488
WAGSTAFF, ROBERT BRUCE 3,211,514
WALKER, TOMAS C. 3,211,813
WANG, XIAOFENG 3,212,191
WANG, YANLIN 3,212,191
WELLS, MARIA 3,211,794
WEST, BENJAMIN ELROD 3,211,813
WIEDEBACK, DANIEL 3,211,770
WILEY, ATIIM 3,211,813
WIMMER, JASON P. 3,212,176
WOLF, MICHAEL 3,211,996
WONDERLAND SWITZERLAND AG 3,211,653
WOOD, NEIL ROGER 3,212,147
WRIGHT, DAVID SKINGLEY 3,211,488
WRIGHT, DAVID SKINGLEY 3,211,514
XENCOR, INC. 3,211,863
XING, GUANBIN 3,211,647
XING, GUANBIN 3,212,005
XU, HAO 3,212,539
XU, HAO 3,212,764
XU, HONGLIANG 3,211,647
XU, HONGLIANG 3,212,005
XU, LINA 3,212,170
YAMAMOTO, YUKI 3,212,162
YELUNDUR, RAMA RAU 3,212,909
YEOMAN, GREGORY PAUL 3,211,898
YOUNG, STEPHEN ROBERT 3,212,147
YU, CHONGXI 3,212,170
YUN, SUNGHO 3,212,126
ZAMANAKOS, GEORGIOS 3,211,770
ZARTH, ADAM T. 3,212,688
ZARTH, ADAM T. 3,212,695
ZELL, GRAHAM 3,212,066
ZELL, PETER 3,212,066
ZHANG, WENJUN 3,211,647
ZHANG, WENJUN 3,212,005
ZIMMERMAN, SARAH L. 3,212,484
ZOCCHI, MICHAEL 3,211,996