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Canada

CIPO OPIC

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 26

Canadian Applications Open to Public Inspection
Demandes canadiennes mises à la disponibilité du public.....132

PCT Applications Entering the National Phase
Demandes PCT entrant en phase nationale 146

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 208

Index of Canadian Patents Issued
Index des brevets canadiens délivrés 216

Index of Canadian Applications Open to Public Inspection
Index des demandes canadiennes mises à la disponibilité du public 234

Index of PCT Applications Entering the National Phase
Index des demandes PCT entrant en phase nationale 237

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 249

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:

2,943,700
2,944,248 (Published May 31, 2022)
2,954,930 (Published June 14, 2022)

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 :

2,943,700
2,944,248 (Publié le 31 mai 2022)
2,954,930 (Publié le 14 juin 2022)

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

Notices

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.

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

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. 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 July 19, 2022 contains applications open to public inspection from July 3, 2022 to July 9, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 19 juillet 2022 contient les demandes disponibles au public pour consultation pour la période du 3 juillet 2022 au 9 juillet 2022.

16. Erratum

All information respecting patent application number 3, 150, 471 referred to under the section *Canadian Applications Open to Public Inspection* contained in the Vol. 150 No. 13 March 29, 2022 issue of the *Canadian Patent Office Record* was erroneously published, and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3, 150, 471 sous la rubrique *Demandes canadiennes mises à la disponibilité* du publique dans le numéro Vol. 150 No. 13, 29 mars 2022 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

July 19, 2022

Brevets canadiens délivrés

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[54] **ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDES, AND METHODS OF USING SAME FOR INCREASING NITROGEN USE EFFICIENCY, YIELD, GROWTH RATE, VIGOR, BIOMASS, OIL CONTENT, AND/OR ABIOTIC STRESS TOLERANCE**
[54] **POLYNUCLEOTIDES ET POLYPEPTIDES ISOLES, ET PROCEDES LES UTILISANT POUR AUGMENTER L'EFFICACITE D'UTILISATION DE L'AZOTE, LE RENDEMENT, LA VITESSE DE CROISSANCE, LA VIGUEUR, LA BIOM ASSE, LA TENEUR D'HUILE, ET/OU LA TOLERANCE AUX STRESS ABIOTIQUES**
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[54] **BIO-COMPATIBLE CATHETER COMPRISING A TITANIUM SURFACE**
[54] **CATHETER BIOCOMPATIBLE COMPORTANT UNE SURFACE EN TITANE**
[72] KERR, MARSHALL, US
[73] PFM MEDICAL, INC., US
[85] 2014-02-26
[86] 2012-08-27 (PCT/US2012/052531)
[87] (WO2013/033023)
[30] US (61/528,060) 2011-08-26
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[25] EN
[54] **PROBE:ANTIPROBE COMPOSITIONS FOR HIGH SPECIFICITY DNA OR RNA DETECTION**
[54] **COMPOSITIONS SONDE: ANTI-SONDE POUR UNE DETECTION D'ADN OU D'ARN A SPECIFICITE ELEVEE**
[72] SHAFER, DAVID A., US
[73] SHAFER, DAVID A., US
[85] 2014-03-17
[86] 2012-09-14 (PCT/US2012/055620)
[87] (WO2013/040491)
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[51] **Int.Cl. A47K 5/12 (2006.01) B67D 7/06 (2010.01)**
[25] EN
[54] **SOLAR POWERED DISPENSER SYSTEM**
[54] **MECANISME DE DISTRIBUTION ALIMENTE A L'ENERGIE SOLAIRE**
[72] OPHARDT, HEINER, CH
[72] JONES, ANDREW, CA
[73] OP-HYGIENE IP GMBH, CH
[86] (2850835)
[87] (2850835)
[22] 2014-05-01

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[51] **Int.Cl. C07K 14/195 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 9/22 (2006.01) C12N 15/09 (2006.01) C12N 15/31 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/90 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **MODIFIED DNA-BINDING PROTEINS AND USES THEREOF**
[54] **PROTEINES DE LIAISON D'ADN MODIFIEES ET UTILISATIONS DE CELLES-CI**
[72] GREGORY, PHILIP D., US
[72] MILLER, JEFFREY C., US
[72] PASCHON, DAVID, US
[72] REBAR, EDWARD J., US
[72] TAN, SIYUAN, US
[72] URNOV, FYODOR, US
[72] ZHANG, LEI, US
[73] SANGAMO THERAPEUTICS, INC., US
[85] 2014-05-06
[86] 2012-11-16 (PCT/US2012/065634)
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[30] US (61/560,630) 2011-11-16
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[51] **Int.Cl. B60P 1/64 (2006.01) B62D 53/04 (2006.01) B65G 67/02 (2006.01)**
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[54] **MODULAR MOVING SYSTEM AND APPARATUS**
[54] **SYSTEME ET APPAREIL DE DEMENAGEMENT MODULAIRE**
[72] BUDD, DAVID S., US
[72] GIBSON, DONALD L., JR., US
[72] GAUNTT, GEORGE, US
[72] STEWART, SCOTT, US
[72] PATRICK, KEVIN, US
[72] SHEARER, RON, US
[73] MAGNA VAN DEVELOPMENT COMPANY, LLC, US
[86] (2856256)
[87] (2856256)
[22] 2014-07-08
[30] US (61/844,017) 2013-07-09
[30] US (14/322,337) 2014-07-02

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[13] C
[51] **Int.Cl. G06F 3/042 (2006.01)**
[25] EN
[54] **OPERATING A DEVICE USING TOUCHLESS AND TOUCHSCREEN GESTURES**
[54] **FONTIONNEMENT D'UN DISPOSITIF A L'AIDE DE GESTES NON TACTILES ET DE GESTES TACTILES**
[72] MANKOWSKI, PETER, CA
[72] CACI, JOSEPH, CA
[72] WU, XIAOWEI, CA
[73] BLACKBERRY LIMITED, CA
[86] (2856430)
[87] (2856430)
[22] 2014-07-09
[30] EP (13175807.0) 2013-07-09

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[51] **Int.Cl. E06B 9/38 (2006.01) E06B 9/262 (2006.01)**
[25] EN
[54] **HANDLE AND BRAKE ARRANGEMENT FOR A COVERING FOR ARCHITECTURAL OPENINGS**
[54] **POIGNEE ET DISPOSITIF DE FREINAGE POUR UN REVETEMENT D'OUVERTURES ARCHITECTURALES**
[72] ANDERSON, RICHARD N., US
[72] THOMPSON, EUGENE W., US
[72] FISHER, ROBERT E., II, US
[73] HUNTER DOUGLAS INC., US
[86] (2856890)
[87] (2856890)
[22] 2014-07-15
[30] US (61/847,117) 2013-07-17
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[25] EN
[54] **PUMP CONTROL SYSTEM HAVING EMERGENCY RUN MODE**
[54] **SYSTEME DE COMMANDE DE POMPE COMPORTANT UN MODE DE MARCHE D'URGENCE**
[72] KOCHAN, JOHN R., JR., US
[73] METROPOLITAN INDUSTRIES, INC., US
[86] (2858672)
[87] (2858672)
[22] 2014-08-07
[30] US (61/863,138) 2013-08-07
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[51] **Int.Cl. F02K 1/46 (2006.01) F01D 25/24 (2006.01) F02K 1/38 (2006.01)**
[25] EN
[54] **INTEGRATED TURBINE EXHAUST STRUTS AND MIXER OF TURBOFAN ENGINE**
[54] **MONTANTS D'ECHAPPEMENT DE TURBINE ET MELANGEUR DE TURBOREACTEUR A DOUBLE FLUX INTEGRES**
[72] CUNNINGHAM, MARK HUZZARD, CA
[72] VLASIC, EDWARD, CA
[72] GIRGIS, SAMI, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2860326)
[87] (2860326)
[22] 2014-08-25
[30] US (61/879,723) 2013-09-19
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[51] **Int.Cl. F01D 25/18 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **OIL TANK AND SCAVENGE PIPE ASSEMBLY OF A GAS TURBINE ENGINE AND METHOD OF DELIVERING AN OIL AND AIR MIXTURE TO SAME**
[54] **RESERVOIR D'HUILE ET ENSEMBLE TUYAU D'EVACUATION D'UNE TURBINE A GAZ ET PROCEDE D'ALIMENTATION DE CE DERNIER AVEC UN MELANGE D'HUILE ET D'AIR**
[72] CUTRARA, SAM, CA
[72] ALECU, DANIEL, CA
[72] THIVIERGE, PATRICK, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2861179)
[87] (2861179)
[22] 2014-08-25
[30] US (14/136,686) 2013-12-20

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[25] EN
[54] **SOYBEAN VARIETY XB007G13**
[54] **VARIETE DE SOYA XB007G13**
[72] GOBLIRSCH, CHRISTOPHER, US
[73] MONSANTO TECHNOLOGY LLC, US
[86] (2861217)
[87] (2861217)
[22] 2014-08-28
[30] US (61/871,486) 2013-08-29

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[13] C
[51] **Int.Cl. G06Q 10/04 (2012.01) G06Q 30/02 (2012.01) G06Q 40/06 (2012.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR GENERATING CORPORATE GREEN SCORE USING SOCIAL MEDIA SOURCED DATA AND SENTIMENT ANALYSIS**
[54] **PROCEDES ET SYSTEMES POUR GENERER UN SCORE ECOLOGIQUE D'ENTREPRISE A L'AIDE DE DONNEES PROVENANT DE MEDIAS SOCIAUX ET D'UNE ANALYSE DE SENTIMENT**
[72] ANDREWS, SARAH L., US
[72] DAM, PEENAKI, US
[72] FRENNET, DAMIEN, US
[72] CHAUDHURI, SUMMIT, US
[72] RODRIGUEZ, RICARDO, US
[72] GANAPAM, ASHOK, US
[72] SCHILDER, FRANK, US
[72] LEIDNER, JOCHEN LOTHAR, CH
[73] FINANCIAL & RISK ORGANISATION LIMITED, GB
[85] 2014-06-27
[86] 2012-12-26 (PCT/US2012/071626)
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[25] EN
[54] **MAINTAINABLE SOIL DRAIN**
[54] **CANALISATION D'EVACUATION APTE A L'ENTRETIEN**
[72] WHITE, DAVID J., US
[73] GEOQORE, LLC, US
[86] (2862577)
[87] (2862577)
[22] 2014-09-09
[30] US (61/875,280) 2013-09-09

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[13] C
[51] **Int.Cl. H02J 7/00 (2006.01) G01B 7/02 (2006.01) H01M 10/44 (2006.01) G01B 11/02 (2006.01)**
[25] EN
[54] **BATTERY HARVESTER**
[54] **RECUPERATEUR D'ENERGIE DE BATTERIE**
[72] FORD, TIMOTHY D.F., CA
[73] 9609385 CANADA INC., CA
[86] (2862591)
[87] (2862591)
[22] 2014-09-10
[30] US (61/875,767) 2013-09-10
[30] US (61/881,515) 2013-09-24

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[25] EN
[54] **TRIALKYL CATIONIC LIPIDS AND METHODS OF USE THEREOF**
[54] **LIPIDES CATIONIQUES TRIALKYLES ET LEURS PROCEDES D'UTILISATION**
[72] HEYES, JAMES, CA
[72] WOOD, MARK, CA
[72] MARTIN, ALAN, CA
[73] ARBUTUS BIOPHARMA CORPORATION, CA
[85] 2014-08-22
[86] 2013-02-22 (PCT/US2013/027469)
[87] (WO2013/126803)
[30] US (61/602,990) 2012-02-24

[11] **2,866,634**
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[51] **Int.Cl. C07K 16/06 (2006.01) A61K 39/395 (2006.01) A61P 31/04 (2006.01) C07K 14/435 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING SECRETORY-LIKE IMMUNOGLOBULINS**
[54] **COMPOSITIONS COMPRENANT DES IMMUNOGLOBULINES DE TYPE SECRETOIRE**
[72] CORTHESY, BLAISE, CH
[72] LONGET, STEPHANIE, IE
[72] LOETSCHER, MARIUS, CH
[72] MIESCHER, SYLVIA, CH
[72] ZUERCHER, ADRIAN, CH
[73] CSL BEHRING AG, CH
[85] 2014-08-28
[86] 2013-03-08 (PCT/EP2013/054697)
[87] (WO2013/132052)
[30] EP (12158931.1) 2012-03-09
[30] EP (12168343.7) 2012-05-16

[11] **2,867,887**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/04 (2012.01)**
[25] EN
[54] **METHOD, SYSTEM AND APPARATUS FOR GENERATION OF LOT CODES AND EXPIRY DATES**
[54] **PROCEDE, SYSTEME ET APPAREIL DE GENERATION DE CODES DE LOTS ET DATES D'EXPIRATION**
[72] WONG, KEVIN NELSON, CA
[72] KIRBY, SEAN SEBASTIAN, CA
[72] YUEN, JASON A., CA
[72] HUSSAINI, SYED AHMED, CA
[72] SAVKIN, VICTOR, CA
[72] YAJOURI, MOHANAD, CA
[73] NULOGY CORPORATION, CA
[85] 2014-09-19
[86] 2013-03-22 (PCT/CA2013/000276)
[87] (WO2013/138917)
[30] US (61/614,676) 2012-03-23
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[51] **Int.Cl. H04L 67/10 (2022.01) G06Q 10/10 (2012.01) H04L 67/60 (2022.01) H04L 12/16 (2006.01) H04L 67/306 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISTRIBUTION AND CONSUMPTION OF CONTENT**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION ET DE CONSOMMATION DE CONTENU**
[72] LIVINGSTON, BLAIR, CA
[73] QUANTIFY LABS, INC., CA
[86] (2869233)
[87] (2869233)
[22] 2014-10-30
[30] US (61/898909) 2013-11-01

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[54] **IGNITOR**
[54] **DISPOSITIF D'ALLUMAGE**
[72] RAJEWSKI, ROBERT C., CA
[73] PRISM INTEGRATED SOLUTIONS INC., CA
[86] (2869598)
[87] (2869598)
[22] 2014-10-27

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[13] C
[51] **Int.Cl. H01M 8/04 (2016.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING FUEL CELL MODULE COMPRISING HYDROGEN RECIRCULATION**
[54] **SYSTEME ET PROCEDE DE CONTROLE DE MODULE DE PILE A COMBUSTIBLE**
[72] FORTE, PAOLO, CA
[73] HYDROGENICS CORPORATION, CA
[85] 2014-11-03
[86] 2013-05-03 (PCT/CA2013/050345)
[87] (WO2013/163765)
[30] US (61/642,846) 2012-05-04
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[51] **Int.Cl. H03H 7/01 (2006.01) G01N 27/622 (2021.01)**
[25] EN
[54] **COMPACT HIGH VOLTAGE RF GENERATOR USING A SELF-RESONANT INDUCTOR**
[54] **GENERATEUR RF HAUTE TENSION COMPACT UTILISANT UNE BOBINE D'INDUCTION A RESONANCE PROPRE**
[72] HILEY, ALEX PAUL, GB
[73] SMITHS DETECTION - WATFORD LIMITED, GB
[85] 2014-11-13
[86] 2013-05-15 (PCT/GB2013/051253)
[87] (WO2013/171488)
[30] US (61/647,143) 2012-05-15

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[25] EN
[54] **METHOD AND SYSTEM FOR COMMUNICATION BETWEEN A MONITORING CLIENT AND A BASE**
[54] **PROCEDE ET SYSTEME DE COMMUNICATION ENTRE UN CLIENT DE SURVEILLANCE ET UNE BASE**
[72] BALLANTYNE, TODD A., US
[72] YEE, BRIAN K., US
[72] WILT, MICHAEL J., US
[72] ROSSE, JONATHAN P., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2014-11-20
[86] 2013-05-23 (PCT/US2013/042350)
[87] (WO2013/177357)
[30] US (61/651,322) 2012-05-24
[30] US (13/480,444) 2012-05-24
[30] US (PCT/US2012/000257) 2012-05-24

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[51] **Int.Cl. A41D 15/04 (2006.01) A45F 4/00 (2006.01) A47G 9/08 (2006.01)**
[25] EN
[54] **ARTICLE OF APPAREL CONVERTIBLE TO A SLEEPING BAG**
[54] **ARTICLE VESTIMENTAIRE CONVERTIBLE EN SAC DE COUCHAGE**
[72] REUBEN, RONIE, CA
[73] REUBEN, RONIE, CA
[86] (2874644)
[87] (2874644)
[22] 2014-12-12

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[51] **Int.Cl. B64D 29/00 (2006.01) B64D 33/10 (2006.01)**
[25] FR
[54] **CASING FOR A PROPULSION ASSEMBLY**
[54] **CARTER POUR UN ENSEMBLE PROPULSIF**
[72] FERT, JEREMY EDMOND, FR
[72] PAVILLET, JULIEN, FR
[73] SNECMA, FR
[86] (2875044)
[87] (2875044)
[22] 2014-12-11
[30] FR (FR1362957) 2013-12-19

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[51] **Int.Cl. G07F 17/32 (2006.01) A63F 13/428 (2014.01) A63F 13/52 (2014.01)**
[25] EN
[54] **ENHANCED GAMING MACHINE WITH INTERACTIVE THREE DIMENSIONAL GAME ENVIRONMENT**
[54] **MACHINE DE JEU AMELIOREE OFFRANT UN ENVIRONNEMENT DE JEU INTERACTIF EN TROIS DIMENSIONS**
[72] LEBLANC, VICKY, CA
[72] DUPUIS, REUBEN, CA
[73] IGT CANADA SOLUTIONS ULC, CA
[86] (2875159)
[87] (2875159)
[22] 2014-12-15

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[13] C
[51] **Int.Cl. H04H 60/50 (2009.01) H04N 21/65 (2011.01) H04B 7/19 (2006.01) H04N 7/20 (2006.01)**
[25] EN
[54] **LOCATION PROFILING**
[54] **PROFILAGE DE POSITION**
[72] SWENSON, ERIK JOSEPH, US
[73] DISH TECHNOLOGIES L.L.C., US
[86] (2876479)
[87] (2876479)
[22] 2014-12-23
[30] US (61/921925) 2013-12-30
[30] US (14/532398) 2014-11-04

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[13] C
[51] **Int.Cl. C10G 9/36 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING OLEFINS BY THERMAL STEAMCRACKING**
[54] **PROCEDE DE FABRICATION D'OLEFINES PAR CRAQUAGE THERMIQUE A LA VAPEUR D'EAU**
[72] SCHMIDT, GUNTHER, DE
[72] FRITZ, HELMUT, DE
[72] WALTER, STEFANIE, DE
[73] LINDE GMBH, DE
[85] 2014-12-18
[86] 2013-08-06 (PCT/EP2013/002348)
[87] (WO2014/023418)
[30] EP (12005783.1) 2012-08-09

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[51] **Int.Cl. G01N 33/53 (2006.01) C07D 333/24 (2006.01) C12Q 1/04 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **CARBOHYDRATE DETECTION**
[54] **DETECTION DE CARBOHYDRATE**
[72] RICHTER DAHLFORS, AGNETA, SE
[72] CHOONG, XIANKENG, SE
[73] RICHTER LIFE SCIENCE DEVELOPMENT AB, SE
[85] 2014-12-19
[86] 2013-06-27 (PCT/SE2013/050810)
[87] (WO2014/007730)
[30] SE (1250751-3) 2012-07-02

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[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **OPTIMIZATION OF ANTIBODIES THAT BIND LYMPHOCYTE ACTIVATION GENE-3 (LAG-3), AND USES THEREOF**
[54] **OPTIMISATION D'ANTICORPS SE LIANT A LA PROTEINE LAG-3 EXPRIMEE PAR LE GENE 3 D'ACTIVATION DES LYMPHOCYTES, ET LEURS UTILISATIONS**
[72] LONBERG, NILS, US
[72] SRINIVASAN, MOHAN, US
[73] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2014-12-22
[86] 2013-07-02 (PCT/US2013/048999)
[87] (WO2014/008218)
[30] US (61/667,058) 2012-07-02

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[13] C
[51] **Int.Cl. H01M 50/426 (2021.01) H01M 10/0525 (2010.01) H01M 10/058 (2010.01) H01M 50/46 (2021.01)**
[25] EN
[54] **FLUOROPOLYMER INTEGRATED ELECTRODE SEPARATOR ASSEMBLIES FOR LITHIUM ION BATTERIES**
[54] **ASSEMBLAGES DE SEPARATEURS D'ELECTRODES INTEGRES FLUOROPOLYMERE POUR DESBATTERIES AU LITHIUM-ION**
[72] SCHMIDHAUSER, JOHN, US
[72] GAROURY, SCOTT, US
[72] AMIN-SANAYEI, RAMIN, US
[72] ROGER, CHRISTOPHE, US
[72] HE, WENSHENG, US
[72] HEINZE, ROSEMARY, US
[73] ARKEMA INC., US
[85] 2014-12-24
[86] 2013-11-01 (PCT/US2013/067991)
[87] (WO2014/071144)
[30] US (61/721,593) 2012-11-02

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[13] C
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 7/01 (2006.01) C12N 15/11 (2006.01) C12N 15/34 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **MODIFIED ADENO-ASSOCIATED VIRUS VECTOR COMPOSITIONS**
[54] **COMPOSITIONS DE VECTEUR VIRAL ADENO-ASSOCIE MODIFIEES**
[72] DAVIDSON, BEVERLY L., US
[72] SCHEEL, MARIA, US
[72] BOUDREAU, RYAN, US
[72] MONTEYS, ALEJANDRO MAS, US
[73] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US
[85] 2015-01-05
[86] 2013-03-14 (PCT/US2013/031644)
[87] (WO2014/007858)
[30] US (61/668,839) 2012-07-06

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[13] C
[51] **Int.Cl. H02J 3/16 (2006.01) F03D 7/04 (2006.01) H02J 3/26 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A WIND PARK**
[54] **PROCEDE DE COMMANDE D'UN PARC EOLIEN**
[72] DIEDRICHS, VOLKER, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2015-01-13
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[87] (WO2014/012789)
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[54] **AFFINITY SUPPORT AND METHOD FOR TRAPPING SUBSTANCE USING THE SAME**
[54] **SUPPORT A AFFINITE ET SON PROCEDE DE PIEGEAGE DE SUBSTANCE**
[72] CAPON, DANIEL J., US
[73] BIOMOLECULAR HOLDINGS LLC, US
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[54] **MAGNETICALLY LEVITATED SPINOUS PROCESS IMPLANT**
[54] **IMPLANT D'APOPHYSE EPINEUSE A LEVITATION MAGNETIQUE**
[72] COOK, STEPHEN D., US
[72] SALKELD, SAMANTHA L., US
[73] GOMBOC, LLC, US
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[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] (2879722)
[87] (2879722)
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[54] **THERMAL REGULATING WELL COMPLETION DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES DE COMPLETION DE PUITS A REGULATION THERMIQUE**
[72] BOYLE, BRUCE, US
[72] MANI, SAIKUMAR, US
[72] VERZWYVELT, DAVID, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[86] (2880115)
[87] (2880115)
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[25] EN
[54] **THREE/FOUR DIMENSIONAL DATA MANAGEMENT AND IMAGING FOR BIG OILFIELD DATA**
[54] **GESTION DE DONNEES EN TROIS OU QUATRE DIMENSIONS ET IMAGERIE POUR GRAND LOT DE DONNEES D'EXPLOITATION PETROLIERE**
[72] GUNTURU, SASHI B., US
[72] MORGAN, DANIEL H., US
[73] PETRABYTES, INC., US
[86] (2882634)
[87] (2882634)
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[25] EN
[54] **REAR IMPACT GUARD**
[54] **PROTECTEUR D'IMPACT ARRIERE**
[72] WYLEZINSKI, ANDRZEJ, US
[72] BELCHER, BRIAN C., US
[73] WABASH NATIONAL, L.P., US
[86] (2884516)
[87] (2884516)
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[51] **Int.Cl. A61L 27/36 (2006.01) A61F 2/24 (2006.01) A01N 1/00 (2006.01) C08J 3/24 (2006.01)**
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[54] **METHOD FOR THE PREPARATION OF BIOLOGICAL TISSUE FOR DRY USE IN AN IMPLANT**
[54] **PROCEDE DE PREPARATION DE TISSU BIOLOGIQUE EN VUE D'UNE UTILISATION A SEC DANS UN IMPLANT**
[72] LEHENBERGER, NINA, DE
[72] RZANY, ALEXANDER, DE
[72] ERDBRUEGGER, WILHELM, DE
[73] BIOTRONIK AG, CH
[86] (2884689)
[87] (2884689)
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[54] **DROP TUBE SEGMENT**
[54] **SEGMENT DE TUBE DE DEPOTAGE**
[72] KUEHN, JUSTIN, US
[72] NELSON, BILL, US
[72] LAUNDRIE, DAVID, US
[72] O'FLAHRITY, MICHAEL, US
[72] BACKHAUS, ERIK, US
[73] FRANKLIN FUELING SYSTEMS, INC., US
[85] 2015-03-12
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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **FC CONTAINING POLYPEPTIDES WITH ALTERED GLYCOSYLATION AND REDUCED EFFECTOR FUNCTION**
[54] **POLYPEPTIDES CONTENANT FC AYANT UNE GLYCOSYLATION MODIFIEE ET UNE FONCTION EFFECTRICE REDUITE**
[72] PAN, CLARK, US
[72] QIU, HUAWEI, US
[73] GENZYME CORPORATION, US
[85] 2015-03-11
[86] 2013-09-12 (PCT/US2013/059481)
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[54] **FIRE SUPRESSION FLOW CONTROL SYSTEM APPARATUS AND SYSTEM**
[54] **APPAREIL DE SYSTEME DE COMMANDE DE DEBIT POUR EXTINCTION D'INCENDIE ET SYSTEME ASSOCIE**
[72] HAGGE, HARLAN, US
[73] KIDDE TECHNOLOGIES, INC., US
[86] (2885112)
[87] (2885112)
[22] 2015-03-16
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[25] EN
[54] **TEST APPARATUS FOR BINAURALLY-COUPLED ACOUSTIC DEVICES**
[54] **APPAREIL D'ESSAI POUR DISPOSITIFS ACOUSTIQUES COUPLES DE MANIERE BINAURALE**
[72] COLE, JOHN W., CA
[72] COLE, WILLIAM A., CA
[72] JONKMAN, JACOBUS A., CA
[72] PIETROBON, JONATHAN M., CA
[73] RHINOMETRICS A/S, DK
[86] (2885980)
[87] (2885980)
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[25] EN
[54] **ENERGY STORAGE MODULE WITH DC VOLTAGE INTERMEDIATE CIRCUIT**
[54] **MODULE D'ACCUMULATION D'ENERGIE POURVU D'UN CIRCUIT INTERMEDIAIRE A TENSION CONTINUE**
[72] VOR DEM ESCHE, RAINER, DE
[72] SCHAFER, CHRISTOPH, DE
[72] TREPPMANN, CHRISTOPH, DE
[73] ENRICHMENT TECHNOLOGY COMPANY LTD., DE
[85] 2015-03-25
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[25] EN
[54] **NEW CONSTRUCT TO MITIGATE POWER SYSTEM OPERATIONAL IMPACTS OF EMERGING "DISRUPTIVE TECHNOLOGIES"**
[54] **NOUVELLE CONSTRUCTION SERVANT A ATTENUER LES IMPACTS FONCTIONNELS SUR LES SYSTEMES ENERGETIQUES DES « TECHNOLOGIES PERTURBATRICES » EMERGENTES**
[72] MOKHTARI, SASAN, US
[72] IPAKCHI, ALI, US
[72] ALBUYEH, FARROKH, US
[72] RAHIMI, ABDOLHOSSEIN AKA FARROKH, US
[72] DANAI, BEHNAM, US
[72] HAGHIGHI, KHASHAYAR, US
[72] SLUTSKER, ILYA, US
[72] HEIM, DAVID, US
[73] OPEN ACCESS TECHNOLOGY INTERNATIONAL, INC., US
[86] (2887172)
[87] (2887172)
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[54] **INTERVERTEBRAL SPACERS**
[54] **ESPACEURS INTERVERTEBRAUX**
[72] CHOKSHI, RAKESH P., US
[73] DEGEN MEDICAL, INC., US
[86] (2887199)
[87] (2887199)
[22] 2015-04-08
[30] US (61/976,792) 2014-04-08
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[25] EN
[54] **VEHICLE FOR COLLECTING, MELTING AND TRANSPORTING SNOW**
[54] **VEHICULE POUR LA COLLECTE, LA FONTE ET LE TRANSPORT DE NEIGE**
[72] FONSECA, ITALO, US
[73] FONSECA, ITALO, US
[86] (2887210)
[87] (2887210)
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[30] US (14/252,470) 2014-04-14

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[51] **Int.Cl. H04L 45/302 (2022.01) H04L 45/02 (2022.01)**
[25] EN
[54] **A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR SECURE PATH SELECTION USING NETWORK RATING**
[54] **UN SYSTEME INFORMATISE ET UNE METHODE PERMETTANT DE SECURISER LA SELECTION D'UN PARCOURS AU MOYEN D'UNE COTE DE RESEAU**
[72] DAS, SHATADRU, IN
[72] VIJAYARANGAN, NATARAJAN, IN
[73] TATA CONSULTANCY SERVICES LIMITED, IN
[86] (2887428)
[87] (2887428)
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[25] EN
[54] **SYSTEMS AND METHODS FOR EVALUATION OF NEUROPATHOLOGIES**
[54] **SYSTEMES ET PROCEDES D'EVALUATION DE NEUROPATHOLOGIES**
[72] COLEMAN, TODD PRENTICE, US
[72] MENDOZA, MARCELA, US
[72] TANTIONGLOC, JUSTIN, US
[72] GIL DA COSTA, RICARDO, US
[72] ALBRIGHT, THOMAS D., US
[72] STONER, GENE, US
[72] FUNG, RAYNARD, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[73] THE SALK INSTITUTE FOR BIOLOGICAL STUDIES, US
[85] 2015-04-13
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[54] **SYSTEM AND METHOD OF OPTIMIZED NETWORK TRAFFIC IN VIDEO SURVEILLANCE SYSTEM**
[54] **SYSTEME ET METHODE DE TRAFIC RESEAU OPTIMISE DANS UN SYSTEME DE SURVEILLANCE VIDEO**
[72] ZHUANG, HANWEI, US
[72] JI, XIEYUAN, US
[72] JIAO, HONGGUANG, US
[72] ZHOU, HAIJIN, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2888573)
[87] (2888573)
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[30] US (14/263,454) 2014-04-28

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[51] **Int.Cl. A61K 38/17 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **RECONSTITUTED HDL FORMULATION**
[54] **FORMULATION DE LIPOPROTEINE DE HAUTE DENSITE (HDL) RECONSTITUEE**
[72] VUCICA, YVONNE, CH
[72] WARREN, GARY LEE, US
[73] CSL LIMITED, AU
[85] 2015-04-28
[86] 2013-10-31 (PCT/AU2013/001260)
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[30] US (61/721,771) 2012-11-02
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[51] **Int.Cl. H01H 9/26 (2006.01) H02J 3/06 (2006.01)**
[25] EN
[54] **MANUAL TRANSFER SWITCH INTERLOCK DEVICE**
[54] **DISPOSITIF DE BLOCAGE DE COMMUTATEUR DE TRANSFERT MANUEL**
[72] LEACH, DOUGLAS D., US
[72] NEWMASTER, DANIEL M., US
[73] MILBANK MANUFACTURING CO., US
[86] (2889856)
[87] (2889856)
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[51] **Int.Cl. G06F 13/14 (2006.01) G06F 13/38 (2006.01) G06K 19/00 (2006.01)**
[25] EN
[54] **SEAMLESS TETHERING SETUP BETWEEN PHONE AND LAPTOP USING PEER-TO-PEER MECHANISMS**
[54] **CONFIGURATION DE PARTAGE DE CONNEXION TRANSPARENT ENTRE UN TELEPHONE ET UN ORDINATEUR PORTABLE AU MOYEN DE MECANISMES D'HOMOLOGUE A HOMOLOGUE**
[72] KUSCHER, ALEXANDER FRIEDRICH, US
[72] WUELLNER, TROND THOMAS, US
[73] GOOGLE LLC, US
[85] 2015-04-29
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[51] **Int.Cl. E04H 4/12 (2006.01) E04H 4/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING WAVES FOR SURFING USING STAGGERED WAVE GENERATORS EXTENDED ALONG A CURVED STAGGER LINE**
[54] **PROCEDE ET APPAREIL DE PRODUCTION DE VAGUES APPROPRIEES POUR LE SURF UTILISANT DE GENERATEURS DE VAGUE ETALEE ETENDUS LE LONG D'UNE LIGNE D'ETALAGE INCURVEE**
[72] LOCHTEFELD, THOMAS J., US
[72] BASTENHOF, DIRK, NL
[73] LOCHTEFELD, THOMAS J., US
[73] BASTENHOF, DIRK, NL
[85] 2015-05-05
[86] 2013-11-07 (PCT/US2013/068853)
[87] (WO2014/074664)
[30] US (61/723,598) 2012-11-07

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[13] C
[51] **Int.Cl. F16J 15/02 (2006.01) F16J 15/447 (2006.01) F23R 3/00 (2006.01)**
[25] EN
[54] **MULTIPLE VENTILATED RAILS FOR SEALING OF COMBUSTOR HEAT SHIELDS**
[54] **RAILS VENTILES MULTIPLES SERVANT A SCELLER LES PROTECTEURS THERMIQUES DE COMBUSTOR**
[72] LEBEL, LARRY, CA
[72] PAPPLE, MICHAEL, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2890425)
[87] (2890425)
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[13] C
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[25] EN
[54] **HIGH DOSE LEVODOPA CAPSULES FOR PULMONARY USE**
[54] **CAPSULES DE LEVODOPA A DOSE ELEVEE POUR UNE UTILISATION PULMONAIRE**
[72] KEE, KEVIN D., US
[72] PENACHIO, ERNEST D., US
[72] KAMERKAR, ABHIJIT, US
[72] LIPP, MICHAEL M., US
[72] BATYCKY, RICHARD P., US
[73] CIVITAS THERAPEUTICS, INC., US
[85] 2015-05-06
[86] 2013-11-08 (PCT/US2013/069102)
[87] (WO2014/074795)
[30] US (61/724,781) 2012-11-09
[30] US (13/679,245) 2012-11-16
[30] US (13/945,160) 2013-07-18
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[25] EN
[54] **ATTENUATED MANNHEIMIA HAEMOLYTICA VACCINES AND METHODS OF MAKING AND USE**
[54] **VACCINS DE MANNHEIMIA HAEMOLYTICA ATTENUES ET PROCEDES DE FABRICATION ET D'UTILISATION**
[72] BEY, RUSSELL F., US
[72] LAWRENCE, PAULRAJ KIRUBAKARAN, US
[72] SIMONSON, RANDY R., US
[73] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC., US
[85] 2015-05-06
[86] 2013-11-08 (PCT/US2013/069144)
[87] (WO2014/074817)
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[25] EN
[54] **CO2 CAPTURE METHODS USING THERMOVIBRIO AMMONIFICANS CARBONIC ANHYDRASE**
[54] **METHODES DE CAPTAGE DE CO2 AU MOYEN D'ANHYDRASE CARBONIQUE AMMONISANT THERMOVIBRIO**
[72] VOYER, NORMAND, CA
[72] DAIGLE, RICHARD, CA
[72] MADORE, ERIC, CA
[72] FRADETTE, SYLVIE, CA
[73] SAIPEM S.P.A., IT
[86] (2890582)
[87] (2890582)
[22] 2015-05-05
[30] US (62/042,472) 2014-08-27

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[13] C
[51] **Int.Cl. C08F 4/16 (2006.01) C08F 4/02 (2006.01) C08F 10/02 (2006.01)**
[25] EN
[54] **PROCESS FOR POLYMERIZATION USING DENSE AND SPHERICAL ZIEGLER-NATTA TYPE CATALYST**
[54] **PROCEDE DE POLYMERISATION AU MOYEN DE CATALYSEUR DE TYPE ZIEGLER-NATTA SPHERIQUE DENSE**
[72] WANG, QINYAN, CA
[72] KONDAGE, SAVINI UDARA SUDUWELI, AU
[72] KELLY, MARK, CA
[72] BALTIMORE, AMY MARIE, CA
[72] LOGAN, JESSAMYN ROSS, CA
[72] CRAIG, TYLER, CA
[73] NOVA CHEMICALS CORPORATION, CA
[86] (2890606)
[87] (2890606)
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[13] C
[51] **Int.Cl. F04B 53/00 (2006.01) E21B 43/12 (2006.01) F04B 47/06 (2006.01) F04B 53/10 (2006.01)**
[25] EN
[54] **METHOD OF SUPPLYING FLUID TO AN ELECTRIC SUBMERSIBLE PUMP**
[54] **METHODE D'APPROVISIONNEMENT DE FLUIDE A UNE POMPE SUBMERSIBLE ELECTRIQUE**
[72] CHALIFOUX, GERALD, CA
[72] JONES, CLINT, CA
[73] PETROSPEC ENGINEERING INC., CA
[86] (2890974)
[87] (2890974)
[22] 2015-05-12

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[13] C
[51] **Int.Cl. B32B 7/10 (2006.01) B32B 27/00 (2006.01)**
[25] FR
[54] **MULTILAYER FILM FOR RESEALABLE PACKAGING WITH IMPROVED RESEALING**
[54] **FILM MULTICOUCHE POUR EMBALLAGE REFERMABLE A REFERMETURE AMELIOREE**
[72] ROBERT, CHRISTOPHE, FR
[72] NOTTEAU, CHRISTOPHE, FR
[72] SALLET, LUDOVIC, FR
[73] BOSTIK SA, FR
[86] (2891167)
[87] (2891167)
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[51] **Int.Cl. A45C 7/00 (2006.01) A45C 5/03 (2006.01) A45C 5/14 (2006.01)**
[25] EN
[54] **EXPANDABLE AND ROTATABLE LUGGAGE**
[54] **BAGAGE EXTENSIBLE ET PIVOTANT**
[72] HOGAN, DONALD, US
[72] RADA, GEORGENE, US
[72] LOVERSO, JESSICA, US
[72] DIERKES, MATTHEW, US
[72] KRULIK, RICHARD, US
[72] KUNG, TSUNG-MING (MIN), US
[73] BRIGGS & RILEY TRAVELWARE LLC, US
[86] (2891573)
[87] (2891573)
[22] 2015-05-07
[30] US (14/273,125) 2014-05-08

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[13] C
[51] **Int.Cl. C07K 7/06 (2006.01) C07K 1/113 (2006.01) C07K 5/10 (2006.01) C07K 7/00 (2006.01) C07K 9/00 (2006.01)**
[25] EN
[54] **IMPROVED PEPTIDE PHARMACEUTICALS**
[54] **AGENTS PHARMACEUTIQUES PEPTIDIQUES AMELIORES**
[72] NESTOR, JOHN J., US
[73] MEDERIS DIABETES, LLC, US
[85] 2015-05-19
[86] 2013-11-20 (PCT/US2013/071067)
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[30] US (61/728,667) 2012-11-20

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[51] **Int.Cl. E21B 49/00 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **ENERGY DEPOSIT DISCOVERY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DECOUVERTE DE GISEMENT D'ENERGIE**
[72] BEREZIN, ALAN BRUCE, US
[72] BIRMINGHAM, JUSTIN REED, US
[72] ROBINSON, MARK, US
[72] SCARPINO, SAMUEL V., US
[72] SIMMONS, JASON WAYNE, US
[72] SMITH, CHRISTOPHER, US
[73] ENVERUS, INC., US
[85] 2015-05-20
[86] 2013-11-19 (PCT/US2013/070838)
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[30] US (13/682,577) 2012-11-20

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[54] **BINDING PROTEINS COMPRISING AT LEAST TWO REPEAT DOMAINS AGAINST HER2.**
[54] **PROTEINES DE LIAISON COMPRENANT AU MOINS DEUX DOMAINES DE REPETITION DIRIGEES CONTRE HER2.**
[72] FIEDLER, ULRIKE, DE
[72] DOLADO, IGNACIO, CH
[72] STROBEL, HEIKE, CH
[73] MOLECULAR PARTNERS AG, CH
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[54] **METHOD FOR SYNCHRONIZING TIME OF INSEMINATION IN GILTS**
[54] **PROCEDE ET COMPOSITION POUR LA SYNCHRONISATION DU MOMENT D'INSEMINATION CHEZ DES TRUIES**
[72] WEBEL, STEPHEN KENT, US
[72] SWANSON, MARK E., US
[72] KRAELING, ROBERT R., US
[72] JOHNSTON, MICHAEL E., US
[73] UNITED-AH II, LLC, US
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[25] EN
[54] **SYSTEMS AND METHODS FOR FACILITATING MEDIA PLAYBACK IN ONLINE AUCTIONS**
[54] **SYSTEMES ET METHODES SERVANT A FACILITER LA LECTURE D'UN SUPPORT LORS D'ENCHERES EN LIGNE**
[72] HUMBLE, MARK, US
[72] ENGE, TREVOR, US
[73] MANHEIM INVESTMENTS, INC., US
[86] (2893244)
[87] (2893244)
[22] 2015-05-29
[30] US (14/296,272) 2014-06-04

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[25] EN
[54] **USE OF TASIMELTEON IN THE TREATMENT OF CIRCADIAN RHYTHM DISORDERS**
[54] **UTILISATION DE TASIMELTEON POUR LE TRAITEMENT DE DESORDRES DU RYTHME CIRCADIEN**
[72] DRESSMAN, MARLENE MICHELLE, US
[72] FENNEY, JOHN JOSEPH, US
[72] LICAMELE, LOUIS WILLIAM, US
[72] POLYMEROPOULOS, MIHAEL H., US
[73] VANDA PHARMACEUTICALS INC., US
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[30] US (61/903,354) 2013-11-12

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[25] EN
[54] **BROADHEAD**
[54] **TETE A LAME**
[72] MIZEK, ROBERT, US
[73] BEAR ARCHERY, INC., US
[86] (2893737)
[87] (2893737)
[22] 2015-06-03
[30] US (62/007,620) 2014-06-04
[30] US (62/024,107) 2014-07-14
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[51] **Int.Cl. B65D 51/24 (2006.01) B65D 25/40 (2006.01)**
[25] EN
[54] **SOUND PRODUCING LIQUID DISPENSERS AND LIQUID POURING DEVICES**
[54] **DISTRIBUTEURS DE LIQUIDE PRODUISANT UN SON ET DISPOSITIFS DE VERSEMENT DE LIQUIDE**
[72] ELLISON, MATTHEW BLAKE, US
[73] GURGLEPOT, INC., US
[86] (2894723)
[87] (2894723)
[22] 2015-06-19
[30] US (14/666,096) 2015-03-23

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[51] **Int.Cl. C10M 173/00 (2006.01) C09K 3/14 (2006.01)**
[25] EN
[54] **POSITIVE FRICTION CONTROL COMPOSITION FOR RAILWAYS**
[54] **COMPOSITION DE CONTROLE POSITIF DU FROTTEMENT POUR VOIES FERREES**
[72] CHIDDICK, KELVIN, US
[72] MEDRANO, ALEJANDRO, US
[72] KRINKER, RANDALL, US
[72] WILSON, KYLE, US
[72] BIRDWELL, DAVID, US
[73] WHITMORE MANUFACTURING, LLC, US
[85] 2015-06-11
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[30] US (61/848,596) 2013-01-07
[30] US (61/850,690) 2013-02-21
[30] US (61/850,923) 2013-02-26
[30] US (61/958,789) 2013-08-06
[30] US (61/962,265) 2013-11-04
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[25] EN
[54] **USE OF ANTISECRETORY FACTOR (AF) IN GLIOBLASTOMA TREATMENT**
[54] **UTILISATION D'UN FACTEUR ANTISECRETOIRE (FA) DANS LE TRAITEMENT DU GLIOBLASTOME**
[72] HANSSON, HANS-ARNE, SE
[73] LANTMANNEN AS-FAKTOR AB, SE
[85] 2015-06-12
[86] 2013-12-20 (PCT/EP2013/077747)
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[25] EN
[54] **SUBSTITUTED PYRIDINE AND PYRAZINE COMPOUNDS AS PDE4 INHIBITORS**
[54] **COMPOSES DE PYRIDINE ET DE PYRAZINE SUBSTITUES EN TANT QU'INHIBITEURS DE LA PDE4**
[72] BOLLU, VENKATAIAH, US
[72] BREITENBUCHER, JAMES, US
[72] KAPLAN, ALAN, US
[72] LEMUS, ROBERT, US
[72] LINDSTROM, ANDREW, US
[72] VICKERS, TROY, US
[72] WILSON, MARK E., US
[72] ZAPF, JAMES, US
[72] WEINHOUSE, MICHAEL I., US
[73] DART NEUROSCIENCE (CAYMAN) LTD., KY
[85] 2015-06-15
[86] 2014-03-06 (PCT/US2014/021426)
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[51] **Int.Cl. B61L 15/00 (2006.01) B61L 25/00 (2006.01)**
[25] EN
[54] **DATA MANAGEMENT SYSTEM AND METHOD FOR A TARGET DEVICE OF A VEHICLE**
[54] **SYSTEME DE GESTION DE DONNEES ET METHODE DESTINEE A UN DISPOSITIF CIBLE D'UN VEHICULE**
[72] KURZ, BRIAN E., US
[73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[86] (2895308)
[87] (2895308)
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[25] EN
[54] **SYSTEM AND METHOD FOR DISPENSING AND SALE OF BULK PRODUCTS**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION ET DE VENTE DE PRODUITS EN VRAC**
[72] ARCAND, MARTIN, CA
[73] INVESTISSEMENTS ARCAND INC., CA
[86] (2895672)
[87] (2895672)
[22] 2015-06-26
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[51] **Int.Cl. G06F 15/16 (2006.01) G06F 11/07 (2006.01)**
[25] EN
[54] **METHODS, DEVICES AND SYSTEMS FOR DYNAMICALLY MANAGING MEMBERSHIPS IN REPLICATED STATE MACHINES WITHIN A DISTRIBUTED COMPUTING ENVIRONMENT**
[54] **GESTION DYNAMIQUE D'AFFILIATIONS DANS DES MACHINES D'ETAT DUPLIQUEES DANS UN ENVIRONNEMENT INFORMATIQUE DISTRIBUE**
[72] AAHLAD, YETURU, US
[72] PARKIN, MICHAEL, US
[72] AKHTAR, NAEEM, US
[73] WANDISCO, INC., US
[85] 2015-06-30
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[51] **Int.Cl. F17D 3/01 (2006.01) F16L 53/38 (2018.01)**
[25] EN
[54] **METHOD FOR CONTROLLING HEATING AND COMMUNICATION IN A PIPELINE SYSTEM**
[54] **METHODE DE CONTROLE DU CHAUFFAGE ET DE LA COMMUNICATION DANS UN RESEAU DE PIPELINES**
[72] KRISTIANSEN, KARSTEIN, NO
[73] SIEMENS ENERGY AS, NO
[86] (2897233)
[87] (2897233)
[22] 2015-07-13
[30] EP (14177116.2) 2014-07-15

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[25] EN
[54] **LOW-SCORCH FLAME-RETARDED POLYURETHANE FOAMS**
[54] **MOUSSES DE POLYURETHANE PREVULCANISEES A COMBUSTION LENTE**
[72] TEBBE, HEIKO, DE
[72] HANSEL, JAN-GERD, DE
[73] LANXESS DEUTSCHLAND GMBH, DE
[86] (2898028)
[87] (2898028)
[22] 2015-07-21
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[25] EN
[54] **METHODS OF SACCHARIFYING AND FERMENTING A CELLULOSIC MATERIAL**
[54] **PROCEDES DE SACCHARIFICATION ET DE FERMENTATION D'UN MATERIAU CELLULOSIQUE**
[72] FRICKMANN, JESPER, US
[72] GASPAR, ARMINDO RIBIERO, US
[72] STEVENS, MARK, US
[72] XU, HUI, US
[72] JOHANSEN, KATJA SALOMON, DK
[73] NOVOZYMES A/S, DK
[85] 2015-07-14
[86] 2014-02-21 (PCT/US2014/017690)
[87] (WO2014/130812)
[30] US (61/767,488) 2013-02-21
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[51] **Int.Cl. A01N 43/40 (2006.01) A01N 43/60 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOSITIONS OF PYRIDINE-2-CARBOXYLIC ACIDS AND ACCASE INHIBITORS**
[54] **COMPOSITIONS HERBICIDES D'ACIDES PYRIDINE-2-CARBOXYLIQUES ET D'INHIBITEURS D'ACCASE**
[72] YERKES, CARLA N., US
[72] SATCHIVI, NORBERT M., US
[72] BANGEL, BRYSTON L., US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2015-07-15
[86] 2014-01-24 (PCT/US2014/012885)
[87] (WO2014/116910)
[30] US (61/756,930) 2013-01-25

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **DEAMORPHIZATION OF SPRAY-DRIED FORMULATIONS VIA SPRAY-BLENDING**
[54] **DESAMORPHISATION DE FORMULATIONS SECHEES PAR PULVERISATION PAR L'INTERMEDIAIRE D'UN MELANGE PAR PULVERISATION**
[72] WEERS, JEFFRY, US
[72] HUANG, DANIEL, US
[72] TARARA, THOMAS, US
[72] MILLER, DANFORTH, US
[73] NOVARTIS AG, CH
[85] 2015-07-20
[86] 2014-03-11 (PCT/IB2014/059632)
[87] (WO2014/141069)
[30] US (61/784,865) 2013-03-14

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[51] **Int.Cl. H01F 41/02 (2006.01) H01F 7/02 (2006.01)**
[25] EN
[54] **NON-LINEAR MULTI-POLE MAGNETIZATION OF FLEXIBLE MAGNETIC SHEETS**
[54] **MAGNETISATION MULTIPOLAIRE NON LINEAIRE DE FEUILLETS MAGNETIQUES SOUPLES**
[72] STOUT, JOSEPH B., US
[72] RUMMER, DOUGLAS WILLIAM, US
[72] ALLEN, DEREK, US
[73] MAGNUM MAGNETICS CORPORATION, US
[86] (2898703)
[87] (2898703)
[22] 2015-07-28
[30] US (14/445,925) 2014-07-29

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[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/055 (2006.01) A61B 6/00 (2006.01) A61B 8/00 (2006.01) A61B 18/04 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMAGING BIOMARKERS INDICATIVE OF CARDIAC THERMAL ABLATION LESIONS**
[54] **SYSTEME ET PROCEDE D'IMAGERIE DE BIOMARQUEURS INDIQUANT DES LESIONS D'ABLATION THERMIQUE CARDIAQUE**
[72] SWAMINATHAN, VENKAT R., CA
[72] CELIK, HAYDAR, CA
[72] WRIGHT, GRAHAM A., CA
[73] SUNNYBROOK RESEARCH INSTITUTE, CA
[85] 2015-07-28
[86] 2014-04-08 (PCT/CA2014/050355)
[87] (WO2014/165990)
[30] US (61/809,521) 2013-04-08

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[51] **Int.Cl. A61K 38/39 (2006.01) C12N 5/0775 (2010.01) A61K 35/28 (2015.01) A61L 27/38 (2006.01) C12N 11/02 (2006.01)**
[25] EN
[54] **CELL REPOPULATED COLLAGEN MATRIX FOR SOFT TISSUE REPAIR AND REGENERATION**
[54] **MATRICE DE COLLAGENE REPEUPLEE DE CELLULES POUR REPARATION ET REGENERATION DES TISSUS MOUS**
[72] SHI, YALING, US
[72] DITTMAN, BRIAN, US
[72] ATKINSON, BRENT, US
[72] STILWELL, REGINALD L., US
[73] ALLOSOURCE, US
[85] 2015-07-29
[86] 2014-03-12 (PCT/US2014/024223)
[87] (WO2014/150784)
[30] US (61/790,412) 2013-03-15

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[13] C
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 34/06 (2006.01) G05D 7/00 (2006.01)**
[25] EN
[54] **A FLOW CONTROL DEVICE AND METHODS FOR THERMAL MOBILIZATION OF HYDROCARBONS**
[54] **UN DISPOSITIF DE CONTROLE D'ECOULEMENT ET DES METHODES DE MOBILISATION THERMIQUE DES HYDROCARBURES**
[72] LETOURNEAU, DAVID MICHAEL, CA
[72] HUGHES, MATTHEW JAMES, CA
[73] ALBERTA FLUX SOLUTIONS LTD., CA
[73] VARIPERM ENERGY SERVICES INC., CA
[86] (2900158)
[87] (2900158)
[22] 2015-08-11

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[13] C
[51] **Int.Cl. C10L 11/06 (2006.01) A47J 37/07 (2006.01) F23Q 13/00 (2006.01)**
[25] EN
[54] **SOLVENTLESS FIRE IGNITION SYSTEMS AND METHODS THEREOF**
[54] **DISPOSITIFS D'ALLUMAGE SANS SOLVANT ET METHODES ASSOCIEES**
[72] URIARTE, RICHARD J., US
[72] OUELLETTE, WILLIAM, US
[72] SKULAN, ANDREW J., US
[72] LEPPLA, ANDREW L., US
[72] FINIGAN, JENNIFER R., US
[72] PETRIN, MICHAEL J., US
[72] MACNAUGHTAN, MARISA, US
[72] MUI, TIMOTHY, US
[72] LEE, ROGER V., US
[73] THE CLOROX COMPANY, US
[86] (2901132)
[87] (2901132)
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[30] US (62/040,239) 2014-08-21
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[25] EN
[54] **SUBMERSIBLE ELECTRICAL CONNECTOR WITH RAIL MOUNTING**
[54] **RACCORD ELECTRIQUE SUBMERSIBLE DOTE D'UN DISPOSITIF DE FIXATION A RAIL**
[72] ARCYKIEWICZ, ROBERT RAYMOND, US
[72] GIFFORD, WILLIAM JOSEPH, US
[73] AMPHENOL CORPORATION, US
[86] (2902611)
[87] (2902611)
[22] 2015-09-01
[30] US (14/741,969) 2015-06-17
[30] US (62/045,930) 2014-09-04

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[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01) G06F 17/18 (2006.01)**
[25] EN
[54] **DUTY BLOCK TIME CONTROL VIA STATISTICAL ANALYSIS**
[54] **COMMANDE DE BLOCAGE DE TEMPS DE TACHE AU MOYEN D'ANALYSE STATISTIQUE**
[72] ROMERO, ALEJANDRO OSWALDO HERNANDEZ, CA
[72] WOICEKOWSKI, MICHAEL J., US
[72] BASANETS, OLEKSANDR, CA
[73] THE BOEING COMPANY, US
[86] (2902690)
[87] (2902690)
[22] 2015-09-01
[30] US (14/630,865) 2015-02-25
[30] US (14/500,447) 2014-09-29
[30] US (14/500,400) 2014-09-29

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[13] C
[51] **Int.Cl. C01B 23/00 (2006.01) B01J 20/18 (2006.01) F25J 3/02 (2006.01) F25J 3/04 (2006.01)**
[25] EN
[54] **ADSORBENT COMPOSITION FOR ARGON PURIFICATION**
[54] **COMPOSITION ADSORBANTE POUR PURIFICATION DE L'ARGON**
[72] BARRETT, PHILIP A., US
[72] PONTONIO, STEVEN J., US
[72] STEPHENSON, NEIL A., US
[72] KECHAGIA, PERSEFONI E., US
[73] PRAXAIR TECHNOLOGY, INC., US
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[86] 2014-02-25 (PCT/US2014/018287)
[87] (WO2014/134030)
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[51] **Int.Cl. H02G 3/04 (2006.01) F16L 3/00 (2006.01)**
[25] EN
[54] **CABLE TRAY SUPPORT**
[54] **SUPPORT DE CHEMIN DE CABLES**
[72] TALLY, BRANDON MICHAEL, US
[72] THOMPSON, STEPHEN NATHANIEL, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2903928)
[87] (2903928)
[22] 2015-09-11
[30] US (14/485,337) 2014-09-12

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[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 37/06 (2006.01) C12N 5/10 (2006.01) C07K 14/74 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR MODIFICATION OF HLA**
[54] **PROCEDES ET COMPOSITIONS POUR MODIFICATION DE HLA**
[72] GREGORY, PHILIP D., US
[72] COOPER, LAURENCE J. N., US
[72] TORIKAI, HIROKI, US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[73] SANGAMO THERAPEUTICS, INC., US
[85] 2015-09-03
[86] 2014-03-12 (PCT/US2014/024660)
[87] (WO2014/165177)
[30] US (61/777,627) 2013-03-12

[11] **2,904,374**
[13] C
[51] **Int.Cl. C07D 239/47 (2006.01) A61K 31/513 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF 4-AMINO-1-((1S,4R,5S)-2-FLUORO-4,5-DIHYDROXY-3-HYDROXYMETHYL-CYCLOPENT-2-ENYL)-1H-PYRIMIDIN-2-ONE**
[54] **PROCEDE POUR LA PREPARATION DE 4-AMINO-1-((1S,4R,5S)-2-FLUORO-4,5-DIHYDROXY-3-HYDROXYMETHYL-CYCLOPENT-2-ENYL)-1H-PYRIMIDIN-2-ONE**
[72] YIN, HAIFENG, CN
[72] KIM, DEOG JOONG, US
[72] FALB, ELIEZER, IL
[72] PEARCEY, LEIGH ANDRE, GB
[72] CUMMINS, JONATHAN, GB
[72] DIETERICH, PETRA, GB
[72] CARNIAUX, JEAN-FRANCOIS, GB
[72] WANG, YI, US
[72] PUROHIT, VIKRAM CHANDRAKANT, US
[73] REXAHN PHARMACEUTICALS, INC., US
[85] 2015-09-04
[86] 2014-03-17 (PCT/US2014/030635)
[87] (WO2014/145807)
[30] US (61/800,475) 2013-03-15

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[13] C
[51] **Int.Cl. A23L 5/10 (2016.01) A47J 27/10 (2006.01) A47J 27/18 (2006.01) A47J 47/18 (2006.01) B65D 81/34 (2006.01)**
[25] EN
[54] **AUTOMATED IMMERSION APPARATUS AND METHOD FOR COOKING MEALS**
[54] **APPAREIL D'IMMERSION AUTOMATISEE ET PROCEDE DE CUISSON D'ALIMENTS**
[72] GAGNON, MARC, CA
[73] GAGNON, MARC, CA
[85] 2015-09-08
[86] 2014-03-10 (PCT/CA2014/000202)
[87] (WO2014/134717)
[30] US (61/774,774) 2013-03-08
[30] US (61/844,594) 2013-07-10
[30] US (61/911,837) 2013-12-04

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[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF DELIVERING PARCELS USING ATTENDED DELIVERY/PICKUP LOCATIONS**
[54] **SYSTEMES ET PROCEDES DE LIVRAISON DE COLIS AU MOYEN DE SITES D'ENLEVEMENT ET DE LIVRAISON DESSERVIS**
[72] LIEVENS, DANIEL, BE
[72] DETHIER, VINCENT, BE
[72] HENDRICKX, PETER, BE
[72] PIRENNE, LUC, BE
[72] PAYRE, DENIS, FR
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2015-09-10
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[87] (WO2014/164811)
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[54] **DETECTION ET ANALYSE DE FRAUDE**
[72] PRIESS, CRAIG, US
[72] SCHRAMM, STEVE, US
[73] GUARDIAN ANALYTICS, INC., US
[85] 2015-09-11
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[25] EN
[54] **ONE-PIECE AIR DATA PROBE**
[54] **SONDE DE DONNEES AERODYNAMIQUES MONOPIECE**
[72] WENTLAND, WILLIAM LOUIS, US
[72] KARLEN, ERIC, US
[72] ANDERSON, MATTHEW P., US
[73] ROSEMOUNT AEROSPACE INC., US
[86] (2906012)
[87] (2906012)
[22] 2015-09-24
[30] US (14/514,462) 2014-10-15

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[25] EN
[54] **GRAPHICAL USER INTERFACE FOR A COMMON INTEREST SOCIAL NETWORK**
[54] **INTERFACE UTILISATEUR GRAPHIQUE POUR UN RESEAU SOCIAL D'INTERET COMMUN**
[72] PIC, MICKAEL, CA
[73] PIC, MICKAEL, CA
[86] (2906270)
[87] (2906270)
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[51] **Int.Cl. A61F 9/008 (2006.01)**
[25] EN
[54] **VARYING A NUMERICAL APERTURE OF A LASER DURING LENS FRAGMENTATION IN CATARACT SURGERY**
[54] **VARIATION D'UNE OUVERTURE NUMERIQUE D'UN LASER PENDANT UNE FRAGMENTATION DE CRISTALLIN LORS D'UNE CHIRURGIE DE LA CATARACTE**
[72] DENNISON, ANTHONY, US
[72] CAMPOS, MICHAEL A., US
[72] FU, HONG, US
[73] AMO DEVELOPMENT, LLC., US
[85] 2015-09-14
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[25] EN
[54] **ULTRASONICALLY CLEANING VESSELS AND PIPES**
[54] **NETTOYAGE PAR ULTRASONS DE RECIPIENTS ET DE TUYAUX**
[72] KANEDA, SOTARO, JP
[72] COLLIN, JEAN E., US
[72] LUSZCZ, JOSHUA M., US
[72] CASAREZ, CHRISTOPHER R., US
[72] KREIDER, MARC A., US
[72] VARRIN, ROBERT D., JR., US
[72] GROSS, DAVID J., US
[73] DOMINION ENGINEERING, INC., US
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[54] **BIDIRECTIONAL FLUID FLOW VALVE AND METHOD**
[54] **VALVE D'ECOULEMENT DE FLUIDE BIDIRECTIONNELLE ET PROCEDE ASSOCIE**
[72] GOWDA, RAJ KRISH, US
[72] LEWIS, DAVID DARWIN, US
[72] ROSENMAYER, DANIEL FRANCIS, US
[73] KAP MEDICAL, US
[85] 2015-09-15
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[54] **METHOD FOR ISSUING AN ASSERTION OF LOCATION**
[54] **PROCEDE DE DELIVRANCE D'UNE ASSERTION DE LOCALISATION**
[72] LEGER, MICHEL, FR
[73] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[85] 2015-09-21
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[25] EN
[54] **POLYPEPTIDE GLYCOSYLATED WITH SIALYLATED SUGAR CHAIN**
[54] **POLYPEPTIDE GLYCOSYLE AVEC CHAINE DE SUCRE SIALYLEE**
[72] OHUCHI, MASAKI, JP
[72] NISHIHARA, MIKA, JP
[72] TEZUKA, KATSUNARI, JP
[72] MAEDA, MASATOSHI, JP
[72] KAJIHARA, YASUHIRO, JP
[72] SAKAMOTO, IZUMI, JP
[73] GLYTECH, INC., JP
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[54] **REAL-TIME SIMULATION OF FLUOROSCOPIC IMAGES**
[54] **SIMULATION EN TEMPS REEL D'IMAGES FLUOROSCOPIQUES**
[72] ZINO, ELIAHU, IL
[72] ZIGELMAN, GIL, IL
[72] ADI, LIAV MOSHE, IL
[73] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[86] (2908279)
[87] (2908279)
[22] 2015-10-13
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[25] EN
[54] **SOAP BAR HAVING ENHANCED ANTIBACTERIAL ACTIVITY**
[54] **BARRE DE SAVON AYANT UNE ACTIVITE ANTIBACTERIENNE AUGMENTEE**
[72] CHANDAR, PREM, US
[72] WU, GUOHUI, US
[72] KUMAR, NITISH, IN
[72] MANTHENA, VAMSI KRISHNA, IN
[72] NAYAK, KALPANA KAMALAKAR, IN
[72] SANZGIRI, VIBHAV RAMRAO, IN
[72] SHILOACH, ANAT, US
[73] UNILEVER GLOBAL IP LIMITED, GB
[85] 2015-10-07
[86] 2014-04-09 (PCT/EP2014/057190)
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[25] EN
[54] **HUMAN ANTIBODIES BINDING TO RSV G PROTEIN**
[54] **ANTICORPS HUMAINS SE LIANT A LA PROTEINE G DU VIRUS RESPIRATOIRE SYNCYTIAL (RSV)**
[72] WADIA, JEHANGIR, US
[72] WILLIAMSON, ROBERT ANTHONY, NL
[72] LANGEDIJK, JOHANNES PETRUS MARIA, NL
[72] PASCUAL, GABRIEL, US
[72] VAN 'T WOUT, ANGELIQUE, NL
[73] JANSSEN VACCINES & PREVENTION B.V., NL
[85] 2015-10-06
[86] 2014-04-14 (PCT/EP2014/057501)
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[25] EN
[54] **REVERSE INTERCHANGING CODING AND DECODING OF LOW DENSITY PARITY CHECK CODEWORDS**
[54] **CODAGE ET DECODAGE A INTERCHANGEMENT RENVERSE DE MOTS CLES DE CONTROLE DE PARITE DE FAIBLE DENSITE**
[72] SHINOHARA, YUJI, JP
[72] MUHAMMAD, NABIL SVEN LOGHIN, JP
[72] MICHAEL, LACHLAN, JP
[72] HIRAYAMA, YUICHI, JP
[72] YAMAMOTO, MAKIKO, JP
[73] SONY CORPORATION, JP
[85] 2015-10-09
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[25] EN
[54] **IMPROVEMENTS IN DETERMINING SUB-SURFACE TEMPERATURE**
[54] **AMELIORATIONS DANS LA DETERMINATION DE TEMPERATURE SOUTERRAINE**
[72] HOKSTAD, KETIL, NO
[73] STATOIL PETROLEUM AS, NO
[85] 2015-10-21
[86] 2013-04-22 (PCT/EP2013/058330)
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[25] EN
[54] **CONTROLLER FOR AUTOMATIC CONTROL OF DUTY CYCLED HVAC&R EQUIPMENT, AND SYSTEMS AND METHODS USING SAME**
[54] **ORGANE DE COMMANDE POUR LA COMMANDE AUTOMATIQUE D'UN EQUIPEMENT DE CVCA ET R A CYCLE DE SERVICE, ET SYSTEMES ET PROCEDES UTILISANT CELUI-CI**
[72] KOLK, RICHARD, US
[73] PACECONTROLS LLC, US
[85] 2015-10-29
[86] 2014-03-14 (PCT/US2014/027152)
[87] (WO2014/152276)
[30] US (61/799,804) 2013-03-15

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[25] EN
[54] **IMAGE RECOGNITION-BASED PAYMENT REQUESTS**
[54] **DEMANDES DE PAIEMENT FONDEES SUR LA RECONNAISSANCE D'IMAGE**
[72] BRISTOW, LORI, CA
[72] CHAN, PAUL MON-WAH, CA
[72] BARNETT, JONATHAN K., CA
[72] DEL VECCHIO, ORIN, CA
[72] VAN HEERDEN, LAUREN, US
[73] THE TORONTO-DOMINION BANK, CA
[86] (2910663)
[87] (2910663)
[22] 2015-10-30
[30] US (14/529,508) 2014-10-31

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[51] **Int.Cl. G01N 21/35 (2014.01)**
[25] EN
[54] **METHOD FOR CHARACTERIZING A PRODUCT BY MEANS OF TOPOLOGICAL SPECTRAL ANALYSIS**
[54] **PROCEDE DE CARACTERISATION D'UN PRODUIT PAR ANALYSE SPECTRALE TOPOLOGIQUE**
[72] LAMBERT, DIDIER, FR
[72] SAINT MARTIN, CLAUDE, FR
[72] SANCHEZ, MIGUEL, FR
[72] RIBERO, BERNARD, FR
[73] TOPNIR SYSTEMS SAS, FR
[85] 2015-10-27
[86] 2014-04-25 (PCT/EP2014/058499)
[87] (WO2014/177472)
[30] EP (13290099.4) 2013-04-30

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[51] **Int.Cl. A61N 1/375 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **MULTI-BRANCH STIMULATION ELECTRODE FOR SUBCUTANEOUS FIELD STIMULATION**
[54] **ELECTRODE DE STIMULATION A PLUSIEURS BRANCHES POUR STIMULATION EN CHAMP SOUS-CUTANE**
[72] SHELTON, BRIAN M., US
[72] HANSEN, MORTEN, US
[73] ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US
[85] 2015-10-29
[86] 2014-05-05 (PCT/US2014/036850)
[87] (WO2014/179811)
[30] US (61/819,441) 2013-05-03

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[25] EN
[54] **VAPORISABLE MATERIAL PLUG AND CAPSULE**
[54] **CAPSULE OU BOUCHON EN MATERIAU VAPORISABLE**
[72] YILMAZ, UGURHAN, DE
[72] JOHAENTGES, THOMAS, DE
[72] SUZUKI, TOSHIFUMI, CH
[73] JT INTERNATIONAL SA, CH
[85] 2015-11-02
[86] 2014-05-02 (PCT/EP2014/058982)
[87] (WO2014/177687)
[30] EP (13166198.5) 2013-05-02

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[51] **Int.Cl. H01H 9/16 (2006.01) H01H 71/04 (2006.01)**
[25] EN
[54] **ELECTRICAL SWITCHING APPARATUS, AND INDICATION ASSEMBLY AND TRIP CAM THEREFOR**
[54] **APPAREIL DE COMMUTATION ELECTRIQUE ET ENSEMBLE D'INDICATEUR ET CAME DE DECLENCHEMENT ASSOCIEE**
[72] GIBSON, JEFFREY SCOTT, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2911301)
[87] (2911301)
[22] 2015-11-04
[30] US (14/558,928) 2014-12-03

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[13] C
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[25] EN
[54] **CIRCUIT BREAKER PANEL INCLUDING REMOTELY OPERATED CIRCUIT BREAKER**
[54] **PANNEAU DE DISJONCTEURS COMPORTANT DES DISJONCTEURS TELECOMMANDES**
[72] OKERMAN, JASON KOHEI ARTHUR, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2911373)
[87] (2911373)
[22] 2015-11-05
[30] US (14/561,589) 2014-12-05

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[51] **Int.Cl. B01J 31/00 (2006.01) B01J 37/00 (2006.01) C07F 7/08 (2006.01) C07F 15/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING COMPOSITIONS COMPRISING STABILIZED PLATINUM COORDINATION COMPLEXES AND USE THEREOF AS CATALYSTS FOR HYDROSILATION**
[54] **PROCEDE POUR FABRIQUER DES COMPOSITES COMPRENANT DES COMPLEXES STABILISES DE COORDINATION DU PLATINE ET LEUR UTILISATION EN TANT QUE CATALYSEURS D'HYDROSILYLATION**
[72] KNOTT, WILFRIED, DE
[72] KLEIN, KLAUS-DIETER, DE
[72] DUDZIK, HORST, DE
[73] EVONIK OPERATIONS GMBH, DE
[86] (2911823)
[87] (2911823)
[22] 2015-11-12
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[25] EN
[54] **DUAL VOLTAGE CHARGING SYSTEM WITH AN INTEGRATED ACTIVE FILTER AUXILIARY POWER MODULE**
[54] **APPAREIL DE CHARGE DOUBLE TENSION DOTE D'UN MODULE D'ALIMENTATION AUXILIAIRE A FILTRE ACTIF INTEGRE**
[72] HOU, RUOYU, CA
[72] EMADI, ALI, CA
[73] ENEDYM INC., CA
[86] (2911984)
[87] (2911984)
[22] 2015-11-13
[30] US (62/115,694) 2015-02-13
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[51] **Int.Cl. G01N 27/403 (2006.01) B01L 3/00 (2006.01) G01N 27/30 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A PLURALITY OF MEASUREMENT REGIONS ON A CHIP, AND CHIP WITH MEASUREMENT REGIONS**
[54] **PROCECE POUR PRODUIRE UNE PLURALITE DE ZONES DE MESURE SUR UNE PUCE ET PUCE POURVUE DE ZONES DE MESURE**
[72] SCHIEBER, MARKUS, DE
[72] SCHOEDER, HEINZ, DE
[73] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2015-11-10
[86] 2014-05-30 (PCT/EP2014/001462)
[87] (WO2014/191114)
[30] DE (10 2013 210 138.4) 2013-05-30

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[25] EN
[54] **A PROCESS FOR FERMENTING CO-CONTAINING GASEOUS SUBSTRATES IN A LOW PHOSPHATE MEDIUM EFFECTIVE FOR REDUCING WATER USAGE**
[54] **PROCEDE DE FERMENTATION DE SUBSTRATS GAZEUX CONTENANT DU CO DANS UN MILIEU A BASSE TENEUR EN PHOSPHATE POUR REDUIRE L'UTILISATION DE L'EAU**
[72] SENARATNE, RYAN H., US
[72] BELL, PETER SIMPSON, GB
[72] LIU, SONG, US
[72] SCOTT, SYRONA R., US
[73] JUPENG BIO (HK) LIMITED, CN
[85] 2015-11-20
[86] 2014-06-05 (PCT/US2014/041115)
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[30] US (61/833,240) 2013-06-10
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[25] EN
[54] **A METHOD FOR PRODUCING PRECISE DNA CLEAVAGE USING CAS9 NICKASE ACTIVITY**
[54] **PROCEDE VISANT A PRODUIRE UN CLIVAGE D'ADN PRECIS PAR L'ACTIVITE DE CAS9 NICKASE**
[72] DUCHATEAU, PHILIPPE, FR
[72] BERTONATI, CLAUDIA, FR
[73] CELLECTIS, FR
[85] 2015-11-27
[86] 2014-05-28 (PCT/EP2014/061178)
[87] (WO2014/191518)
[30] DK (PA201370295) 2013-05-29

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[51] **Int.Cl. G02B 30/27 (2020.01)**
[25] EN
[54] **MULTI-VIEW DISPLAY DEVICE**
[54] **DISPOSITIF D'AFFICHAGE MULTIVUE**
[72] KROON, BART, NL
[72] VDOVIN, OLEXANDR, VALENTYNOVYCH, NL
[72] VAN PUTTEN, EIBERT, GERJAN, NL
[72] JOHNSON, MARK, THOMAS, NL
[73] KONINKLIJKE PHILIPS N.V., NL
[85] 2015-11-30
[86] 2014-05-21 (PCT/EP2014/060469)
[87] (WO2014/195136)
[30] EP (13170243.3) 2013-06-03

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[25] EN
[54] **AQUEOUS DISPERSION OF A COPOLYMER**
[54] **DISPERSION AQUEUSE D'UN COPOLYMERE**
[72] REUTER, HARDY, DE
[72] STEINMETZ, BERNHARD, DE
[72] BLOHM, MATTHIAS, DE
[72] TEICHMANN, CARSTEN, DE
[72] GOB, BIANCA, DE
[73] BASF COATINGS GMBH, DE
[85] 2015-12-10
[86] 2014-06-04 (PCT/EP2014/061551)
[87] (WO2015/007427)
[30] EP (13176912.7) 2013-07-17

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[13] C
[51] **Int.Cl. E21B 4/14 (2006.01)**
[25] EN
[54] **MULTI-ACCUMULATOR ARRANGEMENT FOR HYDRAULIC PERCUSSION MECHANISM**
[54] **SYSTEME A ACCUMULATEURS MULTIPLES POUR MECANISME DE PERCUSSION HYDRAULIQUE**
[72] PURCELL, JOSEPH, IE
[72] KOSOVICH, JOHN, IE
[73] MINCON INTERNATIONAL LIMITED, IE
[85] 2015-12-16
[86] 2014-06-26 (PCT/EP2014/063622)
[87] (WO2014/207164)
[30] GB (1311674.4) 2013-06-28

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[25] EN
[54] **STRUCTURE FOR CONTAINING CINERARY URNS AND FUNERARY ITEMS IN GENERAL**
[54] **STRUCTURE POUR CONTENIR DES URNES FUNERAIRES ET DES OBJETS FUNERAIRES EN GENERAL**
[72] ROSSI, FILIPPO, IT
[73] BIONDAN NORTH AMERICA INC., CA
[86] (2916591)
[87] (2916591)
[22] 2015-12-31
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[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01)**
[25] EN
[54] **LANCET EJECTION AND ADVANCEMENT MECHANISM FOR MULTI-LANCET CARTRIDGE**
[54] **MECANISME D'EJECTION ET D'AVANCEMENT DE LANCETTE POUR UNE CARTOUCHE A MULTIPLES LANCETTES**
[72] KLEIN, BENJAMIN L., US
[72] PUSEY, LAUREN R., US
[73] FACET TECHNOLOGIES, LLC, US
[85] 2016-01-08
[86] 2014-07-08 (PCT/US2014/045686)
[87] (WO2015/006286)
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[51] **Int.Cl. C10L 1/222 (2006.01) C10L 1/224 (2006.01) C10L 10/18 (2006.01)**
[25] EN
[54] **FUEL COMPOSITIONS**
[54] **COMPOSITIONS DE CARBURANT**
[72] MULQUEEN, SIMON, GB
[73] INNOSPEC LIMITED, GB
[85] 2016-01-11
[86] 2014-07-28 (PCT/GB2014/052309)
[87] (WO2015/011505)
[30] GB (1313400.2) 2013-07-26
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[54] **PROCEDE PERMETTANT DE TESTER L'EAU POUR DETECTER DES BATTERIES FECALES**
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[72] SATTAR, ANAS AKRAM, GB
[72] BRADLEY, GRAHAM, GB
[73] MOLENDOTECH LIMITED, GB
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[54] **METHOD AND SYSTEM FOR ARBITRARY WAVEFORM GENERATION USING A TRI-STATE TRANSMIT PULSER**
[54] **PROCEDE ET SYSTEME DE GENERATION DE FORME D'ONDE ARBITRAIRE A L'AIDE D'UN GENERATEUR D'IMPULSIONS D'EMISSION A TROIS ETATS**
[72] FLYNN, JOHN A., US
[72] KACZKOWSKI, PETER J., US
[72] PFLUGRATH, BRIAN J., US
[72] PFLUGRATH, LAUREN S., US
[73] VERASONICS, INC., US
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[25] EN
[54] **INDEPENDENT FRONT SUSPENSION MODULE FOR INSTALLATION INTO A VEHICLE**
[54] **MODULE DE SUSPENSION AVANT INDEPENDANT DESTINE A UNE INSTALLATION SUR UN VEHICULE**
[72] HINZ, JOHN A., US
[73] REYCO GRANNING, LLC, US
[86] (2919298)
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[25] EN
[54] **IFS INCLUDING STRUT PIVOTALLY SECURED TO CHASSIS THROUGH TORQUE TUBE ASSEMBLY**
[54] **IFS COMPORTANT UN MONTANT FIXE AU CHASSIS DE MANIERE PIVOTANTE AU MOYEN D'UN DISPOSITIF DE TUBE DE COUPLE**
[72] HINZ, JOHN A., US
[73] REYCO GRANNING, LLC, US
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[54] **PRESSE-AIL**
[72] WONG, WAI HANG, HK
[73] ABDOOLALLY EBRAHIM HOUSEWARES LIMITED, HK
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[87] (2919493)
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[54] **KETONE BODY AND KETONE BODY ESTER FOR REDUCING MUSCLE BREAKDOWN**
[54] **CORPS CETONIQUE ET ESTER DE CORPS CETONIQUE POUR REDUIRE LA DEGRADATION MUSCULAIRE**
[72] CLARKE, KIERAN, GB
[72] COX, PETER, GB
[73] TDELTAS LIMITED, GB
[85] 2016-01-28
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[25] EN
[54] **ANION EXCHANGE MEMBRANE FOR ELECTRODIALYSIS APPLICATIONS AND PROCESS FOR THE PREPARATION THEREOF**
[54] **MEMBRANE ECHANGEUSE D'ANIONS POUR DES APPLICATIONS D'ELECTRODIALYSE ET PROCEDE POUR LA PREPARER**
[72] CHATTERJEE, UMA, IN
[72] JEWRAJKA, SURESH KUMAR, IN
[72] THAMPY, SREEKUMARAN, IN
[73] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN
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[54] **BLOCK COPOLYMERS AND THEIR CONJUGATES OR COMPLEXES WITH OLIGONUCLEOTIDES**
[54] **COPOLYMERES SEQUENCES ET LEUR CONJUGUES OU COMPLEXES AVEC DES OLIGONUCLEOTIDES**
[72] MONAHAN, SEAN D., US
[72] DECLUE, MICHAEL S., US
[72] HARVIE, PIERROT, US
[72] JOHNSON, RUSSELL N., US
[72] PASCHAL, AMBER E., US
[72] PRIEVE, MARY G., US
[72] ROY, DEBASHISH, US
[72] DIAB, CHARBEL, US
[72] HOUSTON, MICHAEL E., JR., US
[72] GALPERIN, ANNA, US
[72] QABAR, MAHER, US
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[54] **REGENERATION OF DAMAGED TISSUE**
[54] **REGENERATION D'UN TISSU LESE**
[72] WEISS, ANTHONY STEVEN, AU
[73] ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, IE
[85] 2016-02-03
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[25] EN
[54] **SUBSEA PUMPING APPARATUSES AND RELATED METHODS**
[54] **APPAREILS DE POMPAGE SOUS-MARIN ET PROCEDES APPARENTES**
[72] DALTON, JOHN MATTHEW, US
[72] BABBITT, GUY ROBERT, US
[72] PEREIRA, LUIS, US
[72] KERSEY, JAMES EDWARD, US
[73] TRANSOCEAN INNOVATION LABS, LTD, KY
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[25] EN
[54] **METHOD FOR THE MANUFACTURING OF AL-MG-SI AND AL-MG-SI-CU EXTRUSION ALLOYS**
[54] **PROCEDE POUR LA FABRICATION D'ALLIAGES D'EXTRUSION EN AL-MG-SI ET AL-MG-SI-CU**
[72] TUNDAL, ULF, NO
[72] ROYSET, JOSTEIN, NO
[72] REISO, ODDVIN, NO
[72] BAUGER, OYSTEIN, NO
[73] NORSK HYDRO ASA, NO
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[54] **CONFIGURATION DE RECEPTION DISCONTINUE**
[72] WANG, YIPING, US
[72] SUZUKI, TAKASHI, JP
[72] EARNSHAW, ANDREW MARK, CA
[73] BLACKBERRY LIMITED, CA
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[54] **POLYMERES POUVANT ETRE IMAGES**
[72] HOHN, STEPHANE, NL
[72] LEWIS, ANDREW LENNARD, GB
[72] WILLIS, SEAN LEO, GB
[72] DREHER, MATTHEW R., US
[72] ASHRAFI, KOOROSH, GB
[72] TANG, YIQING, GB
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[54] **EMBARCATION AUTOPROPULSEE**
[72] ALBERTO FERREIRA NORAS, JORGE, PT
[73] ALBERTO FERREIRA NORAS, JORGE, PT
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[54] **APPAREIL DE COAGULATION TURBOELECTRIQUE**
[72] WOOD, LOCKETT E., US
[72] LOWSTUTER, WILLIAM R., US
[73] AVIVID WATER TECHNOLOGY, LLC, US
[85] 2016-03-02
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[25] EN
[54] **METHOD AND SYSTEM FOR METADATA SYNCHRONIZATION**
[54] **METHODE ET SYSTEME DE SYNCHRONISATION DE METADONNEES**
[72] MACKAY, ANDREW E. S., CA
[72] FRANSHAM, KYLE, CA
[73] SUPERNA INC., CA
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[25] EN
[54] **COMPOSITIONS USEFUL IN THE PREVENTION OR TREATMENT OF SKIN CANCER**
[54] **COMPOSITIONS UTILES DANS LE TRAITEMENT PROPHYLACTIQUE OU THERAPEUTIQUE DU CANCER DE LA PEAU**
[72] GIULIANI, GIAMMARIA, IT
[72] BENEDUSI, ANNA, IT
[72] MARZANI, BARBARA, IT
[72] BARONI, SERGIO, IT
[72] PICARDO, MAURO, IT
[73] GIULIANI S.P.A., IT
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[25] EN
[54] **METHOD OF PREPARING PREGELATINIZED, PARTIALLY HYDROLYZED STARCH AND RELATED METHODS AND PRODUCTS**
[54] **PROCEDE DE PREPARATION D'AMIDON PREGELATINISE PARTIELLEMENT HYDROLISE ET PROCEDES ET PRODUITS ASSOCIES**
[72] SANG, YIJUN, US
[72] SONG, WEIXIN D., US
[72] CHAN, CESAR, US
[72] LEE, CHRIS C., US
[73] UNITED STATES GYPSUM COMPANY, US
[85] 2016-03-24
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[54] **DISPOSITIF SOUPLE ET DEPLOYABLE D'ATTENUATION D'INONDATION**
[72] CADOGAN, DAVID PHILLIP, US
[72] HINKLE, JONATHAN MICHAEL, US
[72] ROUSHEY, JEFFREY LEWIS, US
[72] MCKEE, TONY RAY, US
[72] ELGESEM, RALPH OLAV, US
[73] ILC DOVER LP, US
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[25] EN
[54] **METHOD OF OBTAINING THERMOSTABLE DRIED VACCINE FORMULATIONS**
[54] **PROCEDE D'OBTENTION DE FORMULATIONS DE VACCIN SECHEES THERMOSTABLES**
[72] BHAMBHANI, AKHILESH, US
[72] EVANS, ROBERT K., US
[72] SINACOLA, JESSICA, US
[72] JONES, MORRISA, US
[73] MERCK SHARP & DOHME CORP., US
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[86] 2014-10-13 (PCT/US2014/060222)
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[25] EN
[54] **TYROSINE DERIVATIVES AND COMPOSITIONS COMPRISING THEM**
[54] **DERIVES DE TYROSINE ET COMPOSITIONS LES COMPRENANT**
[72] HOFFMAN, STEVEN, US
[73] TYME, INC., US
[85] 2016-04-18
[86] 2014-10-21 (PCT/US2014/061527)
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[25] EN
[54] **USE OF A COMBINATION OF LOPINAVIR AND RITONAVIR IN THE TREATMENT OF HUMAN PAPILLOMA VIRUS (HPV) AND CANCERS ARISING THEREFROM**
[54] **UTILISATION D'UNE COMBINAISON DE LOPINAVIR ET DE RITONAVIR DANS LE TRAITEMENT DU VIRUS DU PAPILLOME HUMAIN ET DES CANCERS QUI EN DECOULENT**
[72] HAMPSON, IAN, GB
[72] HAMPSON, LYNNE, GB
[73] THE UNIVERSITY OF MANCHESTER, GB
[85] 2016-04-20
[86] 2014-10-23 (PCT/GB2014/053169)
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[30] GB (1318742.2) 2013-10-23
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[25] EN
[54] **METHOD FOR TREATMENT OF ARTHROSIS, ELECTRET IMPLANT, BUSHING FOR ITS PLACING AND REMOVAL FROM BONE**
[54] **PROCEDE DE TRAITEMENT DE L'ARTHROSE, IMPLANT A ELECTRET, MANCHON POUR SON PLACEMENT ET SON RETRAIT DANS UN OS**
[72] HOMUTOV, VICTOR PAVLOVICH, RU
[72] MORGUNOV, MIKHAIL SAMUILOVICH, RU
[73] LIMITED LIABILITY COMPANY "MEDEL", RU
[85] 2016-04-21
[86] 2014-07-11 (PCT/RU2014/000511)
[87] (WO2015/076698)
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[25] FR
[54] **TURBINE ENGINE PROVIDED WITH MEANS FOR ABSORBING STRESSES FROM THE THRUST OF THE ENGINE THEREOF**
[54] **TURBOMACHINE EQUIPEE DE MOYENS DE REPRISE DES EFFORTS DE POUSSEE DE SON MOTEUR**
[72] FERT, JEREMY EDMOND, FR
[72] ANCUTA, CARMEN, FR
[73] SNECMA, FR
[85] 2016-04-25
[86] 2014-11-06 (PCT/FR2014/052847)
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[54] **INTERMEDIATES AND METHODS FOR SYNTHESIZING CALICHEAMICIN DERIVATIVES**
[54] **INTERMEDIAIRES ET PROCEDES DE SYNTHESE DE DRIVES DE LA CALICHEAMICINE**
[72] DUGGER, ROBERT WAYNE, US
[72] LETENDRE, LEO JOSEPH, US
[72] PATEL, VIMALKUMAR BABUBHAI, US
[72] PRASHAD, AMARNAUTH SHASTRIE, US
[72] ZHANG, CHUNCHUN, US
[73] PFIZER INC., US
[85] 2016-04-29
[86] 2014-10-28 (PCT/IB2014/065657)
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[30] US (61/899,682) 2013-11-04

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[25] EN
[54] **SYNBIOTIC BACTERIAL COMPOSITION AND METHODS OF PRODUCING AND SCREENING FOR THE COMPOSITION**
[54] **COMPOSITION BACTERIENNE SYMBIOTIQUE ET PROCEDES DE PRODUCTION ET DE SELECTION DE LA COMPOSITION**
[72] O'HARA, STEPHEN PATRICK, GB
[72] RASTALL, ROBERT, GB
[73] OPTIBIOTIX LIMITED, GB
[85] 2016-05-05
[86] 2014-11-05 (PCT/GB2014/053290)
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[54] **SELECTION ET MELANGE DE CHARGES POUR LA FABRICATION D'ASPHALTE**
[72] SIROTA, ERIC B., US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2016-05-11
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[25] EN
[54] **STEPPED SHREDDER HAMMERS**
[54] **MARTEAUX DECHIQUETEURS ETAGES**
[72] WEEKS, MICHAEL R., US
[72] GRAF, DAVID M., US
[72] CARPENTER, CHRISTOPHER M., US
[73] ESCO GROUP LLC, US
[85] 2016-05-13
[86] 2014-11-13 (PCT/US2014/065550)
[87] (WO2015/073725)
[30] US (61/904,130) 2013-11-14

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[13] C
[51] **Int.Cl. C04B 28/14 (2006.01) C04B 24/38 (2006.01) C04B 24/42 (2006.01)**
[25] EN
[54] **GYPSUM SLURRY, HARDENED GYPSUM, GYPSUM BUILDING MATERIAL, GYPSUM BOARD, METHOD OF PRODUCING GYPSUM SLURRY, METHOD OF PRODUCING HARDENED GYPSUM, METHOD OF PRODUCING GYPSUM BUILDING MATERIAL, AND METHOD OF PRODUCING GYPSUM BOARD**
[54] **BOUE DE GYPSE, GYPSE DURCI, MATERIAU DE CONSTRUCTION EN GYPSE, PANNEAU EN GYPSE, PROCEDE DE PRODUCTION DE BOUE DE GYPSE, PROCEDE DE PRODUCTION DE GYPSE DURCI, PROCEDE DE PRODUCTION DE MATERIAU DE CONSTRUCTION EN GYPSE ET METHODE DE PRODUCTION DE PANNEAU DE GYPSE**
[72] ATAKA, YUJI, JP
[72] WATANABE, KEN, JP
[73] YOSHINO GYPSUM CO., LTD., JP
[85] 2016-05-16
[86] 2014-10-22 (PCT/JP2014/078120)
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[30] JP (2013-246716) 2013-11-28

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[25] EN
[54] **PHARMACOLOGICAL TREATMENT OF OBSESSIVE-COMPULSIVE DISORDER**
[54] **TRAITEMENT PHARMACOLOGIQUE DU TROUBLE OBSESSIONNEL COMPULSIF**
[72] VERLEYE, MARC, FR
[72] LE GUERN, MARIE-EMMANUELLE, FR
[73] BIOCODEX, FR
[85] 2016-05-19
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[30] EP (13306586.2) 2013-11-20

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[51] **Int.Cl. H04W 72/04 (2009.01) H04W 28/04 (2009.01)**
[25] EN
[54] **TERMINAL DEVICE, BASE STATION APPARATUS, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT**
[54] **DISPOSITIF DE TERMINAL, DISPOSITIF DE STATION DE BASE, PROCEDE DE COMMUNICATION ET CIRCUIT INTEGRE**
[72] KUSASHIMA, NAOKI, JP
[72] NOGAMI, TOSHIZO, JP
[72] SHIMEZAWA, KAZUYUKI, JP
[72] OUCHI, WATARU, JP
[72] IMAMURA, KIMIHIKO, JP
[73] SHARP KABUSHIKI KAISHA, JP
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[54] **PEROVSKITE AND OTHER SOLAR CELL MATERIALS**
[54] **PEROVSKITE ET AUTRES MATERIAUX DE CELLULE SOLAIRE**
[72] IRWIN, MICHAEL D., US
[72] CHUTE, JERRED A., US
[73] CUBICPV, INC., US
[85] 2016-05-25
[86] 2014-11-24 (PCT/US2014/067024)
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[25] FR
[54] **METHOD FOR LOCALLY REPAIRING THERMAL BARRIERS**
[54] **PROCEDE DE REPARATION LOCALE DE BARRIERES THERMIQUES**
[72] BACOS, MARIE-PIERRE, FR
[72] LAVIGNE, ODILE, FR
[72] RIO, CATHERINE, FR
[72] VIDAL-SETIF, MARIE-HELENE, FR
[72] ROUSSEAU, FREDERIC, FR
[72] MORVAN, DANIEL, FR
[73] OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES (ONERA), FR
[85] 2016-05-27
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[25] EN
[54] **FUSED TRICYCLIC IMIDAZOLE DERIVATIVES AS MODULATORS OF TNF ACTIVITY**
[54] **DERIVES D'IMIDAZOLE TRICYCLIQUES FUSIONNES EN TANT QUE MODULATEURS DE L'ACTIVITE DU TNF**
[72] ALEXANDER, RIKKI PETER, GB
[72] BROWN, JULIEN ALISTAIR, GB
[72] DELIGNY, MICHAEL, BE
[72] HEER, JAG PAUL, BE
[72] JACKSON, VICTORIA ELIZABETH, GB
[72] JADOT, SOPHIE, BE
[72] KROEPLIEN, BORIS, GB
[72] MAC COSS, MALCOLM, US
[72] SABNIS, YOGESH ANIL, BE
[72] SWINNEN, DOMINIQUE LOUIS LEON, BE
[72] VAN HOUTVIN, NATHALIE, BE
[72] ZHU, ZHAONING, GB
[73] UCB BIOPHARMA SRL, BE
[85] 2016-05-30
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[25] EN
[54] **GAS EVACUATION SYSTEM FOR NANOFLUIDIC BIOSENSOR**
[54] **SYSTEME D'EVACUATION DE GAZ POUR BIOCAPTEUR NANOFLUIDIQUE**
[72] DURAND, NICOLAS, CH
[72] MARKI, IWAN, CH
[72] GEISSBUHLER, MATTHIAS, CH
[73] ABIONIC SA, CH
[85] 2016-06-02
[86] 2014-11-17 (PCT/IB2014/066102)
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[54] **APPARATUS AND METHODS FOR PROVIDING NETWORK SECURITY ON A MOBILE PLATFORM**
[54] **APPAREIL ET PROCEDES POUR ASSURER LA SECURITE D'UN RESEAU SUR UNE PLATE-FORME MOBILE**
[72] COTE, JEAN-RICHARD, CA
[72] AGAGNIER, JAYSON, CA
[73] AIRBUS CANADA LIMITED PARTNERSHIP, CA
[85] 2016-06-03
[86] 2014-12-04 (PCT/IB2014/066605)
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[54] **ORALLY DISINTEGRATING SOLID DOSAGE UNIT CONTAINING AN ESTETROL COMPONENT**
[54] **UNITE DE DOSAGE SOLIDE SE DESINTEGRANT PAR VOIE ORALE CONTENANT UN CONSTITUANT ESTETROL**
[72] PLATTEEUW, JOHANNES JAN, NL
[72] COELINGH BENNINK, HERMAN JAN TIJMEN, NL
[73] ESTETRA SRL, BE
[85] 2016-06-06
[86] 2014-12-10 (PCT/EP2014/077127)
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[25] EN
[54] **PROCESSING BY A SEPARATION TECHNIQUE OF A GAS MIXTURE FORMED FROM A PRODUCT STREAM OF A DIMETHYL REACTOR**
[54] **TRAITEMENT SEPARATIF D'UN MELANGE GAZEUX FORME A PARTIR D'UN COURANT DE PRODUIT D'UN REACTEUR DE PRODUCTION DE DIMETHYLETHER**
[72] FRITZ, HELMUT, DE
[72] PESCHEL, ANDREAS, DE
[73] LINDE GMBH, DE
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[54] **ELECTRICAL INTERCONNECT AND METHOD**
[54] **INTERCONNEXION ELECTRIQUE ET PROCEDE**
[72] MEINHART, CARL D., US
[72] SIMUNDSON, BJORN D.H., US
[73] QS ENERGY, INC., US
[85] 2016-06-07
[86] 2014-12-23 (PCT/US2014/072222)
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[54] **REFERENCE LAYER SAMPLE POSITION DERIVATION FOR SCALABLE VIDEO CODING**
[54] **OBTENTION DE POSITION D'ECHANTILLONS DE COUCHE DE REFERENCE POUR CODAGE DE VIDEO EXTENSIBLE**
[72] CHEN, JIANLE, US
[72] RAPAKA, KRISHNAKANTH, US
[72] KARCZEWICZ, MARTA, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-06-08
[86] 2015-01-16 (PCT/US2015/011828)
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[54] **ENERGY INTEGRATED CARBON DIOXIDE CONVERSION PROCESS**
[54] **PROCEDE DE CONVERSION DU DIOXYDE DE CARBONE A APPORT D'ENERGIE INTEGRE**
[72] O'CONNOR, PAUL, NL
[72] ROESTENBERG, TIMO, NL
[72] MARINIC, SASA, NL
[73] CLIMEWORKS AG, CH
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[25] EN
[54] **CONTROLLING HEAT EXCHANGE FROM REFRIGERATION SYSTEM TO GEOTHERMAL SYSTEM**
[54] **COMMANDE D'ECHANGE DE CHALEUR A PARTIR D'UN SYSTEME DE REFRIGERATION JUSQU'A UN SYSTEME GEOTHERMIQUE**
[72] LEIPER, ALBAN, GB
[72] ROSSI, ALEX, GB
[72] RIVERS, NICHOLAS, GB
[72] ZAYNULIN, DMITRIY, GB
[73] ERDA MASTER IPCO LIMITED, GB
[85] 2016-06-13
[86] 2014-12-17 (PCT/EP2014/078333)
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[25] EN
[54] **SYSTEMS AND METHODS FOR PREDICTING CORONARY PLAQUE VULNERABILITY FROM PATIENT-SPECIFIC ANATOMIC IMAGE DATA**
[54] **SYSTEMES ET PROCEDES POUR PREDIRE UNE VULNERABILITE A LA PLAQUE CORONAIRE A PARTIR DE DONNEES D'IMAGES ANATOMIQUES SPECIFIQUES AU PATIENT**
[72] CHOI, GILWOO, US
[72] GRADY, LEO, US
[72] SCHAAP, MICHIEL, US
[72] TAYLOR, CHARLES, A., US
[73] HEARTFLOW, INC., US
[85] 2016-06-14
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[25] FR
[54] **GUIDE ARM FOR ELEMENTS HAVING AN ELONGATED SHAPE, IN PARTICULAR FOR A TURBOMACHINE**
[54] **BRAS DE GUIDAGE D'ELEMENTS DE FORME ALLONGEE, EN PARTICULIER POUR UNE TURBOMACHINE**
[72] GAUDRY, FLORIAN, FR
[72] BELJAMBE, CEDDRIC, FR
[73] SNECMA, FR
[85] 2016-06-16
[86] 2014-12-18 (PCT/FR2014/053439)
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[25] EN
[54] **PROCESSES FOR PRODUCING PROPYLENE GLYCOL**
[54] **PROCEDES POUR FABRIQUER DU GLYCOL DE PROPYLENE**
[72] SOPER, JOHN G., US
[72] TERRIAN, JOSHUA, US
[73] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2016-06-16
[86] 2014-12-09 (PCT/US2014/069274)
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[51] **Int.Cl. B01J 19/00 (2006.01)**
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[54] **METHOD FOR OPERATING A PRODUCTION PLANT OF A MODULAR CONSTRUCTION**
[54] **PROCEDE D'EXPLOITATION D'UNE INSTALLATION DE PRODUCTION DE STRUCTURE MODULAIRE**
[72] KUPPER, ACHIM, DE
[72] OCHS, STEFAN, DE
[73] BAYER AKTIENGESELLSCHAFT, DE
[85] 2016-06-17
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[25] EN
[54] **THERMOLUMINESCENT COMPOSITE PARTICLE AND MARKING COMPRISING SAME**
[54] **PARTICULE COMPOSITE THERMOLUMINESCENTE ET MARQUAGE COMPRENANT CETTE PARTICULE**
[72] MILOS-SCHOUWINK, MIA, CH
[72] RAEMY, XAVIER CEDRIC, CH
[72] DORIER, JEAN-LUC, CH
[73] SICPA HOLDING SA, CH
[85] 2016-06-17
[86] 2014-12-18 (PCT/EP2014/078388)
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[54] **ROTARY HYDRAULIC ACTUATOR SEAL**
[54] **JOINT D'ACTIONNEUR HYDRAULIQUE ROTATIF**
[72] ALDAY, JENNIFER E., US
[72] CASTLEMAN, LARRY J., US
[73] TRELLEBORG SEALING SOLUTIONS GERMANY GMBH, DE
[85] 2016-06-21
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[25] EN
[54] **CATECHOLAMINE PRODUCTION ACCELERATOR, AND THERAPEUTIC AND PREVENTIVE AGENT AND THERAPEUTIC AND PREVENTIVE FOOD COMPOSITION FOR DISEASES CAUSED BY CATECHOLAMINE DEFICIENCY**
[54] **ACCELERATEUR DE PRODUCTION DE CATECHOLAMINE, ET AGENT THERAPEUTIQUE ET PREVENTIF ET COMPOSITION ALIMENTAIRE THERAPEUTIQUE ET PREVENTIVE POUR DES MALADIES CAUSEES PAR UNE CARENCE E N CATECHOLAMINE**
[72] ISHII, YOICHI, JP
[72] NEMOTO, TAKAYUKI, JP
[72] OKAMOTO, TAKESHI, JP
[73] WELL STONE CO., JP
[85] 2016-06-28
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[25] EN
[54] **1,2-NAPHTHOQUINONE BASED DERIVATIVE AND METHOD OF PREPARING THE SAME**
[54] **DERIVE DE 1,2-NAPHTOQUINONE ET SON PROCEDE DE PREPARATION**
[72] LEE, WHEE SEONG, KR
[72] LEE, MI JUNG, KR
[72] KIM, BO JUNG, KR
[72] ROH, TAE CHEUL, KR
[72] LEE, SEUNG HOON, KR
[72] LEE, KYU DAE, KR
[72] LEE, YOU-HUI, KR
[72] KWAK, TAE HWAN, KR
[73] CUROME BIOSCIENCES CO., LTD., KR
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[87] (WO2015/102369)
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[25] EN
[54] **METHOD AND APPARATUS FOR ACOUSTIC ASSESSMENT FROM THE INTERIOR OF FLUID CONDUITS**
[54] **PROCEDE ET APPAREIL POUR EVALUATION ACOUSTIQUE DEPUIS L'INTERIEUR DE CONDUITS DE FLUIDE**
[72] MAYO, STEVE, GB
[72] MONEY, NIGEL, GB
[72] CAPUS, CHRIS, GB
[72] PAILHAS, YAN, GB
[73] PIPELINES 2 DATA (P2D) LIMITED, GB
[73] HYDRASON SOLUTIONS LIMITED, GB
[85] 2016-07-04
[86] 2014-12-31 (PCT/GB2014/053858)
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[25] EN
[54] **SMART GRID TOPOLOGY ESTIMATOR**
[54] **ESTIMATEUR DE TOPOLOGIE D'UN RESEAU ELECTRIQUE INTELLIGENT**
[72] SONDEREGGER, ROBERT, US
[73] ITRON, INC., US
[85] 2016-07-05
[86] 2015-02-25 (PCT/US2015/017571)
[87] (WO2015/130819)
[30] US (61/944,551) 2014-02-25
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[25] EN
[54] **DETECTION OF ELECTRIC POWER DIVERSION**
[54] **DETECTION DE DETOURNEMENT DE COURANT ELECTRIQUE**
[72] SONDEREGGER, ROBERT, US
[73] ITRON, INC., US
[85] 2016-07-05
[86] 2015-02-25 (PCT/US2015/017575)
[87] (WO2015/130823)
[30] US (61/944,558) 2014-02-25
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[13] C
[51] **Int.Cl. C07D 498/18 (2006.01) A61K 31/529 (2006.01)**
[25] EN
[54] **DIARYL MACROCYCLES AS MODULATORS OF PROTEIN KINASES**
[54] **MACROCYCLES DE DIARYLE EN TANT QUE MODULATEURS DE PROTEINES KINASES**
[72] CUI, JINGRONG JEAN, US
[72] LI, YISHAN, US
[72] ROGERS, EVAN W., US
[72] ZHAI, DAYONG, US
[73] TURNING POINT THERAPEUTICS, INC., US
[85] 2016-07-06
[86] 2015-01-23 (PCT/US2015/012597)
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[30] US (61/931,506) 2014-01-24
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[25] EN
[54] **TRANSMISSION DEVICE, TRANSMISSION METHOD, RECEPTION DEVICE, AND RECEPTION METHOD**
[54] **DISPOSITIF DE TRANSMISSION, METHODE DE TRANSMISSION, DISPOSITIF DE RECEPTION ET METHODE DE RECEPTION**
[72] TSUKAGOSHI, IKUO, JP
[73] SONY CORPORATION, JP
[85] 2016-07-08
[86] 2015-01-13 (PCT/JP2015/050686)
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[25] EN
[54] **INHIBITION OF NEAT1 FOR TREATMENT OF SOLID TUMORS**
[54] **INHIBITION DE NEAT1 POUR LE TRAITEMENT DE TUMEURS SOLIDES**
[72] MARINE, JEAN-CHRISTOPHE, BE
[72] STANDAERT, LAURA, BE
[73] VIB VZW, BE
[73] KATHOLIEKE UNIVERSITEIT LEUVEN, K.U.LEUVEN R&D, BE
[85] 2016-07-15
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[25] EN
[54] **DISCONNECT OPERATING HANDLES SUITABLE FOR CIRCUIT BREAKERS AND RELATED BUCKET ASSEMBLIES AND HANDLE INTERLOCKS**
[54] **POIGNEES DE COMMANDE DE DECONNEXION ADAPTEES AUX DISJONCTEURS ET ASSEMBLAGES DE COMPARTIMENT ET DISPOSITIFS ASSOCIES D'INTERVERROUILLAGE DE POIGNEES**
[72] ONEUFER, STEPHEN WILLIAM, US
[72] YEE, EDGAR, US
[72] MORRIS, ROBERT ALLAN, US
[72] KROUSHL, DANIEL BOYD, US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[25] EN
[54] **EARTHING SWITCH**
[54] **SECTIONNEUR DE MISE A LA TERRE**
[72] KIPFER, MANFRED, CH
[73] ABB SCHWEIZ AG, CH
[85] 2016-07-21
[86] 2015-01-08 (PCT/EP2015/050258)
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[25] EN
[54] **AEROSOL-FORMING SUBSTRATE AND AEROSOL-DELIVERY SYSTEM**
[54] **SUBSTRAT GENERATEUR D'AEROSOL ET SYSTEME DE DISTRIBUTION D'AEROSOL**
[72] MIRONOV, OLEG, CH
[72] ZINOVIK, IHAR NIKOLAEVICH, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2016-07-22
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[25] EN
[54] **AN AEROSOL-GENERATING SYSTEM COMPRISING A DEVICE AND A CARTRIDGE, IN WHICH THE DEVICE ENSURES ELECTRICAL CONTACT WITH THE CARTRIDGE**
[54] **SYSTEME DE PRODUCTION D'AEROSOL COMPRENANT UN DISPOSITIF ET UNE CARTOUCHE, LE DISPOSITIF ASSURANT LE CONTACT ELECTRIQUE AVEC LA CARTOUCHE**
[72] MIRONOV, OLEG, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2016-07-26
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[25] EN
[54] **HORSE JACKET**
[54] **CHEMISE POUR CHEVAL**
[72] LUNDGREN, RACHEL, SE
[73] EQUIMADE AB, SE
[85] 2016-08-03
[86] 2015-02-05 (PCT/EP2015/052358)
[87] (WO2015/118039)
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[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/08 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING CONSTRUCTION PROJECTS**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE DE PROJETS DE CONSTRUCTION**
[72] CHAN, PAUL MON-WAH, CA
[72] BARNETT, JONATHAN K., CA
[72] LEE, JOHN JONG SUK, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2938756)
[87] (2938756)
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[30] US (62/204,768) 2015-08-13

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[25] EN
[54] **PENTOSE-FERMENTING STRAIN WITH OPTIMIZED PROPAGATION**
[54] **SOUCHE FERMENTANT LES PENTOSES A PROPAGATION OPTIMISEE**
[72] DESFOUGERES, THOMAS, FR
[72] PIGNEDE, GEORGES, FR
[72] TECHEL, JENNIFER, BE
[73] LESAFFRE ET COMPAGNIE, FR
[85] 2016-08-05
[86] 2015-02-16 (PCT/FR2015/050364)
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[54] **MULTI-TAP PIERCING CONNECTOR**
[54] **CONNECTEUR DE PERCAGE A PRISES MULTIPLES**
[72] PINEDA, ALEJANDRO, MX
[72] MAGANA, RODOLFO, MX
[73] HUBBELL INCORPORATED, US
[85] 2016-08-05
[86] 2015-01-30 (PCT/US2015/013744)
[87] (WO2015/123037)
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[25] EN
[54] **APPARATUS FOR DETERMINING IDENTITY AND/OR QUANTITY OF A FUEL**
[54] **APPAREIL PERMETTANT DE DETERMINER L'IDENTITE ET/OU LA QUANTITE D'UN COMBUSTIBLE**
[72] POULTER, TREVOR JOHN, GB
[73] OPW FLUID TRANSFER GROUP EUROPE B.V., CH
[85] 2016-08-08
[86] 2015-02-10 (PCT/GB2015/050368)
[87] (WO2015/118359)
[30] GB (1402266.9) 2014-02-10
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[25] EN
[54] **CONNECTOR FOR SPINAL IMPLANT SYSTEM**
[54] **CONNECTEUR POUR SYSTEME D'IMPLANT RACHIDIEN**
[72] FITZPATRICK, NOEL, GB
[73] FITZBIONICS LIMITED, GB
[85] 2016-08-12
[86] 2015-02-27 (PCT/GB2015/050570)
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[25] EN
[54] **IMPROVEMENTS TO PORTABLE POWER SUPPLY**
[54] **AMELIORATIONS A UNE ALIMENTATION ELECTRIQUE PORTABLE**
[72] BAKKER, RIENTS, GB
[73] 7RDD LIMITED, GB
[85] 2016-08-16
[86] 2015-03-06 (PCT/GB2015/050651)
[87] (WO2015/132606)
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[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/4725 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **8-(PIPERAZIN-1-YL)-1,2,3,4-TETRAHYDRO-ISOQUINOLINE DERIVATIVES**
[54] **DERIVES 8- (PIPERAZIN -1-YL) -1,2,3,4-TETRAHYDRO-ISOQUINOLINE**
[72] CAROFF, EVA, CH
[72] CASTRO, REMY, CH
[72] KIMMERLIN, THIERRY, CH
[72] MEYER, EMMANUEL, CH
[73] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2016-08-16
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[25] EN
[54] **HYDRAULICALLY DRIVEN BELLOWS PUMP**
[54] **POMPE A SOUFFLET ENTRAINEE DE FACON HYDRAULIQUE**
[72] BILOUSOV, ANATOLIY, UA
[72] ROTHENBUHLER, JORG H., CH
[73] GARNIMAN S.A., UY
[85] 2016-08-18
[86] 2015-02-23 (PCT/EP2015/053714)
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[30] EP (14156813.9) 2014-02-26
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[51] **Int.Cl. F17C 5/06 (2006.01)**
[25] EN
[54] **MODULAR COMPRESSED NATURAL GAS SYSTEM FOR USE AT A WELLSITE**
[54] **SYSTEME DE GAZ NATUREL COMPRIME MODULAIRE DESTINE A ETRE UTILISE SUR UN SITE DE FORAGE**
[72] KAPOOR, MANIK, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2016-08-18
[86] 2015-02-25 (PCT/US2015/017411)
[87] (WO2015/130723)
[30] US (14/189,492) 2014-02-25

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[25] EN
[54] **DRUG COMPOSITION AND COATING**
[54] **COMPOSITION ET ENROBAGE DE MEDICAMENT**
[72] DRUMHELLER, PAUL D., US
[72] CLEEK, ROBERT L., US
[72] JOHNSON, TODD J., US
[72] HOLLAND, THERESA A., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2016-08-23
[86] 2015-03-13 (PCT/EP2015/055366)
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[30] US (14/210,118) 2014-03-13

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[13] C
[51] **Int.Cl. A47L 11/03 (2006.01) A47L 11/04 (2006.01) A47L 11/40 (2006.01)**
[25] EN
[54] **LIQUID EXTRACTION CLEANING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE NETTOYAGE A EXTRACTION DE LIQUIDE**
[72] WALL, TIMOTHY, US
[72] MORROW, ANN MARIE, US
[72] HAUG, WALTER, US
[72] LE, PHUONG, US
[72] OSTENDORF, CHARLES MICHAEL, US
[72] PEREIRA, SCHUBERT, US
[72] CHAVANA, ERNEST MATTHEW, JR., US
[72] LAU, VINCENT, US
[72] HILL, JASON EDWARD, US
[72] TILK, JASON, US
[72] SPIRK, EVAN, US
[72] TUFTS, LINDSEY, US
[72] SAUNDERS, CRAIG (DECEASED), US
[72] STEPHENS, PAUL, US
[73] RUG DOCTOR, LLC, US
[85] 2016-08-23
[86] 2015-02-13 (PCT/US2015/015759)
[87] (WO2015/130483)
[30] US (61/946,434) 2014-02-28

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[51] **Int.Cl. F04C 2/08 (2006.01) F04C 2/10 (2006.01) F04C 11/00 (2006.01) F04C 15/00 (2006.01) F04C 29/00 (2006.01)**
[25] EN
[54] **PUMP INTEGRATED WITH TWO INDEPENDENTLY DRIVEN PRIME MOVERS**
[54] **POMPE INTEGREE A DEUX APPAREILS MOTEURS ENTRAINES INDEPENDAMMENT**
[72] AFSHARI, THOMAS, US
[73] PROJECT PHOENIX, LLC, US
[85] 2016-08-24
[86] 2015-03-02 (PCT/US2015/018342)
[87] (WO2015/131196)
[30] US (61/946,374) 2014-02-28
[30] US (61/946,384) 2014-02-28
[30] US (61/946,395) 2014-02-28
[30] US (61/946,405) 2014-02-28
[30] US (61/946,422) 2014-02-28
[30] US (61/946,433) 2014-02-28

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[51] **Int.Cl. B32B 3/06 (2006.01) A44B 18/00 (2006.01) A61F 13/62 (2006.01) D04H 13/00 (2006.01)**
[25] FR
[54] **METHOD FOR PROVIDING A LAMINATE WITH A HOOK AND LOOP FASTENING VOLUME, AND RESULTING LAMINATE.**
[54] **PROCEDE POUR IMPARTIR DU DEVELOPPE AGRIPPANT A UN STRATIFIE ET STRATIFIE OBTENU PAR LE PROCEDE.**
[72] MOINARD, NATHALIE, FR
[72] MARCHE, THIERRY, FR
[73] APLIX, FR
[85] 2016-08-25
[86] 2015-04-07 (PCT/EP2015/057441)
[87] (WO2015/155150)
[30] FR (1400848) 2014-04-08
[30] FR (1401591) 2014-07-16

[11] **2,940,932**
[13] C
[51] **Int.Cl. B62D 35/00 (2006.01) B62D 37/02 (2006.01)**
[25] EN
[54] **SELF-REPOSITIONING STRUT PORTION FOR AERODYNAMIC SKIRT**
[54] **PORTION DE SUPPORT AUTO-POSITIONNANT DESTINEE A UNE JUPE AERODYNAMIQUE**
[72] BOIVIN, MATHIEU, CA
[72] BASSILY, GEORGES, CA
[72] KANTHARAJU, SWAROOP, CA
[72] TOME, ELIZABETH, CA
[72] DAOUST, SYLVAIN, CA
[72] DEIR, WALID, CA
[72] JAHROMI, ALI, CA
[73] TRANSTEX INC., CA
[86] (2940932)
[87] (2940932)
[22] 2016-09-06
[30] US (15/257,571) 2016-09-06
[30] US (62/314,082) 2016-03-28
[30] US (62/215,129) 2015-09-07

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[51] **Int.Cl. B31B 70/00 (2017.01) B31B 50/00 (2017.01) B65D 65/40 (2006.01) D21H 19/10 (2006.01) D21H 21/00 (2006.01) D21H 27/30 (2006.01)**
[25] EN
[54] **A METHOD FOR MANUFACTURING A PACKAGING MATERIAL AND A PACKAGING MATERIAL MADE BY THE METHOD**
[54] **PROCEDE DE FABRICATION DE MATERIAU D'EMBALLAGE, ET MATERIAU D'EMBALLAGE FABRIQUE PAR LE PROCEDE**
[72] MIIKKI, NINA, FI
[72] SIRVIO, PETRI, FI
[72] BACKFOLK, KAJ, FI
[73] STORA ENSO OYJ, FI
[85] 2016-08-29
[86] 2015-03-13 (PCT/IB2015/051851)
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[51] **Int.Cl. C09D 5/00 (2006.01)**
[25] EN
[54] **COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT**
[72] WOULDHAVE, MATTHEW, GB
[72] KANATT, BIJOY, IN
[72] HESSELINK, SEBASTIAAN J.A., GB
[72] DONKIN, MICHAEL DAVID, GB
[73] AKZO NOBEL COATINGS INTERNATIONAL B.V., NL
[85] 2016-08-30
[86] 2015-03-12 (PCT/EP2015/055121)
[87] (WO2015/136018)
[30] IN (752/DEL/2014) 2014-03-14
[30] EP (14168105.6) 2014-05-13

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[51] **Int.Cl. B29C 70/84 (2006.01) B29C 70/06 (2006.01) B29C 70/42 (2006.01)**
[25] FR
[54] **METHOD FOR MANUFACTURING A PART MADE OF A COMPOSITE MATERIAL COMPRISING AT LEAST ONE PORTION FORMING A FORCE-INSERTION PORTION OR LOCAL THICKENED PORTION**
[54] **PROCEDE DE FABRICATION DE PIECE EN MATERIAU COMPOSITE COMPORTANT AU MOINS UNE PORTION FORMANT PORTION D'INTRODUCTION D'EFFORT OU SUREPAISSEUR LOCALE**
[72] MANDEL, ROBIN, FR
[72] DUNLEAVY, PATRICK, FR
[72] TROUSSET, EMILIE, FR
[73] SAFRAN, FR
[85] 2016-08-31
[86] 2015-07-02 (PCT/FR2015/051837)
[87] (WO2016/005686)
[30] FR (1456524) 2014-07-07

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[25] EN
[54] **INHIBITORS OF ADAPTER ASSOCIATED KINASE 1, COMPOSITIONS COMPRISING THEM, AND METHODS OF THEIR USE**
[54] **INHIBITEURS DE LA KINASE 1 ASSOCIEE A UN ADAPTATEUR, COMPOSITIONS LES COMPORTANT ET LEURS PROCEDES D'UTILISATION**
[72] BI, YINGZHI, US
[72] KUMI, GODWIN, US
[73] LEXICON PHARMACEUTICALS, INC., US
[85] 2016-09-07
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[87] (WO2015/142714)
[30] US (61/953,976) 2014-03-17

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[51] **Int.Cl. B65D 63/00 (2006.01)**
[25] EN
[54] **CABLE LACING TIE DEVICES AND METHODS OF USING THE SAME**
[54] **DISPOSITIFS D'ATTACHE D'ENTRELACEMENT DE CABLES ET LEURS PROCEDES D'UTILISATION**
[72] ZANTOUT, ALAN E., US
[72] SUTTER, ROBERT W., US
[72] WEIBY, MICHAEL, US
[72] DAVIDSON, JAMES, US
[73] DANIELS MANUFACTURING CORPORATION, US
[85] 2016-09-09
[86] 2015-03-05 (PCT/US2015/018921)
[87] (WO2015/148084)
[30] US (14/223,685) 2014-03-24

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[51] **Int.Cl. E21B 43/24 (2006.01) C09K 8/592 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **STAGED STEAM EXTRACTION OF IN SITU BITUMEN**
[54] **EXTRACTION A LA VAPEUR DE BITUME IN SITU PAR ETAPES**
[72] SINGH, HARPREET, US
[72] AKIYA, NAOKO, US
[72] CHEN, WU, US
[72] GILLIS, PAUL A., US
[72] HASSAN, ABU MOKHTARUL, US
[72] KUVADIA, ZUBIN B., US
[72] MUKHERJEE, BIPLAB, US
[72] PAZMINO, JORGE H., US
[72] TALAY, DEFNE KAYRAK, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2016-09-12
[86] 2015-03-18 (PCT/US2015/021253)
[87] (WO2015/143034)
[30] US (61/968,480) 2014-03-21

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[13] C
[51] **Int.Cl. F28B 1/06 (2006.01) F25J 1/00 (2006.01) F28D 1/02 (2006.01) F28D 1/04 (2006.01)**
[25] EN
[54] **WEATHER-VANING AIR-COOLED HEAT EXCHANGERS**
[54] **ECHANGEURS DE CHALEUR REFROIDIS A L'AIR A GIROUETTE**
[72] CHRISTENSEN, TOR, NO
[72] ECKBO, PAL LEO, US
[73] CHRISTENSEN, TOR, NO
[73] ECKBO, PAL LEO, US
[73] GLOBAL LNG SERVICES AS, NO
[85] 2016-09-14
[86] 2015-03-12 (PCT/EP2015/055188)
[87] (WO2015/140044)
[30] NO (20140339) 2014-03-17

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[51] **Int.Cl. C08J 5/12 (2006.01) A24B 13/00 (2006.01) A24B 15/00 (2006.01) A24B 15/18 (2006.01)**
[25] EN
[54] **PRODUCT PORTION ENROBING PROCESS AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ENROBAGE DE PARTIE DE PRODUIT**
[72] EVANS, JAMES DAVID, US
[72] CARROLL, ANDREW NATHAN, US
[72] BLACK, SHANNON MAXWELL, US
[73] ALTRIA CLIENT SERVICES LLC, US
[85] 2016-09-14
[86] 2015-03-13 (PCT/US2015/020454)
[87] (WO2015/138903)
[30] US (61/953,479) 2014-03-14

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[13] C
[51] **Int.Cl. G01F 23/284 (2006.01) G01S 13/88 (2006.01)**
[25] EN
[54] **THREADED COUPLING DEVICE WITH NOZZLE FOR GWR MEASUREMENTS IN NON-METALLIC TANKS**
[54] **DISPOSITIF DE RACCORD FILETE AVEC BUSE POUR DES MESURES GWR DANS DES RESERVOIRS NON-METALLIQUES**
[72] COBIANU, CORNEL, US
[72] GEORGESCU, ION, US
[72] HEATH, STUART JAMES, US
[72] HUGHES, MICHAEL KON YEW, US
[72] HARAN, FRANK MARTIN, US
[73] HONEYWELL INTERNATIONAL INC., US
[85] 2016-09-16
[86] 2015-03-12 (PCT/US2015/020100)
[87] (WO2015/148139)
[30] US (14/229,063) 2014-03-28

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[13] C
[51] **Int.Cl. C08L 23/00 (2006.01) C08F 255/02 (2006.01)**
[25] EN
[54] **CROSSLINKABLE POLYMERIC COMPOSITIONS WITH N, N, N', N', N", N"-HEXAALLYL-1,3,5-TRIAZINE-2,4,6-TRIAMINE CROSSLINKING COAGENT, METHODS FOR MAKING THE SAME, AND ARTICLES MADE THEREFROM**
[54] **COMPOSITIONS POLYMERES RETICULABLES PRESENTANT DE LA N,N,N',N',N",N"-HEXAALLYL-1,3,5-TRIAZINE-2,4,6-TRIAMINE COMME CO-AGENT DE RETICULATION, PROCEDES POUR LEUR PREPARATION ET ARTI CLES FABRIQUES A PARTIR DE CELLES-CI**
[72] SUN, YABIN, CN
[72] CAI, YU, CN
[72] ZHANG, HONG LIANG, CN
[72] COGEN, JEFFREY M., US
[72] SENGUPTA, SAURAV S., US
[72] PERSON, TIMOTHY J., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2016-09-19
[86] 2015-03-20 (PCT/CN2015/074715)
[87] (WO2015/149634)
[30] CN (PCT/CN2014/074376) 2014-03-31

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[13] C
[51] **Int.Cl. B60C 23/04 (2006.01)**
[25] EN
[54] **TIRE PRESSURE COLD CHECK SYSTEM**
[54] **SYSTEME DE VERIFICATION A FROID DE PRESSION DE PNEU**
[72] SMITH, BRADLEY, US
[72] FINEFROCK, MARK, US
[72] GREEN, JEFF, US
[72] LUMB, JONATHAN, US
[73] ELDEC AEROSPACE CORP., US
[85] 2016-09-20
[86] 2015-03-23 (PCT/US2015/022076)
[87] (WO2015/143451)
[30] US (61/968,973) 2014-03-21

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[13] C
[51] **Int.Cl. E04F 15/02 (2006.01) E04F 13/08 (2006.01)**
[25] FR
[54] **SYSTEM FOR SECURING SLATS FOR FORMING A RAISED FLOOR OR DECK**
[54] **SYSTEME DE FIXATION DE LATTES POUR FORMER UN SOL OU UN PLANCHER REHAUSSE**
[72] JUNG, ERIC, FR
[72] ANDRES, WILFRIED, FR
[73] BURGER ET CIE, FR
[85] 2016-09-21
[86] 2015-03-19 (PCT/FR2015/050685)
[87] (WO2015/140475)
[30] FR (1452398) 2014-03-21

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[13] C
[51] **Int.Cl. B60P 3/22 (2006.01) B62D 33/00 (2006.01)**
[25] EN
[54] **INSULATED TRANSPORTATION TRAILER**
[54] **REMORQUE DE TRANSPORT ISOLEE**
[72] CANNON, JOHN, US
[72] HITCHCOCK, THOMAS, US
[73] WABASH NATIONAL, L.P., US
[86] (2943500)
[87] (2943500)
[22] 2016-09-28
[30] US (62/235,620) 2015-10-01

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[13] C
[51] **Int.Cl. E04B 2/86 (2006.01) E04G 17/00 (2006.01)**
[25] EN
[54] **LIQUID AND GAS-IMPERMEABLE CONNECTIONS FOR PANELS OF STAY-IN-PLACE FORM-WORK SYSTEMS**
[54] **LIQUIDE ET CONNEXIONS IMPERMEABLES AU GAZ POUR SYSTEMES DE PANNEAUX DE COFFRAGE FIXE**
[72] RICHARDSON, GEORGE DAVID, CA
[72] KRIVULIN, SEMION, CA
[73] CFS CONCRETE FORMING SYSTEMS INC., CA
[85] 2016-09-23
[86] 2015-04-02 (PCT/CA2015/050276)
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[30] US (61/975,725) 2014-04-04

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[13] C
[51] **Int.Cl. F03B 17/06 (2006.01) F03B 13/08 (2006.01)**
[25] EN
[54] **HYDRAULIC TURBINE ASSEMBLY WITH TURBINE TUBE**
[54] **ENSEMBLE TURBINE HYDRAULIQUE AVEC TUYAU DE TURBINE**
[72] ROBERTS, PETER, GB
[73] VERDERG LTD, GB
[85] 2016-09-23
[86] 2015-04-02 (PCT/GB2015/051035)
[87] (WO2015/150819)
[30] GB (1405946.3) 2014-04-02

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[54] **APTAMERE POUR LE FGF2 ET SON UTILISATION**
[72] JIN, LING, JP
[73] RIBOMIC INC., JP
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[54] **NANOSTRUCTURES AND APPLICATIONS THEREOF**
[54] **NANOSTRUCTURES ET LEURS APPLICATIONS**
[72] AXELSSON, OSKAR, SE
[72] BACKSTROM, SANIA, SE
[72] PETORAL, RODRIGO, JR., SE
[73] SPAGO NANOMEDICAL AB, SE
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[54] **PHARMACOPHORE POUR L'INDUCTION DE TRAIL**
[72] JANDA, KIM D., US
[72] JACOB, NICHOLAS T., US
[72] LOCKNER, JONATHAN W., US
[73] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2016-09-29
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[25] FR
[54] **METHOD AND DEVICE FOR TREATING A SYNTHESIS GAS FROM A BIOMASS GASIFICATION STEP**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT D'UN GAZ DE SYNTHESE PROVENANT D'UNE ETAPE DE GAZEIFICATION DE BIOMASSE**
[72] LEGRAND, FREDERIC, FR
[72] KARA, YILMAZ, FR
[72] MARCHAND, BERNARD, FR
[73] GDF SUEZ, FR
[85] 2016-10-03
[86] 2015-04-14 (PCT/EP2015/058108)
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[25] EN
[54] **MANUFACTURING PROCESS FOR TRIAZINE, PYRIMIDINE AND PYRIDINE DERIVATIVES**
[54] **PROCEDE DE FABRICATION POUR DERIVES DE LA TRIAZINE, DE LA PYRIMIDINE ET DE LA PYRIDINE**
[72] HEBEISEN, PAUL, CH
[72] BEAUFILS, FLORENT, FR
[72] LANGLOIS, JEAN-BAPTISTE, FR
[73] UNIVERSITAET BASEL, CH
[73] TORQUR AG, CH
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[25] EN
[54] **HINGE FOR THE ROTATABLE MOVEMENT OF A DOOR, A DOOR LEAF OR THE LIKE**
[54] **CHARNIERE POUR LE MOUVEMENT ROTATIF D'UNE PORTE, D'UN BATTANT DE PORTE, OU AUTRES**
[72] MIGLIORANZO, IVANO, IT
[73] OL.MI S.R.L., IT
[85] 2016-10-03
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[54] **SPRINKLER APPARATUS AND SYSTEM FOR IRRIGATION**
[54] **APPAREIL D'ARROSAGE ET SYSTEME D'IRRIGATION**
[72] COTE, CAMERON, CA
[73] COTE, KRISTY, CA
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[54] **MILKING DEVICE**
[54] **DISPOSITIF DE TRAITE DE LAIT**
[72] VAN TILBURG, RUBEN ALEXANDER, NL
[72] DIJKSHOORN, DIRK, NL
[72] DE HULLU, MATTHEUS JACOB, NL
[73] LELY PATENT N.V., NL
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[54] **CHUCK FOR A DRILL HEAD OF A ROTATION DRILLING RIG**
[54] **MANDRIN POUR TETE DE FORAGE D'UN APPAREIL DE FORAGE A ROTATION**
[72] HANNA, JAN, SE
[72] FORSBERG, MARTIN, SE
[72] ARDH, KAROLINA, SE
[73] EPIROC ROCK DRILLS AKTIEBOLAG, SE
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[25] EN
[54] **SELECTIVE INHIBITORS OF C-FOS AND THEIR ANTIPROLIFERATIVE PROPERTIES**
[54] **INHIBITEURS SELECTIFS DE C-FOS ET LEURS PROPRIETES ANTI-PROLIFERATIVES**
[72] VANHOUTTE, PETER, FR
[72] CABOCHE, JOCELYNE, FR
[73] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR
[85] 2016-10-06
[86] 2015-04-08 (PCT/EP2015/057588)
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[54] **FLOW PATH VELOCITY MODIFIER FOR A CONTROL VALVE**
[54] **DISPOSITIF DE MODIFICATION DE VITESSE DE TRAJECTOIRE D'ECOULEMENT POUR UNE VANNE DE COMMANDE**
[72] ROPER, DANIEL G., US
[72] MCKINNEY, HAROLD J., US
[73] EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC., US
[85] 2016-10-05
[86] 2015-04-08 (PCT/US2015/024805)
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[25] EN
[54] **UTILISATION DE PARTICULES ABSORBANTES POUR AMELIORER LA DETECTION DU SIGNAL DANS UN PROCEDE D'ANALYSE**
[54] **USE OF ABSORBENT PARTICLES TO IMPROVE SIGNAL DETECTION IN AN ANALYSIS METHOD**
[72] MERANDON, BERTRAND, FR
[72] VEDRINE, CHRISTOPHE, FR
[73] BIO-RAD EUROPE GMBH, CH
[85] 2016-10-06
[86] 2015-04-08 (PCT/EP2015/057640)
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[51] **Int.Cl. H05K 5/06 (2006.01)**
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[54] **WATERPROOF CASE**
[54] **ETUI ETANCHE A L'EAU**
[72] LAI, JUNE, CN
[72] WRIGHT, JOSHUA, CN
[73] CATALYST LIFESTYLE LIMITED, CN
[73] LAI, JUNE, CN
[73] WRIGHT, JOSHUA, CN
[85] 2016-10-11
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[25] EN
[54] **SUBFLOOR DRAINAGE PANEL**
[54] **PANNEAU DE DRAINAGE DE SOUS-PLANCHER**
[72] MILLS, HILTON R., CA
[73] MILLS, HILTON R., CA
[85] 2016-10-13
[86] 2015-04-02 (PCT/CA2015/000223)
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[25] EN
[54] **BIOMARKERS FOR RISK ASSESSMENT AND TREATMENT MONITORING IN HEART FAILURE PATIENTS GUIDED BY NATRIURETIC PEPTIDES**
[54] **BIOMARQUEURS POUR UNE EVALUATION DE RISQUE ET SURVEILLANCE D'UN TRAITEMENT CHEZ DES PATIENTS INSUFFISANTS CARDIAQUES GUIDE PAR DES PEPTIDES NATRIURETIQUES**
[72] BLOCK, DIRK, DE
[72] BRUNNER, HANSPETER, CH
[72] WIENHUES-THELEN, URSULA-HENRIKE, DE
[72] ZAUGG, CHRISTIAN, CH
[72] DIETERLE, THOMAS, DE
[72] MITCHELL, CHERYL, CH
[72] UBBY, JOHAN, CH
[72] SANDERS-VAN WIJK, SANDRA, NL
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2016-07-27
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[25] EN
[54] **FREQUENCY RESPONSE**
[54] **REPONSE DE FREQUENCE**
[72] HUOMO, HEIKKI, FI
[73] REACTIVE TECHNOLOGIES LIMITED, GB
[85] 2016-10-14
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[51] **Int.Cl. C08L 27/06 (2006.01) C08J 3/20 (2006.01) C08L 53/00 (2006.01) C08L 55/02 (2006.01)**
[25] EN
[54] **USE OF HIGH RUBBER IMPACT MODIFIERS IN THERMOPLASTIC FORMULATIONS**
[54] **UTILISATION DE MODIFICATEURS DE LA RESISTANCE AU CHOC A FORTE TENEUR EN CAOUTCHOUC DANS DES FORMULATIONS THERMOPLASTIQUES**
[72] LYONS, JASON M., US
[72] LAVACH, MARK L., US
[73] ARKEMA INC., US
[85] 2016-10-14
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[25] EN
[54] **FITNESS TRAINING BAGS**
[54] **SACS D'ENTRAINEMENT PHYSIQUE**
[72] TOMELLINI, DALITA, US
[72] PENNEY, MELINDA, US
[72] BROOKS, PHILLIP, US
[72] PETTINELLI, LINDSAY, US
[73] TOMELLINI, DALITA, US
[73] PENNEY, MELINDA, US
[73] BROOKS, PHILLIP, US
[73] PETTINELLI, LINDSAY, US
[85] 2016-10-14
[86] 2015-04-15 (PCT/US2015/026024)
[87] (WO2015/160989)
[30] US (61/981,038) 2014-04-17

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[25] EN
[54] **LEAN TISSUE VOLUME QUANTIFICATION**
[54] **QUANTIFICATION DU VOLUME DE TISSU MAIGRE**
[72] DAHLQVIST LEINHARD, OLOF, SE
[72] BORGA, MAGNUS, SE
[72] ROMU, THOBIAS, SE
[73] AMRA MEDICAL AB, SE
[85] 2016-10-19
[86] 2015-04-21 (PCT/EP2015/058577)
[87] (WO2015/162120)
[30] EP (14165965.6) 2014-04-25

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[51] **Int.Cl. A61K 31/47 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHOD OF TREATING LUNG ADENOCARCINOMA**
[54] **PROCEDE DE TRAITEMENT DE L'ADENOCARCINOME DU POUMON**
[72] AFTAB, DANA T., US
[72] YU, PEIWEN, US
[73] EXELIXIS, INC., US
[85] 2016-10-19
[86] 2015-04-27 (PCT/US2015/027800)
[87] (WO2015/164869)
[30] US (61/984,599) 2014-04-25

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[54] **CELLULE ELECTROCHIMIQUE**
[72] ZANON, MARIO, GB
[72] ROBINS, IAN, GB
[73] SPRUE SAFETY PRODUCTS LTD., GB
[85] 2016-10-20
[86] 2015-04-22 (PCT/GB2015/051185)
[87] (WO2015/162418)
[30] GB (1407058.5) 2014-04-22

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[51] **Int.Cl. A22C 21/00 (2006.01) A22B 3/08 (2006.01)**
[25] EN
[54] **A METHOD AND AN APPARATUS FOR ARRANGING A BIRD IN A POSITION FOR BEING SUSPENDED FROM A SHACKLE**
[54] **PROCEDE ET APPAREIL DE DISPOSITION D'OISEAU DANS UNE POSITION AFIN D'ETRE SUSPENDU A UN ETRIER**
[72] OSTERGAARD, BENT, DK
[72] PETERSEN, LASSE MARKFOGED, DK
[73] BAADER FOOD SYSTEMS DENMARK A/S, DK
[85] 2016-10-20
[86] 2015-04-27 (PCT/DK2015/050106)
[87] (WO2015/165470)
[30] DK (PA 2014 70266) 2014-04-30

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[25] EN
[54] **A SOWING APPARATUS FOR SENSOR BASED DEPTH CONTROL OF SEEDING**
[54] **APPAREIL D'ENSEMENCEMENT PERMETTANT DE CONTROLER LA PROFONDEUR D'ENSEMENCEMENT A L'AIDE D'UN CAPTEUR**
[72] GREEN, OLE, DK
[72] MARTIKAINEN, ESKO, FI
[72] THOMASEN, SOREN, DK
[72] KIRKEGAARD NIELSEN, SOREN, DK
[73] AGRO INTELLIGENCE APS, DK
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[86] 2015-05-08 (PCT/DK2015/050119)
[87] (WO2015/169323)
[30] DK (PA 2014 00255) 2014-05-09

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[25] EN
[54] **ISOINDOLINE-1-ONE DERIVATIVES AS CHOLINERGIC MUSCARINIC M1 RECEPTOR POSITIVE ALLOESTERIC MODULATOR ACTIVITY FOR THE TREATMENT OF ALZHEIMERS DISEASE**
[54] **DERIVES I ISOINDOLINE-1-ONE A ACTIVITE DE MODULATEUR ALLOESTERIQUE POSITIF DU RECEPTEUR M1 MUSCARINIQUE CHOLINERGIQUE POUR LE TRAITEMENT DE LA MALADIE D'ALZHEIMER**
[72] YAMADA, MASAMI, JP
[72] SUZUKI, SHINKICHI, JP
[72] SUGIMOTO, TAKAHIRO, JP
[72] NAKAMURA, MINORU, JP
[72] SAKAMOTO, HIROKI, JP
[72] KAMATA, MAKOTO, JP
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2016-10-20
[86] 2015-04-22 (PCT/JP2015/062912)
[87] (WO2015/163485)
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[51] **Int.Cl. B26D 1/38 (2006.01) B26D 5/20 (2006.01) B26D 7/08 (2006.01) B65H 23/18 (2006.01) B65H 35/06 (2006.01)**
[25] EN
[54] **WEIGHT MATERIAL CUTTING, DISPENSING AND APPLYING SYSTEMS**
[54] **SYSTEMES DE DECOUPE, DE DISTRIBUTION ET D'APPLICATION DE MATERIAU PONDEREUX**
[72] KERWIN, KEVIN R., US
[72] GROSS, PETER L., US
[72] CAMPBELL, TODD A., US
[72] REGE, NETRESH U., US
[72] ZOLLER, PATRICK W., US
[72] SKOMSKI, JEFFREY N., US
[72] WALTERS, MARC A., US
[72] WALTERS, KRISTOPHER J., JR., US
[72] MCCLAIN, ERIK L., US
[73] INTERNATIONAL WHEEL AND TIRE, INC., US
[85] 2016-10-26
[86] 2015-04-28 (PCT/US2015/027966)
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[30] US (61/985,087) 2014-04-28

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[13] C
[51] **Int.Cl. B07C 3/00 (2006.01)**
[25] EN
[54] **DOCUMENT IMAGING SYSTEM AND METHOD FOR IMAGING DOCUMENTS**
[54] **SYSTEME D'IMAGERIE DE DOCUMENTS ET PROCEDE D'IMAGERIE DE DOCUMENTS**
[72] SULLIVAN, MICHAEL, US
[72] ALLEN, JOHN, US
[72] HELMLINGER, DAVID, US
[72] DEWITT, ROBERT, US
[72] YORK, MICHAEL, US
[72] ESCHE, ROBERT, US
[72] O'MARA, KERRY D., US
[72] MILLER, GARY, US
[73] OPEX CORPORATION, US
[85] 2016-10-26
[86] 2015-05-04 (PCT/US2015/029119)
[87] (WO2015/168702)
[30] US (61/988,148) 2014-05-02
[30] US (61/988,880) 2014-05-05

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[51] **Int.Cl. F16K 37/00 (2006.01) F15B 19/00 (2006.01) G05D 7/06 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO PARTIAL STROKE TEST VALVES USING PRESSURE CONTROL**
[54] **PROCEDES ET APPAREIL POUR LE TEST DE COURSE PARTIELLE DE SOUPAPES AVEC COMMANDE DE PRESSION**
[72] JUNK, KENNETH W., US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2016-10-27
[86] 2015-05-07 (PCT/US2015/029582)
[87] (WO2015/171843)
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[51] **Int.Cl. F16K 31/12 (2006.01) F16K 3/32 (2006.01) F16K 31/16 (2006.01) F16K 31/52 (2006.01)**
[25] EN
[54] **ROTARY STEPPING ACTUATOR FOR VALVE**
[54] **ACTIONNEUR PAS A PAS ROTATIF POUR VANNE**
[72] BOHAYCHUK, LARRY J., CA
[73] MASTER FLO VALVE INC., CA
[85] 2016-10-28
[86] 2015-05-01 (PCT/CA2015/000278)
[87] (WO2015/164947)
[30] US (61/988,036) 2014-05-02

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[13] C
[51] **Int.Cl. A61M 39/10 (2006.01) A61M 25/00 (2006.01) A61M 39/06 (2006.01) A61M 39/20 (2006.01)**
[25] EN
[54] **CATHETER CONNECTOR INSERT**
[54] **INSERT DE RACCORD DE CATHETER**
[72] KHALAJ, STEVE SAEED, US
[73] AVENT, INC., US
[85] 2016-10-28
[86] 2015-05-13 (PCT/US2015/030510)
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[30] US (14/279,969) 2014-05-16

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[25] EN
[54] **TRANSFERRING CARRIAGE OF VEHICLES FOR AN AUTOMATIC MECHANIC PARKING SYSTEM**
[54] **CHARIOT DE TRANSFERT DE VEHICULES POUR SYSTEME DE STATIONNEMENT MECANIQUE AUTOMATIQUE**
[72] VALLI, GIOVANNI, IT
[73] SOTEFIN PATENTS SA, CH
[85] 2016-11-01
[86] 2015-05-19 (PCT/IB2015/053673)
[87] (WO2015/177718)
[30] IT (RM2014A000258) 2014-05-21

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[13] C
[51] **Int.Cl. B60F 5/02 (2006.01) B64C 3/56 (2006.01) B64C 37/00 (2006.01) A61G 3/00 (2006.01)**
[25] EN
[54] **A DUAL-PURPOSE VEHICLE FOR AIR AND GROUND TRANSPORTATION, AND RELATED METHODS**
[54] **VEHICULE A DOUBLE USAGE POUR TRANSPORT AERIEN ET TERRESTRE ET PROCEDES ASSOCIES**
[72] BIALEK, JASON, US
[73] BIALEK, JASON, US
[85] 2016-11-04
[86] 2015-05-05 (PCT/US2015/029164)
[87] (WO2015/179122)
[30] US (61/988,795) 2014-05-05

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[13] C
[51] **Int.Cl. A23G 1/08 (2006.01) B30B 9/04 (2006.01) C11B 1/06 (2006.01)**
[25] EN
[54] **A PRESS FOR PROCESSING FAT CONTAINING MASS**
[54] **PRESSE DESTINEE AU TRAITEMENT D'UNE MASSE CONTENANT DE LA GRAISSE**
[72] HUIJBERS, HANS, NL
[73] ROYAL DUYVIS WIENER B.V., NL
[85] 2016-11-07
[86] 2015-05-08 (PCT/EP2015/060261)
[87] (WO2015/169964)
[30] EP (14167595.9) 2014-05-08

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[25] EN
[54] **GEARBOX ASSEMBLY FOR A CHARGING INSTALLATION OF A METALLURGICAL REACTOR**
[54] **ENSEMBLE BOITE D'ENGRENAGES POUR INSTALLATION DE CHARGEMENT DE REACTEUR METALLURGIQUE**
[72] TOCKERT, PAUL, LU
[72] VANDIVINIT, JEFF, LU
[72] HIENTGEN, RENE, LU
[73] PAUL WURTH S.A., LU
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[54] **CASING HANGER LOCKDOWN TOOLS**
[54] **OUTILS DE VERROUILLAGE DE SUSPENSION DE TUBAGE**
[72] THORNBURROW, EDWARD T., GB
[72] THORNTON, EDWARD J., GB
[73] CAMERON TECHNOLOGIES LIMITED, NL
[85] 2016-11-07
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[51] **Int.Cl. B01J 37/08 (2006.01) B01J 35/00 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **PROCESS FOR SYNTHESIZING IRON CARBIDE FISCHER-TROPSCH CATALYSTS**
[54] **PROCEDE DE SYNTHESE DE CATALYSEURS DE FISCHER-TROPSCH A BASE DE CARBURE DE FER**
[72] SANTOS CASTRO, VERA P., NL
[72] CHOJECKI, ADAM, NL
[72] MEIMA, GARMT R., NL
[72] KOEKEN, ADRIANUS, NL
[72] RUITENBEEK, MATTHIJS, NL
[72] DAVIDIAN, THOMAS, NL
[72] GASCON, JORGE, NL
[72] MAKKEE, MICHIEL, NL
[72] KAPTEIJN, FREDERIK, NL
[72] WEZENDONK, TIM A., NL
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2016-11-14
[86] 2015-05-14 (PCT/US2015/030739)
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[51] **Int.Cl. C23C 16/455 (2006.01) C23C 16/30 (2006.01) C23C 16/452 (2006.01) C23C 16/54 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING ORGANIC-INORGANIC LAMINATES**
[54] **PROCEDE DE PRODUCTION DE STRATIFIES ORGANIQUES-INORGANIQUES**
[72] AHLF, MARAIKE, DE
[72] EICKEMEYER, FELIX, DE
[72] KLOTZ, STEPHAN, CH
[73] BASF COATINGS GMBH, DE
[85] 2016-11-17
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[54] **METHODS OF TREATING AND PREVENTING VASCULAR INSTABILITY DISEASES**
[54] **PROCEDES DE TRAITEMENT ET DE PREVENTION DE MALADIES D'INSTABILITE VASCULAIRE**
[72] GIBSON, CHRISTOPHER C., US
[72] LI, DEAN Y., US
[73] THE UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[85] 2016-11-17
[86] 2015-06-16 (PCT/US2015/036062)
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[25] EN
[54] **ABSOLUTE BLOOD VOLUME ESTIMATION USING HEMODILUTION**
[54] **ESTIMATION DU VOLUME SANGUIN ABSOLU PAR HEMODILUTION**
[72] THIJSSEN, STEPHAN, US
[72] KOTANKO, PETER, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2016-11-18
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[25] EN
[54] **WOOD TREATMENT FOR DIMENSIONAL STABILIZATION**
[54] **TRAITEMENT DU BOIS POUR STABILISATION DIMENSIONNELLE**
[72] ZHANG, JUN, US
[72] GAO, XINHAO HOWARD, US
[72] HORTON, JOHN, US
[72] ZIOBRO, RICHARD (DECEASED), XX
[73] KOPPERS PERFORMANCE CHEMICALS INC., US
[85] 2016-11-21
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[25] EN
[54] **TURBINE BLADE WITH OPTIMISED COOLING AT THE TRAILING EDGE OF SAME COMPRISING UPSTREAM AND DOWNSTREAM DUCTS AND INNER SIDE CAVITIES**
[54] **AUBE DE TURBINE A REFROIDISSEMENT OPTIMISE AU NIVEAU DE SON BORD DE FUITE COMPRENANT DES CONDUITS AMONT ET AVAL ET DES CAVITES LATERALES INTERNES**
[72] DUJOL, CHARLOTTE MARIE, FR
[72] ENEAU, PATRICE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-11-22
[86] 2015-05-26 (PCT/FR2015/051382)
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[25] EN
[54] **POLYMER BLEND AND POLYMER AGGLOMERATE CONTAINING RECYCLED MULTILAYER FILM WASTE AND FIBER REINFORCED PLASTIC WASTE AND PROCESS FOR PREPARING SAID AGGLOMERATE**
[54] **MELANGE DE POLYMERES ET AGGLOMERAT POLYMERE CONTENANT UN DECHET DE FILM MULTICOUCHE RECYCLE ET UN DECHET DE PLASTIQUE RENFORCE DE FIBRES ET PROCEDE DE PREPARATION DUDIT AGGLOMERAT**
[72] CSATARI, LASZLO, HU
[73] JAGER INVEST KERESKEDELMI, SZOLGALTATO ES INGATLANHASZNOSITO KFT., HU
[85] 2016-11-22
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[25] EN
[54] **REWINDING MACHINE AND REWINDING METHOD**
[54] **MACHINE D'ENROULAGE ET PROCEDE D'ENROULAGE**
[72] DETTORI, DANIELE, IT
[72] BERTOLI BARSOTTI, GIOVANNI, IT
[72] PARDINI, GIONATA, IT
[73] MAXIMA S.R.L., IT
[85] 2016-11-23
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[25] EN
[54] **METHOD AND SYSTEM FOR ELECTROCHEMICAL REDUCTION OF CARBON DIOXIDE EMPLOYING A GAS DIFFUSION ELECTRODE**
[54] **PROCEDE ET SYSTEME POUR LA REDUCTION ELECTROCHIMIQUE DE DIOXYDE DE CARBONE AU MOYEN D'UNE ELECTRODE A DIFFUSION GAZEUSE**
[72] KACZUR, JERRY J., US
[72] LAKKARAJU, PRASAD, US
[72] TEAMEY, KYLE, US
[73] AVANTIUM KNOWLEDGE CENTRE B.V., NL
[85] 2016-11-24
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[30] US (62/004,544) 2014-05-29
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[25] EN
[54] **VENTRICULAR ASSIST DEVICE METHOD AND APPARATUS**
[54] **METHODE ET APPAREIL DE DISPOSITIF D'ASSISTANCE VENTRICULAIRE**
[72] HAYWARD, CHRISTOPHER SIMON, AU
[73] HEARTWARE, INC., US
[85] 2016-11-25
[86] 2015-05-28 (PCT/AU2015/050288)
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[51] **Int.Cl. F16B 5/00 (2006.01) B29C 65/56 (2006.01) B29C 65/64 (2006.01)**
[25] EN
[54] **METHOD OF ANCHORING A FIRST OBJECT IN A SECOND OBJECT**
[54] **PROCEDE D'ANCRAGE D'UN PREMIER OBJET DANS UN SECOND OBJET**
[72] MAYER, JORG, CH
[72] LEHMANN, MARIO, CH
[72] KALL, HAKAN, SE
[72] SANKARAN, MUTHUMARIAPPAN, SE
[73] IKEA SUPPLY AG, CH
[73] WOODWELDING AG, CH
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[51] **Int.Cl. B60P 7/13 (2006.01) B64D 9/00 (2006.01)**
[25] EN
[54] **DEVICE, SYSTEM, AND METHOD FOR LIMITING MOVEMENT OF A CARGO CONTAINER IN A CARGO AREA**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE LIMITATION DE DEPLACEMENT D'UN CONTENEUR DE FRET DANS UNE ZONE DE FRET**
[72] HINDY, ABDELRAZAK, US
[73] FEDERAL EXPRESS CORPORATION, US
[85] 2016-11-28
[86] 2015-06-02 (PCT/US2015/033673)
[87] (WO2015/187621)
[30] US (14/295,982) 2014-06-04

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/906 (2019.01) G06F 16/93 (2019.01) G06F 40/30 (2020.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MAPPING DATA ITEMS TO SPARSE DISTRIBUTED REPRESENTATIONS**
[54] **PROCEDES ET SYSTEMES POUR LA TRANSPOSITION D'ELEMENTS DE DONNEES EN DES REPRESENTATIONS DISTRIBUEES EPARSES**
[72] DE SOUSA WEBBER, FRANCISCO, AT
[73] CORTICAL.IO AG, AT
[85] 2016-11-29
[86] 2015-08-04 (PCT/EP2015/067918)
[87] (WO2016/020368)
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[51] **Int.Cl. A61C 5/88 (2017.01)**
[25] EN
[54] **DENTAL WEDGE**
[54] **CALE DENTAIRE**
[72] CLARK, DAVID J., US
[73] CLARK, DAVID J., US
[85] 2016-12-05
[86] 2015-06-04 (PCT/US2015/034162)
[87] (WO2015/187927)
[30] US (62/007,661) 2014-06-04

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[51] **Int.Cl. C25B 1/27 (2021.01) C25B 1/50 (2021.01) B01D 53/60 (2006.01) C25B 11/04 (2021.01)**
[25] EN
[54] **ELECTROLYTIC PRODUCTION OF AMMONIA**
[54] **PRODUCTION ELECTROLYTIQUE D'AMMONIAC**
[72] SKULASON, EGILL, IS
[73] HASKOLI ISLANDS, IS
[85] 2016-12-06
[86] 2015-06-12 (PCT/IS2015/050012)
[87] (WO2015/189865)
[30] IS (050086) 2014-06-13

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[25] EN
[54] **COMPOSITION FOR PREVENTING OR TREATING DENTAL EROSION**
[54] **COMPOSITION POUR LA PREVENTION OU LE TRAITEMENT DE L'EROSION DENTAIRE**
[72] BERGLUND, THOMAS, NO
[72] JOHANSSON-RUDEN, GUNILLA, SE
[73] MEDA OTC AB, SE
[85] 2016-12-07
[86] 2015-06-18 (PCT/EP2015/063693)
[87] (WO2015/193424)
[30] NO (20140766) 2014-06-18

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[51] **Int.Cl. B22D 41/50 (2006.01) B22D 11/10 (2006.01)**
[25] EN
[54] **THIN SLAB NOZZLE FOR DISTRIBUTING HIGH MASS FLOW RATES**
[54] **BUSE DE BRAME MINCE POUR DISTRIBUTION DE DEBITS MASSIQUES ELEVES**
[72] ARVEDI, GIOVANNI, IT
[72] BIANCHI, ANDREA TEODORO, IT
[72] RICHAUD, JOHAN, FR
[73] ARVEDI STEEL ENGINEERING S.P.A., IT
[73] VESUVIUS U S A CORPORATION, US
[85] 2016-12-08
[86] 2015-06-03 (PCT/IB2015/054197)
[87] (WO2015/189742)
[30] EP (14171989.8) 2014-06-11

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[13] C
[51] **Int.Cl. C12Q 1/37 (2006.01) G01N 33/50 (2006.01) G01N 33/573 (2006.01)**
[25] EN
[54] **METHODOLOGIES FOR MEASURING ISOPEPTIDASE ACTIVITY IN BIOLOGICAL SAMPLES IN A HIGH THROUGHPUT MANNER**
[54] **METHODOLOGIES DE MESURE DE L'ACTIVITE DE L'ISOPEPTIDASE DANS DES ECHANTILLONS BIOLOGIQUES A HAUT RENDEMENT**
[72] JACQ, XAVIER, GB
[72] GUERANGER, QUENTIN, GB
[72] HARRIGAN, JEANINE ANN, GB
[73] MISSION THERAPEUTICS LIMITED, GB
[85] 2016-12-08
[86] 2015-06-15 (PCT/GB2015/051752)
[87] (WO2015/189646)
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[25] EN
[54] **ALGAL SYSTEM FOR IMPROVING WATER QUALITY**
[54] **SYSTEME ALGAL POUR AMELIORER LA QUALITE DE L'EAU**
[72] BARNARD, MALCOLM A., US
[73] BARNARD, MALCOLM A., US
[85] 2016-12-09
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[25] EN
[54] **STRAIN GAUGE POLYMER COMPRISING PHOTOCHROMIC COLORANT**
[54] **POLYMERE DE JAUGE EXTENSOMETRIQUE COMPRENANT UN COLORANT PHOTOCHROMIQUE**
[72] CHOPRA, NAVEEN, CA
[72] PRESTAYKO, RACHEL, CA
[72] VELLA, SARAH J., CA
[73] XEROX CORPORATION, US
[86] (2952048)
[87] (2952048)
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[54] **DILATATEURS NARINAIRES**
[72] PEPPER, ELIZABETH JANE, AU
[72] JOHNSON, MICHAEL RALPH BURGESS, AU
[72] ARMISTEAD, JUSTIN ROBERT, AU
[72] HARTLEY, TOBY JAMES, AU
[72] KOTSIOPOULOS, GEORGE, AU
[73] ASAP BREATHEASSIST PTY LTD, AU
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[25] EN
[54] **ORTHOGONAL ELECTRICAL CONNECTOR PENETRATOR SYSTEM FOR A COILED TUBING ELECTRICAL SERVICE IN A FLOW-THROUGH MULTI-BOWL WELLHEAD AND METHOD OF INSTALLATION AND USE**
[54] **SYSTEME DE PENETRATEUR DE CONNECTEUR ELECTRIQUE ORTHOGONAL POUR UN SERVICE ELECTRIQUE DE TUBE SPIRALE DANS UNE TETE DE PUITS A PLUSIEURS CLOCHES DE GUIDAGE, A ECOULEMENT TRAVERSANT, ET PROCEDE D'INSTALLATION ET D'UTILISATION**
[72] EMERSON, TOD D., US
[72] WILLIAMS, JIM, US
[72] PAYNE, J. PATRICK, US
[73] QUICK CONNECTORS, INC., US
[85] 2016-12-14
[86] 2015-07-17 (PCT/US2015/040864)
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[30] US (62/026,325) 2014-07-18

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[25] EN
[54] **CODED LIGHT PATTERN HAVING HERMITIAN SYMMETRY**
[54] **MOTIF LUMINEUX CODE PRESENTANT UNE SYMETRIE HERMITIENNE**
[72] NASH, JAMES WILSON, US
[72] ATANASSOV, KALIN MITKOV, US
[72] VERRALL, STEPHEN MICHAEL, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-12-14
[86] 2015-06-01 (PCT/US2015/033531)
[87] (WO2015/195309)
[30] US (62/015,349) 2014-06-20
[30] US (14/491,521) 2014-09-19

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[51] **Int.Cl. E05B 5/00 (2006.01)**
[25] EN
[54] **LATCH ASSEMBLY**
[54] **ENSEMBLE DE VERROUILLAGE**
[72] WEINERMAN, LEE, US
[72] ARTHURS, SCOTT, US
[73] THE EASTERN COMPANY, US
[85] 2016-12-14
[86] 2015-06-23 (PCT/US2015/037219)
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[30] US (62/018,131) 2014-06-27
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[51] **Int.Cl. E21B 33/12 (2006.01) E21B 17/00 (2006.01) E21B 34/06 (2006.01)**
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[54] **SYNCHRONIC DUAL PACKER**
[54] **GARNITURE DOUBLE SYNCHRONE**
[72] FLORES, JUAN CARLOS, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2016-12-16
[86] 2015-06-09 (PCT/US2015/034808)
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[30] US (14/318,952) 2014-06-30

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[25] EN
[54] **HYDRAULIC TENSION SPRING**
[54] **RESSORT DE TENSION HYDRAULIQUE**
[72] GARRISH, ROBERT, CA
[73] SPRING LOADED TECHNOLOGY INCORPORATED, CA
[85] 2016-12-20
[86] 2015-06-16 (PCT/CA2015/000390)
[87] (WO2015/196270)
[30] US (14/317,447) 2014-06-27

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[13] C
[51] **Int.Cl. B01D 15/02 (2006.01) B01J 8/04 (2006.01)**
[25] EN
[54] **CHEMICAL FEEDER FEATURING TUBULAR CARTRIDGE WITH DISSOLVABLE SOLID**
[54] **MECANISME ALIMENTATEUR DE PRODUIT CHIMIQUE COMPORTANT UNE CARTOUCHE TUBULAIRE AVEC UN SOLIDE SOLUBLE**
[72] FERGUSON, RICHARD H., US
[72] MILLER, JOHN GARY, US
[73] EAGLE US 2 LLC, US
[85] 2016-12-20
[86] 2015-07-15 (PCT/US2015/040532)
[87] (WO2016/011132)
[30] US (62/024,655) 2014-07-15

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[51] **Int.Cl. E21B 43/10 (2006.01)**
[25] EN
[54] **ASSEMBLY AND METHOD FOR EXPANDING A TUBULAR ELEMENT**
[54] **ENSEMBLE ET PROCEDE D'EXTENSION D'UN ELEMENT TUBULAIRE**
[72] STAM, WALTER, NL
[72] WUBBEN, ANTONIUS LEONARDUS MARIA, NL
[72] ZIJSLING, DJURRE HANS, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2016-12-22
[86] 2015-06-24 (PCT/EP2015/064276)
[87] (WO2015/197705)
[30] EP (14173873.2) 2014-06-25

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[13] C
[51] **Int.Cl. H01M 50/102 (2021.01) H01M 8/04014 (2016.01) H01M 50/367 (2021.01)**
[25] FR
[54] **CONTAINMENT FOR FUEL CELL SYSTEM, NOTABLY FOR AN UNDERWATER VEHICLE**
[54] **ENCEINTE DE CONFINEMENT POUR SYSTEME DE PILE A COMBUSTIBLE, NOTAMMENT POUR UN ENGIN SOUS-MARIN**
[72] ARCHER, PASCAL, FR
[72] MELOT, VINCENT, FR
[73] DCNS, FR
[85] 2016-12-22
[86] 2015-06-22 (PCT/EP2015/063939)
[87] (WO2015/197531)
[30] FR (14 01434) 2014-06-26

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[13] C
[51] **Int.Cl. A23G 4/10 (2006.01) A23G 3/36 (2006.01) A23G 3/48 (2006.01) A23G 4/06 (2006.01)**
[25] FR
[54] **NOVEL FAT-FREE CONFECTIONERY ITEM**
[54] **NOUVELLE CONFISERIE SANS MATIERE GRASSE**
[72] BRENDEL, RAYMOND, FR
[72] BUSOLIN, ANDRE, FR
[73] ROQUETTE FRERES, FR
[85] 2016-12-28
[86] 2015-06-30 (PCT/EP2015/064781)
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[30] FR (14 56221) 2014-06-30

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[25] EN
[54] **POZZOLANIC COMPOSITIONS CONTAINING FLY ASH AND REMEDIATION AGENTS FOR USE IN CEMENTITIOUS MATERIALS**
[54] **COMPOSITIONS POUZZOLANIQUES CONTENANT DES CENDRES VOLANTES ET AGENTS DE REMEDIATION DESTINES A ETRE UTILISES DANS DES MATERIAUX A BASE DE CIMENT**
[72] THOMAS, JOSEPH EARL, US
[72] CARTER, RICHARD DOUGLAS, US
[72] WHIDDEN, JEFFREY ALEXANDER, US
[73] CR MINERALS COMPANY, LLC, US
[85] 2016-12-23
[86] 2015-06-24 (PCT/US2015/037399)
[87] (WO2015/200471)
[30] US (62/016,965) 2014-06-25

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[25] FR
[54] **ANTI-ADHESIVE COATING COMPRISING AT LEAST ONE FUNCTIONAL DECORATIVE LAYER AND ITEM PROVIDED WITH SUCH A COATING**
[54] **REVETEMENT ANTIADHESIF COMPRENANT AU MOINS UNE COUCHE DE DECOR FONCTIONNEL ET ARTICLE MUNI D'UN TEL REVETEMENT**
[72] LE BRIS, STEPHANIE, FR
[72] PERILLON, JEAN-LUC, FR
[72] WAKU, JEAN, FR
[72] SERIER-BRAULT, HELENE, FR
[72] JOBIC, STEPHANE, FR
[73] SEB S.A., FR
[85] 2017-01-03
[86] 2015-07-06 (PCT/FR2015/051868)
[87] (WO2016/005694)
[30] FR (1456590) 2014-07-08

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[13] C
[51] **Int.Cl. C22C 38/38 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/06 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A HIGH STRENGTH STEEL SHEET AND SHEET OBTAINED**
[54] **PROCEDE DE FABRICATION D'UNE TOLE D'ACIER A HAUTE RESISTANCE ET TOLE OBTENUE**
[72] FOJER, GUNHILD CECILIA, BE
[72] MAHIEU, JAN, BE
[73] ARCELORMITTAL, LU
[85] 2017-01-03
[86] 2015-07-03 (PCT/IB2015/055043)
[87] (WO2016/001899)
[30] IB (PCT/IB2014/002290) 2014-07-03

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[51] **Int.Cl. D04H 3/16 (2006.01) A47G 27/02 (2006.01) A47L 23/22 (2006.01) B32B 27/02 (2006.01)**
[25] EN
[54] **PROTECTIVE MAT AND METHOD FOR PROTECTING A FLOOR FROM SPILLAGE AND DEBRIS**
[54] **TAPIS DE PROTECTION, ET PROCEDE DE PROTECTION DE PLANCHER CONTRE UN DEVERSEMENT ET DES DEBRIS**
[72] KEENE, JAMES R., US
[73] KEENE BUILDING PRODUCTS CO., INC., US
[85] 2016-11-03
[86] 2015-05-06 (PCT/US2015/029384)
[87] (WO2015/171706)
[30] US (61/989,079) 2014-05-06

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[51] **Int.Cl. A61K 31/4188 (2006.01) A61K 9/20 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/38 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL DOSAGE FORMS**
[54] **FORMES PHARMACEUTIQUES**
[72] BEATO, STEFANIA, CH
[72] QUINTON, PEGGY, CH
[73] RECORDATI AG, CH
[85] 2017-01-05
[86] 2015-07-06 (PCT/IB2015/055098)
[87] (WO2016/005880)
[30] US (62/021,271) 2014-07-07

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[51] **Int.Cl. E01C 5/00 (2006.01)**
[25] EN
[54] **GRASS PAVERS FOR INCREASING VISIBLE GREEN SPACE**
[54] **DALLES D'HERBE POUR AUGMENTER L'ESPACE VERT VISIBLE**
[72] CASTONGUAY, BERTIN, CA
[72] PENTERMAN, JOHN, CA
[72] EVANS, TAMARA, CA
[72] DECLOS, ROBERT, CA
[73] OLDCASTLE BUILDING PRODUCTS CANADA INC., CA
[85] 2017-01-06
[86] 2015-07-24 (PCT/CA2015/050695)
[87] (WO2016/015142)
[30] US (62/030,286) 2014-07-29

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[13] C
[51] **Int.Cl. G01N 1/28 (2006.01) B01D 19/00 (2006.01) G01N 33/28 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EXTRACTING GAS OR GAS MIXTURES FROM A LIQUID FOR PERFORMING DISSOLVED GAS OR GAS MIXTURE ANALYSIS**
[54] **PROCEDE ET SYSTEME D'EXTRACTION DE GAZ OU DE MELANGES DE GAZ A PARTIR D'UN LIQUIDE POUR LA MISE EN □UVRE D'UNE ANALYSE DE GAZ OU DE MELANGES DE GAZ DISSOUS**
[72] VIRTANEN, SAMI, FI
[72] VIITANEN, VELI-PEKKA (DECEASED), FI
[73] VAISALA OYJ, FI
[85] 2017-01-13
[86] 2015-08-11 (PCT/FI2015/050521)
[87] (WO2016/027003)
[30] FI (20145729) 2014-08-18

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[13] C
[51] **Int.Cl. C07C 51/46 (2006.01) C07C 45/89 (2006.01) C07C 53/08 (2006.01) C08B 3/06 (2006.01) C10C 5/00 (2006.01)**
[25] EN
[54] **ACETIC ACID RECOVERY FROM WOOD ACETYLATION**
[54] **RECUPERATION D'ACIDE ACETIQUE A PARTIR DE L'ACETYLATION DU BOIS**
[72] PAINTER, BENJAMIN THOMAS, GB
[72] BENSTEAD, STEPHEN JOHN, GB
[73] TRICOYA TECHNOLOGIES LTD, GB
[85] 2017-01-13
[86] 2015-07-17 (PCT/EP2015/066433)
[87] (WO2016/009051)
[30] EP (14177679.9) 2014-07-18

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[13] C
[51] **Int.Cl. B27K 3/34 (2006.01) C07C 51/44 (2006.01)**
[25] EN
[54] **RECOVERY OF WOOD ACETYLATION FLUID**
[54] **RECUPERATION DE FLUIDE D'ACETYLATION DU BOIS**
[72] BENSTEAD, STEPHEN JOHN, GB
[73] TRICOYA TECHNOLOGIES LTD, GB
[85] 2017-01-13
[86] 2015-07-17 (PCT/EP2015/066436)
[87] (WO2016/009053)
[30] GB (1412838.3) 2014-07-18

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[13] C
[51] **Int.Cl. E04B 9/22 (2006.01) E04B 9/04 (2006.01)**
[25] EN
[54] **TRIM STRIP SYSTEM FOR USE WITH UNDERHUNG CEILING PANELS**
[54] **SYSTEME DE BANDE DE GARNITURE DESTINE A DES PANNEAUX DE PLAFOND SUSPENDU**
[72] UNDERKOFLER, ABRAHAM M., US
[72] GULBRANDSEN, PEDER J., US
[72] PAULSEN, MARK R., US
[73] USG INTERIORS, LLC, US
[86] (2955226)
[87] (2955226)
[22] 2017-01-16
[30] US (15/000,060) 2016-01-19

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[13] C
[51] **Int.Cl. D21G 9/00 (2006.01) D21F 1/00 (2006.01) G01N 22/04 (2006.01)**
[25] EN
[54] **MONITORING SYSTEM FOR MONITORING THE CONDITIONS OF A BAND CIRCULATING IN A PAPER MAKING MACHINE AND PAPER MAKING MACHINE COMPRISING SAID SYSTEM**
[54] **SYSTEME DE SURVEILLANCE POUR SURVEILLER LES CONDITIONS D'UNE BANDE CIRCULANT DANS UNE MACHINE A FABRIQUER DU PAPIER ET MACHINE A FABRIQUER DU PAPIER COMPRENANT LEDIT SYSTEME**
[72] MICHELOTTI, MATTEO, IT
[73] S.A. GIUSEPPE CRISTINI S.P.A., IT
[85] 2017-01-12
[86] 2015-07-14 (PCT/IB2015/055324)
[87] (WO2016/009354)
[30] IT (MI2014A001277) 2014-07-14

[11] **2,956,034**
[13] C
[51] **Int.Cl. C21D 9/00 (2006.01) C22C 38/00 (2006.01) C23C 2/00 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCING A HIGH STRENGTH STEEL PIECE**
[54] **PROCEDE DE FABRICATION D'UNE PIECE EN ACIER A HAUTE RESISTANCE**
[72] ARLAZAROV, ARTEM, FR
[73] ARCELORMITTAL, LU
[85] 2017-01-23
[86] 2015-07-23 (PCT/IB2015/055580)
[87] (WO2016/016779)
[30] IB (PCT/IB2014/002342) 2014-07-30

[11] **2,956,165**
[13] C
[51] **Int.Cl. E21B 23/00 (2006.01) E21B 33/14 (2006.01) E21B 41/00 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **METHOD FOR SETTING A SENSOR IN A STRATIGRAPHIC TEST WELL**
[54] **METHODE D'INSTALLATION D'UN CAPTEUR DANS UN PUITS DE TEST STRATIGRAPHIQUE**
[72] FOURNIER, IAN RICHARD, CA
[72] HINRICHS, LARS, CA
[73] STRAT-LOG TECHNOLOGIES LTD., CA
[86] (2956165)
[87] (2956165)
[22] 2017-01-25
[30] US (62/287,125) 2016-01-26

[11] **2,956,239**
[13] C
[51] **Int.Cl. E21B 43/10 (2006.01)**
[25] EN
[54] **ASSEMBLY AND METHOD FOR CREATING AN EXPANDED TUBULAR ELEMENT IN A BOREHOLE**
[54] **ENSEMBLE ET PROCEDE DE CREATION D'UN ELEMENT TUBULAIRE DILATE DANS UN TROU DE FORAGE**
[72] BRISCO, DAVID PAUL, US
[72] STAM, WALTER, NL
[72] WUBBEN, ANTONIUS LEONARDUS MARIA, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2017-01-25
[86] 2015-08-10 (PCT/EP2015/068373)
[87] (WO2016/023864)
[30] EP (14180767.7) 2014-08-13

[11] **2,956,287**
[13] C
[51] **Int.Cl. H01F 38/28 (2006.01)**
[25] EN
[54] **CURRENT TRANSFORMER**
[54] **TRANSFORMATEUR DE COURANT**
[72] WAN, XIANGJUN, CN
[72] SU, BEILU, CN
[72] WANG, JUN, CN
[72] CHEN, ZHENGXIN, CN
[72] FENG, JING, CN
[73] SEARI ELECTRIC TECHNOLOGY CO., LTD., CN
[73] ZHEJIANG CHINT ELECTRICS CO., LTD., CN
[85] 2017-01-25
[86] 2015-07-23 (PCT/CN2015/084896)
[87] (WO2016/019806)
[30] CN (201410383710.7) 2014-08-06

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[13] C
[51] **Int.Cl. C22B 7/00 (2006.01) C22B 5/12 (2006.01) C22B 23/00 (2006.01) C22B 26/12 (2006.01) H01M 10/54 (2006.01)**
[25] EN
[54] **PROCESS FOR SMELTING LITHIUM-ION BATTERIES**
[54] **PROCEDE DE FUSION DE PILES AU LITHIUM-ION**
[72] HEULENS, JEROEN, BE
[72] VAN HOREBEEK, DAVID, BE
[72] QUIX, MAARTEN, BE
[72] BROUWER, SYBOLT, BE
[73] UMICORE, BE
[85] 2017-01-31
[86] 2015-08-03 (PCT/EP2015/067809)
[87] (WO2016/023778)
[30] EP (14181054.9) 2014-08-14

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[13] C
[51] **Int.Cl. A61K 31/352 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING RADIOTHERAPY- AND CHEMOTHERAPY-ASSOCIATED COGNITIVE OR EMOTIONAL IMPAIRMENT WITH CANNABINOIDS**
[54] **METHODE DE TRAITEMENT DES TROUBLES COGNITIFS OU AFFECTIFS ASSOCIES A LA RADIOTHERAPIE ET A LA CHIMIOTHERAPIE AU MOYEN DE CANNABINOIDES**
[72] SAWYER, KENNETH I., US
[72] CHANG, WEI-WEI, US
[73] GLIA, LLC, US
[85] 2017-01-31
[86] 2015-07-20 (PCT/US2015/041156)
[87] (WO2016/014419)
[30] US (62/026,887) 2014-07-21

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[13] C
[51] **Int.Cl. A61M 1/28 (2006.01) A61B 5/03 (2006.01)**
[25] EN
[54] **DEVICE FOR DETERMINING THE PERITONEAL PRESSURE**
[54] **DISPOSITIF POUR DETERMINER LA PRESSION INTRAPERITONEALE**
[72] HOCHREIN, TORSTEN, DE
[72] HEDMANN, FRANK, DE
[73] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2017-02-10
[86] 2015-08-10 (PCT/EP2015/001647)
[87] (WO2016/023632)
[30] DE (10 2014 012 024.4) 2014-08-13

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[51] **Int.Cl. B65G 1/137 (2006.01) G06Q 10/08 (2012.01) G05B 19/418 (2006.01)**
[25] EN
[54] **DYNAMIC RATE MATCHING FOR MATERIAL HANDLING**
[54] **ADAPTATION DE DEBIT DYNAMIQUE DE MANIPULATION DE MATERIAU**
[72] OGDEN, RICHARD W., US
[73] DEMATIC CORP., US
[85] 2017-02-13
[86] 2015-08-19 (PCT/US2015/045835)
[87] (WO2016/028857)
[30] US (62/039,632) 2014-08-20

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[11] **2,958,707**
[13] C
[51] **Int.Cl. B28B 11/24 (2006.01) B28B 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A CARBONATE BONDED, PRESS-MOULDED ARTICLE**
[54] **PROCEDE PERMETTANT LA PRODUCTION D'UN ARTICLE MOULE A LA PRESSE LIE PAR DU CARBONATE**
[72] MAYELLE, NICK, BE
[72] BOUILLOT, FREDERIQUE, BE
[72] VAN MECHELEN, DIRK, BE
[73] ORBIX SOLUTIONS, BE
[85] 2017-02-20
[86] 2015-08-28 (PCT/EP2015/069797)
[87] (WO2016/030531)
[30] EP (14182955.6) 2014-08-29

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[13] C
[51] **Int.Cl. B05B 7/24 (2006.01)**
[25] EN
[54] **LID WITH VENTILATION SYSTEM**
[54] **COUVERCLE COMPRENANT SYSTEME DE VENTILATION**
[72] DE ROO, PETER ROBERT, NL
[73] EMM HOLDING BV, NL
[85] 2017-02-24
[86] 2015-08-11 (PCT/EP2015/068461)
[87] (WO2016/030181)
[30] EP (14182417.7) 2014-08-27

[11] **2,959,244**
[13] C
[51] **Int.Cl. A63H 13/00 (2006.01) A63H 3/00 (2006.01) A63H 33/00 (2006.01)**
[25] EN
[54] **ASSEMBLY WITH OBJECT IN HOUSING AND MECHANISM TO OPEN HOUSING**
[54] **ENSEMBLE COMPORTANT UN OBJET DANS UN LOGEMENT ET MECANISME D'OUVERTURE DU LOGEMENT**
[72] PRUZANSKY, AMY, CA
[72] MCDONALD, DAVID, CA
[72] HASHEMI, HAMID R., CA
[72] CHARBONNEAU, ANNE N., CA
[72] LAI, VICTOR, CA
[73] SPIN MASTER LTD., CA
[86] (2959244)
[87] (2959244)
[22] 2017-02-27
[30] US (15/199,341) 2016-06-30
[30] US (15/227,740) 2016-08-03
[30] EP (16193072) 2016-10-10

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[13] C
[51] **Int.Cl. E21B 21/10 (2006.01) E21B 34/12 (2006.01) E21B 34/14 (2006.01) E21B 43/10 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **AN OIL FIELD TUBULAR AND AN INTERNAL SLEEVE FOR USE THEREWITH, AND A METHOD OF DEACTIVATING A FLOAT VALVE WITHIN THE OIL FIELD TUBULAR**
[54] **ELEMENT TUBULAIRE DE TYPE PETROLIER ET MANCHON INTERNE S'UTILISANT AVEC CELUI-CI, ET PROCEDE DE DESACTIVATION D'UN CLAPET A FLOTTEUR A L'INTERIEUR DE L'ELEMENT TUBULAIRE DE TYPE P ETROLIER**
[72] HORWELL, MARK GRAHAM, NZ
[73] SWITCHFLOAT HOLDINGS LIMITED, NZ
[85] 2017-02-24
[86] 2015-08-25 (PCT/NZ2015/050118)
[87] (WO2016/032342)
[30] NZ (629539) 2014-08-27
[30] NZ (703637) 2015-01-07

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[13] C
[51] **Int.Cl. B67D 1/07 (2006.01) B08B 9/032 (2006.01) B67D 1/12 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR CLEANING BEVERAGE DISPENSING SYSTEMS**
[54] **PROCEDE ET SYSTEME POUR LE NETTOYAGE DES SYSTEMES DE DISTRIBUTION DE BOISSONS**
[72] LAWLER, JUSTIN, IE
[72] O'MORAIN, CIARAN, IE
[73] QUALFLOW SYSTEMS LIMITED, IE
[85] 2017-02-27
[86] 2014-08-27 (PCT/EP2014/068196)
[87] (WO2015/028523)
[30] GB (1315302.8) 2013-08-28

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[13] C
[51] **Int.Cl. B01L 3/00 (2006.01) B01D 15/38 (2006.01)**
[25] EN
[54] **NUCLEIC ACID PURIFICATION CARTRIDGE**
[54] **CARTOUCHE DE PURIFICATION D'ACIDE NUCLEIQUE**
[72] BENITEZ PORRAS, FRANCESC, ES
[72] PAREJA GOMEZ, JOSEP, ES
[73] STAT-DIAGNOSTICA & INNOVATION, S.L., ES
[85] 2017-03-01
[86] 2015-09-02 (PCT/EP2015/070045)
[87] (WO2016/034620)
[30] EP (14183411.9) 2014-09-03

[11] **2,962,073**
[13] C
[51] **Int.Cl. F04C 14/24 (2006.01) F04C 14/08 (2006.01) F04C 15/00 (2006.01) F04C 29/12 (2006.01)**
[25] EN
[54] **SYSTEM TO PUMP FLUID AND CONTROL THEREOF**
[54] **SYSTEME DE POMPAGE DE FLUIDE ET COMMANDE ASSOCIEE**
[72] AFSHARI, THOMAS, US
[73] PROJECT PHOENIX, LLC, US
[85] 2017-03-21
[86] 2015-09-17 (PCT/US2015/050589)
[87] (WO2016/048773)
[30] US (62/054,176) 2014-09-23
[30] US (62/212,788) 2015-09-01

[11] **2,962,155**
[13] C
[51] **Int.Cl. B62D 21/15 (2006.01) B62D 25/00 (2006.01)**
[25] EN
[54] **VEHICLE FRONT BODY STRUCTURE**
[54] **STRUCTURE DE CARROSSERIE AVANT DE VEHICULE**
[72] VIAUX, IVAN, FR
[72] DITNER, SYLVIE, FR
[72] ALLAIRE, FLORENT, FR
[73] ARCELORMITTAL, LU
[85] 2017-03-22
[86] 2014-09-22 (PCT/IB2014/064732)
[87] (WO2016/046591)

[11] **2,962,411**
[13] C
[51] **Int.Cl. G01N 22/00 (2006.01)**
[25] EN
[54] **NONDESTRUCTIVE, ABSOLUTE DETERMINATION OF THICKNESS OF OR DEPTH IN DIELECTRIC MATERIALS**
[54] **DETERMINATION ABSOLUE NON DESTRUCTRICE DE L'EPAISSEUR OU DE LA PROFONDEUR DE MATERIAUX DIELECTRIQUES**
[72] LITTLE, JACK R., JR., US
[73] EVISIVE, INC., US
[85] 2017-03-23
[86] 2014-09-22 (PCT/US2014/056730)
[87] (WO2015/047931)
[30] US (61/882,288) 2013-09-25

[11] **2,962,520**
[13] C
[51] **Int.Cl. G06F 16/95 (2019.01) G06F 16/951 (2019.01) G06F 16/955 (2019.01)**
[25] EN
[54] **INTERNET-BASED SEARCH MECHANISM**
[54] **MECANISME DE RECHERCHE SUR INTERNET**
[72] MORRIS, STEPHEN, GB
[73] BUBBLR LIMITED, GB
[85] 2017-03-24
[86] 2015-04-14 (PCT/GB2015/051130)
[87] (WO2015/159066)
[30] GB (1406676.5) 2014-04-14

[11] **2,962,735**
[13] C
[51] **Int.Cl. H01M 8/1062 (2016.01)**
[25] EN
[54] **CARBON SHEET COMPRISING CARBON FIBER AND A BINDER FOR GAS DIFFUSION ELECTRODE SUBSTRATE AND FUEL CELL**
[54] **FEUILLE DE CARBONE COMPRENANT UNE FIBRE DE CARBONE ET UN LIANT POUR UN SUBSTRAT D'ELECTRODE DE DIFFUSION DE GAZ ET PILE A COMBUSTIBLE**
[72] TANIMURA, YASUAKI, JP
[72] CHIDA, TAKASHI, JP
[72] SUGAHARA, TORU, JP
[72] UTSUNOMIYA, MASAMICHI, JP
[72] KAMAE, TOSHIYA, JP
[72] SODE, KATSUYA, JP
[72] ANDO, TAKASHI, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2017-03-27
[86] 2015-10-07 (PCT/JP2015/078492)
[87] (WO2016/060043)
[30] JP (2014-212518) 2014-10-17
[30] JP (2014-212519) 2014-10-17
[30] JP (2014-212424) 2014-10-17

[11] **2,962,760**
[13] C
[51] **Int.Cl. G06F 8/40 (2018.01) G06F 11/30 (2006.01) G06F 11/36 (2006.01)**
[25] EN
[54] **REAL-TIME REPORTING BASED ON INSTRUMENTATION OF SOFTWARE**
[54] **COMPTE-RENDU EN TEMPS REEL SUR LA BASE DE L'INSTRUMENTATION DE LOGICIELS**
[72] LIU, PHILLIP, US
[72] MUKHERJI, ARIJIT, US
[72] RAMAN, RAJESH, US
[72] GRANDY, KRIS, US
[72] LINDAMOOD, JACK, US
[73] SPLUNK INC., US
[85] 2017-03-27
[86] 2015-09-22 (PCT/US2015/051458)
[87] (WO2016/057211)
[30] US (62/061,616) 2014-10-08
[30] US (14/800,677) 2015-07-15
[30] US (14/800,679) 2015-07-15

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[13] C
[51] **Int.Cl. H01F 27/26 (2006.01) H01F 27/30 (2006.01)**
[25] EN
[54] **VEHICLE TRANSFORMER**
[54] **TRANSFORMATEUR DE VEHICULE**
[72] WEBER, BENJAMIN, DE
[72] ZILLMANN, KARL-HEINZ, DE
[72] MONIG, WOLFGANG, DE
[73] HITACHI ENERGY SWITZERLAND AG, CH
[85] 2017-04-06
[86] 2015-09-14 (PCT/EP2015/070938)
[87] (WO2016/055235)
[30] EP (14003442.2) 2014-10-07

[11] **2,964,599**
[13] C
[51] **Int.Cl. A01D 34/416 (2006.01) A01D 34/84 (2006.01)**
[25] EN
[54] **STRING TRIMMER HEAD**
[54] **TETE DE COUPE-BORDURE A FIL**
[72] NOLIN, ERIC, US
[72] COGAN, BENJAMIN H., US
[72] MORRISON, ROBERT L., US
[72] COGHILL, STEVE, US
[73] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
[86] (2964599)
[87] (2964599)
[22] 2017-04-18
[30] US (15/134,256) 2016-04-20

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[51] **Int.Cl. C25C 3/16 (2006.01) C25C 3/08 (2006.01)**
[25] EN
[54] **CATHODE CURRENT COLLECTOR FOR A HALL-HEROULT CELL**
[54] **COLLECTEUR DE COURANT CATHODIQUE POUR CELLULE HALL-HEROULT**
[72] VON KAENEL, RENE, CH
[72] SPINETTI, GUALTIERO, IT
[73] NOVALUM SA, CH
[85] 2017-04-18
[86] 2015-06-08 (PCT/IB2015/054325)
[87] (WO2016/079605)
[30] CH (01778/14) 2014-11-18

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[51] **Int.Cl. F21V 29/503 (2015.01) F21V 29/74 (2015.01) F21V 15/01 (2006.01)**
[25] EN
[54] **FLOW-THROUGH LUMINAIRE**
[54] **LUMINAIRE A CIRCULATION TRAVERSANTE**
[72] SCARLATA, ANDREW FRANCIS, US
[72] FRENKEL, ALEXANDER MICHAEL, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2017-04-18
[86] 2015-10-20 (PCT/US2015/056379)
[87] (WO2016/064814)
[30] US (14/520,094) 2014-10-21

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[13] C
[51] **Int.Cl. H04N 21/2343 (2011.01) H04N 21/24 (2011.01) H04N 21/845 (2011.01)**
[25] EN
[54] **CONFIGURING MANIFEST FILES REFERENCING INFRASTRUCTURE SERVICE PROVIDERS FOR ADAPTIVE STREAMING VIDEO**
[54] **CONFIGURATION DE FICHIERS DE MANIFESTE REFERENCANT DES FOURNISSEURS DE SERVICES D'INFRASTRUCTURE POUR UNE DIFFUSION VIDEO EN CONTINU ADAPTATIVE**
[72] GORDON, MICHAEL, US
[73] DLVR, INC., US
[85] 2017-04-18
[86] 2015-10-29 (PCT/US2015/058054)
[87] (WO2016/069896)
[30] US (62/072,265) 2014-10-29
[30] US (14/709,171) 2015-05-11
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[13] C
[51] **Int.Cl. E05B 59/04 (2006.01) E05B 63/08 (2006.01)**
[25] EN
[54] **INTERCONNECTED LOCK WITH DIRECT DRIVE FOR ADJUSTABLE DEADBOLT TO LATCHBOLT SPACING**
[54] **SERRURE INTERCONNECTEE A ENTRAINEMENT DIRECT POUR ESPACEMENT REGLABLE ENTRE PENE DORMANT ET PENE DEMI-TOUR**
[72] WONG, WAI P., US
[72] FARIAS, PAVEL, MX
[72] KREHEL, GREGG, US
[72] FOURNIER, BRIAN, US
[72] ZIMMER, TODD, US
[73] SARGENT MANUFACTURING COMPANY, US
[85] 2017-04-19
[86] 2015-10-28 (PCT/US2015/057761)
[87] (WO2016/069718)
[30] US (62/069,477) 2014-10-28
[30] US (62/084,699) 2014-11-26
[30] US (14/924,050) 2015-10-27

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[13] C
[51] **Int.Cl. E21B 15/02 (2006.01)**
[25] EN
[54] **RIG FLOOR FOR A DRILLING RIG**
[54] **PLANCHER DE FORAGE POUR APPAREIL DE FORAGE**
[72] HAAVIND, ERIK, NO
[73] NATIONAL OILWELL VARCO NORWAY AS, NO
[85] 2017-04-25
[86] 2015-09-22 (PCT/GB2015/052736)
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[30] GB (1419348.6) 2014-10-30

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 31/573 (2006.01) A61K 47/38 (2006.01) A61P 1/08 (2006.01)**
[25] EN
[54] **DEXAMETHASONE ORAL FILM**
[54] **FILM ORAL DE DEXAMETHASONE**
[72] WESTRIN, BENGT ARVID, SE
[73] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[73] ACUCORT AB, SE
[85] 2017-05-03
[86] 2015-11-04 (PCT/EP2015/075697)
[87] (WO2016/071395)
[30] DK (PA 2014 70674) 2014-11-04

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[25] EN
[54] **SYSTEM FOR ASSESSING A MENTAL HEALTH DISORDER**
[54] **SYSTEME POUR EVALUER UN TROUBLE DE LA SANTE MENTALE**
[72] KHALIGH-RAZAVI, SEYED-MAHDI, GB
[72] HABIBI, SINA, GB
[73] COGNETIVITY LTD., GB
[85] 2017-05-05
[86] 2014-11-05 (PCT/GB2014/053298)
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[30] GB (1319619.1) 2013-11-06

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[51] **Int.Cl. F26B 11/00 (2006.01) F26B 17/00 (2006.01) F26B 21/10 (2006.01)**
[25] EN
[54] **DRYING APPARATUS AND RELATED METHOD**
[54] **APPAREIL DE SECHAGE ET PROCEDE ASSOCIE**
[72] LAWIE, DAVID CHARLES, AU
[72] STEVENS, ANTHONY MALCOLM, AU
[72] BLAINE, FREDRICK ALLAN, AU
[73] MINEX CRC LTD, AU
[85] 2017-05-15
[86] 2015-11-19 (PCT/AU2015/000701)
[87] (WO2016/077870)
[30] AU (2014904649) 2014-11-19

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[51] **Int.Cl. A61K 35/74 (2015.01) A61P 1/12 (2006.01)**
[25] EN
[54] **PROCESS FOR THE THERAPEUTIC MANAGEMENT OF DIARRHEA PREDOMINANT IRRITABLE BOWEL SYNDROME USING BACILLUS COAGULANS SBC37-01, MTCC 5856**
[54] **PROCEDE DE TRAITEMENT THERAPEUTIQUE DU SYNDROME DU COLON IRRITABLE A PREDOMINANCE DIARRHEIQUE AU MOYEN DU BACILLUS COAGULANS SBC37-01, MTCC 5856**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] VAIDYANATHAN, PRITI, IN
[72] ARUMUGAM, SIVAKUMAR, IN
[72] KARRI, SURESH, IN
[72] SANKARAN, NATARAJAN, IN
[73] SAMI LABS LIMITED, IN
[85] 2017-05-19
[86] 2016-01-07 (PCT/US2016/012409)
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[13] C
[51] **Int.Cl. B26B 19/00 (2006.01) B26B 19/20 (2006.01)**
[25] EN
[54] **HAIR TRIMMING DEVICE**
[54] **DISPOSITIF COUPE-CHEVEUX**
[72] TALAVERA, VICTOR, US
[73] TALAVERA, VICTOR, US
[85] 2017-05-18
[86] 2015-02-09 (PCT/US2015/015073)
[87] (WO2015/120415)
[30] US (61/937,298) 2014-02-07
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[13] C
[51] **Int.Cl. A61F 13/15 (2006.01)**
[25] EN
[54] **WOUND DRESSING**
[54] **PANSEMENT POUR PLAIES**
[72] MOUTON, JACOBUS FREDERICK, ZA
[73] TRADERS TRUST(IT 1490/2001), ZA
[85] 2017-05-24
[86] 2015-11-24 (PCT/ZA2015/050026)
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[30] GB (1420862.3) 2014-11-24

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[13] C
[51] **Int.Cl. G01V 1/38 (2006.01)**
[25] EN
[54] **LOW FREQUENCY SEISMIC ACQUISITION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ACQUISITION SISMIQUE BASSE FREQUENCE**
[72] BRENDERS, ANDREW JAMES, US
[72] DELLINGER, JOSEPH ANTHONY, US
[72] ETGEN, JOHN THEODORE, US
[72] OPENSHAW, GRAHAM, US
[72] ROSS, ALLAN, US
[73] BP CORPORATION NORTH AMERICA INC., US
[85] 2017-06-02
[86] 2015-12-02 (PCT/US2015/063492)
[87] (WO2016/090031)
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[51] **Int.Cl. H01H 9/10 (2006.01) H01H 9/26 (2006.01) H01H 85/20 (2006.01) H01H 85/30 (2006.01)**
[25] EN
[54] **LOW PROFILE FUSIBLE DISCONNECT SWITCH DEVICE**
[54] **DISPOSITIF SECTIONNEUR A FUSIBLE A PROFIL ABAISSE**
[72] NEYENS, TYLER JOHN, US
[72] VON ZUR MUEHLEN, PATRICK ALEXANDER, US
[72] DARR, MATTHEW RAIN, US
[72] SU, SHUNGANG, CN
[72] DUNKER, JESSICA ANN, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2017-06-02
[86] 2015-11-24 (PCT/US2015/062286)
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[30] US (14/561,875) 2014-12-05

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[51] **Int.Cl. G01N 33/566 (2006.01) C12Q 1/6897 (2018.01) C12N 5/10 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE MONITORING OF PROTEIN COMPLEX FORMATION IN CELLS**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE FORMATION DE COMPLEXE DE PROTEINE DANS DES CELLULES**
[72] COTNOIR-WHITE, DAVID, CA
[72] MADER, SYLVIE, CA
[72] GAGNON, ETIENNE, CA
[72] BOUVIER, MICHEL, CA
[73] UNIVERSITE DE MONTREAL, CA
[85] 2017-06-06
[86] 2014-12-23 (PCT/CA2014/051266)
[87] (WO2015/095973)
[30] US (61/920,070) 2013-12-23

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[51] **Int.Cl. H02M 7/06 (2006.01)**
[25] EN
[54] **A CONVERTER WITH OSCILLATOR AND A SYSTEM OF CONVERTER WITH OSCILLATOR COUPLED WITH A LOAD**
[54] **CONVERTISSEUR COMPORTANT UN OSCILLATEUR ET SYSTEME DE CONVERTISSEUR COMPORTANT UN OSCILLATEUR COUPLE A UNE CHARGE**
[72] ODLOZILIK, MIROSLAV, CZ
[72] ZRUNA, DALIMIL, CZ
[72] ZRUNA, MARTIN, CZ
[73] NAMI-TECH S.R.O., CZ
[85] 2017-06-09
[86] 2015-12-10 (PCT/CZ2015/000150)
[87] (WO2016/091234)
[30] CZ (PV 2014-885) 2014-12-10

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[51] **Int.Cl. F16F 15/315 (2006.01) F03G 3/08 (2006.01) F16C 32/04 (2006.01) F16C 39/06 (2006.01) F16F 15/30 (2006.01) F16F 15/31 (2006.01)**
[25] EN
[54] **A FLYWHEEL ARRANGEMENT**
[54] **AGENCEMENT DE VOLANT D'INERTIE**
[72] MURPHY, GARY, GB
[73] HEPTRON POWER TRANSMISSION LIMITED, GB
[85] 2017-06-19
[86] 2015-05-22 (PCT/GB2015/000150)
[87] (WO2015/177496)
[30] GB (1409264.7) 2014-05-23

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[13] C
[51] **Int.Cl. G02B 27/18 (2006.01) G09F 19/18 (2006.01) H04N 5/74 (2006.01)**
[25] EN
[54] **LIGHT PROJECTOR USING AN ACOUSTO-OPTICAL CONTROL DEVICE**
[54] **PROJECTEUR DE LUMIERE UTILISANT UN DISPOSITIF DE COMMANDE ACOUSTO-OPTIQUE**
[72] GRATA, JEREMY A., US
[72] WELCH, HUDSON, US
[72] HUSSEIN, MARWAN, US
[73] MAGIC LEAP, INC., US
[85] 2017-06-19
[86] 2015-12-29 (PCT/US2015/067957)
[87] (WO2016/109599)
[30] US (62/097,563) 2014-12-29

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[51] **Int.Cl. B65G 15/60 (2006.01) B65G 41/00 (2006.01) E21F 13/02 (2006.01) B65G 15/08 (2006.01)**
[25] EN
[54] **TRANSPORT UNIT, MATERIAL TRANSFER STRUCTURE, MATERIAL TRANSFER UNIT, MOBILE HAULAGE ARRANGEMENT METHOD**
[54] **UNITE DE TRANSPORT, STRUCTURE DE TRANSFERT DE MATERIAU, UNITE DE TRANSFERT DE MATERIAU, PROCEDE D'AGENCEMENT DE ROULAGE MOBILE**
[72] DAMPFHOFER, STEFAN, SE
[72] RIEGER, HUBERT, SE
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2017-06-20
[86] 2015-02-16 (PCT/EP2015/053226)
[87] (WO2016/131468)

[11] **2,972,439**
[13] C
[51] **Int.Cl. A61M 25/06 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **SAFETY INTRAVENOUS CATHETER WITH FRICTION-BASED RETENTION AND DISABLING FEATURE**
[54] **CATHETER INTRAVEINEUX DE SECURITE A FONCTION DE RETENTION ET DE DESACTIVATION BASEE SUR LE FROTTEMENT**
[72] ISAACSON, S. RAY, US
[72] SHEVGOOR, SIDDARTH, US
[72] O'BRYAN, JEFF, US
[72] MA, YIPING, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2017-06-27
[86] 2015-12-30 (PCT/US2015/068122)
[87] (WO2016/109707)
[30] GB (1500012.8) 2015-01-02
[30] US (14/599,402) 2015-01-16

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[51] **Int.Cl. A23F 5/28 (2006.01) A23F 5/24 (2006.01) A23F 5/26 (2006.01)**
[25] EN
[54] **LIQUID ESPRESSO CONCENTRATE**
[54] **CONCENTRE D'EXPRESSO LIQUIDE**
[72] SMITS, JOANNES HUBERTUS PETRUS MARIA, NL
[72] DE VOS, CORNELIS HENDRICUS, NL
[72] BHANSING, GHANSHIJAM, NL
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2017-06-29
[86] 2015-12-28 (PCT/NL2015/050912)
[87] (WO2016/108687)
[30] EP (15150052.7) 2015-01-02

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[51] **Int.Cl. A23F 5/28 (2006.01) A23F 5/24 (2006.01) A23F 5/26 (2006.01)**
[25] EN
[54] **LIQUID ESPRESSO CONCENTRATE**
[54] **CONCENTRE D'EXPRESSO LIQUIDE**
[72] SMITS, JOANNES HUBERTUS PETRUS MARIA, NL
[72] DE VOS, CORNELIS HENDRICUS, NL
[72] BHANSING, GHANSHIJAM, NL
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2017-06-29
[86] 2015-12-28 (PCT/NL2015/050913)
[87] (WO2016/108688)
[30] EP (15150046.9) 2015-01-02

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[13] C
[51] **Int.Cl. C10B 21/10 (2006.01) C10B 41/00 (2006.01) C10B 45/00 (2006.01)**
[25] EN
[54] **INTEGRATED COKE PLANT AUTOMATION AND OPTIMIZATION USING ADVANCED CONTROL AND OPTIMIZATION TECHNIQUES**
[54] **AUTOMATISATION ET OPTIMISATION INTEGREES D'UNE USINE DE FABRICATION DE COKE EN UTILISANT DES TECHNIQUES DE POINTE EN TERMES DE CONTROLE ET D'OPTIMISATION**
[72] QUANCI, JOHN FRANCIS, US
[72] KESAVAN, PARTHASARATHY, US
[72] ZIEGLER, JACK, US
[72] RUSSELL, KATIE, US
[72] MUHLBAIER, MIKE, US
[72] KHANNA, RAKSHAK, US
[72] EVATT, SHARLA, US
[72] CHUN, PETER, US
[72] KAPLAREVIC, MILOS, US
[73] SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC, US
[85] 2017-07-06
[86] 2016-01-04 (PCT/US2016/012085)
[87] (WO2016/109854)
[30] US (62/099,383) 2015-01-02

[11] **2,974,046**
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[51] **Int.Cl. G03G 15/14 (2006.01) C08J 3/24 (2006.01) C08K 3/04 (2006.01) C08L 61/28 (2006.01) C08L 71/02 (2006.01)**
[25] EN
[54] **INTERMEDIATE TRANSFER MEMBERS**
[54] **ELEMENTS DE TRANSFERT INTERMEDIAIRES**
[72] WU, JIN, US
[72] MA, LIN, US
[73] XEROX CORPORATION, US
[86] (2974046)
[87] (2974046)
[22] 2017-07-19
[30] US (15/219799) 2016-07-26

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[13] C
[51] **Int.Cl. B65G 1/137 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **STORAGE AND RETRIEVAL SYSTEM**
[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION**
[72] CONRAD, JUERGEN D., US
[72] HSIUNG, ROBERT, US
[72] SWEET, LARRY M., US
[72] PANKRATOV, KIRILL K., US
[72] MACDONALD, EDWARD A., US
[72] JOHNSON, WILLIAM, JR., US
[73] SYMBOTIC LLC, US
[85] 2017-07-14
[86] 2016-01-19 (PCT/US2016/013917)
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[30] US (62/104,531) 2015-01-16
[30] US (62/104,552) 2015-01-16
[30] US (62/104,513) 2015-01-16
[30] US (62/107,135) 2015-01-23
[30] US (14/997,925) 2016-01-18
[30] US (14/997,892) 2016-01-18
[30] US (14/997,902) 2016-01-18

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[13] C
[51] **Int.Cl. C25C 3/12 (2006.01) C25C 3/16 (2006.01)**
[25] EN
[54] **AN ANODE FOR USE IN AN ELECTROLYSIS PROCESS FOR PRODUCTION OF ALUMINIUM IN CELLS OF HALL-HEROULT TYPE, AND A METHOD FOR MAKING SAME**
[54] **ANODE DESTINEE A ETRE UTILISEE DANS UN PROCEDE D'ELECTROLYSE POUR LA PRODUCTION D'ALUMINIUM DANS DES CELLULES DU TYPE HALL-HEROULT ET PROCEDE PERMETTANT DE FABRIQUER CETTE DERNIER E**
[72] HOP, JORUND, NO
[72] VEE, INGE ARILD, NO
[72] STEFANSKI, GRZEGORZ, NO
[72] LILLEBY, ANDERS, NO
[72] KUEPPERS, HANS, DE
[72] TEIGEN, PER JOHNNY, NO
[72] HJELLE, VIDAR, NO
[73] NORSK HYDRO ASA, NO
[85] 2017-07-26
[86] 2016-02-09 (PCT/NO2016/000005)
[87] (WO2016/130014)
[30] NO (20150224) 2015-02-13

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[13] C
[51] **Int.Cl. F16B 33/02 (2006.01) F16B 35/04 (2006.01)**
[25] EN
[54] **MALE ANTI-FALSE THREAD FASTENER MEMBER**
[54] **ELEMENT DE FIXATION MALE ANTI-FAUX FILET**
[72] GARVER, MICHAEL, US
[73] MATHREAD INCORPORATED, US
[85] 2017-08-01
[86] 2016-03-02 (PCT/US2016/020362)
[87] (WO2016/160245)
[30] US (14/671,804) 2015-03-27

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[13] C
[51] **Int.Cl. G08B 21/18 (2006.01) G08C 17/00 (2006.01)**
[25] EN
[54] **AUTONOMOUS, LOW ENERGY, ACCESS INDICATION SYSTEM**
[54] **SYSTEME INDICATEUR D'ACCES AUTONOME, A FAIBLE ENERGIE**
[72] PRICE, WADE T., US
[72] ROEDER, RAYMOND, US
[72] OLSEN, BRUCE R., US
[73] THE BOEING COMPANY, US
[86] (2976112)
[87] (2976112)
[22] 2017-08-10
[30] US (15/346,275) 2016-11-08

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[13] C
[51] **Int.Cl. G05B 19/409 (2006.01) G05B 9/02 (2006.01) H05K 7/14 (2006.01)**
[25] EN
[54] **PORTABLE SAFETY CONTROL DEVICE FOR INDUSTRIAL MACHINES, IN PARTICULAR ROBOTS**
[54] **DISPOSITIF DE COMMANDE DE SECURITE PORTABLE POUR MACHINES INDUSTRIELLES, EN PARTICULIER POUR DES ROBOTS**
[72] BORDEGNONI, STEFANO, IT
[72] CINIELLO, FRANCESCO, IT
[73] COMAU S.P.A., IT
[85] 2017-08-09
[86] 2016-06-14 (PCT/IB2016/053493)
[87] (WO2016/203364)
[30] IT (102015000023697) 2015-06-15

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[13] C
[51] **Int.Cl. A61B 5/375 (2021.01) A61B 5/374 (2021.01) A61B 5/024 (2006.01) A61M 21/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR THERAPEUTIC NEUROMODULATION**
[54] **METHODES ET SYSTEMES DE NEUROMODULATION THERAPEUTIQUE**
[72] IZVARINA, NATALIA, RU
[73] BIOSENSOR, INC., US
[85] 2017-08-10
[86] 2016-02-11 (PCT/US2016/017607)
[87] (WO2016/130843)
[30] US (62/115,095) 2015-02-11

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[13] C
[51] **Int.Cl. A47C 7/62 (2006.01) B61D 37/00 (2006.01) B64D 11/00 (2006.01)**
[25] EN
[54] **PRIVACY PARTITION, SYSTEM AND METHOD**
[54] **ESPACE PRIVE, SYSTEME ET METHODE**
[72] HALL, CURTIS L., JR., US
[72] LUTZ, MELISSA HOLT, US
[72] HALL, TANIA D., US
[73] THE BOEING COMPANY, US
[86] (2976994)
[87] (2976994)
[22] 2017-08-18
[30] US (15/290082) 2016-10-11

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[13] C
[51] **Int.Cl. C07D 495/04 (2006.01) C07D 495/14 (2006.01)**
[25] EN
[54] **THIENOTHIOPHENES AND DITHIENOTHIOPHENES, INCORPORATING TRIPHENYLAMINE, TETRAPHENYLETHYLENE AND THEIR VARYING COMPOSITIONS FOR ORGANIC LIGHT EMITTING DIODES**
[54] **THIENOTHIOPHENE/DITHIENOTHIOPHENE - DERIVES DE TRIPHENYLAMINE/TETRAPHENYLETHYLENE POUR DIODES ELECTROLUMINESCENTES ORGANIQUES**
[72] OZTURK, TURAN, TR
[72] BUYRUK, ALI, TR
[72] TEKIN, EMINE, TR
[72] PIRAVIDILI MUCUR, SELIN, TR
[72] GOREN, AHMET CEYLAN, TR
[73] TUBITAK, TR
[85] 2017-08-18
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[51] **Int.Cl. C01C 1/04 (2006.01) B01J 8/06 (2006.01) C01B 3/02 (2006.01)**
[25] EN
[54] **PROCESS FOR THE AMMONIA PRODUCTION**
[54] **PROCEDE DE PRODUCTION D'AMMONIAC**
[72] FILIPPI, ERMANNO, CH
[72] OSTUNI, RAFFAELE, CH
[73] CASALE SA, CH
[85] 2017-08-17
[86] 2016-01-27 (PCT/EP2016/051658)
[87] (WO2016/131623)
[30] EP (15156001.8) 2015-02-20

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[51] **Int.Cl. B64F 5/10 (2017.01) B64F 5/50 (2017.01) B66F 3/46 (2006.01) F16M 11/00 (2006.01)**
[25] EN
[54] **FLEXIBLE HYDROSTATICALLY NORMALIZED CRADLE TO SUPPORT FUSELAGE SECTIONS FOR ASSEMBLY**
[54] **BERCEAU SOUPLE NORMALISE HYDROSTATIQUEMENT SERVANT A SUPPORTER DES SECTIONS DE FUSELAGE EN VUE DE L'ASSEMBLAGE**
[72] STONE, PATRICK B., US
[72] RUSSELL, DON, US
[73] THE BOEING COMPANY, US
[86] (2977554)
[87] (2977554)
[22] 2017-08-25
[30] US (15/339089) 2016-10-31

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[25] EN
[54] **GARAGE DOOR HINGE WITH NOISE REDUCTION INSERT**
[54] **CHARNIERE DE PORTE DE GARAGE EQUIPEE D'UNE INSERTION DE REDUCTION DE BRUIT**
[72] KELLEY, ROBERT A., US
[73] KELLEY, ROBERT A., US
[86] (2978901)
[87] (2978901)
[22] 2017-09-12

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[13] C
[51] **Int.Cl. G10L 15/00 (2013.01) G10L 15/22 (2006.01)**
[25] EN
[54] **PERSONA-BASED CONVERSATIONAL INTERFACE PERSONALIZATION USING SOCIAL NETWORK PREFERENCES**
[54] **PERSONNALISATION D'INTERFACE CONVERSATIONNELLE BASEE SUR UN PERSONNAGE UTILISANT DES PREFERENCES DE RESEAU SOCIAL**
[72] TSERETOPOULOS, DEAN C. N., CA
[72] MCCARTER, ROBERT ALEXANDER, CA
[72] WALIA, SARABJIT SINGH, CA
[72] LALKA, VIPUL KISHORE, CA
[72] MORETTI, NADIA, CA
[72] DICKIE, PAIGE ELYSE, CA
[72] KURUVILLA, DENNY DEVASIA, CA
[72] DUNJIC, MILOS, CA
[72] D'AGOSTINO, DINO PAUL, CA
[72] JAGGA, ARUN VICTOR, CA
[72] LEE, JOHN JONG-SUK, CA
[72] JETHWA, RAKESH THOMAS, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2981261)
[87] (2981261)
[22] 2017-10-04

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[51] **Int.Cl. B05B 1/14 (2006.01)**
[25] EN
[54] **BLOWING NOZZLE**
[54] **BUSE DE SOUFFLAGE**
[72] SINGH, AMANJOT, CA
[73] NEX FLOW AIR PRODUCTS CORP., CA
[85] 2017-10-06
[86] 2015-04-09 (PCT/CA2015/050291)
[87] (WO2016/161498)

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[13] C
[51] **Int.Cl. C12N 1/20 (2006.01)**
[25] EN
[54] **SPORULATION METHOD OF BACILLUS BACTERIUM**
[54] **PROCEDE DE SPORULATION D'UNE BACTERIE BACILLUS**
[72] EGUCHI, TAKANORI, JP
[72] MORISHITA, YASUYUKI, JP
[72] TSUKAGOSHI, YUKI, JP
[73] IDEMITSU KOSAN CO., LTD., JP
[85] 2017-10-06
[86] 2016-04-08 (PCT/JP2016/061604)
[87] (WO2016/163534)
[30] JP (2015-079951) 2015-04-09

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[13] C
[51] **Int.Cl. F16L 58/00 (2006.01) C23F 13/20 (2006.01)**
[25] EN
[54] **FLANGE TAB SYSTEM**
[54] **SYSTEME DE PATTE DE BRIDE**
[72] GERUN, TONY, CA
[73] GERUN, TONY, CA
[86] (2982188)
[87] (2982188)
[22] 2017-10-12

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[13] C
[51] **Int.Cl. G10L 15/00 (2013.01) G10L 15/02 (2006.01)**
[25] EN
[54] **SPEECH RECOGNITION METHOD, SPEECH WAKEUP APPARATUS, SPEECH RECOGNITION APPARATUS, AND TERMINAL**
[54] **PROCEDE DE RECONNAISSANCE VOCALE, DISPOSITIF DE REVEIL VOCAL, DISPOSITIF DE RECONNAISSANCE VOCALE ET TERMINAL**
[72] ZHOU, JUNYANG, CN
[73] HONOR DEVICE CO., LTD., CN
[85] 2017-10-10
[86] 2015-04-10 (PCT/CN2015/076342)
[87] (WO2016/161641)

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[51] **Int.Cl. H04L 43/10 (2022.01) H04W 76/20 (2018.01) H04L 67/145 (2022.01)**
[25] EN
[54] **METHOD FOR INTERACTION BETWEEN TERMINAL AND NETWORK DEVICE, AND TERMINAL**
[54] **PROCEDE D'INTERACTION ENTRE UN TERMINAL ET UN DISPOSITIF DE RESEAU, ET TERMINAL**
[72] ZHAO, JING, CN
[72] ZHONG, GUANGHUA, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-10-11
[86] 2015-06-30 (PCT/CN2015/082884)
[87] (WO2017/000247)

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[51] **Int.Cl. A61K 31/4192 (2006.01) A61K 31/055 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **ONCE-DAILY TREATMENT OF PULMONARY FIBROSIS**
[54] **TRAITEMENT EN PRISE QUOTIDIENNE UNIQUE DE LA FIBROSE PULMONAIRE**
[72] SCHAMBYE, HANS, DK
[72] PEDERSEN, ANDERS, DK
[72] FORD, PAUL, GB
[73] GALECTO BIOTECH AB, DK
[85] 2017-10-18
[86] 2015-05-12 (PCT/EP2015/060456)
[87] (WO2016/180483)

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[51] **Int.Cl. E04G 5/06 (2006.01) E04G 5/14 (2006.01) E04G 7/08 (2006.01)**
[25] EN
[54] **A LOCKABLE SCAFFOLD TOEBOARD SYSTEM**
[54] **SYSTEME DE PLINTHE VERROUILLABLE POUR ECHAFAUDAGE**
[72] HAYMAN, YATES WESTLEY, US
[72] CURTIS, JOHNNY, US
[73] DELTAK MANUFACTURING, INC., US
[85] 2017-10-18
[86] 2016-04-22 (PCT/US2016/028892)
[87] (WO2016/172513)
[30] US (62/152,490) 2015-04-24

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[51] **Int.Cl. A23B 4/16 (2006.01) A01F 25/14 (2006.01) A23L 3/3409 (2006.01) B65D 81/18 (2006.01) B65D 88/74 (2006.01)**
[25] EN
[54] **CONTROLLED ENVIRONMENT SHIPPING CONTAINERS**
[54] **RECIPIENT D'EXPEDITION A ENVIRONNEMENT CONTROLE**
[72] GOLDMAN, JOSHUA N., US
[73] AUSTRALIS AQUACULTURE, LLC, US
[85] 2017-10-18
[86] 2015-04-23 (PCT/US2015/027317)
[87] (WO2015/167930)
[30] US (61/986,210) 2014-04-30

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[25] EN
[54] **PROCESS FOR FOAMING POLYOLEFIN COMPOSITIONS USING AN AZODICARBONAMIDE/CITRATE MIXTURE AS A NUCLEATING AGENT**
[54] **PROCEDE DE MOUSSAGE DE COMPOSITIONS DE POLYOLEFINE A L'AIDE D'UN MELANGE D'AZODICARBONAMIDE/CITRATE UTILISE EN TANT QU'AGENT DE NUCLEATION**
[72] SUN, GANGWEI, CN
[72] ESSEGHIR, MOHAMED, US
[72] XU, XIANMIN, CN
[72] KMIEC, CHESTER J., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-10-30
[86] 2015-05-08 (PCT/CN2015/078590)
[87] (WO2016/179754)

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[13] C
[51] **Int.Cl. B60D 1/01 (2006.01) B64F 5/60 (2017.01) B60D 1/24 (2006.01) B64F 1/10 (2006.01)**
[25] EN
[54] **TRAILER-MOUNTED MOCK LANDING GEAR**
[54] **TRAIN D'ATTERRISSAGE SIMULE INSTALLE SUR UNE REMORQUE**
[72] BRUNCKHORST, CHRISTIAN, US
[72] BRIMLOW, NICHOLAS JAMES, US
[73] THE BOEING COMPANY, US
[86] (2984355)
[87] (2984355)
[22] 2017-10-27
[30] US (15/367,981) 2016-12-02

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[51] **Int.Cl. F01M 1/16 (2006.01) B62D 55/092 (2006.01) F16N 7/38 (2006.01) F16N 25/00 (2006.01)**
[25] EN
[54] **SNOWMOBILE HAVING ELECTRONICALLY CONTROLLED LUBRICATION**
[54] **MOTONEIGE AYANT UNE LUBRIFICATION COMMANDEE ELECTRONIQUEMENT**
[72] BERNIER, MICHEL, CA
[72] SCHUEHMACHER, BRUNO, CA
[73] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[86] (2984765)
[87] (2984765)
[22] 2008-02-29
[62] 2,690,525
[30] US (60/945,709) 2007-06-22

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[51] **Int.Cl. A61K 6/833 (2020.01) A61K 6/17 (2020.01)**
[25] EN
[54] **METHOD TO INCREASE THE STRENGTH OF A FORM BODY OF A LITHIUM SILICATE GLASS CERAMIC IN THE FORM OF A DENTAL OBJECT**
[54] **PROCEDE POUR AUGMENTER LA RESISTANCE D'UN CORPS DE FORME DE VITROCERAMIQUE A BASE DE SILICATE DE LITHIUM SOUS FORME D'UN OBJET DENTAIRE**
[72] VOELKL, LOTHAR, DE
[72] FECHER, STEFAN, DE
[73] DENTSPLY SIRONA INC., US
[73] DEGUDENT GMBH, DE
[85] 2017-11-07
[86] 2016-05-20 (PCT/EP2016/061414)
[87] (WO2016/188897)
[30] DE (10 2015 108 169.5) 2015-05-22

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[13] C
[51] **Int.Cl. A61B 90/11 (2016.01) A61B 17/17 (2006.01)**
[25] EN
[54] **POSITIONING AID FOR SURGICAL PROCEDURES**
[54] **AIDE AU POSITIONNEMENT POUR INTERVENTIONS CHIRURGICALES**
[72] ORTMAIER, TOBIAS, DE
[72] MAJDANI, OMID, DE
[72] RAU, THOMAS STEPHAN, DE
[72] LENARZ, THOMAS, DE
[72] KOBLER, JAN-PHILIPP, DE
[72] KLUGE, MARCEL, DE
[72] JOHN, SAMUEL, DE
[73] OTOJIG GMBH, DE
[85] 2017-11-10
[86] 2015-06-08 (PCT/DE2015/100227)
[87] (WO2016/198032)

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[51] **Int.Cl. B23Q 1/62 (2006.01) B25J 9/02 (2006.01)**
[25] EN
[54] **POSITIONING SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT**
[72] PENN, JAMES DOUGLASS, US
[73] PENN, JAMES DOUGLASS, US
[85] 2017-11-20
[86] 2015-06-01 (PCT/US2015/033625)
[87] (WO2015/184468)
[30] US (62/005,329) 2014-05-30

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[51] **Int.Cl. H04L 41/50 (2022.01) H04W 24/10 (2009.01) H04N 21/00 (2011.01) H04L 43/022 (2022.01) H04L 43/06 (2022.01) H04L 43/08 (2022.01) H04L 65/80 (2022.01) H04L 67/02 (2022.01)**
[25] EN
[54] **MIDDLEWARE DELIVERY OF DASH CLIENT QOE METRICS**
[54] **FOURNITURE D'UN INTERGICIEL DE MESURE QOE DE CLIENT DASH**
[72] GHOLMIEH, RALPH AKRAM, US
[72] PAZOS, CARLOS MARCELO DIAS, US
[72] NAIK, NAGARAJU, US
[72] STOCKHAMMER, THOMAS, US
[72] LO, CHARLES NUNG, US
[73] QUALCOMM INCORPORATED, US
[85] 2017-11-20
[86] 2016-06-17 (PCT/US2016/038150)
[87] (WO2016/205697)
[30] US (62/182,267) 2015-06-19
[30] US (15/184,451) 2016-06-16

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[13] C
[51] **Int.Cl. D21C 1/00 (2006.01) C07G 1/00 (2011.01)**
[25] EN
[54] **A METHOD AND AN APPARATUS FOR WASHING A CRUDE LIGNIN, A SOLUBLE CARBOHYDRATE CONTAINING FRACTION, A SOLID FRACTION AND THEIR USE**
[54] **PROCEDE ET APPAREIL DE LAVAGE D'UNE LIGNINE BRUTE, FRACTION CONTENANT DES HYDRATES DE CARBONE SOLUBLES, FRACTION SOLIDE ET LEUR UTILISATION**
[72] TURUNEN, SAMI, FI
[72] TAMPER, JUHA, FI
[73] UPM-KYMMENE CORPORATION, FI
[85] 2017-11-21
[86] 2016-05-26 (PCT/FI2016/050363)
[87] (WO2016/193536)
[30] FI (20155413) 2015-05-29

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[51] **Int.Cl. H04N 21/43 (2011.01) H04H 60/40 (2009.01) H04N 21/434 (2011.01) H04L 7/00 (2006.01)**
[25] EN
[54] **RECEPTION APPARATUS AND DATA PROCESSING METHOD**
[54] **DISPOSITIF DE RECEPTION, ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] MICHAEL, LACHLAN BRUCE, JP
[72] TAKAHASHI, KAZUYUKI, JP
[72] OKADA, SATOSHI, JP
[72] HIRAYAMA, YUICHI, JP
[73] SONY CORPORATION, JP
[85] 2017-11-30
[86] 2016-07-22 (PCT/JP2016/071567)
[87] (WO2017/026249)
[30] JP (2015-157708) 2015-08-07

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[51] **Int.Cl. C10G 70/04 (2006.01) B01D 53/14 (2006.01) C10L 3/10 (2006.01) E21B 43/36 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DEHYDRATION OF A HYDROCARBON GAS**
[54] **PROCEDE ET APPAREIL POUR LA DESHYDRATATION D'UN GAZ HYDROCARBONE**
[72] JOHANNESSEN, EIVIND, NO
[72] MARAK, KNUT ARILD, NO
[72] KOJEN, GRY PEDERSEN, NO
[72] FREDHEIM, ARNE OLAV, NO
[73] STATOIL PETROLEUM AS, NO
[85] 2017-12-01
[86] 2015-06-05 (PCT/EP2015/062593)
[87] (WO2016/192813)

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[25] EN
[54] **KNIT BRA AND METHOD OF MANUFACTURE THEREOF**
[54] **SOUTIEN-GORGE TRICOTE ET SON PROCEDE DE FABRICATION**
[72] BARNES, KRISTEN ELIZABETH, CA
[72] PLANTE, ALEXANDRA CARMELA, CA
[72] DANDAPURE, YOGENDRA V., CA
[72] DIXON, LAURA RENEE, CA
[72] HUFFA, BRUCE, US
[73] LULULEMON ATHLETICA CANADA INC., CA
[85] 2017-11-28
[86] 2016-06-03 (PCT/US2016/035898)
[87] (WO2016/197051)
[30] US (62/170,467) 2015-06-03

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[13] C
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/565 (2006.01)**
[25] EN
[54] **ORODISPERSIBLE TABLET CONTAINING ESTETROL**
[54] **COMPRIME ORODISPERSIBLE CONTENANT DE L'ESTETROL**
[72] JASPART, SEVERINE FRANCINE ISABELLE, BE
[72] PLATTEEUW, JOHANNES JAN, NL
[72] VAN DEN HEUVEL, DENNY JOHAN MARIJN, NL
[73] ESTETRA SRL, BE
[85] 2017-12-05
[86] 2016-06-20 (PCT/EP2016/064181)
[87] (WO2016/203044)
[30] EP (15172755.9) 2015-06-18

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[25] EN
[54] **STAIN REMOVAL THROUGH NOVEL OXIDIZER AND CHELANT COMBINATION**
[54] **ELIMINATION DE TACHES AU MOYEN D'UNE NOUVELLE COMBINAISON D'OXYDANT ET D'AGENT CHELATANT**
[72] DOTZAUER, DAVID, US
[72] MANSERGH, JOHN, US
[72] KUTZ OTTING, KRISTA, US
[72] FOSTER, TOBIAS NEIL, DE
[73] ECOLAB USA INC., US
[85] 2018-01-02
[86] 2015-07-06 (PCT/EP2015/065399)
[87] (WO2017/005298)

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[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **METHOD FOR GENE OPTIMIZATION**
[54] **PROCEDE D'OPTIMISATION GENIQUE**
[72] PAUL, WYATT, FR
[72] TEMME, NORA, DE
[73] GENECTIVE, FR
[85] 2018-01-04
[86] 2016-07-06 (PCT/EP2016/066045)
[87] (WO2017/005819)
[30] EP (15306105.6) 2015-07-06

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[13] C
[51] **Int.Cl. E21B 17/042 (2006.01) F16L 15/00 (2006.01)**
[25] EN
[54] **THREADED CONNECTION HAVING HIGH GALLING RESISTANCE AND METHOD OF MAKING SAME**
[54] **RACCORD FILETE PRESENTANT UNE HAUTE RESISTANCE AU GRIPPAGE ET SON PROCEDE DE FABRICATION**
[72] ALARIA, ALBERTO, IT
[72] CANAVERA, ANGELO, IT
[73] PEGASUS S.R.L., IT
[85] 2018-01-04
[86] 2016-07-06 (PCT/IB2016/054051)
[87] (WO2017/006262)
[30] US (14/792,077) 2015-07-06

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[13] C
[51] **Int.Cl. A61M 5/315 (2006.01) G16H 20/17 (2018.01)**
[25] EN
[54] **DOSE CONTROL SYSTEM FOR INJECTABLE-DRUG DELIVERY DEVICES AND ASSOCIATED METHODS OF USE**
[54] **SYSTEME DE REGLAGE DES DOSES POUR DISPOSITIFS D'ADMINISTRATION DE MEDICAMENTS INJECTABLES ET METHODES D'UTILISATION ASSOCIEES**
[72] MARCOZ, ALAIN, FR
[72] JEZ, EMMANUEL, FR
[72] DIOGO, SYLVAIN, FR
[72] GOURBET, PATRICE, FR
[72] PEREIRA, ALEXANDRE, FR
[72] POLLARD, MATHIEU, FR
[72] GILLET, KEVIN, FR
[73] BIOCORP PRODUCTION S.A., FR
[85] 2018-01-08
[86] 2015-07-21 (PCT/IB2015/001770)
[87] (WO2017/013463)

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[13] C
[51] **Int.Cl. A61K 31/10 (2006.01) A61K 31/56 (2006.01) A61P 31/02 (2006.01)**
[25] EN
[54] **CATIONIC STEROIDAL ANTIMICROBIAL SALTS**
[54] **SELS ANTIMICROBIENS STEROIDIENS CATIONIQUES**
[72] SAVAGE, PAUL B., US
[72] CHITRE, SAURABH SHASHIKANT, GB
[72] VARIA, KUNAL ARVIND, IN
[72] REECE, HAYLEY ANN, GB
[72] JACKS, THOMAS ELLIOT, US
[72] MILLER, ROSS ALLEN, US
[72] RANDALL, JARED LYNN, US
[73] BRIGHAM YOUNG UNIVERSITY, US
[85] 2018-01-08
[86] 2016-04-22 (PCT/US2016/028921)
[87] (WO2016/172534)
[30] US (62/151,019) 2015-04-22
[30] US (62/165,013) 2015-05-21
[30] US (62/191,916) 2015-07-13
[30] US (15/135,928) 2016-04-22

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[13] C
[51] **Int.Cl. B60B 37/10 (2006.01)**
[25] EN
[54] **WHEEL AXLE ASSEMBLY FOR A CARRY BAG**
[54] **ASSEMBLAGE D'ESSIEU DE ROUE POUR UN SAC FOURRE-TOUT**
[72] CARTER, MARK C., US
[73] INTERNATIONAL E-Z UP, INC., US
[85] 2018-01-09
[86] 2016-05-19 (PCT/US2016/033308)
[87] (WO2016/209436)
[30] US (14/746,478) 2015-06-22

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[13] C
[51] **Int.Cl. G01W 1/10 (2006.01) G06F 17/18 (2006.01)**
[25] EN
[54] **COMPUTER-BASED REPRESENTATION OF PRECIPITATION**
[54] **REPRESENTATION INFORMATISEE DE PRECIPITATIONS**
[72] KLEEMAN, ALEX, US
[72] SMALL, TODD, US
[73] CLIMATE LLC, US
[85] 2018-01-11
[86] 2016-04-26 (PCT/US2016/029388)
[87] (WO2017/011054)
[30] US (14/798,256) 2015-07-13

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[13] C
[51] **Int.Cl. G06N 7/00 (2006.01) G06N 5/00 (2006.01) G06Q 30/00 (2012.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR APPLYING PROBABILISTIC TOPIC MODELS TO CONTENT IN A TAX ENVIRONMENT TO IMPROVE USER SATISFACTION WITH A QUESTION AND ANSWER CUSTOMER SUPPORT SYSTEM**
[54] **PROCEDE ET SYSTEME D'APPLICATION DE MODELES THEMATIQUES PROBABILISTES A UN CONTENU DANS UN ENVIRONNEMENT FISCAL DE FACON A ACCROITRE LA SATISFACTION DE L'UTILISATEUR AVEC UN SYSTE ME D'AIDE AU CLIENT PAR QUESTIONS ET REPONSES**
[72] PODGORNY, IGOR A., US
[72] KOONSE, BENJAMIN JOHN, US
[73] INTUIT INC., US
[85] 2018-01-12
[86] 2016-07-29 (PCT/US2016/044687)
[87] (WO2017/023742)
[30] US (14/814,765) 2015-07-31

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[13] C
[51] **Int.Cl. G06T 3/00 (2006.01) G06T 5/00 (2006.01) G06T 7/20 (2017.01) H04N 5/232 (2006.01)**
[25] EN
[54] **STABILIZING VIDEO USING TRANSFORMATION MATRICES**
[54] **STABILISATION DE VIDEO AU MOYEN DE MATRICES DE TRANSFORMATION**
[72] HONG, WEI, US
[72] CARCERONI, RODRIGO, US
[73] GOOGLE LLC, US
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[86] 2016-09-23 (PCT/US2016/053252)
[87] (WO2017/065952)
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[25] EN
[54] **WELDING GUN WITH LOCKABLE ROTATION MECHANISM**
[54] **PISTOLET DE SOUDAGE DOTE D'UN MECANISME DE ROTATION VERROUILLABLE**
[72] GAGNON, MICHEL, CA
[73] HENLEX INC., CA
[85] 2018-02-06
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[25] EN
[54] **MEDICAL HOLDING ARM HAVING ANNULAR LED DISPLAY MEANS**
[54] **BRAS DE SUPPORT MEDICAL DOTE DE MOYENS D'AFFICHAGE A LED**
[72] NOWATSCHIN, STEPHAN, DE
[72] KRINNINGER, MAXIMILIAN, DE
[72] GIERLACH, DOMINIKUS, DE
[73] BRAINLAB ROBOTICS GMBH, DE
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[51] **Int.Cl. G01V 3/14 (2006.01) G01N 24/08 (2006.01) G01R 33/44 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR ON-LINE DETECTION OF MAGNETIC RESONANCE SIGNALS FROM A TARGET MATERIAL IN A MINERAL SLURRY**
[54] **APPAREIL POUR DETECTION EN LIGNE DE SIGNAUX DE RESONANCE MAGNETIQUE PROVENANT D'UN MATERIAU CIBLE DANS UNE BOUE MINERALE**
[72] MILJAK, DAVID GEOFFREY, AU
[72] COGHILL, PETER JOHN, AU
[72] LEHMANN-HORN, JOCHEN, FR
[72] LOVRIC, BOJAN, AU
[72] YONG, RICHARD, AU
[73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[85] 2018-02-14
[86] 2016-08-24 (PCT/AU2016/050776)
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[51] **Int.Cl. H04Q 9/00 (2006.01)**
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[54] **SELF TEST DEVICE AND METHOD FOR WIRELESS SENSOR READER**
[54] **DISPOSITIF D'AUTO-TEST ET PROCEDE RELATIF A UN LECTEUR DE CAPTEUR SANS FIL**
[72] SUNDARAM, BALAMURUGAN, US
[72] NAGY, MICHAEL, US
[72] NIELSEN, DOUGLAS, US
[72] SUNDARAM, SURESH, US
[73] ENDOTRONIX, INC., US
[85] 2018-02-28
[86] 2016-09-02 (PCT/US2016/050081)
[87] (WO2017/040911)
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[51] **Int.Cl. C07D 471/12 (2006.01) A61K 31/437 (2006.01) A61K 31/4375 (2006.01) C07D 471/18 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMPOUNDS FOR PAIN AND SYNTHESIS THEREOF**
[54] **COMPOSES THERAPEUTIQUES CONTRE LA DOULEUR ET LEUR SYNTHESE**
[72] DECORTE, BART LIEVEN DANIEL, US
[72] RUSSCHER, JACOB CORNELIS, NL
[72] MONNEE, MENNO CORNELIS FRANCISCUS, NL
[73] JANSSEN PHARMACEUTICA NV, BE
[85] 2018-03-02
[86] 2016-09-01 (PCT/US2016/049881)
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[30] US (62/214,727) 2015-09-04
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[25] EN
[54] **T-BOLT FOR DOCK LIP**
[54] **BOULON EN T POUR LEVRE DE QUAI**
[72] YULE, ROBERT CAMPBELL, CA
[72] CRUZ, PAULO JORGE DA SILVA, CA
[72] MCEACHERN, WILLIAM, CA
[73] BLUE GIANT EQUIPMENT CORPORATION, CA
[85] 2018-03-08
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[30] US (62/217,062) 2015-09-11
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[25] EN
[54] **A BATCH PROCESS FOR PRODUCING BIO-OIL FROM SPENT BLACK LIQUOR**
[54] **PROCEDE DISCONTINU DE PRODUCTION DE BIO-HUILE A PARTIR D'UNE LIQUEUR NOIRE USEE**
[72] KUGGE, CHRISTIAN, SE
[72] HULTGREN, ANDERS, SE
[72] FROJDHOLM, HAMPUS, SE
[73] SCA FOREST PRODUCTS AB, SE
[85] 2018-03-13
[86] 2015-09-16 (PCT/SE2015/050970)
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[54] **REHABILITATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE REEDUCATION**
[72] SAPIN, JULIEN, BE
[72] DEHEZ, BRUNO, BE
[72] GILLIAUX, MAXIME, BE
[73] UNIVERSITE CATHOLIQUE DE LOUVAIN, BE
[85] 2018-03-21
[86] 2016-09-23 (PCT/EP2016/072676)
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[30] EP (15186494.9) 2015-09-23

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[51] **Int.Cl. H02K 3/26 (2006.01) H02K 9/22 (2006.01)**
[25] EN
[54] **STRUCTURES AND METHODS FOR CONTROLLING LOSSES IN PRINTED CIRCUIT BOARDS**
[54] **STRUCTURES ET PROCEDES DE COMMANDE DE PERTES DANS DES CARTES DE CIRCUIT IMPRIME**
[72] SHAW, STEVEN ROBERT, US
[73] E-CIRCUIT MOTORS, INC., US
[85] 2018-03-26
[86] 2016-09-30 (PCT/US2016/054794)
[87] (WO2017/059257)
[30] US (62/236,407) 2015-10-02
[30] US (62/236,422) 2015-10-02
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[51] **Int.Cl. F03D 5/00 (2006.01) F03D 9/10 (2016.01) F03B 17/06 (2006.01)**
[25] EN
[54] **TRANSLATING FOIL SYSTEM FOR HARVESTING KINETIC ENERGY FROM WIND AND FLOWING WATER**
[54] **SYSTEME D'AILE PORTANTE A MOUVEMENT DE TRANSLATION PERMETTANT DE RECUPERER DE L'ENERGIE CINETIQUE DU VENT ET DES EAUX VIVES**
[72] DYSARSZ, HANS, CA
[73] DYSARSZ, HANS, CA
[85] 2018-04-04
[86] 2016-01-07 (PCT/CA2016/050012)
[87] (WO2016/109895)
[30] US (14/592,719) 2015-01-08

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[25] EN
[54] **MODIFIED RELEASE FORMULATION OF NAPROXEN SODIUM**
[54] **FORMULATION A LIBERATION MODIFIEE DE NAPROXENE SODIQUE**
[72] SIRIHORACHAI, RACHAN, US
[72] ROSAR, PAUL, US
[73] BAYER HEALTHCARE LLC, US
[85] 2018-04-06
[86] 2015-10-09 (PCT/US2015/054873)
[87] (WO2017/062027)

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[51] **Int.Cl. H04W 36/16 (2009.01) H04W 36/22 (2009.01)**
[25] EN
[54] **TECHNIQUES FOR MINIMIZING USER DISRUPTION DURING NETWORK CONNECTION SWITCHING**
[54] **TECHNIQUES DE MINIMISATION DE PERTURBATION D'UTILISATEUR PENDANT LE CHANGEMENT DE CONNEXION DE RESEAU**
[72] HO, CASEY KWOK CHING, US
[72] TAN, WEIHUA, US
[73] GOOGLE LLC, US
[85] 2018-04-11
[86] 2016-12-14 (PCT/US2016/066524)
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[51] **Int.Cl. C08B 37/16 (2006.01) A61K 31/724 (2006.01) A61K 49/00 (2006.01)**
[25] EN
[54] **POLYROTAXANES BEARING MIXED CYCLODEXTRIN SPECIES AND USES THEREOF**
[54] **POLYROTAXANES PORTANT DES ESPECES CYCLODEXTRINE MIXTES ET LEURS UTILISATIONS**
[72] THOMPSON, DAVID H., US
[72] MONDJINOU, YAWO, US
[72] HYUN, SEOK-HEE, US
[72] COLLINS, CHRISTOPHER, US
[73] PURDUE RESEARCH FOUNDATION, US
[85] 2018-04-16
[86] 2016-10-14 (PCT/US2016/057202)
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[30] US (62/241,413) 2015-10-14

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[13] C
[51] **Int.Cl. B29C 73/10 (2006.01) B64F 5/40 (2017.01)**
[25] EN
[54] **STRUCTURAL PRE-CURED REPAIR PATCH FOR REPAIR TO HIGHLY LOADED PRIMARY AND SECONDARY STRUCTURAL COMPONENTS**
[54] **PIECE DE REPARATION PREDURCIE STRUCTURELLE DESTINEE A LA REPARATION DE COMPOSANTES STRUCTURELLES PRIMAIRES ET SECONDAIRES FORTEMENT CHARGEES**
[72] BERTRAND, BLAKE A., US
[72] LEWIS, ARNE K., US
[73] THE BOEING COMPANY, US
[86] (3002826)
[87] (3002826)
[22] 2018-04-25
[30] US (15/646606) 2017-07-11

[11] **3,002,857**
[13] C
[51] **Int.Cl. H01M 10/052 (2010.01) H01M 10/058 (2010.01) H01M 4/02 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL CELL HAVING THIN METAL FOIL PACKAGING AND A METHOD FOR MAKING SAME**
[54] **PILE ELECTROCHIMIQUE A BOITIER EN FEUILLE METALLIQUE MINCE ET SON PROCEDE DE FABRICATION**
[72] AMATUCCI, GLENN, US
[72] PLITZ, IRENE, US
[72] SUNG, LINDA, US
[72] FERRER, ANTHONY, US
[73] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
[85] 2018-04-20
[86] 2016-10-27 (PCT/US2016/059071)
[87] (WO2017/079025)
[30] US (62/249,590) 2015-11-02

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[51] **Int.Cl. B32B 41/00 (2006.01) B32B 5/08 (2006.01) B32B 5/12 (2006.01) B32B 38/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING THE DIRECTION AND SPACING OF FIBER PATHS FOR A COMPOSITE PLY**
[54] **SYSTEME ET METHODE DE DETERMINATION DE LA DIRECTION ET L'ESPACEMENT DE CHEMINS DE FIBRES D'UN PLI COMPOSITE**
[72] WINFREE, TROY, US
[72] BLOM-SCHIEBER, ADRIANA, US
[73] THE BOEING COMPANY, US
[86] (3003513)
[87] (3003513)
[22] 2018-04-30
[30] US (15/634,837) 2017-06-27

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[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 20/40 (2012.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UPDATING STORED CARDHOLDER ACCOUNT DATA**
[54] **SYSTEMES ET PROCEDES DE MISE A JOUR DE DONNEES DE COMPTE DE TITULAIRE DE CARTE STOCKEES**
[72] ROSANO, SHARON A., US
[73] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-04-27
[86] 2016-10-26 (PCT/US2016/058757)
[87] (WO2017/074990)
[30] US (14/923,649) 2015-10-27

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[25] EN
[54] **COMPLEX CARBONITRIDE POWDER AND METHOD FOR PRODUCING SAME**
[54] **POUDRE DE CARBONITRIDE COMPLEXE ET METHODE DE PRODUCTION ASSOCIEE**
[72] MICHIUCHI, MASATO, JP
[72] TSUDA, KEIICHI, JP
[72] MINATO, YOSHIHIRO, JP
[72] ISHIDA, TOMOYUKI, JP
[72] MATSUMOTO, AKIHIDE, JP
[72] HAYASHI, TAKEHIKO, JP
[73] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP
[85] 2018-05-01
[86] 2016-10-21 (PCT/JP2016/081311)
[87] (WO2017/077885)
[30] JP (2015-215721) 2015-11-02

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[51] **Int.Cl. B64C 3/26 (2006.01)**
[25] EN
[54] **SKIN-PANEL INTERFACE OF AN AIRCRAFT**
[54] **INTERFACE REVETEMENT-PANNEAU DESTINEE A UN AERONEF**
[72] ZEON, YOUNG L., US
[72] ACHTNER, GERFRIED R., US
[73] THE BOEING COMPANY, US
[86] (3004036)
[87] (3004036)
[22] 2018-05-02
[30] US (15/644,496) 2017-07-07

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[51] **Int.Cl. B64C 1/18 (2006.01) F16B 5/00 (2006.01) F16B 19/00 (2006.01)**
[25] EN
[54] **AIRCRAFT FLOOR PANEL FLOATING CONNECTION SYSTEM**
[54] **SYSTEME DE RACCORDEMENT FLOTTANT DE PANNEAU DE PLANCHER D'AERONEF**
[72] MILLS, CHRISTOPHER J., US
[72] JONES, TIMOTHY M., US
[73] THE BOEING COMPANY, US
[86] (3004249)
[87] (3004249)
[22] 2018-05-07
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[51] **Int.Cl. C01B 3/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR OBTAINING A MIXTURE FOR PRODUCING H2, CORRESPONDING MIXTURE**
[54] **PROCEDE ET APPAREIL POUR OBTENIR UN MELANGE POUR LA PRODUCTION DE H2, MELANGE CORRESPONDANT**
[72] LUGTIGHEID, GERARDUS WILHELMUS, NL
[73] H2FUEL-SYSTEMS B.V., NL
[85] 2018-05-04
[86] 2016-11-07 (PCT/NL2016/050775)
[87] (WO2017/078533)
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[51] **Int.Cl. F27B 9/02 (2006.01) F26B 15/10 (2006.01) F26B 15/14 (2006.01) F26B 25/00 (2006.01)**
[25] EN
[54] **VERTICAL OVEN FOR MAINLY FLAT PARTS**
[54] **FOUR VERTICAL POUR DES PIECES PRINCIPALEMENT PLATES**
[72] DOVADOLA, MASSIMO, IT
[72] GIOVANNINI, CRISTIAN, IT
[72] FRANZONI, LUIGI, IT
[73] CEFLA SOCIETA' COOPERATIVA, IT
[85] 2018-05-09
[86] 2017-03-16 (PCT/IB2017/051536)
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[30] IT (102016000028461) 2016-03-18

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[25] EN
[54] **CONTROLLING AUTONOMOUS VEHICLES IN CONNECTION WITH TRANSPORT SERVICES**
[54] **COMMANDE DE VEHICULES AUTONOMES EN CONNEXION AVEC DES SERVICES DE TRANSPORT**
[72] SWEENEY, MATTHEW, US
[72] BARTEL, EMILY, US
[72] VALOIS, JEAN-SEBASTIEN, US
[73] UBER TECHNOLOGIES, INC., US
[85] 2018-05-10
[86] 2016-11-21 (PCT/US2016/063203)
[87] (WO2017/087984)
[30] US (62/258,066) 2015-11-20
[30] US (15/358,033) 2016-11-21

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[13] C
[51] **Int.Cl. A61M 16/00 (2006.01) A61H 31/00 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **HUFF COUGH SIMULATION DEVICE**
[54] **DISPOSITIF DE SIMULATION DE TOUX A EXPIRATION PROLONGEE**
[72] COSTELLA, STEPHEN, CA
[72] MORTON, ROBERT, CA
[72] SCHMIDT, JAMES, CA
[73] TRUDELL MEDICAL INTERNATIONAL, CA
[85] 2018-05-18
[86] 2016-12-02 (PCT/IB2016/057311)
[87] (WO2017/093966)
[30] US (62/263,263) 2015-12-04

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[51] **Int.Cl. H04N 19/597 (2014.01) H04N 19/159 (2014.01) H04N 19/42 (2014.01) H04N 19/513 (2014.01) H04N 19/587 (2014.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPLEMENTING EFFICIENT DECODED BUFFER MANAGEMENT IN MULTI-VIEW VIDEO CODING**
[54] **SYSTEME ET PROCEDE POUR LA MISE EN OEUVRE D'UNE GESTION EFFICACE DE TAMPONS DECODES LORS D'UN CODAGE VIDEO MULTIVUE**
[72] CHEN, YING, FI
[72] WANG, YE-KUI, FI
[72] HANNUKSELA, MISKA, FI
[73] NOKIA TECHNOLOGIES OY, FI
[86] (3006093)
[87] (3006093)
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[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **DEVICE FOR PHOTO-THERAPY OF GROVER'S DISEASE AND USE THEREOF**
[54] **DISPOSITIF DE PHOTOTHERAPIE DE LA MALADIE DE GROVER ET UTILISATION ASSOCIEE**
[72] WOODBURN, WILLIAM, US
[73] WOODBURN, WILLIAM, US
[86] (3006134)
[87] (3006134)
[22] 2018-05-24
[30] US (15/608,588) 2017-05-30

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[25] EN
[54] **BELT SPLICING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D'EPISSAGE DE COURROIE**
[72] VAN'T SCHIP, JOHANNES STEFANUS, US
[72] PETTINGA, MARK STEVEN, US
[73] FLEXIBLE STEEL LACING COMPANY, US
[85] 2018-05-24
[86] 2016-12-02 (PCT/US2016/064757)
[87] (WO2017/096253)
[30] US (62/262,905) 2015-12-03

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[51] **Int.Cl. E21B 17/03 (2006.01) E21B 3/02 (2006.01)**
[25] EN
[54] **COMBINED MULTI-COUPLER FOR TOP DRIVE**
[54] **MULTI RACCORD COMBINE DESTINE A UN ENTRAINEMENT SUPERIEUR**
[72] METZLAFF, NORBERT, DE
[72] REINECKE, THOMAS, DE
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (3007123)
[87] (3007123)
[22] 2018-06-04
[30] US (15/627,237) 2017-06-19

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[51] **Int.Cl. B64C 25/60 (2006.01) F16C 29/02 (2006.01) F16C 33/04 (2006.01) F16C 33/10 (2006.01)**
[25] EN
[54] **LUBRICATION MECHANISM DESIGN FOR AIRCRAFT LANDING GEAR BEARINGS**
[54] **MODELE DE MECANISME DE LUBRIFICATION DESTINE AUX PALIERS DE TRAIN D'ATTERRISSAGE D'AERONEF**
[72] HEIRENDT, LAURENT, LU
[72] LIU, HUGH H., CA
[72] WANG, PHILLIP, CA
[73] SAFRAN LANDING SYSTEMS CANADA INC., CA
[86] (3007190)
[87] (3007190)
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[30] US (15622863) 2017-06-14

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[25] EN
[54] **HIGH INTEGRITY ENCAPSULATION PRODUCT**
[54] **PRODUIT D'ENCAPSULATION A HAUTE INTEGRITE**
[72] ZASYPKIN, DMITRIY, US
[72] PARANJPE, SHRIRAM, US
[72] REICK, MICHAEL, US
[72] SHEN, CHUNGSEA, US
[73] MCCORMICK & COMPANY, INCORPORATED, US
[85] 2018-06-14
[86] 2016-12-21 (PCT/US2016/068009)
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[30] US (62/270,797) 2015-12-22

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[51] **Int.Cl. G07F 19/00 (2006.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MOBILE DEVICE-ENABLED CARDLESS CASH WITHDRAWALS**
[54] **SYSTEMES ET METHODE DE RETRAITS DE FONDS SANS CARTE ACTIVES PAR UN DISPOSITIF MOBILE**
[72] CADY, DANEEN ELAINE, US
[72] GILBERT, KEVIN, US
[73] FISERV, INC., US
[86] (3010055)
[87] (3010055)
[22] 2018-06-28
[30] US (62/525,827) 2017-06-28
[30] US (16/020,714) 2018-06-27

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[13] C
[51] **Int.Cl. B64C 3/18 (2006.01) B64F 5/10 (2017.01) B64C 1/26 (2006.01)**
[25] EN
[54] **CO-CURED SPAR AND STRINGER CENTER WING BOX**
[54] **CAISSON DE VOILURE CENTRAL A LONGERON ET LISSE CODURCIS**
[72] EWING, RICHARD F., US
[73] THE BOEING COMPANY, US
[86] (3010856)
[87] (3010856)
[22] 2018-07-09
[30] US (15/683929) 2017-08-23

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[13] C
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **SECRETOME PROFILE-FACILITATED IN VITRO FERTILIZATION**
[54] **FECONDATION IN VITRO FACILITEE PAR LE PROFILAGE DU SECRETOME**
[72] SCHOOLCRAFT, WILLIAM B., US
[72] KATZ-JAFFE, MANDY, US
[72] MCREYNOLDS, SUSANNA, US
[73] FERTILITY LAB SCIENCES, LLC, US
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[87] (3011100)
[22] 2011-04-06
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[54] **BIOLOGICAL INDICATORS**
[54] **INDICATEURS BIOLOGIQUES**
[72] YIRAVA, WILLIAM A., US
[72] BEAHN, NICOLE M., US
[72] FRANCISKOVICH, PHILLIP P., US
[72] CREGGER, TRICIA, US
[73] AMERICAN STERILIZER COMPANY, US
[85] 2018-07-12
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[51] **Int.Cl. F16G 13/16 (2006.01) H02G 3/04 (2006.01)**
[25] EN
[54] **LINE GUIDE DEVICE WITH ELECTRICAL DETECTION OF DETERIORATION AND RADIO CIRCUIT FOR SAME**
[54] **DISPOSITIF DE GUIDAGE DE CONDUITE OU DE LIGNE A DETECTION D'USURE ELECTROTECHNIQUE ET CIRCUIT RADIO A CET EFFET**
[72] HERMEY, ANDREAS, DE
[72] BARTEN, DOMINIK, DE
[72] JAEKER, THILO-ALEXANDER, DE
[72] SCHMER, KONSTANTIN, DE
[73] IGUS GMBH, DE
[85] 2018-07-16
[86] 2017-01-27 (PCT/EP2017/051870)
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[30] DE (20 2016 000 501.5) 2016-01-28
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[25] EN
[54] **APPARATUS AND SYSTEM FOR EXCHANGING HEAT WITH A FLUID**
[54] **APPAREIL ET SYSTEME D'ECHANGE DE CHALEUR AVEC UN FLUIDE**
[72] STEINER, THOMAS WALTER, CA
[72] HOY, MICHAEL, CA
[72] ARCHIBALD, GEOFFREY DONALD STALKER, CA
[72] GOTTFRIED, KRISTJAN, CA
[72] KANEMARU, TAKAO, CA
[72] MEDARD DE CHARDON, BRIAC, CA
[73] ETALIM INC., CA
[85] 2018-07-18
[86] 2017-01-18 (PCT/CA2017/000010)
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[30] US (62/281,548) 2016-01-21

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[51] **Int.Cl. G06F 3/048 (2013.01) G06F 9/44 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PERSONALIZING SOFTWARE BASED ON REAL TIME TRACKING OF VOICE-OF-CUSTOMER FEEDBACK**
[54] **PROCEDE ET SYSTEME PERMETTANT DE PERSONNALISER UN LOGICIEL SUR LA BASE D'UN SUIVI EN TEMPS REEL DE LA RETROACTION VOIX DU CLIENT**
[72] PODGORNY, IGOR A., US
[72] BARTOLOME, WARREN, US
[72] HUNG, KELVIN, US
[72] INDYK, BENJAMIN, US
[73] INTUIT INC., US
[85] 2018-07-31
[86] 2017-02-06 (PCT/US2017/016693)
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[30] US (15/044,783) 2016-02-16

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[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **TLR7 AGONIST CRYSTALLINE FORM A, PREPARATION METHOD AND USE THEREOF**
[54] **FORME CRISTALLINE A D'UN AGONISTE DE TLR7, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] DING, ZHAOZHONG, CN
[72] SUN, FEI, CN
[72] HU, YINGHU, CN
[72] ZHOU, YILONG, CN
[72] WANG, ZHENG, CN
[72] ZHAO, RUI, CN
[72] YANG, LING, CN
[73] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2018-08-02
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[25] EN
[54] **METHOD FOR PREPARING PYRROLO[3,2-D]PYRIMIDINE COMPOUND, AND INTERMEDIATES THEREOF**
[54] **PROCEDE DE PREPARATION D'UN COMPOSE PYRROLO[3,2-D]PYRIMIDINE, ET SES INTERMEDIAIRES**
[72] DING, ZHAOZHONG, CN
[72] SUN, FEI, CN
[72] HU, YINGHU, CN
[72] ZHOU, YILONG, CN
[72] ZHAO, RUI, CN
[72] YANG, LING, CN
[73] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
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[51] **Int.Cl. B65H 45/24 (2006.01)**
[25] EN
[54] **A SUCTION ROLLER STRUCTURE FOR AN INTERLEAVING MACHINE**
[54] **STRUCTURE DE ROULEAU D'ASPIRATION POUR MACHINE D'ENCARTAGE**
[72] LUPI, GIUSEPPE, IT
[72] TORRI, ANGELO, IT
[72] GIOMETTI, GIANLUCA, IT
[73] UNITED CONVERTING S.R.L., IT
[85] 2018-08-02
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[51] **Int.Cl. G16H 20/10 (2018.01)**
[25] EN
[54] **METHOD OF MONITORING MEDICATION REGIMEN WITH PORTABLE APPARATUS**
[54] **PROCEDE DE SURVEILLANCE DU TRAITEMENT MEDICAMENTEUX A L'AIDE D'UN APPAREIL PORTABLE**
[72] CHEN, YU-PEI, CA
[72] LIU, NAI-CHIA, CA
[73] CHEN, YU-PEI, CA
[73] LIU, NAI-CHIA, CA
[86] (3013602)
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[25] EN
[54] **PEPTIDE DERIVATIVE AND USE THEREOF**
[54] **DERIVE PEPTIDIQUE ET SON UTILISATION**
[72] NISHIO, YUKIHIRO, JP
[72] YOKOSAKA, SHINYA, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2018-08-13
[86] 2017-03-29 (PCT/JP2017/012797)
[87] (WO2017/170637)
[30] JP (2016-065737) 2016-03-29

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[51] **Int.Cl. G16H 40/20 (2018.01) G16H 50/30 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REMOTE MONITORING OF NON-CRITICALLY ILL HOSPITALIZED PATIENTS**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE A DISTANCE DE PATIENTS HOSPITALISES NON GRAVEMENT MALADES**
[72] CANTILLON, DANIEL J., US
[72] LOY, MOLLY, US
[73] THE CLEVELAND CLINIC FOUNDATION, US
[85] 2018-08-15
[86] 2017-02-14 (PCT/US2017/017776)
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[25] EN
[54] **SILOXANE MONOMER, COMPOSITION FOR PREPARATION OF SILICONE HYDROGEL LENS CONTAINING SAME, AND SILICONE HYDROGEL LENS**
[54] **MONOMERE DE SILOXANE, COMPOSITION POUR LA PREPARATION D'UNE LENTILLE EN HYDROGEL DE SILICONE LE CONTENANT, ET LENTILLE EN HYDROGEL DE SILICONE**
[72] HYUN, SANG IL, KR
[72] LEE, SOO CHANG, KR
[72] OH, KYUNG HEE, KR
[72] SHIN, DONG HUN, KR
[73] INTEROJO INC., KR
[85] 2018-08-16
[86] 2017-02-17 (PCT/KR2017/001759)
[87] (WO2017/142343)
[30] KR (10-2016-0018978) 2016-02-18
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[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/378 (2006.01) G06N 3/12 (2006.01)**
[25] EN
[54] **WAVEFORM SHAPES FOR TREATING NEUROLOGICAL DISORDERS OPTIMIZED FOR ENERGY EFFICIENCY**
[54] **PROFILS DE FORME D'ONDE POUR LE TRAITEMENT DE TROUBLES NEUROLOGIQUES OPTIMISES POUR UNE EFFICACITE ENERGETIQUE**
[72] GRILL, WARREN M., US
[72] WONGSARNPIGOON, AMORN, US
[73] NDI MEDICAL, LLC, US
[86] (3014965)
[87] (3014965)
[22] 2011-05-27
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[51] **Int.Cl. B61H 13/20 (2006.01) B61H 13/38 (2006.01)**
[25] EN
[54] **PARKING BRAKE CONTROL**
[54] **COMMANDE DE FREIN DE STATIONNEMENT**
[72] GAUGHAN, EDWARD W., US
[72] POTTER, WILLIAM JOHN, US
[73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[85] 2018-08-23
[86] 2017-03-02 (PCT/US2017/020346)
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[30] US (62/302,999) 2016-03-03

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[51] **Int.Cl. G09F 17/00 (2006.01) E04H 12/32 (2006.01)**
[25] EN
[54] **SMARTFLAG**
[54] **DRAPEAU INTELLIGENT**
[72] MARTINSEN, PER OYVIND, NO
[72] MARTINSEN, PREBEN N., NO
[73] MARTINSEN, PER OYVIND, NO
[73] MARTINSEN, PREBEN N., NO
[85] 2018-08-28
[86] 2017-03-15 (PCT/NO2017/050067)
[87] (WO2017/160161)
[30] NO (20160463) 2016-03-16

[11] **3,016,324**
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[51] **Int.Cl. F16F 15/03 (2006.01) B64G 1/22 (2006.01) H02K 49/10 (2006.01) H03H 7/01 (2006.01)**
[25] EN
[54] **SYSTEMS AND TUNED MAGNETIC DASHPOTS FOR USING INDUCTOR(S) IN MAGNETIC SKYHOOK DAMPER ISOLATION**
[54] **SYSTEMES ET AMORTISSEURS MAGNETIQUES ACCORDES POUR UTILISER UN OU DES INDUCTEURS DANS UNE ISOLATION D'AMORTISSEUR MAGNETIQUE DE CHARIOT AERIEN AUTOMOBILE**
[72] GRIFFIN, STEVEN, US
[73] THE BOEING COMPANY, US
[86] (3016324)
[87] (3016324)
[22] 2018-08-31
[30] US (15/727,152) 2017-10-06

[11] **3,016,919**
[13] C
[51] **Int.Cl. D21F 1/48 (2006.01)**
[25] EN
[54] **SUPPORTING MECHANISM FOR A PAPERMAKING MACHINE DEWATERING BLADE**
[54] **MECANISME DE SUPPORT POUR UNE LAME D'ESSORAGE DE MACHINE A PAPIER**
[72] COHEN, DAVID, US
[72] LAMOUREUX, STEPHEN, US
[73] ANDRITZ INC., US
[85] 2018-09-06
[86] 2017-03-16 (PCT/US2017/022640)
[87] (WO2017/161077)
[30] US (62/309,519) 2016-03-17

[11] **3,017,613**
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[51] **Int.Cl. A61K 8/81 (2006.01) A61Q 1/00 (2006.01) A61Q 5/06 (2006.01) A61Q 5/12 (2006.01) A61Q 19/00 (2006.01) C08F 220/60 (2006.01)**
[25] EN
[54] **COLOR PROTECTING, AND STYLING COMPOSITIONS COMPRISING AN APTAC/MAPLDMAC/ACRYLATE TERPOLYMER OR TETRAPOLYMER**
[54] **COMPOSITIONS DE PROTECTION DES COULEURS ET DE COIFFURE COMPRENANT UN TERPOLYMERE OU UN TETRAPOLYMER APTAC/MAPLDMAC/ACRYLATE**
[72] KHATUN, AMNA, GB
[72] FRANZKE, MICHAEL, NL
[72] KULCSAR, LIDIA, US
[72] KROON, GIJSBERT, NL
[72] FOLTIS, LINDA C., US
[73] ISP INVESTMENTS LLC, US
[85] 2018-09-12
[86] 2017-03-15 (PCT/US2017/022575)
[87] (WO2017/161036)
[30] US (62/307,843) 2016-03-14

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[13] C
[51] **Int.Cl. H05K 5/02 (2006.01) F21V 29/83 (2015.01) F21V 23/00 (2015.01) H02G 3/08 (2006.01) H05K 5/03 (2006.01) H05B 45/30 (2020.01) H05B 45/357 (2020.01)**
[25] EN
[54] **JUNCTION BOX FOR LED DRIVERS**
[54] **BOITE DE RACCORDEMENT POUR EXCITATEURS DE DEL**
[72] BUCK, WESLEY, US
[72] PETERSEN, RUSSELL, US
[73] ELEMENTAL LED, INC., US
[85] 2018-09-14
[86] 2017-03-13 (PCT/US2017/022129)
[87] (WO2017/160738)
[30] US (62/309,744) 2016-03-17
[30] US (62/436,318) 2016-12-19
[30] US (15/454,476) 2017-03-09

[11] **3,018,862**
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[51] **Int.Cl. B60D 1/48 (2006.01) A01B 59/043 (2006.01) A01B 69/00 (2006.01) B60D 1/28 (2006.01) B60D 1/30 (2006.01) B60D 1/36 (2006.01) B60D 1/42 (2006.01)**
[25] EN
[54] **SYSTEM FOR CONNECTING IMPLEMENT TO MOBILE MACHINERY**
[54] **SYSTEME POUR RELIER UN OUTIL A DES MACHINES MOBILES**
[72] MOLLICK, PETER J., US
[73] MOLLICK, PETER J., US
[86] (3018862)
[87] (3018862)
[22] 2018-09-27

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[51] **Int.Cl. B65D 19/06 (2006.01) B65D 19/00 (2006.01) B65D 19/02 (2006.01) B65D 19/12 (2006.01) B65D 19/16 (2006.01) B65D 19/20 (2006.01)**
[25] EN
[54] **PALLET AND CONTAINER KIT**
[54] **PALETTE ET KIT POUR CONTENANT**
[72] HERBECK, JOSHUA DANIEL, US
[72] VAN DE MARK, GREGORY D., US
[73] GREEN OX PALLET TECHNOLOGY, LLC, US
[85] 2018-10-09
[86] 2017-04-17 (PCT/US2017/027903)
[87] (WO2017/181172)
[30] US (62/323,486) 2016-04-15
[30] US (62/409,762) 2016-10-18
[30] US (62/422,254) 2016-11-15
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[13] C
[51] **Int.Cl. C02F 1/42 (2006.01) C02F 1/58 (2006.01)**
[25] EN
[54] **A SUSTAINABLE SYSTEM AND METHOD FOR REMOVING AND CONCENTRATING PER-AND POLYFLUOROALKYL SUBSTANCES (PFAS) FROM WATER**
[54] **SYSTEME DURABLE ET PROCEDE POUR RETIRER ET CONCENTRER DES SUBSTANCES DE PERFLUOROALKYLE ET DE POLYFLUOROALKYLE (PFAS) A PARTIR D'EAU**
[72] NICKELSEN, MICHAEL G., US
[72] WOODARD, STEVEN E., US
[73] EMERGING COMPOUNDS TREATMENT TECHNOLOGIES, INC., US
[85] 2018-10-11
[86] 2017-04-03 (PCT/US2017/025754)
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[30] US (62/321,929) 2016-04-13
[30] US (15/477,350) 2017-04-03

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[13] C
[51] **Int.Cl. A61K 36/076 (2006.01) A61P 21/00 (2006.01) C07J 9/00 (2006.01)**
[25] EN
[54] **USES OF PORIA COCOS EXTRACT AND TUMULOSIC ACID IN PROTECTING MUSCLES**
[54] **UTILISATIONS D'UN EXTRAIT DE PORIA COCOS ET D'ACIDE TUMULOSIQUE DANS LA PROTECTION DES MUSCLES**
[72] WANG, CHAO-JIH, CN
[72] KUO, HAN-PENG, CN
[72] YEH, AI-LING, CN
[73] SINPHAR TIAN-LI PHARMACEUTICAL CO., LTD. (HANGZHOU), CN
[85] 2018-10-12
[86] 2017-04-13 (PCT/CN2017/080446)
[87] (WO2017/177945)
[30] US (62/322,406) 2016-04-14

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[51] **Int.Cl. G21F 5/06 (2006.01) G01N 29/22 (2006.01) G09F 3/02 (2006.01) G21F 5/005 (2006.01)**
[25] EN
[54] **ULTRASONIC IDENTIFICATION AND AUTHENTICATION OF CONTAINERS FOR HAZARDOUS MATERIAL**
[54] **IDENTIFICATION ET AUTHENTIFICATION ULTRASONORE DE RECIPIENTS POUR MATERIAU DANGEREUX**
[72] LITTMANN, FRANCOIS, IT
[73] THE EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM), REPRESENTED BY THE EUROPEAN COMMISSION, BE
[85] 2018-10-15
[86] 2017-04-18 (PCT/EP2017/059171)
[87] (WO2017/182462)
[30] EP (16166465.1) 2016-04-21

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[25] EN
[54] **DEVICE FOR DISCHARGING MULTI-COMPONENT ADHESIVES ONTO A GRANULAR MIXTURE, AS WELL AS A DISCHARGING METHOD, AND USE OF THE DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION D'ADHESIFS A PLUSIEURS COMPOSANTS SUR UN MELANGE GRANULAIRE, AINSI QUE PROCEDE DE DISTRIBUTION ET UTILISATION DU DISPOSITIF**
[72] HUERLIMANN, ADRIAN, CH
[73] HUERLIMANN RAILTEC AG, CH
[85] 2018-10-17
[86] 2017-04-19 (PCT/EP2017/059253)
[87] (WO2018/010860)
[30] CH (00515/16) 2016-04-19

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[13] C
[51] **Int.Cl. F16N 31/00 (2006.01) B08B 15/00 (2006.01) B66F 11/04 (2006.01) E04G 1/22 (2006.01)**
[25] EN
[54] **MOBILE WORK MACHINE WITH FLUID DRIP RETENTION**
[54] **MACHINE DE TRAVAIL MOBILE A RETENTION DE GOUTTE DE FLUIDE**
[72] CROOK, GARY, US
[73] CALIFORNIA MANUFACTURING & ENGINEERING COMPANY, LLC, US
[86] (3021952)
[87] (3021952)
[22] 2018-10-24
[30] US (62/653208) 2018-04-05
[30] US (16/122391) 2018-09-05

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[13] C
[51] **Int.Cl. H04W 74/08 (2009.01) H04B 7/00 (2006.01)**
[25] EN
[54] **RACH DESIGN FOR BEAMFORMED COMMUNICATIONS**
[54] **CONCEPTION DE RACH POUR COMMUNICATIONS FORMEES PAR FAISCEAU**
[72] AKKARAKARAN, SONY, US
[72] LUO, TAO, US
[72] ISLAM, MUHAMMAD NAZMUL, US
[72] SADIQ, BILAL, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-10-24
[86] 2017-05-12 (PCT/US2017/032469)
[87] (WO2017/213797)
[30] US (62/348,797) 2016-06-10
[30] US (15/433,738) 2017-02-15

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[13] C
[51] **Int.Cl. A61K 8/04 (2006.01) A61K 9/12 (2006.01) A61Q 5/06 (2006.01) A61Q 7/00 (2006.01) A61Q 17/00 (2006.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01) B65D 83/14 (2006.01) A23P 30/40 (2016.01)**
[25] EN
[54] **WHIPPED FORMULATIONS**
[54] **FORMULATIONS FOUETTEES**
[72] BALDWIN, STEPHEN, US
[72] CARPENTER, SCOTT, US
[72] GRAHAM, HEIDI, US
[72] KIM, NANHYE, US
[72] MEYER, TOM, US
[72] REYNOLDS, DAVID, US
[72] VANCLEAVE, JERRY, US
[72] DANN, ERIC, US
[72] DANN, THOMAS, US
[72] NELSON, RENEE, US
[72] DANN, BRIAN, US
[73] FORMULATED SOLUTIONS, LLC, US
[73] BEIERSDORF AG, DE
[85] 2018-11-08
[86] 2017-05-11 (PCT/US2017/032292)
[87] (WO2017/197202)
[30] US (62/334,862) 2016-05-11
[30] US (62/351,385) 2016-06-17
[30] US (62/396,415) 2016-09-19
[30] US (62/396,424) 2016-09-19

[11] **3,023,878**
[13] C
[51] **Int.Cl. G02B 6/26 (2006.01) G02B 6/02 (2006.01) G02B 6/12 (2006.01) G02B 6/34 (2006.01)**
[25] EN
[54] **OPTICAL FIBER WITH CLADDING-EMBEDDED LIGHT-CONVERGING STRUCTURE FOR LATERAL OPTICAL COUPLING**
[54] **FIBRE OPTIQUE AYANT UNE STRUCTURE DE CONVERGENCE DE LUMIERE A GAINE INTEGREE POUR LE COUPLAGE OPTIQUE LATERAL**
[72] PAQUET, ALEX, CA
[72] SISTO, MARCO MICHELE, CA
[72] TAILLON, YVES, CA
[73] INSTITUT NATIONAL D'OPTIQUE, CA
[86] (3023878)
[87] (3023878)
[22] 2018-11-13

[11] **3,025,397**
[13] C
[51] **Int.Cl. B61H 13/36 (2006.01) B61H 15/00 (2006.01)**
[25] EN
[54] **BRAKING SYSTEMS FOR RAILWAY CARS**
[54] **SYSTEMES DE FREINAGE POUR WAGONS DE CHEMIN DE FER**
[72] SUNDE, JONATHAN, US
[73] AMSTED RAIL COMPANY, INC., US
[85] 2018-11-23
[86] 2017-05-17 (PCT/US2017/033071)
[87] (WO2017/205139)
[30] US (15/161,527) 2016-05-23

[11] **3,025,545**
[13] C
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[25] EN
[54] **METHOD AND APPARATUS FOR MONITORING STATUS OF RELAY**
[54] **METHODE ET APPAREIL DE SURVEILLANCE DE L'ETAT D'UN RELAIS**
[72] WIGHT, JASON, CA
[72] IZDEBSKA, KATARZYNA, CA
[72] ABDELSAMIE, AHMED, CA
[73] ONTARIO POWER GENERATION INC., CA
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[30] US (62/591,461) 2017-11-28

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[54] **COMPOSITIONS AND METHODS FOR DETECTION OF TRICHOMONAS VAGINALIS**
[54] **COMPOSITIONS ET METHODES POUR LA DETECTION DE TRICHOMONAS VAGINALIS**
[72] HARRIS, JODY, US
[72] LU, SHI DA Y., US
[72] MANGIPUDI, KALYANI, US
[72] SUN, JINGTAO, US
[73] F. HOFFMANN-LA ROCHE AG, CH
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[54] **SYSTEME DE LEVAGE D'ANIMAL**
[72] FUNK, TED L., US
[73] INGURAN, LLC, US
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[25] EN
[54] **ORTHOKERATOLOGY LENS DESIGNATING METHOD, DESIGNATING SYSTEM, DESIGNATING AND SUPPLYING METHOD, AND DESIGNATING AND SUPPLYING SYSTEM**
[54] **PROCEDE DE DESIGNATION DE LENTILLE D'ORTHOKERATOLOGIE, SYSTEME DE DESIGNATION, PROCEDE DE DESIGNATION ET D'ALIMENTATION, ET SYSTEME DE DESIGNATION ET D'ALIMENTATION**
[72] MITSUI, IWANE, JP
[73] MITSUI MEDICAL COMMERCE CO., LTD., JP
[85] 2018-12-20
[86] 2017-06-30 (PCT/JP2017/024118)
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[54] **SONDE DE SIGNAL D'ACIDE NUCLEIQUE BICATENAIRE ET PROCEDE DE DETECTION DE MOLECULE CIBLE UTILISANT CELLE-CI**
[72] KIM, SUNG CHUN, KR
[73] BIOIS CO.,LTD, KR
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[54] **APPAREIL ET PROCEDE DESTINES A L'INSPECTION D'UNE LIGNE ELECTRIQUE**
[72] ROUSSEAU, GILLES, CA
[72] MORIN, FRANCOIS, CA
[72] RICHARD, PIERRE-LUC, CA
[72] LAVOIE, ERIC, CA
[72] LEPAGE, MARCO, CA
[72] POULIOT, NICOLAS, CA
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[54] **LUMIERE DE CONTRAINTE POUR DISPOSITIF MEDICAL INTEGRE.**
[72] LEHNHARDT, ERIC C., US
[72] SECTOR, MARTIN J., US
[72] WETHERELL, FRANKLIN C., US
[72] CHUNG, KARL R., US
[73] W. L. GORE & ASSOCIATES, INC., US
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[54] **CLIP D'HEMOSTASE AVEC MECANISME DE CLIPPAGE RECHARGEABLE**
[72] RANDHAWA, NISHANT, IN
[72] BHAGAT, SIMRANJEET, IN
[73] BOSTON SCIENTIFIC LIMITED, BM
[85] 2019-01-15
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[54] **CONSTRUCTION DE VOLANT D'INERTIE A AIMANT EN CREUX POUR EOLIENNES A AXE VERTICAL**
[72] IRELAND, BARRY, CA
[73] KELSO ENERGY LTD., CA
[85] 2019-01-31
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[54] **METHOD AND DEVICE FOR RECEIVING PTRS FOR CANCELLING PHASE NOISE IN WIRELESS COMMUNICATION SYSTEM**
[54] **METHODE ET DISPOSITIF DE RECEPTION DE PTRS SERVANT A ANNULER LE BRUIT DEPHASE DANS UN SYSTEME DE COMMUNICATION SANS FIL**
[72] LEE, KILBOM, KR
[72] KANG, JIWON, KR
[72] KIM, KIJUN, KR
[72] KIM, KYUSEOK, KR
[72] YUM, KUNIL, KR
[73] LG ELECTRONICS INC., KR
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[54] **SYSTEME-CONSEIL INTERACTIF POUR DONNER LA PRIORITE A UN CONTENU**
[72] ROOT, STEVEN A., US
[72] ROOT, MICHAEL R., US
[73] LOCATOR IP, LP, US
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[54] **DEVICES, SYSTEMS AND METHODS FOR MEDICAMENT DELIVERY**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES POUR L'ADMINISTRATION DE MEDICAMENTS**
[72] EDWARDS, ERIC SHAWN, US
[72] EDWARDS, EVAN THOMAS, US
[72] LICATA, MARK J., US
[72] MEYERS, PAUL F., US
[73] KALEO, INC., US
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[25] EN
[54] **LUMINOUS ELEMENT AND METHOD FOR ILLUMINATING A COMPONENT OF A WIND ENERGY INSTALLATION, AND COMPONENTS FOR A WIND ENERGY INSTALLATION AND WIND ENERGY INSTALLATION**
[54] **ELEMENT LUMINEUX ET PROCEDE PERMETTANT D'ECLAIRER UN ELEMENT STRUCTURAL D'UNE EOLIENNE, AINSI QU'ELEMENTS STRUCTURAUX POUR UNE EOLIENNE ET EOLIENNE**
[72] HARMS, STEPHAN, DE
[72] HOFFMANN, ALEXANDER, DE
[72] GROENHAGEN, JANNES, DE
[72] VINKE, DANIEL, DE
[72] SZYMKOWIAK, FELIX, DE
[73] WOBBEN PROPERTIES GMBH, DE
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[54] **SEALING BOLT, LOCKING SYSTEM AND METHOD OF LOCKING/UNLOCKING**
[54] **BOULON D'ETANCHEITE, SYSTEME DE VERROUILLAGE ET PROCEDE DE VERROUILLAGE/DEVERROUILLAGE**
[72] LITTMANN, FRANCOIS, IT
[73] THE EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM), REPRESENTED BY THE EUROPEAN COMMISSION, BE
[85] 2019-02-11
[86] 2017-08-28 (PCT/EP2017/071518)
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[25] EN
[54] **WOOD MATERIAL PANEL HOT PRESS AND METHOD FOR OPERATING A WOOD MATERIAL PANEL HOT PRESS**
[54] **PRESSE A CHAUD POUR PANNEAU DE MATERIAU DERIVE DU BOIS ET SON PROCEDE DE FONCTIONNEMENT**
[72] DROGE, PETER, DE
[73] SWISS KRONO TEC AG, CH
[85] 2019-02-12
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[25] EN
[54] **METHOD AND SYSTEM FOR AUTOMATICALLY EXTRACTING RELEVANT TAX TERMS FROM FORMS AND INSTRUCTIONS**
[54] **PROCEDE ET SYSTEME D'EXTRACTION AUTOMATIQUE DE TERMES FISCAUX PERTINENTS DES FORMULAIRES ET INSTRUCTIONS**
[72] MUKHERJEE, SAIKAT, US
[72] YAGHOOBZADEH, YADOLLAH, US
[73] INTUIT INC., US
[85] 2019-02-13
[86] 2017-07-12 (PCT/US2017/041727)
[87] (WO2018/013698)
[30] US (62/362,688) 2016-07-15
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[54] **ELECTRONIC VAPOUR PROVISION DEVICE WITH ABSORBENT ELEMENT**
[54] **DISPOSITIF ELECTRONIQUE DE FOURNITURE DE VAPEUR AVEC ELEMENT ABSORBANT**
[72] FRASER, RORY, GB
[72] ROTHWELL, HOWARD, GB
[72] TRANI, MARINA, GB
[72] GARNETT, CAROLYN, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2019-02-15
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[25] EN
[54] **BEVERAGES WITH ENHANCED FLAVORS AND AROMAS AND METHOD OF MAKING SAME**
[54] **BOISSONS AVEC DES SAVEURS ET DES AROMES AMELIORES ET SON PROCEDE DE REALISATION**
[72] ROBINSON, URANO A., US
[72] DA CRUZ, J. MARCIO, US
[73] STARBUCKS CORPORATION D/B/A STARBUCKS COFFEE COMPANY, US
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[25] EN
[54] **SYSTEM AND METHOD FOR A VENTED AND WATER CONTROL SIDING, VENTED AND WATER CONTROL SHEATHING AND VENTED AND WATER CONTROL TRIM-BOARD**
[54] **SYSTEME ET PROCEDE POUR UN PAREMENT VENTILE ET A REGULATION DE L'HUMIDITE, REVETEMENT VENTILE ET A REGULATION DE L'HUMIDITE ET PANNEAU D'HABILLAGE VENTILE ET A REGULATION DE L'HUM IDITE**
[72] NORWOOD, STEVEN, US
[72] ABU-JABER, AMIR, US
[73] NORWOOD ARCHITECTURE, INC., US
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[87] (3035061)
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[54] **PRODRUGS OF NH-ACIDIC COMPOUNDS**
[54] **PROMEDICAMENTS DE COMPOSES NH ACIDES**
[72] BLUMBERG, LAURA COOK, US
[72] REMENAR, JULIUS F., US
[72] ALMARSSON, ORN, US
[72] ZEIDAN, TAREK A., US
[73] ALKERMES PHARMA IRELAND LIMITED, IE
[86] (3035442)
[87] (3035442)
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[51] **Int.Cl. G01V 9/00 (2006.01) E21B 49/08 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING OIL OUTPUT QUANTITY AND GAS OUTPUT QUANTITY OF SHALE OIL IN-SITU CONVERSION**
[54] **METHODE ET APPAREIL DE DETERMINATION DE LA QUANTITE PRODUITE DE PETROLE ET DE LA QUANTITE PRODUITE DE GAZ DANS UNE CONVERSION DE PETROLE DE SCHISTE SUR PLACE**
[72] HOU, LIANHUA, CN
[72] LUO, XIA, CN
[72] WANG, JINGHONG, CN
[73] PETROCHINA COMPANY LIMITED, CN
[86] (3035510)
[87] (3035510)
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[30] CN (201810174445.X) 2018-03-02

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[54] **MOTION VECTOR PREDICTION FOR AFFINE MOTION MODELS IN VIDEO CODING**
[54] **PREDICTION DE VECTEUR DE MOUVEMENT DESTINEE A DES MODELES DE MOUVEMENT AFFINE DANS UN CODAGE VIDEO**
[72] CHEN, YI-WEN, US
[72] CHIEN, WEI-JUNG, US
[72] ZHANG, LI, US
[72] SUN, YU-CHEN, US
[72] CHEN, JIANLE, US
[72] KARCZEWICZ, MARTA, US
[73] QUALCOMM INCORPORATED, US
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[86] 2017-10-05 (PCT/US2017/055350)
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[30] US (62/404,719) 2016-10-05
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[54] **TRANSPARENT DISPLAY AND METHOD**
[54] **ECRAN D'AFFICHAGE TRANSPARENT ET PROCEDE**
[72] FATTAL, DAVID A., US
[73] LEIA INC., US
[85] 2019-03-04
[86] 2017-10-04 (PCT/US2017/055178)
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[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/65 (2020.01)**
[25] EN
[54] **ELECTRONIC INHALATION DEVICE WITH DATA TRANSMITTER**
[54] **INHALATEUR ELECTRONIQUE AVEC EMETTEUR DE DONNEES**
[72] LORD, CHRISTOPHER, GB
[73] NICOVENTURES TRADING LIMITED, GB
[86] (3037034)
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[22] 2013-10-09
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[54] **FLOWMETER CALIBRATION METHOD AND RELATED APPARATUS**
[54] **PROCEDE D'ETALONNAGE DE DEBITMETRE ET APPAREIL ASSOCIE**
[72] PATTEN, ANDREW TIMOTHY, US
[73] MICRO MOTION, INC., US
[85] 2019-03-19
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[54] **APPARATUS FOR MANUFACTURING BEVERAGE**
[54] **APPAREIL POUR FABRIQUER DES BOISSONS**
[72] PARK, SANG WOOK, CN
[73] CUCHEN CO., LTD., CN
[86] (3037618)
[87] (3037618)
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[54] **METHODS AND SYSTEMS FOR THE QUANTITATIVE MEASUREMENT OF INTERNAL DEFECTS IN AS-CAST STEEL PRODUCTS**
[54] **PROCEDES ET SYSTEMES DE MESURE QUANTITATIVE DE DEFAUTS INTERNES DANS DES PRODUITS EN ACIER COULE**
[72] ABRAHAM, SUNDAY O., US
[72] WANG, YUFENG, US
[72] RAINES, JUSTIN R., US
[72] BODNAR, RICHARD L., US
[72] THOMAS, JASON, US
[72] HANSEN, STEVEN S., US
[73] SSAB ENTERPRISES, LLC, US
[85] 2019-03-21
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[54] **INFORMATION PUSH METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE POUSSER D'INFORMATIONS**
[72] HE, SANYUAN, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-03-25
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[54] **TECHNIQUES PERMETTANT D'INCORPORER UNE IMAGE CONTENANT DU TEXTE DANS UNE IMAGE NUMERIQUE**
[72] KANSARA, APURVAKUMAR DILIPKUMAR, US
[73] NETFLIX, INC., US
[85] 2019-04-03
[86] 2017-10-02 (PCT/US2017/054792)
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[30] US (15/284,285) 2016-10-03

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[54] **TECHNIQUES FOR GENERATING SNAPSHOTS OF DATASETS**
[54] **TECHNIQUES POUR GENERER DES INSTANTANES D'ENSEMBLES DE DONNEES**
[72] KOSZEWNIK, JOHN ANDREW, US
[73] NETFLIX, INC., US
[85] 2019-04-04
[86] 2017-10-05 (PCT/US2017/055399)
[87] (WO2018/067856)
[30] US (62/405,157) 2016-10-06
[30] US (62/425,767) 2016-11-23
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[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING AIR FLOW WITHIN A VENTILATION SYSTEM**
[54] **METHODE ET SYSTEME DE CONTROLE DU FLUX D'AIR DANS UN SYSTEME DE VENTILATION**
[72] KUPFERBERG, ROBERT JEFFREY, US
[73] KUPFERBERG, ROBERT JEFFREY, US
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[72] HANSLI, WILLI, CH
[72] DELLER, ROLF, CH
[72] RICHTER, STEFFEN, CH
[73] OETIKER SCHWEIZ AG, CH
[85] 2019-04-15
[86] 2017-07-11 (PCT/EP2017/067357)
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[54] **ASYMMETRIC KEY MANAGEMENT IN CONSORTIUM BLOCKCHAIN NETWORKS**
[54] **GESTION DE CLE ASYMETRIQUE DANS DES RESEAUX DE CHAINE DE BLOCS DE CONSORTIUM**
[72] ZHANG, YIXIANG, CN
[72] LI, SHUBO, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-04-18
[86] 2018-11-27 (PCT/CN2018/117576)
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[25] EN
[54] **PROCESS CONTROLLER FOR CREATION OF ABR VOD PRODUCT MANIFESTS**
[54] **COMMANDE DE PROCESSUS POUR LA CREATION DE MANIFESTES DE PRODUIT VIDEO A LA DEMANDE A DEBIT BINAIRE ADAPTATIF**
[72] MILFORD, MATTHEW A., US
[73] ARRIS ENTERPRISES LLC, US
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[87] (3041696)
[22] 2019-04-30
[30] US (62/665,694) 2018-05-02

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[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/16 (2006.01)**
[25] EN
[54] **HYBRID WELDING SYSTEMS AND PORTABLE HYBRID WELDING MODULES**
[54] **SYSTEMES DE SOUDAGE HYBRIDE ET MODULES DE SOUDAGE HYBRIDE PORTABLES**
[72] SCHARTNER, QUINN WILLIAM, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2019-04-29
[86] 2017-10-30 (PCT/US2017/058961)
[87] (WO2018/081677)
[30] US (15/338,831) 2016-10-31

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[25] EN
[54] **COMPOSITE WING STRUCTURE AND METHODS OF MANUFACTURE**
[54] **STRUCTURE D'AILE COMPOSITE ET PROCEDES DE FABRICATION**
[72] CARLSON, DAVID G., US
[72] MCCULLOUGH, JOHN R., US
[72] WOLFE, DOUGLAS K., US
[72] DECKER, GEORGE R., US
[73] TEXTRON INNOVATIONS INC., US
[86] (3042412)
[87] (3042412)
[22] 2017-02-08
[62] 2,957,560
[30] US (62/292,673) 2016-02-08
[30] US (62/292,729) 2016-02-08
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[30] US (15/424,588) 2017-02-03
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[51] **Int.Cl. G01R 1/00 (2006.01) B64C 39/02 (2006.01) H02G 1/02 (2006.01)**
[25] FR
[54] **UNMANNED AERIAL VEHICLE FOR MONITORING AN ELECTRICITY TRANSMISSION LINE**
[54] **VEHICULE AERIEN SANS EQUIPAGE POUR SURVEILLER UNE LIGNE ELECTRIQUE**
[72] LAVOIE, SAMUEL, CA
[72] MONTFROND, MATTHIEU, CA
[72] LAVOIE, ERIC, CA
[73] HYDRO-QUEBEC, CA
[85] 2019-05-16
[86] 2017-11-21 (PCT/CA2017/051385)
[87] (WO2018/094514)
[30] US (62/425,235) 2016-11-22

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[51] **Int.Cl. C11D 1/62 (2006.01) C11D 3/00 (2006.01) C11D 3/22 (2006.01) C11D 3/30 (2006.01)**
[25] EN
[54] **FABRIC SOFTENER COMPOSITION HAVING IMPROVED DETERGENT SCAVENGER COMPATIBILITY**
[54] **COMPOSITION D'ADOUCISSANT DE TISSUS A COMPATIBILITE AMELIOREE DE PIEGEUR DE DETERGENT**
[72] SAVEYN, PIETER JAN MARIA, BE
[72] FERNANDEZ-PRIETO, SUSANA, BE
[72] VAES, DRIES, BE
[72] VAN HECKE, EVELYNE JOHANNA LUTGARDE, BE
[72] ORLANDINI, LAURA, CH
[72] HODGDON, TRAVIS KYLE, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-05-16
[86] 2017-12-18 (PCT/US2017/066942)
[87] (WO2018/118746)
[30] US (62/437,784) 2016-12-22

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[25] EN
[54] **HOT-ROLLED AND COATED STEEL SHEET FOR HOT-STAMPING, HOT-STAMPED COATED STEEL PART AND METHODS FOR MANUFACTURING THE SAME**
[54] **TOLE D'ACIER LAMINEE A CHAUD ET REVETUE POUR ESTAMPAGE A CHAUD, PIECE EN ACIER REVETUE ESTAMPEE A CHAUD ET PROCEDES DE FABRICATION CORRESPONDANTS**
[72] HENRION, THOMAS, FR
[72] JACOLOT, RONAN, FR
[72] BEAUVAIS, MARTIN, FR
[73] ARCELORMITTAL, LU
[85] 2019-05-23
[86] 2017-11-23 (PCT/IB2017/057370)
[87] (WO2018/096487)
[30] IB (PCT/IB2016/057100) 2016-11-24

[11] **3,045,358**
[13] C
[51] **Int.Cl. B03D 1/02 (2006.01) F22B 35/00 (2006.01)**
[25] EN
[54] **STATIC DIRECT STEAM INJECTION (DSI) HEATER AND USE IN BITUMEN FROTH TREATMENT OPERATIONS**
[54] **APPAREIL DE CHAUFFAGE PAR INJECTION DIRECTE DE VAPEUR ET UTILISATION DANS LES CENTRES DE TRAITEMENT DE MOUSSE DE BITUME**
[72] ODEGARD, MARK, CA
[72] YI, JIGAO, CA
[72] NAYAR, SUNIL, CA
[72] CHOW, KAY, CA
[73] FORT HILLS ENERGY L.P., CA
[86] (3045358)
[87] (3045358)
[22] 2019-06-06

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[51] **Int.Cl. B27K 3/02 (2006.01) B27K 5/02 (2006.01) C09D 15/00 (2006.01)**
[25] EN
[54] **COLORATION OF ACETYLATED WOOD**
[54] **COLORATION DE BOIS ACETYLE**
[72] WILLIAMS, DAVID J., GB
[73] ELECTRONICS FOR IMAGING, INC., US
[85] 2019-05-29
[86] 2017-12-07 (PCT/US2017/065126)
[87] (WO2018/106925)
[30] US (62/431,793) 2016-12-08
[30] US (15/654,473) 2017-07-19
[30] US (15/809,970) 2017-11-10

[11] **3,045,661**
[13] C
[51] **Int.Cl. B65F 1/06 (2006.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR WASTE DISPOSAL AND CHANGING INFANT-TODDLER BEHAVIOR**
[54] **SYSTEME ET APPAREIL DESTINE A JETER DES ORDURES, ET CHANGEMENT DU COMPORTEMENT D'UN NOURRISSON/TOUT-PETIT**
[72] MCCONNELL, THOMAS E., US
[73] MCCONNELL, THOMAS E., US
[85] 2019-05-30
[86] 2017-12-11 (PCT/US2017/065650)
[87] (WO2018/107179)
[30] US (15/374,996) 2016-12-09

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[13] C
[51] **Int.Cl. E01C 7/18 (2006.01) E01C 7/35 (2006.01) E01C 19/23 (2006.01)**
[25] EN
[54] **AGE RESISTANT COATINGS AND METHODS FOR TREATING ROADWAY SUBSTRATES**
[54] **REVETEMENTS RESISTANT AU VIEILLISSEMENT ET PROCEDES DE TRAITEMENT DE SUBSTRATS DE CHAUSSEE**
[72] BLACKLIDGE, ROY BRITTANY, US
[72] ALLEN, ROBERT GROVER, US
[72] CUEVAS, HENRY, US
[72] THEEDA, SWATHI, US
[73] BLACKLIDGE EMULSIONS INC., US
[85] 2019-05-30
[86] 2017-12-18 (PCT/US2017/067142)
[87] (WO2018/118821)
[30] US (62/436,306) 2016-12-19

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[51] **Int.Cl. G07F 19/00 (2006.01) H04W 4/021 (2018.01) H04W 4/80 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONTACTLESS WITHDRAWAL FROM AN ATM**
[54] **METHODE ET SYSTEME DE RETRAIT SANS CONTACT D'UN GUICHET AUTOMATIQUE**
[72] SKELSEY, SUSAN, US
[72] WYPER, STEPHANE, US
[72] BALSAVIAS, PETER, US
[72] MCDERMOTT, KELLEY, US
[73] MASTERCARD INTERNATIONAL INCORPORATED, US
[86] (3045801)
[87] (3045801)
[22] 2019-05-10
[30] US (62/670,335) 2018-05-11

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[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/40 (2020.01) A24F 40/57 (2020.01) H05B 3/02 (2006.01)**
[25] EN
[54] **AN ELECTRICALLY HEATED SMOKING SYSTEM WITH HEATER**
[54] **SYSTEME POUR FUMER CHAUFFE ELECTRIQUEMENT MUNI D'UN RECHAUFFEUR**
[72] GREIM, OLIVIER, CH
[72] PLOJOUX, JULIEN, CH
[72] RUSCIO, DANI, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
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[87] (3046426)
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[25] EN
[54] **MEDICATION DELIVERY DEVICE WITH SENSING SYSTEM**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT DOTE D'UN SYSTEME DE DETECTION**
[72] BARUCH, URI ELIEZER, US
[72] BOONZAIER, JAMES ANGUS, US
[72] CASTRO PELAYO, XORGE, US
[72] CLEMENTE, MATTHEW JAMES, US
[72] CLEMENTS, JEREMY, US
[72] DAVIES, JAMES ALEXANDER, US
[72] TRZYBINSKI, ROBERT EUGENE, US
[73] ELI LILLY AND COMPANY, US
[85] 2019-06-11
[86] 2017-12-08 (PCT/US2017/065247)
[87] (WO2018/111708)
[30] US (62/434,684) 2016-12-15

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[13] C
[51] **Int.Cl. B21H 3/04 (2006.01)**
[25] EN
[54] **ROLLED PIPE THREAD PROCESSING METHOD, ROLLING HEAD, APPARATUS, MODULE, PRODUCTION LINE, AND PRODUCT THEREOF**
[54] **PROCEDE DE TRAITEMENT DE FILETAGE DE TUYAU ROULE, TETE DE ROULAGE, APPAREIL, MODULE, LIGNE DE PRODUCTION ET PRODUIT ASSOCIE**
[72] ZHOU, JUN, CN
[72] ZHANG, YONGLIANG, CN
[72] YANG, JIANMING, CN
[72] YANG, MINJUN, CN
[73] SHANGHAI PAN-CHINA FASTENING SYSTEMS CO., LTD., CN
[85] 2019-06-13
[86] 2017-12-13 (PCT/CN2017/115963)
[87] (WO2018/108105)
[30] CN (201611146711.5) 2016-12-13

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[13] C
[51] **Int.Cl. G05D 1/10 (2006.01)**
[25] EN
[54] **UNMANNED AERIAL VEHICLE OPERATING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE FONCTIONNEMENT DE VEHICULE AERIEN SANS PILOTE**
[72] WU, BIN, CN
[72] PENG, BIN, CN
[73] GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD, CN
[85] 2019-06-14
[86] 2017-12-15 (PCT/CN2017/116521)
[87] (WO2018/108159)
[30] CN (201611169759.8) 2016-12-16

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[51] **Int.Cl. A61K 35/747 (2015.01) A61P 3/10 (2006.01)**
[25] EN
[54] **USE OF LACTIC ACID BACTERIA TO TREAT OR PREVENT GESTATIONAL DIABETES MELLITUS**
[54] **UTILISATION DE BACTERIES D'ACIDE LACTIQUE POUR TRAITER OU PREVENIR LE DIABETE SUCRE GESTATIONNEL**
[72] WICKENS, KRISTIN LEE, NZ
[73] UNIVERSITY OF OTAGO, NZ
[85] 2019-06-20
[86] 2017-06-02 (PCT/IB2017/053262)
[87] (WO2018/115985)
[30] NZ (727914) 2016-12-22

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[13] C
[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/139 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **VIDEO ENCODING APPARATUS, VIDEO DECODING APPARATUS AND RELATED METHODS**
[54] **APPAREIL DE CODAGE VIDEO, APPAREIL DE DECODAGE VIDEO ET METHODES ASSOCIEES**
[72] ASAKA, SAORI, JP
[72] CHUJOH, TAKESHI, JP
[72] TANIZAWA, AKIYUKI, JP
[72] YASUDA, GOKI, JP
[72] WADA, NAOFUMI, JP
[72] WATANABE, TAKASHI, JP
[73] KABUSHIKI KAISHA TOSHIBA, JP
[86] (3048386)
[87] (3048386)
[22] 2009-06-18
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[51] **Int.Cl. A61K 31/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF CHRONIC PAIN**
[54] **COMPOSITIONS ET METHODE S POUR LE TRAITEMENT D'UNE DOULEUR CHRONIQUE**
[72] KANDULA, MAHESH, IN
[73] CELLIX BIO PRIVATE LIMITED, IN
[85] 2019-06-21
[86] 2017-04-19 (PCT/IB2017/052247)
[87] (WO2018/122626)
[30] IN (201641044329) 2016-12-26

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[51] **Int.Cl. H04B 7/06 (2006.01) H04W 72/04 (2009.01) H04B 7/08 (2006.01)**
[25] EN
[54] **FAST BEAM REFINEMENT PHASE FOR PERIODIC BEAMFORMING TRAINING**
[54] **PHASE D'AFFINEMENT DE FAISCEAU RAPIDE POUR APPRENTISSAGE DE FORMATION DE FAISCEAU PERIODIQUE**
[72] TRAININ, SOLOMON, US
[72] SANDEROVICH, AMICHAI, US
[72] KASHER, ASSAF YAAKOV, US
[72] EITAN, ALECSANDER PETRU, US
[73] QUALCOMM INCORPORATED, US
[85] 2019-06-27
[86] 2018-02-01 (PCT/US2018/016341)
[87] (WO2018/144668)
[30] US (62/455,576) 2017-02-06
[30] US (15/884,890) 2018-01-31

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[51] **Int.Cl. C12N 15/113 (2010.01) C12Q 1/6809 (2018.01) C12Q 1/6858 (2018.01) C12Q 1/6876 (2018.01) A61K 31/713 (2006.01) A61P 3/08 (2006.01) A61P 5/50 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTING AND TREATING INSULIN RESISTANCE**
[54] **COMPOSITIONS ET METHODES DE DETECTION ET DE TRAITEMENT DE L'INSULINORESISTANCE**
[72] BELSHAM, DENISE, CA
[72] CHALMERS, JENNIFER, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2019-06-28
[86] 2018-08-24 (PCT/CA2018/051020)
[87] (WO2019/036811)
[30] US (62/550,233) 2017-08-25
[30] US (62/697,935) 2018-07-13

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[13] C
[51] **Int.Cl. B01D 3/16 (2006.01) B01D 3/18 (2006.01) B01D 3/32 (2006.01)**
[25] EN
[54] **CONTACT TRAY HAVING BAFFLE WALL FOR CONCENTRATING LOW LIQUID FLOW AND METHOD INVOLVING SAME**
[54] **PLATEAU DE CONTACT AYANT UNE PAROI DE DEFLECTEUR POUR CONCENTRER UN ECOULEMENT DE LIQUIDE FAIBLE ET PROCEDE METTANT EN OEUVRE CELUI-CI**
[72] NIEUWOUDT, IZAK, US
[72] GRIESEL, CHARLES, US
[73] KOCH-GLITSCH, LP, US
[85] 2019-07-09
[86] 2018-01-10 (PCT/IB2018/050136)
[87] (WO2018/130941)
[30] US (62/444,991) 2017-01-11

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[13] C
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/04 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR ENHANCING ADSORPTION OF CONTAMINATED VAPORS TO INCREASE TREATMENT CAPACITY OF A REGENERABLE, SYNTHETIC ADSORPTIVE MEDIA**
[54] **SYSTEME ET PROCEDE POUR AMELIORER L'ADSORPTION DE VAPEURS CONTAMINEES POUR AUGMENTER LA CAPACITE DE TRAITEMENT DU MILIEU ADSORBANT SYNTHETIQUEREGENERABLE**
[72] WOODARD, STEVEN E., US
[72] BISHOP, ANDREW G., US
[72] NICKELSEN, MICHAEL G., US
[72] BERRY, JOHN C., US
[73] EMERGING COMPOUNDS TREATMENT TECHNOLOGIES, INC., US
[85] 2019-07-10
[86] 2018-01-10 (PCT/US2018/013111)
[87] (WO2018/132439)
[30] US (62/444,551) 2017-01-10
[30] US (15/866,683) 2018-01-10

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[13] C
[51] **Int.Cl. G01M 3/00 (2006.01) G01M 3/38 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR LOCATING A MEASURAND ANOMALY ALONG A WAVEGUIDE**
[54] **APPAREIL ET PROCEDE DE LOCALISATION D'UNE ANOMALIE DE MESURANDE LE LONG D'UN GUIDE D'ONDES**
[72] DOYLE, CRISPIN, GB
[72] STAVELEY, CHRISTOPHER, GB
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-07-15
[86] 2018-01-19 (PCT/GB2018/050167)
[87] (WO2018/134617)
[30] GB (1700984.6) 2017-01-20

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[13] C
[51] **Int.Cl. B61L 27/04 (2006.01)**
[25] EN
[54] **METHOD & APPARATUS FOR A TRAIN CONTROL SYSTEM**
[54] **PROCEDE ET APPAREIL POUR UN SYSTEME DE COMMANDE DE TRAIN**
[72] GHALY, NABIL N., US
[73] GHALY, NABIL N., US
[86] (3051161)
[87] (3051161)
[22] 2015-02-15
[62] 2,936,760
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[51] **Int.Cl. B61L 15/00 (2006.01) B61C 17/00 (2006.01)**
[25] EN
[54] **AUDIBLE ALERT SYSTEMS FOR LOCOMOTIVES**
[54] **SYSTEMES D`ALERTE SONORE POUR LOCOMOTIVES**
[72] EVANS, RICHARD ALLEN, US
[72] BALENT, MARK ANTHONY, US
[72] ADKINS, MATTHEW, US
[73] CATTRON NORTH AMERICA, INC., US
[86] (3051794)
[87] (3051794)
[22] 2019-08-12
[30] US (62/718,620) 2018-08-14
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[51] **Int.Cl. A61F 2/958 (2013.01) A61F 2/07 (2013.01) A61F 2/89 (2013.01)**
[25] EN
[54] **BALLOON EXPANDABLE ENDOPROSTHESIS**
[54] **ENDOPROTHESE EXPANSIBLE A BALLONNET**
[72] BOHN, JANE K., US
[72] HARTMAN, CODY L., US
[72] KANJICKAL, DEENU G., US
[72] KILGROW, BRET J., US
[72] KOENIG, JOSEPH B., US
[72] NICKERSON, JAMES J., US
[72] TRIEBES, THOMAS G., US
[73] W. L. GORE & ASSOCIATES, INC., US
[86] (3052848)
[87] (3052848)
[22] 2015-11-25
[62] 2,968,881
[30] US (62/085,066) 2014-11-26
[30] US (14/950,165) 2015-11-24

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[13] C
[51] **Int.Cl. A47D 1/00 (2006.01) A47D 1/10 (2006.01)**
[25] EN
[54] **SEAT STRUCTURE FOR INFANT**
[54] **STRUCTURE DE SIEGE DESTINEE A UN NOURRISSON**
[72] PANKRATZ, STEPHEN, CA
[73] NUVATE INC., CA
[85] 2019-08-13
[86] 2018-03-22 (PCT/CA2018/050345)
[87] (WO2018/170597)
[30] US (62/476,028) 2017-03-24

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[13] C
[51] **Int.Cl. G06Q 40/00 (2012.01)**
[25] EN
[54] **SYSTEM FOR TAX TRACKING OF BLENDED GOODS AND RELATED METHODS**
[54] **SYSTEME DE SUIVI DES TAXES DE MARCHANDISES TRANSFORMEES ET PROCEDES ASSOCIES**
[72] ZOMOK, ROBERT, US
[72] BAYS, KENNETH, US
[72] ROGERS, BRIAN, US
[73] INMAR, INC., US
[86] (3053694)
[87] (3053694)
[22] 2019-08-30
[30] US (16/392,033) 2019-04-23

[11] **3,054,038**
[13] C
[51] **Int.Cl. A23L 25/00 (2016.01) A23L 5/00 (2016.01) A23P 10/00 (2016.01) A23C 11/00 (2006.01) A23C 20/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A PREFERABLY VEGAN FOOD PRODUCT PARTICULATE, PREFERABLY VEGAN FOOD PRODUCT PARTICULATE, AND PREFERABLY VEGAN FINAL FOOD PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UNE PARTICULE DE PRODUIT ALIMENTAIRE DE PREFERENCE VEGETALIEN, D'UNE PARTICULE DE PRODUIT ALIMENTAIRE DE PREFERENCE VEGETALIEN, ET D'UN PRODUIT ALIMENTAIRE FINAL DE PREFERENCE VEGETALIEN**
[72] HERRMANN-BUERK, DIRK MICHAEL, DE
[72] MAHLER, MARIE-LUISE, DE
[73] HOCHLAND SE, DE
[86] (3054038)
[87] (3054038)
[22] 2019-09-04
[30] DE (18 192 920.9) 2018-09-06

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[13] C
[51] **Int.Cl. E21B 23/00 (2006.01) E21B 17/00 (2006.01)**
[25] EN
[54] **CAM INDEXING APPARATUS**
[54] **APPAREIL D'INDEXATION DE CAME**
[72] NAPIER, RORY ARCHIBALD, GB
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-08-28
[86] 2017-06-28 (PCT/US2017/039665)
[87] (WO2019/005029)

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[25] EN
[54] **METHODS AND COMPOSITIONS RELATED TO THIOESTERASE ENZYMES**
[54] **PROCEDES ET COMPOSITIONS RELATIVES A DES ENZYMES THIOESTERASES**
[72] HOM, LOUIS, US
[72] TRINH, NA, US
[72] ALIBHAI, MURTAZA, US
[73] GENOMATICA, INC., US
[86] (3055144)
[87] (3055144)
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[54] **HOCKEY-STICK BLADE WITH TAILORED PERFORMANCE REGIONS**
[54] **LAME DE BATON DE HOCKEY COMPORTANT DES REGIONS DE PERFORMANCE ADAPTEES**
[72] PEARSON, ROBERT T., US
[72] SNOW, MICHAEL L., US
[72] MOUNTAIN, MICHAEL, US
[73] BAUER HOCKEY LTD., CA
[86] (3055369)
[87] (3055369)
[22] 2014-08-01
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[25] EN
[54] **METHOD AND DEVICE FOR TRANSMITTING SYNCHRONIZATION SIGNAL**
[54] **PROCEDE ET DISPOSITIF D'EMISSION D'UN SIGNAL DE SYNCHRONISATION**
[72] ZHANG, ZHI, CN
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-09-06
[86] 2017-03-15 (PCT/CN2017/076849)
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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **COLOROMETRIC SENSOR FOR THE NON-INVASIVE SCREENING OF GLUCOSE IN SWEAT IN PRE AND TYPE 2 DIABETES**
[54] **CAPTEUR COLORIMETRIQUE POUR LA DETECTION NON INVASIVE DU GLUCOSE DANS LA SUEUR DANS LE PRE-DIABETE ET DIABETE DE TYPE 2**
[72] RAO, ASHWIN K., US
[72] GOTTLIEB, REBECCA K., US
[72] ONG, QUYEN, US
[73] MEDTRONIC MINIMED, INC., US
[85] 2019-09-06
[86] 2018-03-06 (PCT/US2018/021179)
[87] (WO2018/165180)
[30] US (62/467,653) 2017-03-06
[30] US (15/912,451) 2018-03-05
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[51] **Int.Cl. E21B 47/00 (2012.01) G01R 33/44 (2006.01) G01V 3/32 (2006.01)**
[25] EN
[54] **CONSTRUCTING NUCLEAR MAGNETIC RESONANCE (NMR) DEVICES BASED ON COST AND STRUCTURAL CONSTRAINTS**
[54] **CONSTRUCTION DE DISPOSITIFS DE RESONANCE MAGNETIQUE NUCLEAIRE (RMN) BASEE SUR DES CONTRAINTES DE COUT ET DE STRUCTURE**
[72] REIDERMAN, ARCADY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **APPARATUS AND METHOD FOR REMOVING DEBRIS FROM A WELLBORE**
[54] **APPAREIL ET UN PROCEDE D`ELIMINATION DE DEBRIS D`UN PUITS DE FORAGE**
[72] SCHINDLER, KYLE STEVEN, US
[73] KLX ENERGY SERVICES LLC, US
[86] (3057345)
[87] (3057345)
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[30] US (62/740,031) 2018-10-02

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[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING A NON-DAIRY CHEESE PRODUCT**
[54] **SYSTEME ET PROCEDE DE PRODUCTION D'UN PRODUIT FROMAGER NON LAITIER**
[72] MIN, XIAOYU, US
[72] SMITH, JOSHUA JAMES, US
[72] BEHR, WENDY KAY, US
[72] ALESHIRE, JENNIFER LYNN, US
[72] ROSSO-GONZALEZ, DIEGO, US
[72] GRAY, JONATHAN, US
[73] WHITEWAVE SERVICES, INC., US
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[25] EN
[54] **UNIVERSAL COVER**
[54] **COUVERTURE UNIVERSELLE**
[72] BAIRD, DAVID, US
[72] STITH, CALEB, US
[73] DOWCO, INC., US
[86] (3058300)
[87] (3058300)
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[25] EN
[54] **CROSS-FUNDS MANAGEMENT SERVER-BASED PAYMENT METHOD**
[54] **METHODE DE PAIEMENT FONDEE SUR UN SERVEUR DE GESTION DE FONDS CROISES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[86] (3058553)
[87] (3058553)
[22] 2015-05-28
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[54] **POWER STEERING SYSTEM AND A METHOD OF OPERATING SAME**
[54] **SYSTEME DE DIRECTION ASSISTEE ET SON PROCEDE DE FONCTIONNEMENT**
[72] GAGNE, FRANCIS, CA
[72] GIRARD, NICOLAS, CA
[72] BEDARD, SIMON, CA
[72] FRIGON, ALEXANDRE, CA
[73] KONGSBERG INC., CA
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[54] **CHAIN AND FLIGHT CONVEYOR**
[54] **TRANSPORTEUR A CHAINE ET A RACLETTES**
[72] O'NEILL, MICHAEL L., US
[73] JOY GLOBAL UNDERGROUND MINING LLC, US
[86] (3059023)
[87] (3059023)
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[25] EN
[54] **TRIPLE DRUG COMBINATION (METFORMIN, SIMVASTATIN, DIGOXIN) FOR TARGETED TREATMENT OF PANCREATIC CANCER**
[54] **COMBINAISON DE TROIS MEDICAMENTS (METFORMINE, SIMVASTATINE, DIGOXINE) POUR LE TRAITEMENT CIBLE DU CANCER DU PANCREAS**
[72] BRUNICARDI, FRANCIS C., US
[72] SANCHEZ, ROBBI L., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2019-09-18
[86] 2017-05-19 (PCT/US2017/033512)
[87] (WO2018/044369)
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[25] EN
[54] **WINDOW BLIND AND METHOD FOR ASSEMBLING SLATS THEREOF**
[54] **STORE DE FENETRE ET METHODE D`ASSEMBLAGE DES PALETTES**
[72] PAI, MING-TSUNG, CN
[73] UNION WINNER INTERNATIONAL CO., LTD., CN
[86] (3059392)
[87] (3059392)
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[25] EN
[54] **DIP MOLDING COMPOSITION, METHOD OF PRODUCING GLOVE, AND GLOVE**
[54] **COMPOSITION DE MOULAGE PAR IMMERSION, METHODE DE PRODUCTION D'UN GANT ET LEDIT GANT**
[72] ENOMOTO, NORIHIDE, JP
[72] OGAWA, TAICHI, JP
[73] MIDORI ANZEN CO., LTD., JP
[85] 2019-11-12
[86] 2019-06-25 (PCT/JP2019/025226)
[87] (WO2020/004415)
[30] JP (2018-122417) 2018-06-27

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[51] **Int.Cl. A61J 3/00 (2006.01) G16H 20/10 (2018.01) G01G 23/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREPARING A PHARMACEUTICAL COMPOUND**
[54] **SYSTEME ET PROCEDE DE PREPARATION D'UN COMPOSE PHARMACEUTIQUE**
[72] HANKE, CHRISTIAN, AT
[72] HOERNER, HELMUT, AT
[72] MURRAY, CHRIS, US
[72] SANDMANN, CHRISTIAN, US
[72] TANNEN, ROBERT, US
[72] THOMAS, MATT, US
[72] TURPAULT, MATHIEU, US
[72] WITT, ERIK K., US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (3061665)
[87] (3061665)
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[30] US (62/047,325) 2014-09-08
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[51] **Int.Cl. G06F 21/62 (2013.01) G06F 21/64 (2013.01) G06F 16/21 (2019.01) G06F 16/27 (2019.01)**
[25] EN
[54] **SECURELY EXECUTING SMART CONTRACT OPERATIONS IN A TRUSTED EXECUTION ENVIRONMENT**
[54] **EXECUTION SECURISEE D'OPERATIONS DE CONTRAT INTELLIGENT DANS UN ENVIRONNEMENT D'EXECUTION SECURISE**
[72] WEI, CHANGZHENG, CN
[72] YAN, YING, CN
[72] ZHAO, BORAN, CN
[72] SONG, XUYANG, CN
[72] DU, HUABING, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-10-29
[86] 2019-04-26 (PCT/CN2019/084523)
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[51] **Int.Cl. C09K 8/508 (2006.01) C09K 8/512 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **OIL-SWELLABLE, SURFACE-TREATED ELASTOMERIC POLYMER AND METHODS OF USING THE SAME FOR CONTROLLING LOSSES OF NON-AQUEOUS WELLBORE TREATMENT FLUIDS TO THE SUBTERRANEAN FORMATION**
[54] **POLYMERE ELASTOMERE TRAITE EN SURFACE, POUVANT GONFLER DANS L'HUILE, ET SES PROCEDES D'UTILISATION POUR REGULER LES PERTES DE FLUIDES DE TRAITEMENT DE PUITS DE FORAGE NON AQUEUX D ANS UNE FORMATION SOUTERRAINE**
[72] REDDY, B. RAGHAVA, US
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-10-28
[86] 2018-05-17 (PCT/US2018/033162)
[87] (WO2018/213561)
[30] US (62/507,541) 2017-05-17
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[51] **Int.Cl. A61K 35/14 (2015.01) A61M 1/34 (2006.01) A61M 1/36 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **EXTRACORPOREAL REMOVAL OF MICROVESICULAR PARTICLES**
[54] **ENLEVEMENT EXTRACORPOREL DE PARTICULES MICROVESICULAIRES**
[72] ICHIM, THOMAS, US
[72] TULLIS, RICHARD H., US
[73] AETHLON MEDICAL, INC., US
[86] (3061952)
[87] (3061952)
[22] 2007-03-09
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[25] EN
[54] **SYSTEM AND METHOD FOR WORK PIECE INSPECTION**
[54] **SYSTEME ET PROCEDE D`INSPECTION DE PIECE DE FABRICATION**
[72] BIAN, XIAO, US
[72] JAIN, ARPIT, US
[72] DIWINSKY, DAVID SCOTT, US
[72] BEWLAY, BERNARD PATRICK, US
[72] BOUCHARD, STEEVES, CA
[72] CHOINIERE, JEAN-PHILIPPE, CA
[72] MAROIS, MARC-ANDRE, CA
[72] HAREL, STEPHANE, CA
[72] KARIGIANNIS, JOHN, CA
[73] GENERAL ELECTRIC COMPANY, US
[86] (3062044)
[87] (3062044)
[22] 2019-11-20
[30] US (16/208,668) 2018-12-04

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[51] **Int.Cl. E21B 43/26 (2006.01) E21B 34/00 (2006.01) E21B 43/17 (2006.01)**
[25] EN
[54] **VALVE OPERATION AND RAPID CONVERSION SYSTEM AND METHOD**
[54] **FONCTIONNEMENT DE VANNES ET SYSTEME ET PROCEDE DE CONVERSION RAPIDE**
[72] MCEVOY, TRAVIS KYLE, US
[72] ADAMS, KEITH, US
[72] FULLER, TIMOTHY, US
[72] POWELL, JONATHAN KEITH, US
[72] CHEATHAM, LLOYD, US
[73] VAULT PRESSURE CONTROL LLC, US
[85] 2019-10-31
[86] 2018-05-03 (PCT/US2018/030878)
[87] (WO2018/204634)
[30] US (62/500,851) 2017-05-03

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[51] **Int.Cl. F02C 7/18 (2006.01) F01D 9/02 (2006.01) F02C 7/12 (2006.01)**
[25] EN
[54] **BLADE PROFILE TUBE NOZZLE FOR GAS TURBINE**
[54] **BUSE A TUBE DE PROFIL D'AUBE POUR TURBINE A GAZ**
[72] LYU, JIANBO, CN
[72] LUO, HUALING, CN
[72] HU, SHUZHEN, CN
[72] PAN, XIANDE, CN
[72] LIU, GUOFENG, CN
[73] AECC COMMERCIAL AIRCRAFT ENGINE CO., LTD., CN
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[86] 2017-07-28 (PCT/CN2017/094921)
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[51] **Int.Cl. H05B 6/10 (2006.01) H05B 6/44 (2006.01)**
[25] EN
[54] **INDUCTION HEATING METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL DE CHAUFFAGE PAR INDUCTION**
[72] LIEBERT, SCOTT, US
[72] VERHAGEN, PAUL, US
[72] SALSICH, ANTHONY, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2019-11-08
[86] 2018-05-23 (PCT/US2018/034082)
[87] (WO2018/217859)
[30] US (15/606,491) 2017-05-26

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[51] **Int.Cl. A47B 96/00 (2006.01) A47B 51/00 (2006.01) A47B 57/06 (2006.01) A47B 77/08 (2006.01)**
[25] EN
[54] **TRANSMISSION ASSEMBLY, POWER UNIT AND LIFTING CABINET**
[54] **BLOC DE TRANSMISSION, BLOC D`ALIMENTATION ET COFFRET ELEVATEUR**
[72] QIU, JIA SEN, CN
[73] CMECH (GUANGZHOU) LTD., CN
[86] (3063378)
[87] (3063378)
[22] 2019-11-29
[30] CN (201910717730.6) 2019-08-05
[30] CN (201910718438.6) 2019-08-05
[30] CN (201910718446.0) 2019-08-05
[30] CN (201921261566.4) 2019-08-05
[30] US (16/695,850) 2019-11-26
[30] US (16/695,655) 2019-11-26
[30] US (16/695,659) 2019-11-26
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[13] C
[51] **Int.Cl. G01N 21/71 (2006.01) G01N 21/25 (2006.01) G01N 21/39 (2006.01)**
[25] EN
[54] **CHARACTERIZATION OF A MATERIAL USING COMBINED LASER-BASED IR SPECTROSCOPY AND LASER-INDUCED BREAKDOWN SPECTROSCOPY**
[54] **CARACTERISATION D'UN MATERIAU PAR SPECTROSCOPIE IR LASER COMBINEE A UNE SPECTROSCOPIE D'EMISSION ATOMIQUE A PARTIR D'UN PLASMA INDUIT PAR LASER (LIBS)**
[72] BLOUIN, ALAIN, CA
[72] SABSABI, MOHAMAD, CA
[72] MONCHALIN, JEAN-PIERRE, CA
[72] VANIER, FRANCIS, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2019-11-18
[86] 2018-05-16 (PCT/CA2018/050578)
[87] (WO2018/209437)
[30] US (62/508,452) 2017-05-19

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[51] **Int.Cl. G01F 1/704 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ANALYZING PRODUCT FLOW SIGNAL FOR AN AGRICULTURAL IMPLEMENT**
[54] **SYSTEME ET METHODE D'ANALYSE DE SIGNAL D'ECOULEMENT DE PRODUIT POUR UN ACCESSOIRE AGRICOLE**
[72] GERVAIS, JOEL, CA
[72] NOBLE, SCOTT, CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (3064399)
[87] (3064399)
[22] 2015-11-06
[62] 2,911,595
[30] US (14/560,747) 2014-12-04

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[25] EN
[54] **OVERHEAT DETECTION SYSTEMS FOR AIRCRAFTS**
[54] **SYSTEMES DE DETECTION DE SURCHAUFFE DANS LES AERONEFS**
[72] CIPULLO, ALESSIO, GB
[72] LE, SY-DAT, FR
[72] BUENO VAZQUEZ, CARLOS, ES
[73] AIRBUS OPERATIONS, S.L.U., ES
[73] AIRBUS OPERATIONS S.A.S., FR
[73] AIRBUS OPERATIONS LTD, GB
[86] (3064918)
[87] (3064918)
[22] 2019-12-12
[30] EP (18382927.4) 2018-12-14

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[51] **Int.Cl. G01N 21/64 (2006.01) G01N 21/76 (2006.01) H01L 27/146 (2006.01)**
[25] EN
[54] **DEVICE FOR LUMINESCENT IMAGING**
[54] **DISPOSITIF POUR L'IMAGERIE LUMINESCENTE**
[72] YUAN, DAJUN, US
[72] QIANG, LIANGLIANG, US
[72] GUO, MINGHAO, US
[73] ILLUMINA, INC., US
[85] 2019-12-13
[86] 2019-06-12 (PCT/US2019/036853)
[87] (WO2019/241447)
[30] US (62/684,907) 2018-06-14
[30] NL (N2021258) 2018-07-05

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[25] EN
[54] **NOVEL ALKYLSULFONIC ACID COMPOSITIONS**
[54] **NOUVELLES COMPOSITIONS D`ACIDE ALKYLSULFONIQUE**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[73] FLUID ENERGY GROUP LTD., CA
[86] (3065043)
[87] (3065043)
[22] 2019-12-13
[30] CA (3,028,226) 2018-12-20

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[51] **Int.Cl. H04W 12/08 (2021.01) H04W 72/04 (2009.01) H04W 12/069 (2021.01)**
[25] EN
[54] **AUTHORISATION METHOD FOR THE RELEASE OR BLOCKING OF RESOURCES AND CLIENT**
[54] **METHODE D`AUTORISATION D`AFFECTATION OU DE BLOCAGE DE RESSOURCES DEMANDEES PAR UN CLIENT**
[72] BURGER, DANILO, DE
[72] PUTZ, FLORIAN, DE
[72] ANGERMANN, FRANK, DE
[73] DEUTSCHE TELEKOM AG, DE
[86] (3065050)
[87] (3065050)
[22] 2019-12-13
[30] EP (18 21 2665.6) 2018-12-14

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[51] **Int.Cl. E21B 33/127 (2006.01) E21B 17/18 (2006.01) E21B 33/129 (2006.01)**
[25] EN
[54] **DOWNHOLE METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE FORATION DESCENDANTE**
[72] BRUCE, STEPHEN EDMUND, GB
[72] KENT, STEPHEN, GB
[72] MCANN, DOMINIC PATRICK JOSEPH, GB
[72] NOBLETT, DAVID ALLAN, GB
[72] GRANT, DAVID, GB
[73] HALLIBURTON MANUFACTURING AND SERVICES LIMITED, GB
[86] (3065472)
[87] (3065472)
[22] 2011-11-16
[62] 2,817,343
[30] GB (1019358.9) 2010-11-16

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[13] C
[51] **Int.Cl. B60W 30/165 (2020.01) B60W 60/00 (2020.01) G05D 1/02 (2020.01)**
[25] EN
[54] **METHOD FOR PREDICTING CAR-FOLLOWING BEHAVIOR UNDER APOLLO PLATFORM**
[54] **METHODE POUR PREDIRE UN COMPORTEMENT DE SUIVI DE VEHICULE DANS LA PLATEFORME APOLLO**
[72] FEI, RONG, CN
[72] LI, SHASHA, CN
[72] WU, HAOZHENG, CN
[72] LIU, FANG, CN
[72] LI, AIMIN, CN
[72] TANG, YU, CN
[72] WANG, ZHANMIN, CN
[73] XI'AN UNIVERSITY OF TECHNOLOGY, CN
[86] (3065617)
[87] (3065617)
[22] 2019-12-19
[30] CN (201910924643.8) 2019-09-27

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[13] C
[51] **Int.Cl. H04W 24/08 (2009.01) H04W 48/18 (2009.01) H04W 76/00 (2018.01)**
[25] EN
[54] **SERVICE ACCESS METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF D'ACCES DE SERVICE**
[72] LIU, JIANHUA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-29
[86] 2017-08-07 (PCT/CN2017/096267)
[87] (WO2019/028607)

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[25] EN
[54] **STERILE ADAPTER FOR A LINEARLY-ACTUATING INSTRUMENT DRIVER**
[54] **ADAPTATEUR STERILE POUR UN DISPOSITIF D'ENTRAINEMENT D'INSTRUMENT A ACTIONNEMENT LINEAIRE**
[72] SCHEIB, CHARLES J., US
[72] BAJO, ANDREA, US
[72] ANDERSON, KENT M., US
[73] VERB SURGICAL INC., US
[85] 2019-12-05
[86] 2018-06-28 (PCT/US2018/040142)
[87] (WO2019/006206)
[30] US (62/526,871) 2017-06-29
[30] US (16/020,547) 2018-06-27

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[51] **Int.Cl. A61K 35/74 (2015.01) A61K 9/19 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING A BACTERIAL STRAIN OF THE GENUS MEGASPHERA AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT UNE SOUCHE BACTERIENNE DU GENRE MEGASPHERA ET LEURS UTILISATIONS**
[72] MULDER, IMKE ELISABETH, GB
[72] YUILLE, SAMANTHA, GB
[72] ETTORRE, ANNA, GB
[72] AHMED, SUAAD, GB
[72] FOTIADOU, PARTHENA, GB
[72] URCIA, JOSEPH ROBY IRINGAN, GB
[72] SAVIGNAC, HELENE, GB
[73] 4D PHARMA RESEARCH LIMITED, GB
[85] 2019-12-06
[86] 2018-06-14 (PCT/EP2018/065858)
[87] (WO2018/229216)
[30] GB (1709468.1) 2017-06-14
[30] GB (1709534.0) 2017-06-15
[30] GB (1712851.3) 2017-08-10
[30] GB (1803826.5) 2018-03-09
[30] GB (1805989.9) 2018-04-11
[30] GB (1805991.5) 2018-04-11
[30] GB (1805990.7) 2018-04-11
[30] GB (1806779.3) 2018-04-25
[30] GB (1806780.1) 2018-04-25

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[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/173 (2006.01) B23K 9/26 (2006.01) B23K 9/29 (2006.01)**
[25] EN
[54] **WELDING TORCH WITH A FIRST CONTACT TIP TO PREHEAT WELDING WIRE AND A SECOND CONTACT TIP**
[54] **CHALUMEAU DE SOUDAGE DOTE D'UNE PREMIERE POINTE DE CONTACT POUR PRECHAUFFER UN FIL DE SOUDAGE ET D'UNE SECONDE POINTE DE CONTACT**
[72] SIGL, DENNIS ROLAND, US
[72] UECKER, JAMES LEE, US
[72] ZWAYER, JAKE BRADLEY, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-06
[86] 2018-06-11 (PCT/US2018/036915)
[87] (WO2018/227195)
[30] US (62/517,534) 2017-06-09

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD FOR RESOURCE CONFIGURATION, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE PERMETTANT DE CONFIGURER DES RESSOURCES, DISPOSITIF DE TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-09-15 (PCT/CN2017/101951)
[87] (WO2019/051803)

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[51] **Int.Cl. G01R 33/02 (2006.01) H01L 43/00 (2006.01)**
[25] EN
[54] **ULTRA HIGH-SENSITIVITY MICRO MAGNETIC SENSOR**
[54] **MICROCAPTEUR MAGNETIQUE A ULTRA HAUTE SENSIBILITE**
[72] HONKURA, YOSHINOBU, JP
[72] HONKURA, SHINPEI, JP
[73] ASAHI INTECC CO., LTD., JP
[85] 2019-12-13
[86] 2018-05-18 (PCT/JP2018/019392)
[87] (WO2018/230262)
[30] JP (2017-119171) 2017-06-16

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[51] **Int.Cl. G01N 1/18 (2006.01) B01L 3/00 (2006.01) C12M 1/00 (2006.01) C12M 3/00 (2006.01) C12N 5/00 (2006.01) C12Q 1/02 (2006.01) C12Q 1/26 (2006.01) G01N 1/28 (2006.01) G01N 1/36 (2006.01)**
[25] EN
[54] **MICROFLUIDIC ASSEMBLIES FOR STUDYING THE EFFECTS OF SPACE TRAVEL ON HUMAN BRAIN CELLS**
[54] **ENSEMBLE MICROFLUIDIQUES POUR ETUDIER LES EFFETS D'UN VOYAGE DANS L'ESPACE SUR LES CELLULES CEREBRALES HUMAINES**
[72] HINOJOSA, CHRISTOPHER DAVID, US
[72] SLIZ, JOSIAH, US
[72] PEDIADITAKIS, IOSIF, US
[72] BARTHAKUR, SONALEE, US
[73] EMULATE, INC., US
[85] 2019-12-13
[86] 2018-06-14 (PCT/US2018/037505)
[87] (WO2018/232096)
[30] US (62/519,739) 2017-06-14
[30] US (62/561,465) 2017-09-21
[30] US (62/648,715) 2018-03-27

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[13] C
[51] **Int.Cl. G01N 35/08 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **FLOW CELL WITH INTEGRATED MANIFOLD**
[54] **CELLULE D'ECOULEMENT A COLLECTEUR INTEGRE**
[72] LIN, SZ-CHIN, US
[72] TAYLOR, JAY, US
[72] RHEE, MINSOUNG, US
[72] FOLEY, JENNIFER, US
[72] COX-MURANAMI, WESLEY, US
[72] DELATTRE, CYRIL, US
[72] KHURANA, TARUN, US
[72] CRIVELLI, PAUL, US
[73] ILLUMINA, INC., US
[85] 2019-11-29
[86] 2019-04-30 (PCT/US2019/029783)
[87] (WO2019/213007)
[30] US (62/666,897) 2018-05-04

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[13] C
[51] **Int.Cl. B26D 7/32 (2006.01) B26D 3/11 (2006.01) B26D 7/06 (2006.01)**
[25] EN
[54] **CUT FOOD DENESTER**
[54] **DEPILEUR DE PRODUITS ALIMENTAIRES COUPES**
[72] WALKER, DAVID BRUCE, US
[72] NEEL, ALLEN J., US
[72] ENGLAR, JAMES, US
[73] J.R. SIMPLOT COMPANY, US
[85] 2019-12-17
[86] 2018-06-25 (PCT/US2018/039346)
[87] (WO2019/005693)
[30] US (62/527,737) 2017-06-30
[30] US (16/016,421) 2018-06-22

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[51] **Int.Cl. E06B 9/42 (2006.01) E06B 9/50 (2006.01) E06B 9/58 (2006.01) E06B 9/80 (2006.01)**
[25] EN
[54] **CORDLESS BLIND APPARATUS AND METHOD OF ADJUSTING A CORDLESS BLIND APPARATUS**
[54] **APPAREIL A STORE SANS CORDON ET PROCEDE DE REGLAGE D'UN APPAREIL A STORE SANS CORDON**
[72] JANG, SEONG-RYONG, KR
[73] WINTEC KOREA INC., KR
[85] 2019-12-17
[86] 2017-08-31 (PCT/KR2017/009578)
[87] (WO2018/235993)
[30] KR (10-2017-0077589) 2017-06-19

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[51] **Int.Cl. F16L 33/32 (2006.01) F16B 2/08 (2006.01) F16L 21/06 (2006.01) F16L 33/10 (2006.01)**
[25] EN
[54] **BAND WINDING TYPE HOSE CLAMP**
[54] **COLLIER DE SERRAGE DE TUYAU DE TYPE A ENROULEMENT DE BANDE**
[72] KONG, JONG SOO, KR
[73] KONG, JONG SOO, KR
[85] 2019-12-19
[86] 2018-06-19 (PCT/KR2018/006916)
[87] (WO2018/236129)
[30] KR (10-2017-0079151) 2017-06-22

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[51] **Int.Cl. F02M 21/02 (2006.01) F02D 19/02 (2006.01) F02D 19/06 (2006.01) F02M 37/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR ADAPTING AN INTERNAL COMBUSTION ENGINE TO BE POWERED BY GASEOUS FUEL IN GAS PHASE AND BY GASEOUS FUEL IN LIQUID PHASE**
[54] **SYSTEME D'ADAPTATION D'UN MOTEUR A COMBUSTION INTERNE A ALIMENTER PAR UN COMBUSTIBLE GAZEUX EN PHASE GAZEUSE ET PAR UN COMBUSTIBLE GAZEUX EN PHASE LIQUIDE**
[72] DOBROGOWSKI, PIOTR, PL
[72] TROCKI, MARCIN, PL
[72] SADOWSKI, ANDRZEJ, PL
[72] CYBULKO, TOMASZ, PL
[73] AC S.A., PL
[85] 2019-12-20
[86] 2017-07-28 (PCT/IB2017/054620)
[87] (WO2019/021040)

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[13] C
[51] **Int.Cl. G01V 99/00 (2009.01)**
[25] EN
[54] **PARALLEL-PROCESSING OF INVASION PERCOLATION FOR LARGE-SCALE, HIGH-RESOLUTION SIMULATION OF SECONDARY HYDROCARBON MIGRATION**
[54] **TRAITEMENT PARALLELE DE PERCOLATION D'INVASION POUR SIMULATION A HAUTE RESOLUTION ET GRANDE ECHELLE DE MIGRATION D'HYDROCARBURES SECONDAIRES**
[72] KAYUM, SUHA NAIM, SA
[72] FUNG, LARRY SIU-KUEN, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-12-20
[86] 2018-06-20 (PCT/US2018/038479)
[87] (WO2018/236987)

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[13] C
[51] **Int.Cl. G06F 16/906 (2019.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INTELLIGENTLY GROUPING FINANCIAL PRODUCT USERS INTO COHESIVE COHORTS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE REGROUPER DE MANIERE INTELLIGENTE DES UTILISATEURS DE PRODUITS FINANCIERS EN COHORTES COHESIVES**
[72] JENNINGS, JAMES, US
[72] MORIN, YAO, US
[72] CESSNA, JOSEPH B., US
[73] INTUIT INC., US
[85] 2019-12-20
[86] 2018-08-08 (PCT/US2018/045738)
[87] (WO2019/083590)
[30] US (15/796,594) 2017-10-27

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[13] C
[51] **Int.Cl. C22F 1/04 (2006.01) C22C 21/00 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE ALUMINUM ALLOYS HAVING HIGH AMOUNTS OF RECYCLED MATERIAL AND METHODS OF MAKING THE SAME**
[54] **ALLIAGES D'ALUMINIUM A HAUTE PERFORMANCE AYANT DES QUANTITES ELEVEES DE MATERIAU RECYCLE ET LEURS PROCEDES DE FABRICATION**
[72] FELBERBAUM, MILAN, US
[72] DAS, SAZOL KUMAR, US
[72] BARKER, SIMON WILLIAM, US
[72] PIROTEALA, TUDOR, US
[72] BENDZINSKI, DUANE E., US
[73] NOVELIS INC., US
[85] 2019-12-23
[86] 2018-07-05 (PCT/US2018/040886)
[87] (WO2019/010284)
[30] US (62/529,026) 2017-07-06

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[13] C
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/00 (2020.01) A61M 15/06 (2006.01)**
[25] EN
[54] **POWER SUPPLY UNIT FOR AEROSOL INHALER**
[54] **BLOC D`ALIMENTATION POUR INHALATEUR D`AEROSOL**
[72] AKAO, TAKESHI, JP
[73] JAPAN TOBACCO INC., JP
[86] (3068705)
[87] (3068705)
[22] 2020-01-16
[30] US (62/793,551) 2019-01-17
[30] JP (2019-035974) 2019-02-28

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[13] C
[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 21/62 (2013.01) H04L 51/212 (2022.01) G06F 7/00 (2006.01) H04M 3/436 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR A NON-REVEALING DO-NOT-CONTACT LIST SYSTEM**
[54] **PROCEDE ET APPAREIL DESTINES A UN SYSTEME DE LISTE DE NUMEROS INTERDITS A NE PAS DIVULGUER**
[72] PRINCE, MATTHEW B., US
[73] UNSPAM, LLC, US
[86] (3069088)
[87] (3069088)
[22] 2004-01-09
[62] 3,011,596
[30] US (60/442,273) 2003-01-23
[30] US (10/671,119) 2003-09-24

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[13] C
[51] **Int.Cl. C11D 3/33 (2006.01) C11D 1/46 (2006.01) C11D 3/30 (2006.01)**
[25] EN
[54] **CLEANING COMPOSITIONS COMPRISING NON-ALKOXYLATED ESTERAMINES**
[54] **COMPOSITIONS DE NETTOYAGE COMPRENANT DES ESTERAMINES NON ALCOXYLEES**
[72] SCIALLA, STEFANO, BE
[72] JACKSON, MICHELLE, GB
[72] LUDOLPH, BJOERN, DE
[72] EBERT, SOPHIA ROSA, DE
[72] BITTNER, CHRISTIAN, DE
[72] HULSKOTTER, FRANK, DE
[72] MIRACLE, GREGORY SCOT, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-07
[86] 2018-07-06 (PCT/US2018/041014)
[87] (WO2019/010368)
[30] US (62/529,511) 2017-07-07
[30] US (62/594,606) 2017-12-05

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[13] C
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/128 (2006.01) E21B 43/14 (2006.01) E21B 43/26 (2006.01) F16J 15/02 (2006.01)**
[25] EN
[54] **SLOTTED BACKUP RING ASSEMBLY**
[54] **ENSEMBLE BAGUE D'APPUI RAINURE**
[72] DENG, GUIJUN, US
[72] WAKEFIELD, JOHN K., US
[72] PATTERSON, ADAM, US
[72] KENDALL, ALEXANDER M., US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-01-13
[86] 2018-07-12 (PCT/US2018/041880)
[87] (WO2019/014482)
[30] US (15/649,363) 2017-07-13

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[13] C
[51] **Int.Cl. B01F 25/432 (2022.01) B01F 23/50 (2022.01)**
[25] EN
[54] **MIXER**
[54] **MELANGEUR**
[72] BUBLEWITZ, ALEXANDER, DE
[72] REBER, JENS-PETER, DE
[73] 3LMED GMBH, DE
[85] 2020-01-16
[86] 2018-07-26 (PCT/EP2018/070338)
[87] (WO2019/020764)
[30] DE (10 2017 117 198.3) 2017-07-28
[30] DE (10 2017 117 199.1) 2017-07-28

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[13] C
[51] **Int.Cl. G06F 8/10 (2018.01) G06Q 10/06 (2012.01) G06F 3/048 (2013.01)**
[25] EN
[54] **EDITING AND COMPILING BUSINESS RULES**
[54] **REGLES COMMERCIALES D'EDITION ET DE COMPILATION**
[72] GOULD, JOEL, US
[72] WHOLEY, JOSEPH SKEFFINGTON, III, US
[72] PERKINS, TIMOTHY, US
[73] AB INITIO TECHNOLOGY LLC, US
[86] (3070176)
[87] (3070176)
[22] 2008-03-27
[62] 3,015,741
[30] US (11/733,434) 2007-04-10

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[13] C
[51] **Int.Cl. H04W 12/069 (2021.01) H04W 12/02 (2009.01) H04W 60/00 (2009.01) H04W 12/42 (2021.01)**
[25] EN
[54] **SUBSCRIPTION CONCEALED IDENTIFIER**
[54] **IDENTIFIANT CACHE D'ABONNEMENT**
[72] TORVINEN, VESA, FI
[72] NAKARMI, PRAJWOL KUMAR, SE
[72] BEN HENDA, NOAMEN, SE
[72] CASTELLANOS ZAMORA, DAVID, ES
[72] WIFVESSON, MONICA, SE
[72] SAARINEN, PASI, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2020-01-23
[86] 2018-07-17 (PCT/EP2018/069432)
[87] (WO2019/020439)
[30] US (62/536632) 2017-07-25

[11] **3,070,971**
[13] C
[51] **Int.Cl. H05K 7/10 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **SMALL FORM-FACTOR PLUGGABLE MODULE**
[54] **EMETTEUR-RECEPTEUR ENFICHABLE A FAIBLE ENCOMBREMENT**
[72] YU, TE-SHU, CN
[73] OPTOWAY TECHNOLOGY INC., CN
[86] (3070971)
[87] (3070971)
[22] 2020-02-04
[30] US (62/875,951) 2019-07-18
[30] TW (108137089) 2019-10-15

[11] **3,071,536**
[13] C
[51] **Int.Cl. C11D 3/48 (2006.01) C11D 1/44 (2006.01) C11D 1/62 (2006.01) C11D 1/645 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL CLEANING COMPOSITION**
[54] **COMPOSITION DE NETTOYAGE ANTIMICROBIENNE**
[72] CEULEMANS, RAPHAEL ANGELINE ALFONS, BE
[72] DELPLANCKE, PATRICK FIRMIN AUGUST, BE
[72] FAIRWEATHER, NEIL THOMAS, US
[72] PEREZ-PRAT VINUESA, EVA MARIA, GB
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-29
[86] 2018-07-27 (PCT/US2018/043995)
[87] (WO2019/036173)
[30] EP (17186365.7) 2017-08-16
[30] EP (18166716.3) 2018-04-11

[11] **3,071,840**
[13] C
[51] **Int.Cl. B65D 33/25 (2006.01)**
[25] EN
[54] **CHILD-RESISTANT RECLOSABLE BAGS**
[54] **SACS REFERMABLES A L'EPREUVE DES ENFANTS**
[72] SEPTIEN ROJAS, JOSE MANUEL, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2020-01-31
[86] 2018-08-02 (PCT/US2018/044941)
[87] (WO2019/028216)
[30] US (62/540,914) 2017-08-03
[30] US (62/548,057) 2017-08-21

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[13] C
[51] **Int.Cl. A61N 5/06 (2006.01) A61F 9/007 (2006.01) A61F 9/008 (2006.01) A61N 5/067 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DIRECTING LIGHT INTO A PATIENT'S EYE**
[54] **SYSTEME ET PROCEDE POUR DIRIGER LA LUMIERE DANS L'□IL D'UN PATIENT**
[72] JOHNSON, DOUGLAS, US
[72] KANARSKY, MAX, US
[72] FINN, LARRY W., US
[72] CAMPBELL, IAN DWAYNE, US
[72] LENK, JEFFREY A., US
[72] BARRETT, MICHAEL T., US
[72] LENK, SCOTT R., US
[73] MULTI RADIANCE MEDICAL, US
[85] 2020-01-31
[86] 2018-08-02 (PCT/US2018/044954)
[87] (WO2019/028222)
[30] US (62/540,204) 2017-08-02

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[13] C
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/127 (2006.01)**
[25] EN
[54] **PACKERS HAVING CONTROLLED SWELLING**
[54] **GARNITURES D'ETANCHEITE A GONFLEMENT COMMANDE**
[72] SADANA, ANIL, US
[72] KOVALCHUK, ANTON, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-02-12
[86] 2018-07-16 (PCT/US2018/042279)
[87] (WO2019/036133)
[30] US (15/679,665) 2017-08-17

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[13] C
[51] **Int.Cl. E21D 11/10 (2006.01)**
[25] EN
[54] **REINFORCEMENT SYSTEM FOR THE CONCRETE LINING OF THE INNER SHELL OF A TUNNEL CONSTRUCTION**
[54] **SYSTEME D'ARMATURE POUR LA CONSTRUCTION EN BETON DE LA COQUE INTERIEURE D'UN OUVRAGE DE TUNNEL**
[72] HEYMANN, MARTIN, DE
[73] GSR SPANNRING GMBH, DE
[85] 2020-02-13
[86] 2018-08-24 (PCT/DE2018/100734)
[87] (WO2019/047997)
[30] DE (10 2017 120 635.3) 2017-09-07
[30] DE (20 2017 105 802.6) 2017-09-25
[30] DE (10 2017 125 624.5) 2017-11-02
[30] DE (20 2018 102 249.0) 2018-04-23

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[13] C
[51] **Int.Cl. G01F 22/00 (2006.01) G01N 11/10 (2006.01) G01N 11/14 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR SENSING THE VOLUME AND/OR VISCOSITY OF CONCRETE IN A ROTATING CONTAINER**
[54] **TECHNIQUES DE DETECTION DU VOLUME ET/OU DE LA VISCOSITE DU BETON DANS UN RECIPIENT ROTATIF**
[72] BIESAK, JOHN, US
[72] LOOSE, DOUGLAS H., US
[72] SULLIVAN, JAMES MICHAEL, US
[72] DOLAN, PAUL, US
[72] DAVIS, MICHAEL A., US
[72] NEWTON, DAVID VINCENT, US
[72] WINSTON, CHARLES, US
[73] CIDRA CORPORATE SERVICES LLC, US
[85] 2020-02-13
[86] 2018-08-22 (PCT/US2018/047429)
[87] (WO2019/040562)
[30] US (62/548,683) 2017-08-22
[30] US (62/548,699) 2017-08-22

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[13] C
[51] **Int.Cl. A01N 43/90 (2006.01) A01N 31/02 (2006.01) A01N 37/44 (2006.01) A01P 3/00 (2006.01) C07C 229/16 (2006.01) C07D 487/22 (2006.01)**
[25] EN
[54] **PHOTODYNAMIC INHIBITION OF MICROBIAL PATHOGENS IN PLANTS**
[54] **INHIBITION PHOTODYNAMIQUE D'AGENTS PATHOGENES MICROBIENS DANS DES PLANTES**
[72] PLAETZER, KRISTJAN, AT
[72] GLUECK, MICHAEL JOHANNES, DE
[72] FEFER, MICHAEL, CA
[72] LIU, JUN, CA
[72] NASH, BRADY, CA
[72] NG, KENNETH KA-SENG, CA
[72] TERAZONO, YUICHI, CA
[73] SUNCOR ENERGY INC., CA
[85] 2020-02-14
[86] 2018-08-16 (PCT/CA2018/050997)
[87] (WO2019/033216)
[30] US (62/546,221) 2017-08-16

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[13] C
[51] **Int.Cl. H02J 50/00 (2016.01) A61M 37/00 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **WIRELESS POWER SUPPLY AND SPEED CONTROLLER FOR TATTOO MACHINE**
[54] **BLOC D'ALIMENTATION ET COMMANDE DE VITESSE SANS FIL POUR UNE MACHINE A TATOUER**
[72] LIPSCOMB, RANDY, US
[73] CRITICAL TATTOO SUPPLY, LLC, US
[85] 2020-02-24
[86] 2019-11-19 (PCT/US2019/062205)
[87] (WO2020/236214)
[30] US (16/417,904) 2019-05-21

[11] **3,073,591**
[13] C
[51] **Int.Cl. B31D 5/00 (2017.01) B65H 16/10 (2006.01)**
[25] EN
[54] **DUNNAGE CONVERSION SYSTEM AND METHOD FOR EXPANDING EXPANDABLE SHEET MATERIAL**
[54] **SYSTEME ET PROCEDE DE CONVERSION DE FARDAGE POUR ETENDRE UNE MATERIAU EN FEUILLE EXTENSIBLE**
[72] CHEICH, ROBERT C., US
[72] WAGNER, DENNIS J., US
[73] RANPAK CORP., US
[85] 2020-02-20
[86] 2018-08-31 (PCT/US2018/048999)
[87] (WO2019/046669)
[30] US (62/553,217) 2017-09-01

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[13] C
[51] **Int.Cl. H02M 1/10 (2006.01) B60Q 3/47 (2017.01) H02M 1/14 (2006.01) H02M 7/04 (2006.01) H05K 1/14 (2006.01) H05K 1/18 (2006.01)**
[25] EN
[54] **UNIVERSAL AC AND DC INPUT MODULAR INTERCONNECTABLE PRINTED CIRCUIT BOARD FOR POWER DISTRIBUTION MANAGEMENT TO LIGHT EMITTING DIODES**
[54] **CARTE DE CIRCUIT IMPRIME INTERCONNECTABLE MODULAIRE D'ENTREE CA ET CC UNIVERSELLE POUR LA GESTION DE LA DISTRIBUTION DE PUISSANCE A DES DIODES ELECTROLUMINESCENTES**
[72] AUBERT, ANDREW CLARK BAIRD, CA
[73] 2449049 ONTARIO INC., CA
[85] 2020-02-24
[86] 2018-09-10 (PCT/CA2018/051112)
[87] (WO2019/046969)
[30] US (62/556,694) 2017-09-11

[11] **3,073,881**
[13] C
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 49/00 (2006.01)**
[25] EN
[54] **WELL PRODUCTION OPTIMIZATION USING HYPERSPECTRAL IMAGING**
[54] **OPTIMISATION DE LA PRODUCTION DE PUITS A L`AIDE D`UNE IMAGERIE HYPERSPECTRALE**
[72] KAY, ANTHONY, CA
[73] HUSKY OIL OPERATIONS LIMITED, CA
[86] (3073881)
[87] (3073881)
[22] 2020-02-27
[30] US (62/813,813) 2019-03-05

[11] **3,074,085**
[13] C
[51] **Int.Cl. E03C 1/044 (2006.01) E03B 7/04 (2006.01) E03B 7/07 (2006.01) F25D 17/02 (2006.01) F25D 31/00 (2006.01)**
[25] EN
[54] **DRINKING WATER CIRCULATION DEVICE**
[54] **DISPOSITIF DE CIRCULATION D`EAU POTABLE**
[72] THEILE, TOBIAS, DE
[72] HOSSEL, HENDRIK, DE
[72] VOGT, ALEXANDER, DE
[72] SCHLEIME, TIM, DE
[73] GEBR. KEMPER GMBH + CO. KG METALLWERKE, DE
[86] (3074085)
[87] (3074085)
[22] 2020-02-27
[30] DE (202019001121) 2019-03-08

[11] **3,074,098**
[13] C
[51] **Int.Cl. G10L 19/26 (2013.01) G10L 19/02 (2013.01) H03H 17/02 (2006.01)**
[25] EN
[54] **COMPLEX EXPONENTIAL MODULATED FILTER BANK FOR HIGH FREQUENCY RECONSTRUCTION OR PARAMETRIC STEREO**
[54] **BANC DE FILTRES MODULES EXPONENTIELS COMPLEXES DESTINE A LA RECONSTRUCTION HAUTE FREQUENCE OU A LA STEREO PARAMETRIQUE**
[72] EKSTRAND, PER, SE
[73] DOLBY INTERNATIONAL AB, NL
[86] (3074098)
[87] (3074098)
[22] 2010-02-17
[62] 3,028,387
[30] SE (0900217-1) 2009-02-18
[30] US (61/257105) 2009-11-02

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[13] C
[51] **Int.Cl. F16H 57/021 (2012.01) B64C 27/12 (2006.01) B64D 35/00 (2006.01) F16H 1/48 (2006.01) F16H 57/08 (2006.01)**
[25] FR
[54] **TRAIN EPICYCLOIDAL D`ENGRENAGE, BOITE DE TRANSMISSION DE PUISSANCE, AERONEF, ET PROCEDE**
[54] **TRAIN EPICYCLOIDAL D'ENGRENAGE, BOITE DE TRANSMISSION DE PUISSANCE, AERONEF, ET PROCEDE**
[72] TOURNIAIRE, JEAN-CLAUDE, FR
[72] MARTINEZ, JEREMY, FR
[72] TAILLER, ROMAIN, FR
[73] AIRBUS HELICOPTERS, FR
[86] (3074502)
[87] (3074502)
[22] 2020-03-03
[30] FR (1902446) 2019-03-11

[11] **3,075,108**
[13] C
[51] **Int.Cl. F21V 21/15 (2006.01) A61L 2/10 (2006.01) A61L 9/20 (2006.01) F21V 7/00 (2006.01) F21V 9/00 (2018.01) F21V 14/00 (2018.01) F21V 21/14 (2006.01) H01J 61/02 (2006.01)**
[25] EN
[54] **ULTRAVIOLET DISCHARGE LAMP APPARATUSES WITH ONE OR MORE REFLECTORS AND SYSTEMS WHICH DETERMINE OPERATING PARAMETERS AND DISINFECTION SCHEDULES FOR GERMICIDAL DEVICES**
[54] **APPAREILS A LAMPE A DECHARGE ULTRAVIOLETTE POSSEDANT UN OU PLUSIEURS REFLECTEURS ET DES SYSTEMES QUI DETERMINENT DES PARAMETRES DE FONCTIONNEMENT ET DES PROGRAMMES DE DESINFECTION POUR DES DISPOSITIFS GERMICIDES**
[72] STIBICH, MARK ANDREW, US
[72] WOLFORD, JAMES BLAINE, US
[72] GARFIELD, ALEXANDER NATHAN, US
[72] RATHGEBER, MARTIN, US
[72] FRYDENDALL, ERIC MARTIN, US
[73] XENEX DISINFECTION SERVICES INC., US
[86] (3075108)
[87] (3075108)
[22] 2012-06-08
[62] 3,030,681
[30] US (13/156,131) 2011-06-08

[11] **3,075,113**
[13] C
[51] **Int.Cl. G01V 8/00 (2006.01) H04W 4/38 (2018.01)**
[25] EN
[54] **SMALL INTELLIGENT OPTICAL OBSERVATION APPARATUS FOR WATER BODY AND METHOD OF EVALUATING QUALITY OF GLOBAL WATER BODY WITH THE SAME**
[54] **PETIT APPAREIL D`OBSERVATION OPTIQUE INTELLIGENT POUR LES PLANS D`EAU ET METHODE D`EVALUATION DE LA QUALITE DE L`ENSEMBLE DU PLAN D`EAU AU MOYEN DU PETIT APPAREIL**
[72] SUN, ZHAOHUA, CA
[72] ZHANG, LUTING, CA
[73] EASY OCEAN TECHNOLOGY LTD, CA
[86] (3075113)
[87] (3075113)
[22] 2020-03-11

[11] **3,075,128**
[13] C
[51] **Int.Cl. A61B 17/22 (2006.01) A61B 17/225 (2006.01)**
[25] EN
[54] **UNFOCUSED ELECTROHYDRAULIC LITHOTRIPTER**
[54] **LITHOTRITEUR ELECTROHYDRAULIQUE NON FOCALISE**
[72] MANTELL, ROBERT, US
[73] NORTHGATE TECHNOLOGIES INC., US
[86] (3075128)
[87] (3075128)
[22] 2014-03-10
[62] 2,905,107
[30] US (61/775,907) 2013-03-11

[11] **3,075,169**
[13] C
[51] **Int.Cl. F16H 7/10 (2006.01) F16H 7/12 (2006.01)**
[25] EN
[54] **TENSIONER AND METHOD**
[54] **TENDEUR ET PROCEDE**
[72] LIU, KEMING, US
[72] HAO, MIN CHUN, CN
[72] ZHAN, JIN, CN
[72] WICK, ENRICO, DE
[72] MARTINEZ, ARNAUD, NL
[72] BASSI, FRANCESCO, IT
[73] GATES CORPORATION, US
[85] 2020-03-06
[86] 2018-09-05 (PCT/US2018/049501)
[87] (WO2019/050914)
[30] US (15/699,859) 2017-09-08

[11] **3,075,196**
[13] C
[51] **Int.Cl. H04W 56/00 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **METHOD, NETWORK APPARATUS, AND TERMINAL APPARATUS FOR INDICATING POSITION OF SYNCHRONIZATION SIGNAL BLOCK**
[54] **PROCEDE, APPAREIL DE RESEAU ET APPAREIL TERMINAL POUR INDIQUER LA POSITION D'UN BLOC DE SIGNAL DE SYNCHRONISATION**
[72] ZHANG, ZHI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-03-06
[86] 2017-09-08 (PCT/CN2017/101143)
[87] (WO2019/047192)

[11] **3,075,296**
[13] C
[51] **Int.Cl. F21V 8/00 (2006.01)**
[25] EN
[54] **BACKLIT TRANSPARENT DISPLAY, TRANSPARENT DISPLAY SYSTEM, AND METHOD**
[54] **DISPOSITIF D'AFFICHAGE TRANSPARENT RETROECLAIRE, SYSTEME D'AFFICHAGE TRANSPARENT ET PROCEDE**
[72] FATTAL, DAVID A., US
[73] LEIA INC., US
[85] 2020-03-09
[86] 2017-10-27 (PCT/US2017/058854)
[87] (WO2019/083549)

[11] **3,075,772**
[13] C
[51] **Int.Cl. C07K 7/64 (2006.01) A01N 37/46 (2006.01) A01P 1/00 (2006.01) A61K 38/12 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01) C02F 1/50 (2006.01) C02F 1/68 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **DISPERSION AND DETACHMENT OF CELL AGGREGATES**
[54] **DISPERSION ET DETACHEMENT D'AGREGATS CELLULAIRES**
[72] ZLOTKIN, AMIR, US
[73] HUTCHISON BIOFILM MEDICAL SOLUTIONS LIMITED, BS
[86] (3075772)
[87] (3075772)
[22] 2012-05-31
[62] 2,837,412
[30] US (61/491,756) 2011-05-31

[11] **3,076,030**
[13] C
[51] **Int.Cl. B23D 7/06 (2006.01) B23B 27/10 (2006.01) B23B 27/16 (2006.01) B23B 29/04 (2006.01) B23D 13/00 (2006.01)**
[25] EN
[54] **HOLDER FOR A BROACHING TOOL**
[54] **SUPPORT POUR UN OUTIL DE RAINURAGE**
[72] KANZ, ANDREAS, DE
[72] LUIK, MATTHIAS, DE
[73] HARTMETALL-WERKZEUGFABRIK PAUL HORN GMBH, DE
[85] 2020-03-17
[86] 2018-10-05 (PCT/EP2018/077077)
[87] (WO2019/072696)
[30] DE (10 2017 123 786.0) 2017-10-12

[11] **3,077,032**
[13] C
[51] **Int.Cl. C09D 11/101 (2014.01) B41F 7/00 (2006.01) B41F 31/18 (2006.01)**
[25] EN
[54] **INK COMPOSITION AND METHOD OF PRINTING THE INK COMPOSITION**
[54] **COMPOSITION D`ENCRE ET PROCEDE D`IMPRESSION DE LA COMPOSITION D`ENCRE**
[72] CLARIDGE, ROBERT, US
[72] CHOPRA, NAVEEN, US
[72] ABRAHAM, BIBY ESTHER, US
[73] XEROX CORPORATION, US
[86] (3077032)
[87] (3077032)
[22] 2020-03-25
[30] US (16/368273) 2019-03-28

[11] **3,077,116**
[13] C
[51] **Int.Cl. C12Q 1/02 (2006.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01)**
[25] FR
[54] **METHODS FOR DETECTING CONTAMINANTS IN SOLUTIONS CONTAINING GLUCOSE POLYMERS**
[54] **METHODES DE DETECTION DE CONTAMINANTS DANS DES SOLUTIONS CONTENANTS DES POLYMERES DE GLUCOSE**
[72] LANOS, PIERRE, FR
[72] HACINE-GHERBI, HELA, FR
[72] ALLAIN, FABRICE, FR
[72] CARPENTIER, MATHIEU, FR
[72] DENYS, AGNES, FR
[73] ROQUETTE FRERES, FR
[86] (3077116)
[87] (3077116)
[22] 2012-04-06
[62] 2,831,003
[30] FR (1153050) 2011-04-08
[30] FR (1154342) 2011-05-19
[30] FR (1157073) 2011-08-02
[30] FR (1160921) 2011-11-29

[11] **3,077,264**
[13] C
[51] **Int.Cl. A63G 9/00 (2006.01) A63G 27/00 (2006.01) A63G 31/00 (2006.01)**
[25] EN
[54] **AMUSEMENT RIDE**
[54] **INSTALLATION POUR DIVERTISSEMENTS PUBLICS**
[72] SORNIK, FRANK, DE
[73] MACK RIDES GMBH & CO. KG, DE
[85] 2020-03-27
[86] 2018-07-12 (PCT/EP2018/068865)
[87] (WO2019/081077)
[30] DE (10 2017 125 288.6) 2017-10-27

[11] **3,077,463**
[13] C
[51] **Int.Cl. G01M 13/005 (2019.01) F04B 39/00 (2006.01) F04B 53/14 (2006.01) F16J 9/26 (2006.01) F16J 9/28 (2006.01) G01N 3/12 (2006.01)**
[25] EN
[54] **PISTON RING, RECIPROCATING COMPRESSOR, METHOD FOR SELECTING PISTON RING AND METHOD FOR EVALUATING LIFE OF PISTON RING**
[54] **SEGMENT DE PISTON, COMPRESSEUR ALTERNATIF, PROCEDE POUR SELECTIONNER UN SEGMENT DE PISTON ET PROCEDE POUR EVALUER LA DUREE DE VIE DU SEGMENT DE PISTON**
[72] OOTSUKA, TOMOHIRO, JP
[72] KANEI, NAOFUMI, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[86] (3077463)
[87] (3077463)
[22] 2020-03-26
[30] JP (2019-085660) 2019-04-26

[11] **3,077,869**
[13] C
[51] **Int.Cl. E05B 65/06 (2006.01) E06B 3/70 (2006.01) E06B 7/28 (2006.01)**
[25] EN
[54] **DOOR LEAF**
[54] **BATTANT DE PORTE**
[72] HALL, BENJAMIN, GB
[73] KINGSWAY ENTERPRISES (UK) LIMITED, GB
[86] (3077869)
[87] (3077869)
[22] 2020-04-03
[30] GB (1910707.7) 2019-07-26

[11] **3,077,995**
[13] C
[51] **Int.Cl. B63H 19/02 (2006.01) B63B 1/30 (2006.01) B63H 21/20 (2006.01) F03B 13/14 (2006.01)**
[25] EN
[54] **WATERCRAFT THAT HARVEST BOTH LOCOMOTIVE THRUST AND ELECTRICAL POWER FROM WAVE MOTION**
[54] **EMBARCATION RECUEILLANT A LA FOIS LA POUSSEE DE LOCOMOTION ET L'ENERGIE ELECTRIQUE PROVENANT DU MOUVEMENT DES VAGUES**
[72] HINE, ROGER G., US
[73] LIQUID ROBOTICS, INC., US
[86] (3077995)
[87] (3077995)
[22] 2012-06-28
[62] 2,839,945
[30] US (PCT/US2012/029703) 2012-03-19
[30] US (PCT/US2012/029696) 2012-03-19
[30] US (PCT/US2012/029718) 2012-03-19
[30] US (61/585,229) 2012-01-10
[30] US (61/502,279) 2011-06-28
[30] US (61/535,116) 2011-09-15
[30] US (13/424,156) 2012-03-19
[30] US (13/424,170) 2012-03-19
[30] US (13/424,239) 2012-03-19

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[13] C
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 29/02 (2006.01)**
[25] EN
[54] **PLUG FORMED FROM A DISINTEGRATE ON DEMAND (DOD) MATERIAL**
[54] **OBTURATEUR FORME A PARTIR D'UN MATERIAU A DESINTEGRATION A LA DEMANDE (DOD)**
[72] XU, YINGQING, US
[72] WRIGHT, BEAU, US
[72] XU, ZHIYUE, US
[72] DOANE, JAMES, US
[72] JOHNSON, MIKE, US
[72] FARMER, JACK, US
[72] RUDDOCK, DAVID, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-04-01
[86] 2018-09-13 (PCT/US2018/050814)
[87] (WO2019/078982)
[30] US (15/784,882) 2017-10-16

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[13] C
[51] **Int.Cl. A63B 21/00 (2006.01) A63B 22/18 (2006.01) A63B 23/04 (2006.01) A63B 69/00 (2006.01)**
[25] EN
[54] **DEVICES AND METHOD FOR INCREASING RUNNING PERFORMANCE**
[54] **DISPOSITIFS ET PROCEDE POUR AUGMENTER LES PERFORMANCES EN COURSE A PIEDS**
[72] WECK, DAVID S., US
[73] BOSU FITNESS, LLC, US
[85] 2020-04-03
[86] 2018-08-16 (PCT/US2018/000177)
[87] (WO2019/074533)
[30] US (62/569,702) 2017-10-09
[30] US (62/639,059) 2018-03-06

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[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD, TERMINAL AND NETWORK DEVICE**
[54] **PROCEDE DE COMMUNICATION SANS FIL, TERMINAL ET DISPOSITIF DE RESEAU**
[72] CHEN, WENHONG, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-04-07
[86] 2017-10-14 (PCT/CN2017/106218)
[87] (WO2019/071624)

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[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF 6-(2-HYDROXY-2-METHYLPROPOXY)-4-(6-(6-((6-METHOXYPYRIDIN-3-YL)METHYL)-3,6-DIAZABICYCLO[3.1.1]HEPTAN-3-YL)PYRIDIN-3-YL)PYRAZOLO[1,5-A]PYRIDINE-3-CARBONITRILE**
[54] **PROCEDE DE PREPARATION DE 6-(2-HYDROXY-2-METHYLPROPOXY)-4-(6-(6-((6-METHOXYPYRIDIN-3-YL)METHYL)-3,6-DIAZABICYCLO[3.1.1]HEPTAN-3-YL)PYRIDIN-3-YL)PYRAZOLO[1,5-A]PYRIDINE-3-CARBONITRILE**
[72] EARY, CHARLES TODD, US
[72] SPENCER, STACEY, US
[72] CRANE, ZACK, US
[72] CHANDO, KATELYN, US
[72] ASSELIN, SYLVIE, US
[72] LIU, WEIDONG, US
[72] WELCH, MIKE, US
[72] COOK, ADAM, US
[72] KOLAKOWSKI, GABRIELLE R., US
[72] METCALF, ANDREW T., US
[72] MORENO, DAVID A., US
[72] TANG, TONY P., US
[73] ARRAY BIOPHARMA INC., US
[73] LOXO ONCOLOGY, INC., US
[85] 2020-04-09
[86] 2018-10-10 (PCT/US2018/055255)
[87] (WO2019/075092)
[30] US (62/570,565) 2017-10-10

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[13] C
[51] **Int.Cl. E05B 47/00 (2006.01) E05B 47/06 (2006.01)**
[25] EN
[54] **ELECTROMECHANICAL LOCK UTILIZING MAGNETIC FIELD FORCES**
[54] **SERRURE ELECTROMAGNETIQUE UTILISANT DES FORCES DE CHAMP MAGNETIQUE**
[72] TIKKANEN, VAINO, FI
[72] ARVOLA, MAURI, FI
[73] ILOQ OY, FI
[85] 2020-04-14
[86] 2018-11-02 (PCT/EP2018/079967)
[87] (WO2019/086587)
[30] EP (17199659.8) 2017-11-02

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[13] C
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/37 (2016.01) B25J 9/18 (2006.01)**
[25] EN
[54] **CONTROL MODES AND PROCESSES FOR POSITIONING OF A ROBOTIC MANIPULATOR**
[54] **MODES DE COMMANDE ET PROCEDES DE POSITIONNEMENT D'UN MANIPULATEUR ROBOTIQUE**
[72] ZHOU, RENBIN, US
[72] YU, HAORAN, US
[72] NIA KOSARI, SINA, US
[72] VAKHARIA, OMAR J., US
[72] SIU, BERNARD FAI KIN, US
[72] KITURKES, ALEX, US
[73] VERB SURGICAL INC., US
[85] 2020-04-16
[86] 2017-12-13 (PCT/US2017/066187)
[87] (WO2019/117896)

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[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTI-VISTA ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-VISTA ET SON UTILISATION**
[72] LEE, YOUNGAE, KR
[72] BYUN, SANG SOON, KR
[72] HA, JUNG MIN, KR
[72] AHN, SUNGHO, KR
[72] OH, KEUNHEE, KR
[72] LEE, WEON SUP, KR
[72] PARK, MI JU, KR
[72] LEE, EUN HEE, KR
[72] KIM, DO-YUN, KR
[72] YOO, JIN-SAN, KR
[73] PHARMABCINE INC., KR
[85] 2020-04-20
[86] 2018-10-22 (PCT/KR2018/012494)
[87] (WO2019/078699)
[30] KR (10-2017-0136632) 2017-10-20

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[13] C
[51] **Int.Cl. C25B 1/04 (2021.01) C01B 3/02 (2006.01) C01B 3/50 (2006.01) C02F 1/68 (2006.01)**
[25] EN
[54] **INTEGRATED HYDROGEN GAS GENERATOR WITH HYDROGEN WATER MODULE**
[54] **GENERATEUR D`HYDROGENE GAZEUX INTEGRE AVEC MODULE D'EAU HYDROGENEE**
[72] LIN, HSIN-YUNG, CN
[73] SHANGHAI ASCLEPIUS MEDITEC CO., LTD., CN
[86] (3080420)
[87] (3080420)
[22] 2020-05-06
[30] TW (108115736) 2019-05-07

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[13] C
[51] **Int.Cl. B01D 53/02 (2006.01) C01B 3/56 (2006.01)**
[25] EN
[54] **REDUCING FLUCTUATIONS IN TAIL GAS FLOW FROM AN ADSORPTION UNIT**
[54] **REDUCTION DES FLUCTUATIONS DANS L`ECOULEMENT DES GAZ DU POINT D`ANCRAGE A PARTIR D`UNE UNITE D`ABSORPTION**
[72] D'ADDIO, ELIZABETH M., US
[72] WOOD, CHRISTOPHER H., US
[72] SHAO, QUAN MIN, US
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (3080794)
[87] (3080794)
[22] 2020-05-19
[30] US (16/421,543) 2019-05-24

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[13] C
[51] **Int.Cl. B05B 1/30 (2006.01) B05B 1/18 (2006.01) B05B 1/34 (2006.01)**
[25] EN
[54] **WATER SPRAY GUN FOR CONTROL OF OUTFLOW OF WATER AND ADJUSTMENT OF OUTFLOW**
[54] **PISTOLET A EAU POUR LE CONTROLE DU DEBIT SORTANT ET LE REGLAGE DU DEBIT SORTANT**
[72] CHENG, CHI-HAN, CN
[73] YUAN MEI CORP., CN
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[87] (3081021)
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[54] **LOCKING PLIERS RELEASE MECHANISM**
[54] **MECANISME DE DECLENCHEMENT DE PINCE-ETAUX**
[72] BENDORF, SCOTT A., US
[73] SNAP-ON INCORPORATED, US
[86] (3081852)
[87] (3081852)
[22] 2020-06-03
[30] US (16/433,604) 2019-06-06

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[25] EN
[54] **DOWNHOLE TOOL WITH TETHERED BALL**
[54] **OUTIL DE FOND DE TROU A BILLE ATTACHEE**
[72] DAVIES, EVAN LLOYD, US
[72] HUGHES, DAVID, US
[72] AVILA, LUIS MIGUEL, US
[73] THE WELLBOSS COMPANY, LLC, US
[85] 2020-05-05
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[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/38 (2006.01)**
[25] EN
[54] **SANDGUARD FOR A PROGRESSIVE CAVITY PUMP**
[54] **SYSTEME ANTI-SABLE POUR POMPE A CAVITE PROGRESSIVE**
[72] WEBBER, ANDREW, US
[73] FORUM US, INC., US
[85] 2020-05-05
[86] 2018-11-12 (PCT/US2018/060276)
[87] (WO2019/099327)
[30] US (15/815,981) 2017-11-17

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[25] EN
[54] **A LIQUID DISPENSER FOR AN INVERTED CONTAINER**
[54] **DISTRIBUTEUR DE LIQUIDE POUR CONTENANT INVERSE**
[72] HOEFTE, PAULUS ANTONIUS AUGUSTINUS, BE
[72] SCHOUBBEN, JIMMY, BE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-05-07
[86] 2018-09-20 (PCT/US2018/051905)
[87] (WO2019/108293)
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[51] **Int.Cl. C09C 1/02 (2006.01) B01F 23/60 (2022.01) B02C 17/16 (2006.01) B02C 23/12 (2006.01) C01F 11/18 (2006.01) C08K 3/26 (2006.01) C08K 9/04 (2006.01) C09C 3/04 (2006.01) C09C 3/08 (2006.01) C01B 32/60 (2017.01)**
[25] EN
[54] **METHODS FOR PREPARING AND COMPOSITIONS INCLUDING UNTREATED AND SURFACE-TREATED ALKALINE EARTH METAL CARBONATES**
[54] **PROCEDES DE PREPARATION ET COMPOSITIONS COMPRENANT DES CARBONATES DE METAUX ALCALINO-TERREUX TRAITES EN SURFACE ET NON TRAITES**
[72] BLEVINS, CHARLES MICHAEL, US
[72] CALHOUN, ALLISON ANNE, US
[73] INCOA PARTNERS, LLC, US
[85] 2020-05-11
[86] 2018-10-22 (PCT/US2018/056867)
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[30] US (62/587,932) 2017-11-17
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[25] EN
[54] **METHODS FOR REDUCING MOISTURE CONTENT IN ALKALINE EARTH METAL CARBONATES**
[54] **PROCEDES DE REDUCTION DE LA TENEUR EN HUMIDITE DANS DES CARBONATES DE METAUX ALCALINO-TERREUX**
[72] CALHOUN, ALLISON ANNE, US
[72] BLEVINS, CHARLES MICHAEL, US
[73] INCOA PARTNERS, LLC, US
[85] 2020-05-11
[86] 2018-11-15 (PCT/US2018/061209)
[87] (WO2019/099618)
[30] US (62/587,932) 2017-11-17
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[25] EN
[54] **INSULATING GLAZING COMPRISING A PRESSURE EQUALIZATION BODY WITH A MEMBRANE AND CAPILLARY**
[54] **VITRAGE ISOLANT COMPRENANT UN ELEMENT D'EQUILIBRAGE DE PRESSION MUNI D'UNE MEMBRANE ET D'UN CAPILLAIRE**
[72] SCHREIBER, WALTER, DE
[72] CARRE, FLORIAN, DE
[72] NUSSER, DIRK, DE
[72] SACU, EROL ERTUGRUL, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-05-12
[86] 2018-11-29 (PCT/EP2018/082969)
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[54] **A CONNECTION CLAMP OF BUIDLING FORMWORK**
[54] **BRIDE DE RACCORDEMENT DE COFFRAGE DE CONSTRUCTION**
[72] LIU, CHENGWEN, CN
[73] GUANGZHOU LEADER EQUIPMENT LTD, CN
[85] 2020-05-15
[86] 2018-12-03 (PCT/CN2018/118852)
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[30] CN (201810680099.2) 2018-06-27

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[54] **PRESS FORMING METHOD**
[54] **PROCEDE DE FORMAGE PAR PRESSE**
[72] AKIBA, HIROKATSU, JP
[72] SANO, TAKESHI, JP
[72] MATSUTANI, KENJI, JP
[72] KANO, TAKAYUKI, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2020-05-21
[86] 2018-11-19 (PCT/JP2018/042728)
[87] (WO2019/102972)
[30] JP (2017-223384) 2017-11-21

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[13] C
[51] **Int.Cl. A61K 31/472 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **USE OF BERBAMINE DIHYDROCHLORIDE IN PREPARATION OF EBOLA VIRUS INHIBITOR**
[54] **UTILISATION DE DICHLORHYDRATE DE BERBAMINE DANS LA PREPARATION D'UN INHIBITEUR DU VIRUS EBOLA**
[72] CEN, SHAN, CN
[72] LI, QUANJIE, CN
[72] YI, DONGRONG, CN
[72] SHI, YI, CN
[72] WANG, HAN, CN
[72] ZHOU, JINMING, CN
[73] INSTITUTE OF MEDICINAL BIOTECHNOLOGY, CHINESE ACADEMY OF MEDICAL SCIENCES, CN
[85] 2020-05-20
[86] 2019-06-19 (PCT/CN2019/091838)
[87] (WO2020/024719)
[30] CN (201810863809.5) 2018-08-01

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[51] **Int.Cl. B65C 9/00 (2006.01) B41F 19/00 (2006.01) B41J 3/44 (2006.01)**
[25] EN
[54] **LABEL APPLYING APPARATUS AND METHODS OF USE**
[54] **APPAREIL A ETIQUETER ET MODES D`UTILISATION**
[72] SNEDECOR, MARK T., US
[72] BOWDEN, MARK N., US
[72] ROE, JOHN A., US
[73] ID TECHNOLOGY LLC, US
[86] (3084639)
[87] (3084639)
[22] 2020-06-23
[30] US (62/866,927) 2019-06-26

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[51] **Int.Cl. B32B 27/20 (2006.01) B32B 37/00 (2006.01) E04F 15/00 (2006.01)**
[25] EN
[54] **MULTI-LAMINATE PLASTIC CARRIER PLATE AND METHOD FOR THE PRODUCTION THEREOF**
[54] **PLAQUE DE SUPPORT PLASTIQUE MULTISTRATIFIEE ET SON PROCEDE DE FABRICATION**
[72] HANNIG, HANS-JURGEN, DE
[72] HULLENKREMER, FELIX, DE
[73] AKZENTA PANEELE + PROFILE GMBH, DE
[85] 2020-06-03
[86] 2019-08-13 (PCT/EP2019/071762)
[87] (WO2020/035511)
[30] DE (10 2018 119 766.7) 2018-08-14

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[13] C
[51] **Int.Cl. A61K 31/343 (2006.01) A61K 9/48 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **TREATMENT OF CIRCADIAN RHYTHM DISORDERS**
[54] **TRAITEMENT DE TROUBLES DU RYTHME CIRCADIEN**
[72] DRESSMAN, MARLENE MICHELLE, US
[72] FEENEY, JOHN JOSEPH, US
[72] LICAMELE, LOUIS WILLIAM, US
[72] POLYMEROPOULOS, MIHAEL H., US
[73] VANDA PHARMACEUTICALS INC., US
[86] (3085116)
[87] (3085116)
[22] 2013-01-25
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[30] US (61/590,974) 2012-01-26
[30] US (61/640,067) 2012-04-30
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[30] US (61/650,458) 2012-05-22
[30] US (61/714,149) 2012-10-15
[30] US (61/738,985) 2012-12-18
[30] US (61/738,987) 2012-12-18
[30] US (61/755,896) 2013-01-23

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[25] EN
[54] **SPRAY BOOTH WITH CAROUSEL DRY FILTER MODULE**
[54] **CABINE DE PULVERISATION AVEC MODULE DE FILTRE SEC DE TYPE CARROUSEL**
[72] SALAZAR, ABRAHAM J., US
[72] COOK, DONALD A., US
[72] VANDERWORP, JAMES G., US
[73] GIFFIN, INC., US
[85] 2020-06-08
[86] 2018-12-14 (PCT/US2018/065603)
[87] (WO2019/118804)
[30] US (62/598,723) 2017-12-14

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[51] **Int.Cl. F02D 23/02 (2006.01) F02C 7/236 (2006.01) F02C 9/30 (2006.01) F23R 3/28 (2006.01)**
[25] EN
[54] **FUEL SUPPLY DEVICE**
[54] **DISPOSITIF D'ALIMENTATION EN CARBURANT**
[72] YAMAMOTO, YASUHIKO, JP
[73] IHI CORPORATION, JP
[85] 2020-06-09
[86] 2018-12-11 (PCT/JP2018/045478)
[87] (WO2019/117135)
[30] JP (2017-239676) 2017-12-14

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[13] C
[51] **Int.Cl. H05K 1/02 (2006.01) H05K 1/18 (2006.01)**
[25] EN
[54] **PRINTED CIRCUIT BOARD WITH STRESS RELIEF ZONES FOR COMPONENT AND SOLDER JOINT PROTECTION**
[54] **CARTE DE CIRCUIT IMPRIME A ZONES DE DETENTE DE CONTRAINTES POUR COMPOSANT ET JOINT DE SOUDURE**
[72] AUBERT, ANDREW CLARK BAIRD, CA
[72] DURZYNSKI, SEBASTIAN, CA
[72] PERRY, JONATHAN WILLIAM, CA
[73] 2449049 ONTARIO INC., CA
[85] 2020-06-10
[86] 2018-12-10 (PCT/CA2018/051570)
[87] (WO2019/113683)
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[51] **Int.Cl. B32B 3/06 (2006.01) B32B 15/00 (2006.01) E04C 2/34 (2006.01) E04C 2/40 (2006.01)**
[25] EN
[54] **SANDWICH PANEL AND ASSOCIATED ASSEMBLY METHOD**
[54] **PANNEAU SANDWICH ET METHODE CONNEXE D`ASSEMBLAGE**
[72] LEBLANC, OLIVIER, FR
[72] CATALOGNA, ERIC, FR
[72] LEBEL, STEPHANE, FR
[72] CHARTON, SEBASTIEN, FR
[73] ARCELORMITTAL, LU
[86] (3085505)
[87] (3085505)
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[30] DE (10 2019 118 272.7) 2019-07-05

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[51] **Int.Cl. B01D 24/22 (2006.01) B01J 8/00 (2006.01) B01J 19/24 (2006.01)**
[25] EN
[54] **SCALE COLLECTION DEVICE FOR DOWNFLOW REACTORS**
[54] **DISPOSITIF DE COLLECTE DE TARTRE POUR REACTEURS A COURANT DESCENDANT**
[72] BUNTIN, G ROBERT L. JR., US
[72] LESNIAK, STEVEN J., US
[72] XU, ZHANPING, US
[73] UOP LLC, US
[85] 2020-06-12
[86] 2018-12-20 (PCT/US2018/066666)
[87] (WO2019/126423)
[30] US (62/609,313) 2017-12-21

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[51] **Int.Cl. F27D 1/16 (2006.01) C21C 5/44 (2006.01) F27D 1/00 (2006.01)**
[25] EN
[54] **BRICK LINING FORMING METHOD**
[54] **PROCEDE DE REVETEMENT DE BRIQUES**
[72] TAKEUCHI, KAZUHIKO, JP
[72] TSUBOI, SATOSHI, JP
[73] KROSAKIHARIMA CORPORATION, JP
[85] 2020-05-06
[86] 2018-11-19 (PCT/JP2018/042597)
[87] (WO2019/111683)
[30] JP (2017-234403) 2017-12-06

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[25] EN
[54] **IMPROVEMENT TO WAVE MAKING APPARATUS**
[54] **AMELIORATION APPORTEE A UN APPAREIL DE FORMATION DE VAGUES**
[72] MCFARLAND, BRUCE, US
[73] AMERICAN WAVE MACHINES, INC., US
[85] 2020-06-15
[86] 2018-12-12 (PCT/US2018/065259)
[87] (WO2019/125870)
[30] US (62/609,254) 2017-12-21

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[25] EN
[54] **STORM DRAINAGE DETENTION ASSEMBLY AND SYSTEM**
[54] **ENSEMBLE ET SYSTEME DE RETENUE DE DRAINAGE D'EAUX PLUVIALES**
[72] BRYANT, GRAHAM J., US
[73] HYDROWORKS, LLC, US
[85] 2020-06-17
[86] 2019-01-22 (PCT/US2019/014446)
[87] (WO2019/147526)
[30] US (62/620,643) 2018-01-23
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[51] **Int.Cl. H04L 67/141 (2022.01) H04L 67/56 (2022.01) H04L 67/59 (2022.01) H04L 67/60 (2022.01)**
[25] EN
[54] **INTERMEDIATED RETRIEVAL OF NETWORKED CONTENT**
[54] **RECUPERATION INTERMEDIEE DE CONTENU EN RESEAU**
[72] GALLARDO, XAVIER, US
[72] SINGLETON, LEO C., IV, US
[72] FROST, SIMON, US
[73] CITRIX SYSTEMS, INC., US
[85] 2020-06-18
[86] 2018-12-04 (PCT/US2018/063720)
[87] (WO2019/125751)
[30] US (15/848,442) 2017-12-20

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[13] C
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/17 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **METHODS FOR ESTABLISHING FLUID COMMUNICATION BETWEEN A SAGD WELL PAIR**
[54] **PROCEDES D'ETABLISSEMENT D'UNE COMMUNICATION FLUIDE ENTRE UNE PAIRE DE PUITS SAGD**
[72] ENGELMAN, RUSS, CA
[72] COULTER, CAL, CA
[72] ACOSTA-RAMIREZ, HUGO, CA
[72] GUERRERO, ADRIANA, CA
[73] SUNCOR ENERGY INC., CA
[86] (3088468)
[87] (3088468)
[22] 2014-03-21
[62] 2,988,164
[30] US (61/950,457) 2014-03-10
[30] CA (2,846,924) 2014-03-20
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[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/07 (2013.01) A61F 2/856 (2013.01) A61F 2/82 (2013.01) A61F 2/90 (2013.01)**
[25] EN
[54] **DEVICE FOR ENDOVASCULAR AORTIC REPAIR AND METHOD OF USING THE SAME**
[54] **DISPOSITIF POUR UNE REPARATION AORTIQUE ENDOVASCULAIRE ET PROCEDE D'UTILISATION DU DISPOSITIF**
[72] SHAHRIARI, ALI, US
[73] AORTIC INNOVATIONS LLC, US
[86] (3088874)
[87] (3088874)
[22] 2012-12-06
[62] 3,082,787
[30] US (61/567,458) 2011-12-06
[30] US (61/723,446) 2012-11-07

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[51] **Int.Cl. B25B 13/46 (2006.01) B23P 15/00 (2006.01) B25B 21/00 (2006.01)**
[25] EN
[54] **TOOL HOUSING AND METHOD FOR MAKING THE SAME**
[54] **BOITIER D`OUTIL ET METHODE DE FABRICATION DU BOITIER**
[72] SCHILTZ, JOHN D., US
[72] PURCELL, NATHAN H., US
[72] BEER, JOSHUA M., US
[73] SNAP-ON INCORPORATED, US
[86] (3089398)
[87] (3089398)
[22] 2019-02-07
[62] 3,033,002
[30] US (16/041,001) 2018-07-20

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[13] C
[51] **Int.Cl. C01B 21/086 (2006.01) B01D 1/22 (2006.01) B01D 9/02 (2006.01) C01B 21/096 (2006.01) C07C 311/48 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING BIS(FLUOROSULFONYL)AMIDE ALKALI METAL SALT POWDER**
[54] **METHODE DE PRODUCTION DE POUDRE DE SEL DE METAL ALCALIN DE BIS(FLUOROSULFONYL)AMIDE**
[72] HAYASHI, KENICHI, JP
[72] NISHIJIMA, HIROYUKI, JP
[72] HORI, MASAHIRO, JP
[72] NISHIZAWA, TOSHIAKI, JP
[72] KOHORI, ASAMI, JP
[73] NIPPON SODA CO., LTD., JP
[85] 2020-08-06
[86] 2019-02-26 (PCT/JP2019/007335)
[87] (WO2019/167949)
[30] JP (2018-035782) 2018-02-28

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[51] **Int.Cl. C07C 253/34 (2006.01) C07C 255/03 (2006.01)**
[25] EN
[54] **METHOD FOR PURIFYING NITRILE SOLVENT**
[54] **PROCEDE DE PURIFICATION D'UN SOLVANT DE NITRILE**
[72] SAITO, SHOTA, JP
[72] WADA, RYOJI, JP
[72] MATSUDA, KEIICHIRO, JP
[72] NAKASHIMA, RYOYO, JP
[72] KOMATSU, FUMINORI, JP
[73] NIPPON SODA CO., LTD., JP
[85] 2020-08-12
[86] 2019-02-26 (PCT/JP2019/007306)
[87] (WO2019/167940)
[30] JP (2018-033238) 2018-02-27

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[51] **Int.Cl. B05D 7/22 (2006.01) B05D 5/00 (2006.01) B05D 7/24 (2006.01) B29C 63/14 (2006.01)**
[25] EN
[54] **CORE WITH IMPROVED CHUCK INTERACTION**
[54] **NOYAU A INTERACTION DE MANDRIN AMELIOREE**
[72] DAVIS, NEIL ROLAND, US
[72] AUTEN, JOHN FRANKLIN, US
[72] THOMPSON, MICHAEL LEE, US
[72] KELLEY, KEVIN MANLY, US
[72] NIU, XIAOKAI, US
[72] RHODES, DAVID E., US
[72] ZOLD, MICHAEL DAVID, US
[73] SONOCO DEVELOPMENT, INC., US
[85] 2020-08-31
[86] 2019-02-28 (PCT/US2019/019949)
[87] (WO2019/169072)
[30] US (62/637,480) 2018-03-02

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[13] C
[51] **Int.Cl. A47B 55/02 (2006.01) A47B 47/02 (2006.01)**
[25] EN
[54] **COMBINATIVE SHELVING UNIT**
[54] **UNITE D`ETAGERES COMBINATOIRE**
[72] CHEN, TONG-FU, CN
[73] CHEN, TONG-FU, CN
[86] (3092700)
[87] (3092700)
[22] 2020-09-10
[30] TW (108216208) 2019-12-05

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[13] C
[51] **Int.Cl. H05B 3/14 (2006.01) C04B 35/58 (2006.01)**
[25] EN
[54] **A HEATING ELEMENT COMPRISING CHROMIUM ALLOYED MOLYBDENUM DISILICIDE AND THE USE THEREOF**
[54] **ELEMENT CHAUFFANT COMPRENANT DU DISILICIURE DE MOLYBDENE ALLIE AU CHROME ET SON UTILISATION**
[72] STROM, ERIK, SE
[72] LINDBLOM, PETTER, SE
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2020-09-02
[86] 2019-03-15 (PCT/EP2019/056631)
[87] (WO2019/179904)
[30] EP (PCT/EP2018/056778) 2018-03-18

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[13] C
[51] **Int.Cl. B22F 1/00 (2022.01) B22F 1/145 (2022.01) B22F 9/08 (2006.01)**
[25] EN
[54] **ALUMINUM BASED METAL POWDERS AND METHODS OF THEIR PRODUCTION**
[54] **POUDRES METALLIQUES A BASE D`ALUMINIUM ET METHODES DE PRODUCTION**
[72] LAROUCHE, FREDERIC, CA
[72] BALMAYER, MATTHIEU, CA
[72] MARION, FREDERIC, CA
[73] AP&C ADVANCED POWDERS & COATINGS INC., CA
[86] (3094676)
[87] (3094676)
[22] 2020-09-28
[30] US (62/906,960) 2019-09-27

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[13] C
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[25] EN
[54] **RAIL AND METHOD FOR MANUFACTURING SAME**
[54] **RAIL, ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] ANDO, KEISUKE, JP
[72] KIMURA, TATSUMI, JP
[72] IGI, SATOSHI, JP
[73] JFE STEEL CORPORATION, JP
[85] 2020-09-22
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[87] (WO2019/189686)

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[25] EN
[54] **SEED DELIVERY APPARATUS, SYSTEMS, AND METHODS**
[54] **APPAREIL, SYSTEMES ET PROCEDES DE DISTRIBUTION DE GRAINES**
[72] RADTKE, IAN R., US
[72] HODEL, JEREMY, US
[73] PRECISION PLANTING LLC, US
[86] (3095400)
[87] (3095400)
[22] 2012-09-26
[62] 2,850,160
[30] US (61/539,786) 2011-09-27

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[25] EN
[54] **JERRY CAN ASSEMBLY AND BAG ASSEMBLY FOR A VEHICLE**
[54] **ASSEMBLAGE DE BIDON ET ASSEMBLAGE DE SAC POUR UN VEHICULE**
[72] CHENEVERT, FRANCOIS, CA
[72] LABBE, CHRISTIAN, CA
[72] MERCIER, MATHIEU, CA
[73] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[86] (3096108)
[87] (3096108)
[22] 2013-03-28
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[25] EN
[54] **METHODS AND SYSTEMS FOR GREEN ENERGY CHARGING OF ELECTRICAL VEHICLES**
[54] **METHODES ET SYSTEMES DE RECHARGE D`ENERGIE VERTE DE VEHICULES ELECTRIQUES**
[72] BANGALORE, SUNDARA RAJU GIRIDHAR, IN
[72] KRISHNAMURTHY, RAJAGOPALAN, US
[73] HYGGE ENERGY INC., US
[86] (3097580)
[87] (3097580)
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[51] **Int.Cl. H04W 74/08 (2009.01) H04W 48/14 (2009.01)**
[25] EN
[54] **USER EQUIPMENT**
[54] **DISPOSITIF UTILISATEUR**
[72] UCHINO, TOORU, JP
[72] TAKAHASHI, HIDEAKI, JP
[73] NTT DOCOMO, INC., JP
[85] 2020-10-19
[86] 2018-05-09 (PCT/JP2018/018009)
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[25] EN
[54] **SOYBEAN VARIETY 5PZQJ47**
[54] **VARIETE DE SOYA 5PZQJ47**
[72] RIES, LANDON LINN, US
[72] ROACH, MICHAEL THOMAS, US
[72] HEMINGWAY, JOEL REESE, US
[72] VAN HERK, JOHN GERARD, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3099317)
[87] (3099317)
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[51] **Int.Cl. B29C 65/18 (2006.01) B66B 23/24 (2006.01)**
[25] EN
[54] **MOVING HANDRAIL MANUFACTURING METHOD**
[54] **METHODE DE FABRICATION DE MAIN COURANTE MOBILE**
[72] NAKAMURA, RYUMA, JP
[72] NISHIMURA, YOSHITOMO, JP
[72] HADA, TOMOKO, JP
[72] TAKEYAMA, HIDETOSHI, JP
[72] NOZUE, SAMITO, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
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[25] EN
[54] **STUNNER**
[54] **DISPOSITIF D'ETOURDISSEMENT**
[72] JONES, ARTHUR, US
[72] JONES, TRENT, US
[73] JARVIS PRODUCTS CORPORATION, US
[86] (3099589)
[87] (3099589)
[22] 2017-06-30
[62] 3,027,419
[30] US (62/357,566) 2016-07-01
[30] US (15/211,524) 2016-07-15
[30] US (15/254,546) 2016-09-01
[30] US (62/453,579) 2017-02-02
[30] US (15/422,885) 2017-02-02
[30] US (15/447,316) 2017-03-02
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[25] EN
[54] **STUNNER**
[54] **DISPOSITIF D'ETOURDISSEMENT**
[72] JONES, ARTHUR, US
[72] JONES, TRENT, US
[73] JARVIS PRODUCTS CORPORATION, US
[86] (3099590)
[87] (3099590)
[22] 2017-06-30
[62] 3,027,419
[30] US (62/357,566) 2016-07-01
[30] US (15/211,524) 2016-07-15
[30] US (15/254,546) 2016-09-01
[30] US (62/453,579) 2017-02-02
[30] US (15/422,885) 2017-02-02
[30] US (15/447,316) 2017-03-02
[30] US (15/485,346) 2017-04-12
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[54] **STUNNER**
[54] **DISPOSITIF D'ETOURDISSEMENT**
[72] JONES, ARTHUR, US
[72] JONES, TRENT, US
[73] JARVIS PRODUCTS CORPORATION, US
[86] (3099593)
[87] (3099593)
[22] 2017-06-30
[62] 3,027,419
[30] US (62/357,566) 2016-07-01
[30] US (15/211,524) 2016-07-15
[30] US (15/254,546) 2016-09-01
[30] US (62/453,579) 2017-02-02
[30] US (15/422,885) 2017-02-02
[30] US (15/447,316) 2017-03-02
[30] US (15/485,346) 2017-04-12
[30] US (15/637,587) 2017-06-29

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[51] **Int.Cl. G10L 19/018 (2013.01) G10L 19/16 (2013.01)**
[25] EN
[54] **METHODS AND APPARATUS TO IDENTIFY MEDIA BASED ON WATERMARKS ACROSS DIFFERENT AUDIO STREAMS AND/OR DIFFERENT WATERMARKING TECHNIQUES**
[54] **PROCEDES ET APPAREIL PERMETTANT D'IDENTIFIER DES SUPPORTS D'APRES DES FILIGRANES A TRAVERS DIFFERENTS FLUX AUDIO ET/OU DIFFERENTES TECHNIQUES DE FILIGRANAGE**
[72] FAHNESTOCK, JUSTIN, US
[72] HEFFERNAN, RONAN, US
[72] AMIR, MUHAMMAD, US
[72] KERCHER, WES, US
[72] BARRACLOUGH, SCOTT, US
[72] KISTENMACHER, JOHN, US
[73] THE NIELSEN COMPANY (US), LLC, US
[85] 2020-11-16
[86] 2019-05-28 (PCT/US2019/034174)
[87] (WO2019/231912)
[30] US (15/994,383) 2018-05-31

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[25] EN
[54] **ROBOTIC DEVICE, AND METHOD FOR INSPECTION OF COMPONENTS OF A BELT CONVEYOR**
[54] **DISPOSITIF ROBOT ET METHODE D'INSPECTION DE COMPOSANTES D'UN CONVOYEUR ACOURROIE**
[72] FREITAS, GUSTAVO MEDEIROS, BR
[72] TORRE, MARCOS PAULO, BR
[72] GARCIA, GABRIEL CARVALHO, BR
[72] ROCHA, FILIPE AUGUSTO SANTOS, BR
[72] FRANCA, ANDRE STANZANI, BR
[72] DA FONSECA, FELIPE RIBEIRO, BR
[72] LIZARRALDE, FERNANDO CESAR, BR
[72] COSTA, RAMON ROMANKEVICIUS, BR
[72] NEVES, ALEX FERNANDES, BR
[72] MONTEIRO, JOAO CARLOS ESPIUCA, BR
[73] VALE S.A., BR
[73] UNIVERSIDADE FEDERAL DO RIO DE JANEIRO - UFRJ, BR
[85] 2020-11-18
[86] 2019-03-19 (PCT/BR2019/050090)
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[30] BR (BR1020180102133) 2018-05-18

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[51] **Int.Cl. A61B 6/00 (2006.01)**
[25] EN
[54] **SECOND READER SUGGESTION**
[54] **SUGGESTION DE SECOND LECTEUR**
[72] KECSKEMETHY, PETER, GB
[72] RIJKEN, TOBIAS, GB
[72] KARPATI, EDITH, HU
[72] O'NEILL, MICHAEL, GB
[72] HEINDL, ANDREAS, GB
[72] YEARSLEY, JOSEPH ELLIOT, GB
[72] KORKINOF, DIMITRIOS, GB
[72] KHARA, GALVIN, GB
[73] KHEIRON MEDICAL TECHNOLOGIES LTD, GB
[85] 2020-11-30
[86] 2019-06-14 (PCT/GB2019/051668)
[87] (WO2019/239155)
[30] GB (1809796.4) 2018-06-14
[30] GB (1819329.2) 2018-11-27
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[51] **Int.Cl. G06F 21/31 (2013.01) H04L 9/32 (2006.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **APPLICATIONS LOGIN USING A MECHANISM RELATING SUB-TOKENS TO THE QUALITY OF A MASTER TOKEN**
[54] **CONNEXION A DES APPLICATIONS AU MOYEN D'UN MECANISME CREANT UN LIEN ENTRE DES JETONS AUXILIAIRES ET LA QUALITE D'UN JETON PRINCIPAL**
[72] TAVEAU, SEBASTIEN LUDOVIC JEAN, US
[72] MARDIKAR, UPENDRA S., US
[73] PAYPAL, INC., US
[86] (3103839)
[87] (3103839)
[22] 2012-12-26
[62] 2,862,334
[30] US (13/340,521) 2011-12-29

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[25] EN
[54] **DRUG SUBSTANCE COMPOSITIONS COMPRISING N,N-DIMETHYLTRYPTAMINE**
[54] **COMPOSITIONS DE SUBSTANCES DE MEDICAMENT COMPRENANT DE LA N,N-DIMETHYLTRYPTAMINE**
[72] RANDS, PETER, GB
[72] JOEL, ZELAH, GB
[72] BENWAY, TIFFANIE, GB
[73] SMALL PHARMA LTD., GB
[86] (3104072)
[87] (3104072)
[22] 2020-12-23
[30] GB (2008303.6) 2020-06-02

[11] **3,107,796**
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[51] **Int.Cl. A24D 1/18 (2006.01) H04W 4/30 (2018.01) G16Z 99/00 (2019.01) A24D 1/20 (2020.01) A24F 40/00 (2020.01) A24F 40/40 (2020.01) A24F 40/42 (2020.01) A24D 1/00 (2020.01) A24F 47/00 (2020.01)**
[25] EN
[54] **METHODS AND PRODUCTS TO FACILITATE SMOKERS SWITCHING TO A TOBACCO HEATING PRODUCT OR E-CIGARETTES**
[54] **PROCEDES ET PRODUITS POUR FACILITER LE PASSAGE DES FUMEURS A UN PRODUIT DE CHAUFFAGE DE TABAC OU A DES CIGARETTES ELECTRONIQUES**
[72] PANDOLFINO, JOSEPH, US
[73] CABBACIS LLC, US
[85] 2021-01-26
[86] 2019-07-26 (PCT/US2019/043611)
[87] (WO2020/023848)
[30] US (16/047,948) 2018-07-27

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[25] EN
[54] **DUPLEX STAINLESS STEEL SEAMLESS PIPE AND METHOD FOR MANUFACTURING SAME**
[54] **TUYAU SANS SOUDURE EN ACIER DUPLEX ET METHODE DE FABRICATION**
[72] SASAKI, SHUNSUKE, JP
[72] GOTO, SEIGO, JP
[72] OTA, HIROKI, JP
[72] KATSUMURA, TATSURO, JP
[73] JFE STEEL CORPORATION, JP
[85] 2021-02-04
[86] 2019-08-07 (PCT/JP2019/031020)
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[51] **Int.Cl. G01T 1/17 (2006.01)**
[25] EN
[54] **RADIATION MEASUREMENT DEVICE**
[54] **DISPOSITIF DE MESURE DE RAYONNEMENT**
[72] YAHATA, HIDETAKA, JP
[72] NAKAI, TOSHIMITSU, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2021-02-10
[86] 2018-08-17 (PCT/JP2018/030504)
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[51] **Int.Cl. C09K 17/40 (2006.01) C05G 3/20 (2020.01) C05G 3/80 (2020.01) C05G 5/10 (2020.01) C05D 3/02 (2006.01) C05D 9/00 (2006.01) C05F 11/08 (2006.01) C05G 1/00 (2006.01)**
[25] EN
[54] **PELLETIZED BASALT AND/OR METABASALT WITH A BINDING AGENT FOR USE AS A SOIL AMENDMENT**
[54] **BASALTE ET/OU METABASALTE GRANULES AVEC UN AGENT DE LIAISON A UTILISER COMME AMENDEMENT DU SOL**
[72] HORTON, JOHN, US
[72] DUNLAP, JUSTIN P., US
[73] SPECIALTY GRANULES INVESTMENTS LLC, US
[85] 2021-02-12
[86] 2020-08-07 (PCT/US2020/045504)
[87] (WO2021/026504)
[30] US (62/884,334) 2019-08-08
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[13] C
[51] **Int.Cl. A23L 3/015 (2006.01) A23L 3/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR PROTECTING AND SECURING BAGS IN BULK HPP EQUIPMENT AND ASSOCIATED METHOD**
[54] **SYSTEME DE PROTECTION ET D'AMARRAGE DE SACS DANS DES EQUIPEMENTS HPP EN VRAC ET PROCEDE ASSOCIE**
[72] LOPEZ ONDEVILLA, RAUL, ES
[72] GARCIA REIZABAL, RUBEN, ES
[72] TARRAGO MINGO, SANTIAGO, ES
[72] HERNANDO SAIZ, ANDRES FELIPE, ES
[73] HIPERBARIC, S.A., ES
[85] 2021-02-18
[86] 2018-08-24 (PCT/ES2018/070572)
[87] (WO2020/039106)

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[51] **Int.Cl. A47K 5/12 (2006.01) B67D 7/06 (2010.01) B67D 7/74 (2010.01) A47K 5/14 (2006.01)**
[25] EN
[54] **TWO-LIQUID DISPENSING SYSTEMS, REFILLS AND TWO-LIQUID PUMPS**
[54] **SYSTEMES DE DISTRIBUTION DE DEUX LIQUIDES, UNITES DE REMPLISSAGE ET POMPE A DEUX LIQUIDES**
[72] TEDEROUS, CORY J., US
[72] CIAVARELLA, NICK E., US
[73] GOJO INDUSTRIES, INC., US
[86] (3110182)
[87] (3110182)
[22] 2014-01-02
[62] 2,897,796
[30] US (61/752,686) 2013-01-15
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[51] **Int.Cl. A61M 39/26 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **MALE LUER CONNECTOR WITH VALVE HAVING FLUID PATH AND VENT PATH SEALS**
[54] **RACCORD LUER MALE AVEC VALVE COMPRENANT UN CHEMIN DE FLUIDE ET DES JOINTS D'ETANCHEITE DE CHEMIN D'EVENT**
[72] PANIAN, TYLER DEVIN, US
[72] MANSOUR, GEORGE MICHEL, US
[73] CAREFUSION 303, INC., US
[73] PANIAN, TYLER DEVIN,
[73] MANSOUR, GEORGE MICHEL,
[86] (3110536)
[87] (3110536)
[22] 2014-02-24
[62] 2,900,999
[30] US (13/797,688) 2013-03-12

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[13] C
[51] **Int.Cl. B01D 65/08 (2006.01)**
[25] EN
[54] **METHOD FOR FOULING REDUCTION ON THE SURFACE OF CERAMIC MEMBRANES USING STEAM FAST-FLUSHING**
[54] **PROCEDE DE REDUCTION D'ENCRASSEMENT SUR LA SURFACE DE MEMBRANES CERAMIQUES PAR LAVAGE RAPIDE A LA VAPEUR**
[72] MORTAZAVI, SAVIZ, CA
[72] TREMBLAY, ANDRE YVES, CA
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES, CA
[85] 2021-02-26
[86] 2020-02-13 (PCT/CA2020/050187)
[87] (WO2020/163955)
[30] US (62/805,465) 2019-02-14

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[51] **Int.Cl. A01N 37/06 (2006.01) A01N 43/22 (2006.01) A01N 61/00 (2006.01) A01P 7/00 (2006.01)**
[25] EN
[54] **SYNERGISTIC PESTICIDAL COMPOSITIONS AND METHODS FOR DELIVERY OF INSECTICIDAL ACTIVE INGREDIENTS**
[54] **COMPOSITIONS PESTICIDES AGISSANT EN SYNERGIE ET PROCEDES D'ADMINISTRATION D'INGREDIENTS ACTIFS INSECTICIDES**
[72] MANHAS, KARAN, CA
[72] ROZEK, ANNETT, CA
[72] VAN FLEET, ERIC, CA
[73] 0903608 B.C. LTD., CA
[85] 2021-03-24
[86] 2019-09-27 (PCT/CA2019/051388)
[87] (WO2020/061709)
[30] US (62/737,907) 2018-09-27
[30] US (62/737,914) 2018-09-27
[30] US (62/829,010) 2019-04-03
[30] US (62/829,512) 2019-04-04
[30] US (62/829,525) 2019-04-04

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[51] **Int.Cl. B01D 29/11 (2006.01) B23K 26/382 (2014.01) B23K 26/14 (2014.01) B25J 9/04 (2006.01) G01B 11/24 (2006.01) G01N 21/88 (2006.01) G01N 21/952 (2006.01)**
[25] EN
[54] **PRODUCTION SYSTEM FOR FORMING FILTRATION TUBES INCLUDING SUBSYSTEMS AND METHOD OF USING SAME**
[54] **SYSTEME DE PRODUCTION POUR FORMER DES TUBES DE FILTRATION COMPRENANT DES SOUS-SYSTEMES ET SON PROCEDE D'UTILISATION**
[72] LI, YONGWANG, US
[73] SYNFUEL AMERICAS CORPORATION, US
[85] 2021-03-26
[86] 2019-09-26 (PCT/US2019/053312)
[87] (WO2020/069230)
[30] US (62/738,919) 2018-09-28

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[51] **Int.Cl. G06Q 10/00 (2012.01) G06F 16/00 (2019.01) G10L 15/10 (2006.01)**
[25] EN
[54] **PRESENTATION ASSISTANCE DEVICE FOR CALLING ATTENTION TO WORDS THAT ARE FORBIDDEN TO SPEAK**
[54] **DISPOSITIF D'AIDE A LA PRESENTATION POUR ATTIRER L'ATTENTION SUR DES MOTS INTERDITS**
[72] SEKINE, KIYOSHI, JP
[73] INTERACTIVE SOLUTIONS CORP., JP
[85] 2021-04-09
[86] 2020-01-06 (PCT/JP2020/000073)
[87] (WO2020/153109)
[30] JP (2019-008121) 2019-01-22

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[51] **Int.Cl. G06F 3/048 (2013.01)**
[25] EN
[54] **APPARATUS FOR DETERMINING MOBILE APPLICATION USER ENGAGEMENT**
[54] **APPAREIL POUR DETERMINER L'IMPLICATION D'UN UTILISATEUR D'UNE APPLICATION MOBILE**
[72] PENA, CAROLINE, US
[72] RODAMMER, KATIE NICOLE, US
[73] CLICK THERAPEUTICS, INC., US
[85] 2021-04-22
[86] 2020-10-02 (PCT/US2020/054121)
[87] (WO2021/067848)
[30] US (62/909,572) 2019-10-02

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[51] **Int.Cl. G01N 33/48 (2006.01) G16B 25/10 (2019.01) C12Q 1/68 (2018.01) C40B 30/04 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **METHOD FOR PREDICTION OF THE PROGRESSION RISK OF TUMORS**
[54] **PROCEDE DE PREDICTION DU RISQUE DE PROGRESSION DE TUMEURS**
[72] MARTIN, PETER, DE
[72] RIDDER, RUDIGER, DE
[73] VENTANA MEDICAL SYSTEMS, INC., US
[86] (3117744)
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[22] 2009-09-04
[62] 2,735,853
[30] EP (08105235.9) 2008-09-04

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[13] C
[51] **Int.Cl. A61K 31/7048 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER USING PLATANOSIDE AND ISOMERS THEREOF**
[54] **METHODES DE TRAITEMENT DU CANCER A L'AIDE DE PLATANOSIDE ET D'ISOMERES DE CELUI-CI**
[72] KORCHIA MAOR, YEHOSHUA, IL
[73] SHARE GAL RESEARCH AND DEVELOPMENT LTD, IL
[85] 2021-06-09
[86] 2019-12-09 (PCT/IL2019/051339)
[87] (WO2020/121297)
[30] US (62/777,279) 2018-12-10

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[13] C
[51] **Int.Cl. H01R 24/28 (2011.01) H02G 1/14 (2006.01)**
[25] EN
[54] **SEAL ELECTRICAL PLUG**
[54] **FICHE ELECTRIQUE ETANCHE**
[72] ZHAO, CHANGCHUN, CN
[72] TOH, MUI LIAN JESSICA, SG
[72] MO, YUANWEN, SG
[73] VOLEX CABLE ASSEMBLY (SHENZHEN) CO., LTD., CN
[85] 2021-06-17
[86] 2019-02-01 (PCT/CN2019/074382)
[87] (WO2020/124755)
[30] CN (201811571707.2) 2018-12-21

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[13] C
[51] **Int.Cl. G06F 9/455 (2018.01) G06F 9/451 (2018.01)**
[25] EN
[54] **COMPUTER SYSTEM PROVIDING VIRTUAL COMPUTING SESSIONS THROUGH VIRTUAL DELIVERY AGENT LEASING WITH ENHANCED POWER SAVINGS AND CONNECTIVITY AND RELATED METHODS**
[54] **SYSTEME INFORMATIQUE FOURNISSANT DES SESSIONS INFORMATIQUES VIRTUELLES PAR LOCATION D'AGENT DE DISTRIBUTION VIRTUEL AVEC DES ECONOMIES D'ENERGIE ET UNE CONNECTIVITE AMELIOREES ET PROCEDES ASSOCIES**
[72] SINGLETON, IV, LEO, US
[72] MOMCHILOV, GEORGY, US
[73] CITRIX SYSTEMS, INC., US
[85] 2021-06-30
[86] 2019-12-11 (PCT/US2019/065606)
[87] (WO2020/146078)
[30] US (16/241,047) 2019-01-07

[11] **3,126,288**
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[51] **Int.Cl. G06Q 30/00 (2012.01) G06Q 30/02 (2012.01) G06Q 30/06 (2012.01) G16Y 10/45 (2020.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ACCESSING DATA VIA SMART ARTICLES INCLUDING PURCHASING DATA**
[54] **SYSTEME ET PROCEDE D'ACCES A DES DONNEES PAR L'INTERMEDIAIRE D'ARTICLES INTELLIGENTS COMPRENANT DES DONNEES D'ACHAT**
[72] MORENA, JOSEPH, CA
[72] FUSCO, CONO, CA
[72] MORENA, VINCE, CA
[73] ZAPCOW INC., CA
[85] 2021-07-09
[86] 2020-12-04 (PCT/CA2020/000133)
[87] (WO2021/108889)
[30] US (62/943,522) 2019-12-04

[11] **3,135,233**
[13] C
[51] **Int.Cl. B23P 19/06 (2006.01) B25B 23/14 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEMS AND KITS FOR LOOSENING AND RETORQUING HYDRAULIC CYLINDER PISTON-RETAINING NUTS**
[54] **APPAREILS, SYSTEMES ET TROUSSES POUR DESSERRER ET RESSERRER LES ECROUS DE RETENUE DU PISTON DU VERIN HYDRAULIQUE**
[72] BISHELL, JASON, CA
[73] 1403871 ALBERTA DBA J4 HEAVY EQUIPMENT REPAIR, CA
[86] (3135233)
[87] (3135233)
[22] 2021-10-21
[30] US (17/505,933) 2021-10-20

[11] **3,137,178**
[13] C
[51] **Int.Cl. A61F 2/44 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **SYSTEM FOR GUIDING INTERBODY SPACER BETWEEN VERTEBRAL BODIES**
[54] **SYSTEME POUR GUIDER UN ESPACEUR INTERVERTEBRAL ENTRE DES CORPS VERTEBRAUX**
[72] SHINOZAKI, YOSHIO, JP
[73] LIGA ACE CORPORATION, JP
[85] 2021-10-15
[86] 2020-05-19 (PCT/JP2020/019786)
[87] (WO2021/038982)
[30] JP (2019-157595) 2019-08-30

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[51] **Int.Cl. F21S 41/20 (2018.01) F21S 41/164 (2018.01) F21S 41/50 (2018.01) B60Q 1/04 (2006.01) B60Q 1/32 (2006.01) B60Q 1/34 (2006.01)**
[25] EN
[54] **HEADLAMP ASSEMBLY**
[54] **ASSEMBLAGE DE PHARE**
[72] CONWAY, SCOTT M., US
[73] PACCAR INC, US
[86] (3137625)
[87] (3137625)
[22] 2021-11-04
[30] US (17/092,116) 2020-11-06

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[25] EN
[54] **A METHOD AND ARRANGEMENT FOR ESTIMATING A MATERIAL PROPERTY OF AN OBJECT BY MEANS OF A LASER ULTRASONIC (LUS) MEASUREMENT EQUIPMENT**
[54] **PROCEDE ET AGENCEMENT PERMETTANT L'ESTIMATION D'UNE PROPRIETE DE MATERIAU D'UN OBJET AU MOYEN D'UN EQUIPEMENT DE MESURE A ULTRASONS LASER (LUS)**
[72] MALMSTROM, MIKAEL, SE
[73] SSAB TECHNOLOGY AB, SE
[85] 2021-10-27
[86] 2020-06-02 (PCT/EP2020/065142)
[87] (WO2020/245082)
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[25] EN
[54] **ROTOR FOR A ROTATING ELECTRIC MACHINE**
[54] **ROTOR DESTINE A UNE MACHINE ELECTRIQUE TOURNANTE**
[72] BINDER, HERBERT, DE
[72] ECKER, HELMUT, DE
[72] GRUBER, ROBERT, DE
[72] MEMMINGER, OLIVER, DE
[72] SCHIFFERER, KLAUS, DE
[73] FLENDER GMBH, DE
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[25] EN
[54] **APPARATUS AND METHODS FOR GAUSSIAN BOSON SAMPLING**
[54] **APPAREIL ET PROCEDES DE PRELEVEMENT DE BOSON GAUSSIEN**
[72] BRADLER, KAMIL, CA
[72] SU, DAIQIN, CN
[72] KILLORAN, NATHAN, CA
[72] SCHULD, MARIA, ZA
[72] VERNON, ZACHARY, CA
[72] HELT, LUKAS, CA
[72] MORRISON, BLAIR, CA
[72] MAHLER, DYLAN, CA
[73] XANADU QUANTUM TECHNOLOGIES INC., CA
[85] 2021-11-10
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[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/52 (2006.01) A61K 38/21 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **SYNERGISTIC EFFECT OF EYP001 AND IFN FOR THE TREATMENT OF HBV INFECTION**
[54] **EFFET SYNERGIQUE D'EYP001 ET D'IFN POUR LE TRAITEMENT D'UNE INFECTION PAR LE VIRUS DE L'HEPATITE B**
[72] VONDERSCHER, JACKY, FR
[72] ROY, ELISE, CH
[72] DARTEIL, RAPHAEL, FR
[72] SCALFARO, PIETRO, CH
[73] ENYO PHARMA, FR
[85] 2021-12-01
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[25] FR
[54] **SPACE VEHICLE, LAUNCHER AND STACK OF SPACE VEHICLES**
[54] **VEHICULE SPATIAL, LANCEUR ET EMPILEMENT DE VEHICULES SPATIAUX**
[72] CAEL, PHILIPPE, FR
[73] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2021-11-22
[86] 2019-08-12 (PCT/EP2019/071540)
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[25] EN
[54] **CASE FOR DENTAL APPLIANCES**
[54] **ETUI POUR APPAREILS DENTAIRES**
[72] CHAPMAN, JOSH, US
[72] LACEY, BRITTANY, US
[73] SDC U.S. SMILEPAY SPV, US
[85] 2021-12-10
[86] 2020-06-11 (PCT/US2020/037156)
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[25] EN
[54] **SECURING COMMUNICATIONS BETWEEN SERVICES IN A CLUSTER USING LOAD BALANCING SYSTEMS AND METHODS**
[54] **SECURISATION DE COMMUNICATIONS ENTRE DES SERVICES DANS UNE GRAPPE EN UTILISANT DES SYSTEMES ET PROCEDES D'EQUILIBRAGE DE CHARGE**
[72] PATIDAR, MEHUL, US
[72] GARIPALLY, SWETHA, US
[72] CHAUDHURY, NILAMADHAVA, US
[72] SARKAR, SUBRATA, US
[73] CITRIX SYSTEMS, INC., US
[85] 2021-12-23
[86] 2020-06-23 (PCT/US2020/039140)
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[25] EN
[54] **ARTICULATED TOP**
[54] **HUNE ARTICULEE**
[72] HOUGH, JUSTIN B., US
[73] DOWCO, INC., US
[86] (3147991)
[87] (3147991)
[22] 2016-11-15
[62] 2,948,745
[30] US (15/347,479) 2016-11-09

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[25] EN
[54] **CIRCUMFERENTIALLY-SECTIONED VALVE CAGES**
[54] **CAGES DE SOUPAPE A SECTION CIRCONFERENTIELLE**
[72] MASIAS, JUSTIN L., US
[72] PLUMMER, DAVID O., US
[72] FAN, GUOLEI, CN
[72] XIAO, YAWEI, CN
[73] EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC., US
[85] 2022-02-07
[86] 2020-09-30 (PCT/US2020/053506)
[87] (WO2021/076330)
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[13] C
[51] **Int.Cl. B63B 17/00 (2006.01) B32B 3/08 (2006.01) B32B 27/00 (2006.01) B62D 1/06 (2006.01) B63B 23/64 (2006.01)**
[25] EN
[54] **UNIVERSAL COVER**
[54] **COUVERTURE UNIVERSELLE**
[72] BAIRD, DAVID, US
[72] STITH, CALEB, US
[73] DOWCO, INC., US
[86] (3152227)
[87] (3152227)
[22] 2019-10-10
[62] 3,058,300
[30] US (16/597,823) 2019-10-09

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[13] C
[51] **Int.Cl. B63B 17/00 (2006.01) B32B 3/08 (2006.01) B63B 23/64 (2006.01) D06N 7/00 (2006.01)**
[25] EN
[54] **UNIVERSAL COVER**
[54] **COUVERTURE UNIVERSELLE**
[72] BAIRD, DAVID, US
[72] STITH, CALEB, US
[73] DOWCO, INC., US
[86] (3152249)
[87] (3152249)
[22] 2019-10-10
[62] 3,058,300
[30] US (16/597,823) 2019-10-09

[11] **3,153,031**
[13] C
[51] **Int.Cl. A01C 11/02 (2006.01) A01B 79/00 (2006.01)**
[25] EN
[54] **PLANTING SYSTEM**
[54] **SYSTEME DE PLANTATION**
[72] ARVIDSSON, HANS, SE
[72] ARVIDSSON, TOBIAS, SE
[73] PLANTMA AB, SE
[85] 2022-03-01
[86] 2020-09-02 (PCT/SE2020/050829)
[87] (WO2021/045666)
[30] SE (1950997-5) 2019-09-02

[11] **3,154,857**
[13] C
[51] **Int.Cl. H01M 50/342 (2021.01) B60R 16/04 (2006.01) B64D 37/32 (2006.01) B64D 45/00 (2006.01) H01M 10/0525 (2010.01)**
[25] FR
[54] **ANTI-PROPAGATION EXHAUST DEVICE FOR AIRCRAFT LITHIUM-ION BATTERIES**
[54] **DISPOSITIF D'ECHAPPEMENT ANTI PROPAGATION DE BATTERIES LITHIUM-ION D'AERONEF**
[72] LOUBERE, DIMITRY, FR
[73] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2022-03-17
[86] 2021-07-27 (PCT/FR2021/051398)
[87] (WO2022/029380)
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[51] **Int.Cl. B65D 85/00 (2006.01) B08B 3/04 (2006.01) B65D 25/02 (2006.01) B65D 43/02 (2006.01)**
[25] EN
[54] **HIDDEN ROOTS DENTURE BATH**
[54] **BAIN DE DENTIER CACHE DANS LES RACINES**
[72] CRAIG, NATALIE, CA
[71] CRAIG, NATALIE, CA
[22] 2021-01-08
[41] 2022-07-08

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[13] A1
[51] **Int.Cl. E04G 21/00 (2006.01) E04B 1/00 (2006.01)**
[25] EN
[54] **PREFABRICATED WATER AND MOLD RESISTANT WALL INSTALLATION SYSTEM**
[54] **SYSTEME D'INSTALLATION DE MUR PREFABRIQUE RESISTANT A L'EAU ET A LA MOISISSURE**
[72] ST HILAIRE, CURT, CA
[71] ST HILAIRE, CURT, CA
[22] 2021-01-04
[41] 2022-07-04

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[21] **3,104,936**
[13] A1
[51] **Int.Cl. C22B 3/10 (2006.01) C22B 3/22 (2006.01) C22B 5/00 (2006.01) C22B 11/00 (2006.01) C25B 1/34 (2006.01)**
[25] EN
[54] **STRATEGIC METAL AND MINERAL ELEMENT ORE PROCESSING USING MIXING AND OXIDANT TREATMENT**
[54] **TRANSFORMATION STRATEGIQUE DE MINERAIS D'ELEMENTS MINERAUX ET METALLIQUES AU MOYEN DE MELANGE ET DE TRAITEMENT PAR OXYDANT**
[72] MEYER, GEORGE, US
[71] MEYER, GEORGE, US
[22] 2021-01-05
[41] 2022-07-05

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[13] A1
[51] **Int.Cl. A41D 13/05 (2006.01) A41D 13/11 (2006.01)**
[25] EN
[54] **WINTER MASK**
[54] **MASQUE HIVERNAL**
[72] ALSHEGHRI, AHMAD ABO, CA
[71] ALSHEGHRI, AHMAD ABO, CA
[22] 2021-01-05
[41] 2022-07-05

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[13] A1
[51] **Int.Cl. G21C 13/02 (2006.01) G21C 19/22 (2006.01)**
[25] EN
[54] **CLOSURE PLUG END FITTING LAPPING TOOL**
[54] **OUTIL DE RODAGE D'EMBOUT DE BOUCHON DE FERMETURE**
[72] MCCORD, ROSS, CA
[72] HANDLEY, TIMOTHY, CA
[72] FOX, MICHAEL, CA
[72] DITSCHUN, ART, CA
[71] MCCORD, ROSS, CA
[71] HANDLEY, TIMOTHY, CA
[71] FOX, MICHAEL, CA
[71] DITSCHUN, ART, CA
[22] 2021-01-05
[41] 2022-07-05

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[13] A1
[51] **Int.Cl. B62D 55/08 (2006.01)**
[25] EN
[54] **CRAWLER DRIVING DEVICE**
[54] **DISPOSITIF D'ENTRAINEMENT DE CHENILLE**
[72] ZHANG, XIN, CN
[72] YAN, SHENGMIN, CN
[72] ZHANG, SHANSHAN, CN
[72] HUI, YUJIE, CN
[71] HEILONGJIANG ZHONGXING MACHINERY EQUIPMENT CO., CN
[22] 2021-01-06
[41] 2022-07-06

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[13] A1
[51] **Int.Cl. G06Q 20/20 (2012.01) H04W 4/30 (2018.01) H04L 12/16 (2006.01)**
[25] EN
[54] **USER INTERFACE HANDOFF TO ENABLE FEATURE AT A TERMINAL**
[54] **TRANSFERT D'INTERFACE UTILISATEUR POUR ACTIVER UNE FONCTION A UN TERMINAL**
[72] TAX, DAVID SAMUEL, CA
[72] DUNJIC, MILOS, CA
[72] CASTELL, DEREK RICHARD, CA
[72] NGUYEN, ANTHONY HAITUYEN, CA
[72] GLEESON, BRYAN MICHAEL, CA
[72] ECKER, JEFFREY AARON, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-01-06
[41] 2022-07-06

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[13] A1
[51] **Int.Cl. F01N 13/00 (2010.01) F01N 13/08 (2010.01) F01N 13/18 (2010.01) B62K 19/30 (2006.01)**
[25] EN
[54] **MOTORCYCLE EXHAUST HANGER BRACKET**
[54] **SUPPORT D'ECHAPPEMENT HANGAR DE MOTOCYCLETTE**
[72] HANSON, CORY, CA
[71] CAMEL ADV PRODUCTS LTD, CA
[22] 2021-01-06
[41] 2022-07-06

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[13] A1
[51] **Int.Cl. G06F 11/00 (2006.01) G06F 17/00 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING DATA CORRUPTION**
[54] **METHODE ET SYSTEME POUR DETECTER LA CORRUPTION DE DONNEES**
[72] BELL, KATHLEEN, CA
[72] NEIL, TYLER AUSTIN, CA
[72] TAGGART, MICHAEL JAMES, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-01-07
[41] 2022-07-07

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[13] A1
[51] **Int.Cl. F01D 5/02 (2006.01) F01D 5/10 (2006.01)**
[25] EN
[54] **A ROTOR ASSEMBLY AND THE ROTOR HOUSING OF A TURBINE ENGINE**
[54] **ENSEMBLE ROTOR ET LOGEMENT DE ROTOR D'UN MOTEUR A TURBINE**
[72] SMITH, MIKE RICHARD JOHN, CA
[71] SMITH, MIKE RICHARD JOHN, CA
[22] 2021-01-07
[41] 2022-07-07

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[51] **Int.Cl. C10C 3/08 (2006.01)**
[25] EN
[54] **SOLVENT DEASPHALTING OF HEAVY HYDROCARBON STREAMS USING HYDROCYCLONES**
[54] **DESASPHALTAGE PAR SOLVANT DE FLUX D'HYDROCARBURES LOURDS AU MOYEN D'HYDROCYCLONES**
[72] REMESAT, DARIUS, CA
[72] SUN, ANNIE, CA
[71] SUNCOR ENERGY INC., CA
[22] 2021-01-08
[41] 2022-07-08

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[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 20/10 (2012.01) G06Q 20/14 (2012.01) H04W 4/30 (2018.01) H04L 12/16 (2006.01)**
[25] EN
[54] **INITIATING SPLIT DATA TRANSFERS AT A TERMINAL**
[54] **AMORCE DE TRANSFERTS DE DONNEES DIVISES A UN TERMINAL**
[72] TAX, DAVID SAMUEL, CA
[72] DUNJIC, MILOS, CA
[72] CASTELL, DEREK RICHARD, CA
[72] NGUYEN, ANTHONY HAITUYEN, CA
[72] GLEESON, BRYAN MICHAEL, CA
[72] ECKER, JEFFREY AARON, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-01-08
[41] 2022-07-08

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[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 20/10 (2012.01) G06Q 20/14 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **SPLIT TRANSFERS WITH COMPLETION AFTER PROCESSING FAILURE**
[54] **TRANSFERTS DIVISES ET ACHEVEMENT APRES UN ECHEC DE TRAITEMENT**
[72] TAX, DAVID SAMUEL, CA
[72] DUNJIC, MILOS, CA
[72] CASTELL, DEREK RICHARD, CA
[72] NGUYEN, ANTHONY HAITUYEN, CA
[72] GLEESON, BRYAN MICHAEL, CA
[72] ECKER, JEFFREY AARON, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-01-08
[41] 2022-07-08

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[51] **Int.Cl. A47B 96/00 (2006.01) F16B 12/12 (2006.01)**
[25] EN
[54] **CABINET AND METHOD OF MANUFACTURING**
[54] **ARMOIRE ET METHODE DE FABRICATION**
[72] HUGGINS, TERENCE, CA
[71] HUGGINS, TERENCE, CA
[22] 2021-01-08
[41] 2022-07-07
[30] US (17/144,122) 2021-01-07

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[13] A1
[51] **Int.Cl. A41D 13/11 (2006.01) A62B 18/02 (2006.01)**
[25] FR
[54] **ANTI-CARBON-DIOXIDE MASK**
[54] **MASQUE ANTI-DIOXYDE-DE-CARBONE.**
[72] LY, NHAT SANG, CA
[72] LY, ARIANNE, CA
[71] LY, NHAT SANG, CA
[71] LY, ARIANNE, CA
[22] 2021-01-08
[41] 2022-07-08

[21] **3,105,426**
[13] A1
[51] **Int.Cl. A41D 13/11 (2006.01)**
[25] EN
[54] **FACE PROTECTOR THAT REDUCE THE RISK OF AIRDROP PENETRATION INTO THE RESPIRATORY SYSTEM, HAVING A FACE MASK WITH A LIGHT INDICATOR, ADJUSTED TO AND DESIGNATED FOR THE FACE MASK PROTECTIVE POTENTIAL IDENTIFYING**
[54] **PROTECTEUR FACIAL REDUISANT LE RISQUE DE LA PENETRATION DES GOUTTELETTES AERIENNES DANS LE SYSTEME RESPIRATEUR ET COMPRENANT UN MASQUE, QUI DISPOSE D'UN INDICATEUR LUMINEUX AJUSTE ET CONCU POUR DETERMINER SON POTENTIEL DE PROTECTION**
[72] MUTCHNIK, MICHAEL, CA
[72] DVINSKI, IGOR, CA
[71] MUTCHNIK, MICHAEL, CA
[71] DVINSKI, IGOR, CA
[22] 2021-01-08
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[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/903 (2019.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **MACHINE IDENTIFICATION OF ORIGINAL TRANSACTION IN LARGE TRANSACTION DATASETS**
[54] **DETERMINATION PAR MACHINE D'UNE TRANSACTION ORIGINALE DANS DE GRANDS ENSEMBLES DE DONNEES**
[72] POWELL, TIMOTHY, US
[72] OSBURN, DANIEL, US
[72] SALLA, JATIN, US
[72] MONTECILLO, AMIEL, US
[71] MARQETA, INC., US
[22] 2021-01-14
[41] 2022-07-05
[30] EP (21150292.7) 2021-01-05

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[21] **3,106,225**
[13] A1
[51] **Int.Cl. A62B 17/04 (2006.01) A41D 13/00 (2006.01) A42B 1/04 (2021.01) A42B 3/22 (2006.01) A42B 3/24 (2006.01)**
[25] EN
[54] **A PERSONAL PROTECTIVE EQUIPMENT ENSEMBLE MADE UP OF A LAUNDERABLE HOOD AND AN AIR DISPERSION PROTECTIVE HEADGEAR**
[54] **ENSEMBLE D'EQUIPEMENT DE PROTECTION INDIVIDUELLE COMPOSEE D'UNE CAGOULE LAVABLE ET D'UN CASQUE PROTECTEUR A DISPERSION D'AIR**
[72] ANDERSON, KENT D., US
[72] EBERL, ROLF, CA
[72] EBERL, PETER, CA
[72] NAYGEBOREN, DANIEL, CA
[71] UNITECH SERVICES GROUP, INC., US
[22] 2021-01-14
[41] 2022-07-06
[30] US (17/142708) 2021-01-06

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[21] **3,107,279**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXECUTING A PROCESS WORKFLOW**
[54] **SYSTEME ET METHODE D'EXECUTION D'UN FLUX DE TRAVAIL DE PROCEDES**
[72] SCARFUTTI, JOSEPH VINCENT, CA
[72] DE LA PENA, CHRISTIAN CABEROY, CA
[72] GOSNELL, MICHAEL JAMES, CA
[72] PETRESCU, BOGDAN, CA
[72] SAKHUJA, RIDHIMA, CA
[72] WRONKO, MIKAYLA DALE, CA
[72] DRANKA, OKSANA, CA
[72] ZHOU, TING, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-01-27
[41] 2022-07-07
[30] US (17/248,060) 2021-01-07

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[21] **3,109,976**
[13] A1
[51] **Int.Cl. F16M 13/02 (2006.01) B60R 11/02 (2006.01)**
[25] EN
[54] **RETRACTABLE CUP HOLDER DEVICE MOUNT**
[54] **SUPPORT A DISPOSITIF DE PORTE-TASSE RETRACTABLE**
[72] MCSWEYN, CHRISTOPHER MICHAEL, US
[71] SCOSCHE INDUSTRIES, INC., US
[22] 2021-02-24
[41] 2022-07-06
[30] US (17/142,653) 2021-01-06

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[21] **3,111,267**
[13] A1
[51] **Int.Cl. F21V 21/08 (2006.01)**
[25] EN
[54] **REVERSIBLE MOUNTING ARM FOR POLE-MOUNTED LIGHT FIXTURES**
[54] **BRAS DE MONTAGE REVERSIBLE POUR LES APPAREILS D'ECLAIRAGE MONTES SUR POTEAU**
[72] GIBSON, JON ERIC, US
[72] CHANG, ERIC, US
[71] ABL IP HOLDING LLC, US
[22] 2021-03-04
[41] 2022-07-08
[30] US (17/144,603) 2021-01-08

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[21] **3,113,789**
[13] A1
[51] **Int.Cl. B60K 1/04 (2019.01) B60L 50/64 (2019.01) B62D 55/07 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE WITH BATTERY PACK AS STRUCTURAL ELEMENT**
[54] **VEHICULE ELECTRIQUE COMPRENANT UN BLOC-BATTERIE COMME ELEMENT STRUCTURAL**
[72] BRUNEAU, SAMUEL, CA
[72] SCHROEDER, MATTHEW, CA
[72] ACHARD, PAUL, CA
[72] FAFARD, MARC-ANDRE, CA
[71] TAIGA MOTORS INC., CA
[22] 2021-03-30
[41] 2022-07-08
[30] US (63/135,497) 2021-01-08

[21] **3,114,630**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) E05B 47/00 (2006.01) E05G 1/04 (2006.01) E05G 1/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR PARCEL TRANSPORT AND TRACKING OPERATED RESPONSIVE TO DATA BEARING RECORDS**
[54] **SYSTEME DE TRANSPORT DE COLIS ET SUIVI EXPLOITE EN REPONSE A DES DOSSIERS CONTENANT DES DONNEES**
[72] ESTILL, JIM, CA
[72] REDFERN, DARREN, CA
[71] SHIPPERBEE, INC., CA
[22] 2021-04-12
[41] 2022-07-08
[30] US (63/135,353) 2021-01-08

[21] **3,117,306**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXECUTING A DYNAMIC ROUTING SERVICE**
[54] **SYSTEME ET METHODE POUR EXECUTER UN SERVICE D'ACHEMINEMENT DYNAMIQUE**
[72] SCARFUTTI, JOSEPH VINCENT, CA
[72] DE LA PENA, CHRISTIAN CABEROY, CA
[72] BULCHANDANI, ANEESHA SURESH, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-05-06
[41] 2022-07-07
[30] US (17/248,060) 2021-01-07
[30] US (17/302,085) 2021-04-23

[21] **3,117,365**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PERSISTING DATA GENERATED IN EXECUTING A PROCESS WORKFLOW**
[54] **SYSTEME ET METHODE DE CONSERVATION DE DONNEES GENEREES DANS L'EXECUTION D'UN FLUX DE TRAVAIL DE PROCEDES**
[72] SCARFUTTI, JOSEPH VINCENT, CA
[72] DE LA PENA, CHRISTIAN CABEROY, CA
[72] BULCHANDANI, ANEESHA SURESH, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-05-06
[41] 2022-07-07
[30] US (17/248,060) 2021-01-07
[30] US (17/302,093) 2021-04-23

[21] **3,117,372**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTEGRATING EXTERNAL SERVICES INTO PROCESS WORKFLOW ENVIRONMENTS**
[54] **SYSTEME ET METHODE D'INTEGRATION DE SERVICES EXTERNES DANS LES ENVIRONNEMENTS DE FLUX DE TRAVAIL DE PROCEDES**
[72] BULCHANDANI, ANEESHA SURESH, CA
[72] SCARFUTTI, JOSEPH VINCENT, CA
[72] DE LA PENA, CHRISTIAN CABEROY, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-05-06
[41] 2022-07-07
[30] US (17/248,060) 2021-01-07
[30] US (17/302,089) 2021-04-23

[21] **3,118,112**
[13] A1
[51] **Int.Cl. A23L 23/00 (2016.01) A23L 5/00 (2016.01) A23L 7/109 (2016.01) A23L 3/36 (2006.01) B65D 81/34 (2006.01)**
[25] EN
[54] **FROZEN FOOD PRODUCT**
[54] **PRODUIT ALIMENTAIRE CONGELE**
[72] YOSHIDA, HIROSHI, CA
[71] RAMEN MARKETING CORP., CA
[22] 2021-05-12
[41] 2022-07-06
[30] US (63/134,486) 2021-01-06

[21] **3,121,093**
[13] A1
[51] **Int.Cl. B25B 7/22 (2006.01) B25B 7/00 (2006.01) B25B 7/02 (2006.01)**
[25] EN
[54] **PLIER HEAD WITH GOOD ADAPTABILITY AND PLIER**
[54] **TETE DE PINCE A BONNE ADAPTABILITE ET PINCE**
[72] SHEN, YUEJUAN, CN
[71] ZHUJI ITOP HARDWARE TOOLS CO., LTD., CN
[71] ZHEJIANG IWISS ELECTRIC CO., LTD., CN
[22] 2021-06-04
[41] 2022-07-05
[30] CN (2021200139467) 2021-01-05

[21] **3,127,322**
[13] A1
[51] **Int.Cl. B25B 5/14 (2006.01) B25B 13/50 (2006.01) B25B 27/10 (2006.01)**
[25] EN
[54] **DISCONNECT TONG**
[54] **PINCE DE DECONNEXION**
[72] SHEN, YUEJUAN, CN
[71] ZHUJI ITOP HARDWARE TOOLS CO., LTD., CN
[71] ZHEJIANG IWISS ELECTRIC CO., LTD., CN
[22] 2021-08-10
[41] 2022-07-04
[30] CN (2021200068781) 2021-01-04
[30] CN (2021200747551) 2021-01-12

[21] **3,135,465**
[13] A1
[51] **Int.Cl. E03C 1/18 (2006.01) A47K 1/02 (2006.01) A47K 4/00 (2006.01)**
[25] EN
[54] **PORTABLE WASHBASIN SYSTEM**
[54] **SYSTEME DE LAVE-MAINS PORTATIF**
[72] WARREN, JOHN, US
[72] DUFENDACH, JON, US
[71] ALASKA NATIVE TRIBAL HEALTH CONSORTIUM, US
[22] 2021-10-22
[41] 2022-07-07
[30] US (17451740) 2021-10-21
[30] CA (3105991) 2021-01-07

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[21] **3,136,258**
[13] A1
[51] **Int.Cl. B64D 39/00 (2006.01) G06T 7/10 (2017.01) G06T 7/73 (2017.01) B64D 47/08 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **FUEL RECEPTACLE AND BOOM TIP POSITION AND POSE ESTIMATION FOR AERAIL REFUELING**
[54] **RECEPTACLE A CARBURANT ET ESTIMATION DE LA POSITION ET DE LA POSTURE POUR L'AVITAILLEMENT AERIEN**
[72] KHOSLA, DEEPAK, US
[72] NGUYEN, LEON, US
[72] LEACH, WILLIAM KENTAROU KANEKO, US
[72] HATCHER, JUSTIN C., US
[72] CLAYTON, JAMES L., US
[72] YANG, YIFAN, US
[72] IDELL, PAUL S., US
[72] HUNG, FAN HIN, US
[71] THE BOEING COMPANY, US
[22] 2021-10-27
[41] 2022-07-05
[30] US (63/134,085) 2021-01-05

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[21] **3,138,135**
[13] A1
[51] **Int.Cl. F16K 11/07 (2006.01) B64C 25/42 (2006.01) F15C 3/02 (2006.01) F16K 3/26 (2006.01) F16K 3/30 (2006.01)**
[25] EN
[54] **SHUTTLE VALVE SPOOL ASSEMBLY**
[54] **ASSEMBLAGE DE BOBINE DE SELECTEUR DE CIRCUIT**
[72] GUDIMETLA, CHANDRA SUDHAKAR, IN
[71] THE BOEING COMPANY, US
[22] 2021-11-08
[41] 2022-07-05
[30] US (63/134124) 2021-01-05

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[21] **3,138,295**
[13] A1
[51] **Int.Cl. B60D 1/24 (2006.01) A01B 59/042 (2006.01) B60D 1/42 (2006.01)**
[25] EN
[54] **SELF-LOCKING HITCH ASSEMBLY**
[54] **ENSEMBLE D'ATTELAGE AUTOVERROUILLANT**
[72] GRAHAM, WILLIAM DOUGLAS, US
[72] MUDANUR, ANAND, IN
[72] NIMBALKAR, ANANT DNYANOBA, IN
[72] PAWAR, PRAVIN, IN
[71] DEERE & COMPANY, US
[22] 2021-11-09
[41] 2022-07-04
[30] US (17/140,653) 2021-01-04

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[21] **3,138,493**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **SERVER DEVICE, SYSTEM, INFORMATION PROCESSING DEVICE, NON-TRANSITORY STORAGE MEDIUM, AND OPERATION METHOD FOR SYSTEM**
[54] **DISPOSITIF SERVEUR, SYSTEME, DISPOSITIF DE TRAITEMENT DE L'INFORMATION, SUPPORT DE STOCKAGE NON TRANSITOIRE ET METHODE D'EXPLOITATION DU SYSTEME**
[72] NAKASHIMA, TOYOKAZU, JP
[72] HOSODA, NODOKA, JP
[72] ISHII, HARUKA, JP
[72] YAMAMOTO, KAZUYO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2021-11-10
[41] 2022-07-08
[30] JP (2021-002358) 2021-01-08

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[21] **3,139,153**
[13] A1
[51] **Int.Cl. H04L 41/084 (2022.01)**
[25] EN
[54] **CODE MONITORING TO RECOMMEND ALTERNATIVE APPLICATIONS**
[54] **SURVEILLANCE DE CODE POUR RECOMMANDER DES APPLICATIONS DE RECHANGE**
[72] DAVEY, JOSHUA, CA
[71] SHOPIFY INC., CA
[22] 2021-11-11
[41] 2022-07-06
[30] US (17/142958) 2021-01-06

[21] **3,139,210**
[13] A1
[51] **Int.Cl. G07G 5/00 (2006.01) G06Q 20/20 (2012.01) G06Q 20/32 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TRANSMITTING RECEIPT INFORMATION USING MOBILE TERMINAL**
[54] **SYSTEME ET METHODE POUR LA TRANSMISSION D'INFORMATION DE RECU AU MOYEN D'UN TERMINAL MOBILE**
[72] KIM, KYUNG DONG, KR
[71] ALLINK CO., LTD., KR
[22] 2021-11-15
[41] 2022-07-04
[30] KR (10-2021-0000566) 2021-01-04

[21] **3,139,655**
[13] A1
[51] **Int.Cl. H04B 11/00 (2006.01)**
[25] EN
[54] **ACOUSTIC NODE FOR CONFIGURING REMOTE DEVICE**
[54] **NOEUD ACOUSTIQUE POUR CONFIGURER UN DISPOSITIF ELOIGNE**
[72] REDMOND, JAMES, CA
[72] NEAVE, STEPHEN, CA
[72] GUIMOND, SCOTT, CA
[72] SOBIN, ZACKERY, US
[71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US
[22] 2021-11-22
[41] 2022-07-08
[30] US (63/135323) 2021-01-08

[21] **3,140,335**
[13] A1
[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/072 (2006.01)**
[25] EN
[54] **ANVIL BUTTRESS ATTACHMENT FOR SURGICAL STAPLING APPARATUS**
[54] **ACCESSOIRE DE CONTREFORT D'ENCLUME POUR UN APPAREIL D'AGRAFAGE CHIRURGICAL**
[72] PREMA MOHANASUNDARAM, SURESH KUMAR, IN
[71] COVIDIEN LP, US
[22] 2021-11-24
[41] 2022-07-04
[30] US (17/140,481) 2021-01-04

[21] **3,140,465**
[13] A1
[51] **Int.Cl. G01J 5/48 (2006.01) G01J 5/80 (2022.01) A61B 5/01 (2006.01) G06N 3/04 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **COMPUTING DEVICE AND METHOD USING A NEURAL NETWORK TO ANALYZE TEMPERATURE MEASUREMENTS OF AN INFRARED SENSOR**
[54] **DISPOSITIF DE CALCUL ET METHODE UTILISANT UN RESEAU NEURONAL POUR ANALYSER LES MESURES DE TEMPERATURE D'UN CAPTEUR INFRAROUGE**
[72] GERVAIS, FRANCOIS, CA
[72] BOUCHER, JEAN-SIMON, CA
[71] DISTECH CONTROLS INC., CA
[22] 2021-11-25
[41] 2022-07-08
[30] US (17/144,744) 2021-01-08

[21] **3,140,878**
[13] A1
[51] **Int.Cl. A47J 45/07 (2006.01)**
[25] FR
[54] **REMOVABLE HANDLE EQUIPPED WITH A REINFORCED SUPPORT COMPONENT**
[54] **POIGNEE AMOVIBLE MUNIE D'UN ORGANE D'APPUI RENFORCE**
[72] MONTGELARD, MICHEL, FR
[71] SEB S.A., FR
[22] 2021-12-01
[41] 2022-07-07
[30] FR (FR2100140) 2021-01-07

[21] **3,141,043**
[13] A1
[51] **Int.Cl. H04L 41/0681 (2022.01) H04L 9/40 (2022.01)**
[25] EN
[54] **METHOD FOR VERIFYING VULNERABILITIES OF NETWORK DEVICES USING CVE ENTRIES**
[54] **METHODE DE VERIFICATION DES VULNERABILITES DANS LES DISPOSITIFS RESEAU AU MOYEN DES ENTREES DANS LE CVE**
[72] CAVALLARO CORTI, ALESSANDRO, IT
[72] CARULLO, MORENO, IT
[72] CARCANO, ANDREA, US
[71] NOZOMI NETWORKS SAGL, CH
[22] 2021-12-03
[41] 2022-07-04
[30] US (17/140,906) 2021-01-04

[21] **3,141,064**
[13] A1
[51] **Int.Cl. B60R 21/13 (2006.01)**
[25] EN
[54] **UBERROLLANORDNUNG**
[54] **UBERROLLANORDNUNG**
[72] KOLLER, DOMINIK, DE
[71] KOLLER, DOMINIK, DE
[22] 2021-12-04
[41] 2022-07-08
[30] DE (10 2021 100 189.7) 2021-01-08

[21] **3,142,018**
[13] A1
[51] **Int.Cl. C08K 3/22 (2006.01) C08K 3/013 (2018.01) B29C 35/00 (2006.01) C08L 101/00 (2006.01)**
[25] EN
[54] **CURABLE CASTING COMPOUND FOR THE MANUFACTURE OF MOLDED PLASTICS**
[54] **COMPOSE DE MOULAGE DURCISSABLE POUR LA FABRICATION DE PLASTIQUES MOULES**
[72] HAJEK, ANDREAS, DE
[71] BLANCO GMBH & CO. KG, DE
[22] 2021-12-13
[41] 2022-07-07
[30] DE (102021200091.6) 2021-01-07

[21] **3,142,154**
[13] A1
[51] **Int.Cl. G01B 11/245 (2006.01) G06V 20/00 (2022.01)**
[25] EN
[54] **AUTOMATED DETERMINATION OF IMAGE ACQUISITION LOCATIONS IN BUILDING INTERIORS USING MULTIPLE DATA CAPTURE DEVICES**
[54] **DETERMINATION AUTOMATISEE D'EMPLACEMENTS D'ACQUISITION D'IMAGES DANS LES LIEUX INTERIEURS DE BATIMENT AU MOYEN DE MULTIPLES DISPOSITIFS D'ENREGISTREMENT DE DONNEES**
[72] CIER, SEAN P., US
[72] KANG, SING BING, US
[72] DAWSON, MITCHELL DAVID, US
[72] MOULON, PIERRE, US
[71] ZILLOW, INC., US
[22] 2021-12-14
[41] 2022-07-08
[30] US (63/135,312) 2021-01-08
[30] US (17/150,958) 2021-01-15

[21] **3,142,160**
[13] A1
[51] **Int.Cl. B29C 44/34 (2006.01)**
[25] EN
[54] **METHOD FOR THE MANUFACTURE OF A FOAMED EXTRUDATE**
[54] **METHODE DE FABRICATION D'UN EXTRUDAT MOUSSE**
[72] SCHLUMMER, CHRISTIAN, CH
[72] WILLA, CHRISTOPH, CH
[72] HEUSSER, ROLF, CH
[71] PROMIX SOLUTIONS AG, CH
[22] 2021-12-14
[41] 2022-07-05
[30] EP (21150349.5) 2021-01-05

[21] **3,142,167**
[13] A1
[51] **Int.Cl. A61G 3/06 (2006.01) B60P 1/43 (2006.01)**
[25] EN
[54] **IMPROVED DEPLOYMENT MECHANISM FOR A BARIATRIC RAMP**
[54] **MECANISME DE DEPLOIEMENT AMELIORE POUR UNE RAMPE BARIATRIQUE**
[72] CHACKSFIELD, SIMON, GB
[71] SG TECHNICAL SYSTEMS LTD, GB
[22] 2021-12-14
[41] 2022-07-08
[30] GB (2100229.0) 2021-01-08
[30] GB (2113757.5) 2021-09-27

[21] **3,142,261**
[13] A1
[51] **Int.Cl. F17D 5/02 (2006.01) F16L 55/46 (2006.01) G01M 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RETRIEVING IN-LINE LEAK DETECTION DEVICES**
[54] **SYSTEME ET METHODE DE RECUPERATION DE DISPOSITIFS DE DETECTION DE FUITES DANS UNE CONDUITE**
[72] RUSSELL, DAVID E., CA
[71] RUSSELL NDE SYSTEMS INC., CA
[22] 2021-12-14
[41] 2022-07-04
[30] US (63/133,687) 2021-01-04

[21] **3,142,690**
[13] A1
[51] **Int.Cl. A01N 37/44 (2006.01) A01N 65/30 (2009.01) A01N 37/40 (2006.01) A01N 59/00 (2006.01) A01N 61/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **FOLIAR COMPOSITON FOR ENHANCING INCREASED PLANT GROWTH AND PRODUCTIVITY**
[54] **COMPOSITION FOLIAIRE POUR AMELIORER LA CROISSANCE ET LE RENDEMENT ACCRUS DES PLANTES**
[72] BUTLER, ANDREW, CA
[72] LIAW-MORRIS, PETER, CA
[72] QUOC LE, BRYAN, US
[71] BUTLER, ANDREW, CA
[71] LIAW-MORRIS, PETER, CA
[71] QUOC LE, BRYAN, US
[22] 2021-12-23
[41] 2022-07-07
[30] US (17/513,384) 2021-10-28
[30] US (17/540,354) 2021-12-02

[21] **3,142,750**
[13] A1
[51] **Int.Cl. B64D 39/00 (2006.01) G06T 7/73 (2017.01) B64D 47/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR REFINING A SIX DEGREES OF FREEDOM POSE ESTIMATE OF A TARGET OBJECT**
[54] **SYSTEME POUR PEAUFINER L'ESTIMATION DE POSTURE DES SIX DEGRES DE LIBERTE D'UN OBJET CIBLE**
[72] LEACH, WILLIAM K., US
[72] NGUYEN, LEON, US
[72] HUNG, FAN HIN, US
[72] CHEN, YANG, US
[72] KHOSLA, DEEPAK, US
[72] SMITH, HADEN H., US
[71] THE BOEING COMPANY, US
[22] 2021-12-16
[41] 2022-07-04
[30] US (63/133,718) 2021-01-04

[21] **3,143,162**
[13] A1
[51] **Int.Cl. F01N 9/00 (2006.01) F01N 11/00 (2006.01) F02D 43/00 (2006.01)**
[25] EN
[54] **PREDICTIVE AMMONIA RELEASE CONTROL**
[54] **CONTROLE PREDICTIF DE LA LIBERATION DE L'AMMONIAC**
[72] RAMIREZ, JORGE RAFAEL LOZADA, US
[72] HERGART, CARL ANDERS, GB
[72] WEBB, CYNTHIA CHAFFIN, US
[72] BALTON, CHRISTOPHER S., US
[71] PACCAR INC, US
[22] 2021-12-20
[41] 2022-07-04
[30] US (17/141,038) 2021-01-04

[21] **3,143,180**
[13] A1
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/107 (2012.01) G01S 15/89 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **MACHINE LEARNING MODEL FOR IDENTIFYING SURFACES IN A TUBULAR**
[54] **MODELE D'APPRENTISSAGE AUTOMATIQUE POUR LA DETERMINATION DE SURFACES DANS UN TUBULAIRE**
[72] MAHMOUD, ANAS, CA
[72] KHALLAGI, SIAVASH, CA
[71] DARKVISION TECHNOLOGIES INC, CA
[22] 2021-12-20
[41] 2022-07-04
[30] GB (2100058.3) 2021-01-04

[21] **3,143,437**
[13] A1
[51] **Int.Cl. H04B 10/25 (2013.01)**
[25] EN
[54] **TERMINAL LINE INTERFACE MODULE FOR UNDERSEA OPEN CABLE SYSTEM ACCESS**
[54] **MODULE D'INTERFACE DE LIGNE DE TERMINAL POUR UN ACCES DE SYSTEME DE CABLES OUVERT SOUS-MARIN**
[72] JANDER, RALPH BRIAN, US
[72] RODRIGUEZ, MIGUEL, US
[71] SUBCOM, LLC, US
[22] 2021-12-21
[41] 2022-07-07
[30] US (63/134,814) 2021-01-07
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[30] US (17/554,035) 2021-12-17

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[13] A1
[51] **Int.Cl. H04L 45/745 (2022.01) H04L 9/40 (2022.01)**
[25] FR
[54] **PROCEDURE FOR REPORTING ILLEGAL IP ADDRESS USE**
[54] **PROCEDE DE SIGNALISATION D'UNE UTILISATION D'ADRESSE IP ILLICITE**
[72] FADLE, HATIM, FR
[72] ALARCON, LAURENT, FR
[71] SAGEMCOM BROADBAND SAS, FR
[22] 2021-12-21
[41] 2022-07-07
[30] FR (2100105) 2021-01-07

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[13] A1
[51] **Int.Cl. F16B 15/00 (2006.01) F16B 15/02 (2006.01) F16B 15/06 (2006.01) F16B 15/08 (2006.01)**
[25] EN
[54] **NAIL, IN PARTICULAR FOR USE IN A NAIL SETTING DEVICE**
[54] **CLOU, EN PARTICULIER POUR UNE UTILISATION DANS UN DISPOSITIF DE POSE DE CLOUS**
[72] SIEMERS, STEFAN, DE
[71] RAIMUND BECK NAGELTECHNIK GMBH, AT
[22] 2021-12-21
[41] 2022-07-07
[30] EP (21150547.4) 2021-01-07

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[13] A1
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/007 (2012.01)**
[25] EN
[54] **INDICATION OF COMPRESSION LOADING IN DOWNHOLE TOOL STRINGS**
[54] **INDICATION DE CHARGEMENT DE COMPRESSION DANS LES COLONNES D'OUTIL DE FOND DE TROU**
[72] WATSON, BROCK W., US
[72] SCHULTZ, ROGER L., US
[72] FEARS, BRETT A., US
[72] MANKE, TIMOTHY, US
[71] THRU TUBING SOLUTIONS, INC., US
[22] 2021-12-21
[41] 2022-07-08
[30] US (63/135454) 2021-01-08

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[13] A1
[51] **Int.Cl. H05K 5/02 (2006.01)**
[25] EN
[54] **ELECTRICAL AND UTILITY DEVICE PROTECTION APPARATUS**
[54] **APPAREIL DE PROTECTION DES DISPOSITIFS ELECTRIQUES ET DE SERVICE**
[72] LIEBERMANN, KENT, CA
[71] LIEBERMANN, KENT, CA
[22] 2021-12-22
[41] 2022-07-05
[30] US (17/142,160) 2021-01-05

[21] **3,143,791**
[13] A1
[51] **Int.Cl. G12B 11/00 (2006.01) B25B 21/00 (2006.01) B25F 5/00 (2006.01)**
[25] EN
[54] **FRAME FOR DISPLAY ASSEMBLY**
[54] **CHASSIS DE PRESENTOIR**
[72] BEER, JOSHUA M., US
[72] GENZ, JASON, US
[71] SNAP-ON INCORPORATED, US
[22] 2021-12-23
[41] 2022-07-07
[30] US (17/143,565) 2021-01-07

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[13] A1
[51] **Int.Cl. A47B 96/00 (2006.01) E05B 65/462 (2017.01) A47B 55/00 (2006.01) B25H 3/00 (2006.01) E06B 5/00 (2006.01)**
[25] EN
[54] **ACCESS DOOR FOR A STORAGE UNIT**
[54] **PORTE D'ACCES POUR UNITE DE STOCKAGE**
[72] KUTER-ARNEBECK, OTTOLEO, US
[72] WEIR, NICHOLAS H., US
[71] SNAP-ON INCORPORATED, US
[22] 2021-12-23
[41] 2022-07-08
[30] US (17/144,684) 2021-01-08

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[13] A1
[51] **Int.Cl. G09F 9/00 (2006.01) B25F 5/00 (2006.01) G09F 9/33 (2006.01) G09F 9/35 (2006.01) H05K 7/02 (2006.01)**
[25] EN
[54] **DOUBLE OVERMOLDED DISPLAY HOUSING ASSEMBLY**
[54] **ASSEMBLAGE DE LOGEMENT DE PRESENTOIR DOUBLEMENT SURMOULE**
[72] BEER, JOSHUA M., US
[72] GENZ, JASON, US
[72] RAJZER, MICHAEL T., US
[72] BROUWERS, CRAIG, US
[71] SNAP-ON INCORPORATED, US
[22] 2021-12-23
[41] 2022-07-08
[30] US (17/144,777) 2021-01-08

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[13] A1
[51] **Int.Cl. B05B 15/60 (2018.01)**
[25] EN
[54] **TOOL FOR POWERED SPRAYER**
[54] **OUTIL POUR PULVERISATEUR ELECTRIQUE**
[72] OLVERA, EDUARDO, US
[71] TECHTRONIC CORDLESS GP, US
[22] 2021-12-23
[41] 2022-07-06
[30] US (63/134,386) 2021-01-06

[21] **3,143,844**
[13] A1
[51] **Int.Cl. C10J 3/72 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR PRODUCING SYNTHESIS GAS THROUGH THERMOCHEMICAL CONVERSION OF BIOMASS AND WASTE MATERIALS**
[54] **PROCEDE ET APPAREIL POUR PRODUIRE UN GAZ DE SYNTHESE PAR LA CONVERSION THERMOCHIMIQUE DE BIOMASSES ET DE DECHETS**
[72] MOGHADDAM, ELYAS M., NL
[72] GOEL, AVISHEK, NL
[72] TOPOROV, DOBRIN, NL
[72] VAN DER ZANDE, WIM, NL
[72] MOHAMMADI, ALIREZA, NL
[72] VAN DER ZANDE, CHRIS, NL
[71] GIDARA ENERGY B.V., NL
[22] 2021-12-23
[41] 2022-07-06
[30] EP (21150402.2) 2021-01-06

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[13] A1
[51] **Int.Cl. E05B 65/46 (2017.01)**
[25] EN
[54] **DRAWER LOCK ASSEMBLIES**
[54] **ASSEMBLAGES DE VERROUS DE TIROIR**
[72] BULLWINKEL, WILLIAM H., US
[72] LUDWIG, ROBERT, US
[72] WACHSMAN, DAVID R., US
[72] MA, ALVIN, US
[71] DELTA LOCK COMPANY, LLC, US
[22] 2021-12-23
[41] 2022-07-05
[30] US (63/134,000) 2021-01-05
[30] US (63/172,831) 2021-04-09

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[13] A1
[51] **Int.Cl. G06F 3/16 (2006.01) G06F 9/06 (2006.01)**
[25] EN
[54] **EVALUATING USER DEVICE ACTIVATIONS**
[54] **EVALUATION DES ACTIVATIONS DE DISPOSITIFS UTILISATEUR**
[72] MIN, RUI, US
[72] SABRAW, MARIEL, US
[72] WANG, HONGCHENG, US
[72] DEICHMANN, STEFAN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2021-12-24
[41] 2022-07-06
[30] US (17/142,894) 2021-01-06

[21] **3,144,039**
[13] A1
[51] **Int.Cl. F24B 15/00 (2006.01) A47G 29/00 (2006.01) B07B 1/00 (2006.01) B65D 25/02 (2006.01) B65D 85/00 (2006.01)**
[25] EN
[54] **IMPROVED METHOD OF HANDLING WOOD FUEL PELLETS**
[54] **METHODE AMELIOREE DE MANIPULATION DES GRANULES DE BOIS**
[72] KUMAR, GUNJIT, US
[72] WARD, THOMAS H., US
[72] CORSO, DAN, US
[72] STERRITT, RYAN, US
[72] WAYLAND, SCOTT LAWRENCE, US
[71] W.C. BRADLEY CO., US
[22] 2022-01-07
[41] 2022-07-07
[30] US (17/143,680) 2021-01-07

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[13] A1
[51] **Int.Cl. G01N 21/95 (2006.01) G01B 15/00 (2006.01) G01N 21/94 (2006.01) G01N 23/04 (2018.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MEASURING FASTENER CONCENTRICITY**
[54] **METHODES ET APPAREIL POUR MESURER LA CONCENTRICITE D'UNE ATTACHE**
[72] MAEDER, THOMAS, US
[72] VADDI, JYANI S., US
[72] MEADE, WILLIAM D., US
[71] THE BOEING COMPANY, US
[22] 2021-12-30
[41] 2022-07-05
[30] US (63/134067) 2021-01-05

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[13] A1
[51] **Int.Cl. B60W 60/00 (2020.01) B62D 1/00 (2006.01) B62D 5/00 (2006.01) B62D 15/00 (2006.01)**
[25] EN
[54] **STEERING CONTROL METHOD AND STEERING WHEEL STEERING DEVICE FOR AUTOMATIC DRIVING**
[54] **METHODE DE COMMANDE DE DIRECTION ET DISPOSITIF DE VOLANT POUR LA CONDUITE AUTOMATIQUE**
[72] ZHOU, QI, CN
[72] WU, DI, CN
[71] FJ DYNAMICS CO., LTD., CN
[22] 2021-12-30
[41] 2022-07-06
[30] CN (202110013797.9) 2021-01-06

[21] **3,144,409**
[13] A1
[51] **Int.Cl. A47G 1/16 (2006.01)**
[25] EN
[54] **APPARATUS FOR SUSPENSING OBJECTS ON A WALL**
[54] **APPAREIL POUR SUSPENDRE DES OBJETS SUR UN MUR**
[72] MALOTT, DALE G., US
[72] ALAWWAD, GAITH, US
[71] THE HILLMAN GROUP, INC., US
[22] 2021-12-29
[41] 2022-07-07
[30] US (63/134,619) 2021-01-07

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[13] A1
[51] **Int.Cl. E06C 1/30 (2006.01)**
[25] EN
[54] **REMOTE EXTENDABLE LADDER AND METHODS**
[54] **ECHELLE ESCAMOTABLE A DISTANCE ET METHODES**
[72] LENTINE, TEK, US
[72] PARKER, THOMAS W., US
[72] POZGAY, DAVID S., US
[71] WERNER CO., US
[22] 2021-12-30
[41] 2022-07-08
[30] US (63/135,228) 2021-01-08

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[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01)**
[25] EN
[54] **VIRTUAL COLLABORATION ENVIRONMENT**
[54] **ENVIRONNEMENT VIRTUEL DE COLLABORATION**
[72] GREEN, ERIC M., US
[71] POLARIS INDUSTRIES INC., US
[22] 2021-12-31
[41] 2022-07-04
[30] US (63/133,592) 2021-01-04

[21] **3,144,661**
[13] A1
[51] **Int.Cl. A61F 2/44 (2006.01) A61F 2/30 (2006.01)**
[25] EN
[54] **EXPANDABLE IMPLANT**
[54] **IMPLANT DILATABLE**
[72] BERRY, BRET MICHAEL, US
[71] BERRY, BRET MICHAEL, US
[22] 2022-01-04
[41] 2022-07-04
[30] US (17/140,761) 2021-01-04

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[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) B60L 50/64 (2019.01) B60L 58/10 (2019.01) B60L 58/18 (2019.01) H01M 10/48 (2006.01) H01R 13/46 (2006.01) H03M 1/12 (2006.01)**
[25] EN
[54] **DISTRIBUTED BATTERY MANAGEMENT SYSTEM FOR ELECTRIC VEHICLE**
[54] **SYSTEME DE GESTION DE BATTERIE DE VEHICULE ELECTRIQUE**
[72] BERNATCHEZ, GABRIEL, CA
[72] GAGNON, MARC-OLIVIER, CA
[71] TAIGA MOTORS INC., CA
[22] 2021-12-30
[41] 2022-07-08
[30] US (63/135,452) 2021-01-08

[21] **3,144,676**
[13] A1
[51] **Int.Cl. A01D 34/53 (2006.01)**
[25] EN
[54] **REEL MOWER CUTTING BAR**
[54] **BARRE DE COUPE DE TONDEUSE A ROULEAU**
[72] KERSEY, MICHAEL, US
[72] WITTY, CRAIG, US
[71] THE GREAT STATES CORPORATION, US
[22] 2022-01-04
[41] 2022-07-08
[30] US (17/144,702) 2021-01-08

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[13] A1
[51] **Int.Cl. A61B 5/01 (2006.01) A61B 5/00 (2006.01) G01J 5/03 (2022.01) G01J 5/48 (2006.01) G01J 5/52 (2022.01)**
[25] EN
[54] **THERMAL IMAGING DETECTION**
[54] **DETECTION D'IMAGERIE THERMIQUE**
[72] ALBERTSEN, JEFFREY, US
[72] NISHTALA, VASU, US
[72] MART, ROBERT, US
[72] PARNIS, STEVEN, US
[71] QUEST MEDICAL, INC., US
[22] 2022-01-04
[41] 2022-07-05
[30] US (17/142,023) 2021-01-05

[21] **3,144,679**
[13] A1
[51] **Int.Cl. G10L 15/32 (2013.01) G10L 15/01 (2013.01) G10L 15/22 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS AND APPARATUSES FOR IMPROVED SPEECH RECOGNITION AND TRANSCRIPTION**
[54] **METHODES, SYSTEMES ET APPAREILS POUR L'AMELIORATION DE LA RECONNAISSANCE DE LA PAROLE AMELIOREE ET DE LA RETRANSCRIPTION**
[72] MIN, RUI, US
[72] DEICHMANN, STEFAN, US
[72] WANG, HONGCHENG, US
[72] YANG, GEIFEI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-01-04
[41] 2022-07-05
[30] US (17/141,926) 2021-01-05

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[13] A1
[51] **Int.Cl. B03B 5/48 (2006.01) B03B 5/62 (2006.01) B07B 1/28 (2006.01)**
[25] EN
[54] **AGGREGATE WASHING SYSTEMS, METHODS, AND APPARATUS**
[54] **SYSTEMES, METHODES ET APPAREIL DE LAVAGE DE GRANULATS**
[72] RODRIQUEZ, JOHN, US
[72] HANSON, SHANE, US
[72] BENNINGTON, JOHN, US
[71] SUPERIOR INDUSTRIES, INC., US
[22] 2022-01-04
[41] 2022-07-04
[30] US (63/133,767) 2021-01-04

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[13] A1
[51] **Int.Cl. B08B 17/04 (2006.01) B08B 15/02 (2006.01) B25H 1/00 (2006.01) F16M 11/00 (2006.01)**
[25] EN
[54] **HOUSING ASSEMBLY FOR SELECTIVELY RECEIVING A PART AND A METHOD OF REMOVING PARTICLES FROM A FRICTIONAL SURFACE OF A PAD**
[54] **ASSEMBLAGE DE LOGEMENT POUR LA RECEPTION SELECTIVE D'UNE PIECE ET METHODE D'ELIMINATION DE PARTICULES D'UNE SURFACE DE FROTTEMENT D'UN TAMPON**
[72] THROCKMORTON, RYAN WALTER, US
[72] FIFE, MATTHEW EARL, US
[71] THE BOEING COMPANY, US
[22] 2022-01-04
[41] 2022-07-04
[30] US (63/133,551) 2021-01-04
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[51] **Int.Cl. F24H 9/02 (2006.01) F24D 5/02 (2006.01) F24D 15/02 (2006.01) F24D 17/00 (2022.01) F24D 19/06 (2006.01) F24H 6/00 (2006.01)**
[25] EN
[54] **COMBINATION SPACE AND HOT WATER HEATER**
[54] **ESPACE COMBINATOIRE ET CHAUFFE-EAU**
[72] DOEPKER, CAMERON D., CA
[71] GRADIENT THERMAL INC., CA
[22] 2022-01-05
[41] 2022-07-06
[30] US (63/134,426) 2021-01-06

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[51] **Int.Cl. C21B 13/00 (2006.01) B01D 53/14 (2006.01) B01D 53/62 (2006.01) C01B 3/02 (2006.01) C01C 1/04 (2006.01) C01G 49/00 (2006.01)**
[25] EN
[54] **DIRECT REDUCED IRON SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE REDUCTION DIRECTE DE FER**
[72] TRUE, BRAD, US
[72] LEVEEN, LINDSAY, US
[72] MOTAMEDHASHEMI, MIRMOHAMMADYOUSEF, US
[71] NUCOR CORPORATION, US
[22] 2022-01-05
[41] 2022-07-07
[30] US (63/134,815) 2021-01-07
[30] US (63/141,399) 2021-01-25
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[13] A1
[51] **Int.Cl. G02B 27/00 (2006.01) G02B 21/36 (2006.01) G02B 26/08 (2006.01) H04N 5/335 (2011.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR LIGHT FIELD IMAGING**
[54] **METHODE ET SYSTEME POUR UNE IMAGERIE PAR CHAMP LUMINEUX**
[72] LIANG, JINYANG, CA
[72] LIU, JINGDAN, CA
[72] PATTEN, SHUNMOOGUM A., CA
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
[22] 2022-01-05
[41] 2022-07-08
[30] US (63/199,552) 2021-01-08

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[13] A1
[51] **Int.Cl. G06F 21/32 (2013.01) G06Q 20/40 (2012.01) G06V 10/12 (2022.01) G06V 40/16 (2022.01)**
[25] EN
[54] **AUTHENTICATION BY A FACIAL BIOMETRIC**
[54] **AUTHENTIFICATION PAR BIOMETRIE DU VISAGE**
[72] BALLIU, ARNOLD, US
[72] BROWN, KELLY JO, US
[72] HUANG, JOCELYN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-01-04
[41] 2022-07-04
[30] US (17/247975) 2021-01-04

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[13] A1
[51] **Int.Cl. A63B 69/36 (2006.01)**
[25] EN
[54] **GOLF BALL RETURN DEVICE**
[54] **APPAREIL DE RETOUR DES BALLES DE GOLF**
[72] JODHA, GUNPAL, CA
[71] JODHA, GUNPAL, CA
[22] 2022-01-06
[41] 2022-07-07
[30] US (63/199,549) 2021-01-07

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[13] A1
[51] **Int.Cl. C02F 1/00 (2006.01) C02F 1/28 (2006.01) C02F 1/50 (2006.01) C02F 1/78 (2006.01) C02F 9/00 (2006.01)**
[25] EN
[54] **POOL FILTRATION SYSTEM**
[54] **SYSTEME DE FILTRATION DE PISCINE**
[72] FEENEY, STEPHEN A., CA
[71] FEENEY, STEPHEN A., CA
[22] 2022-01-06
[41] 2022-07-06
[30] US (63/134,453) 2021-01-06

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[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06F 16/22 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD OF CONTROLLING AND IMPLEMENTING A COMMUNICATION PLATFORM AS A SERVICE**
[54] **SYSTEME ET METHODE DE CONTROLE ET DE MISE EN OEUVRE D'UNE PLATEFORME DE COMMUNICATION COMME UN SERVICE**
[72] ROYTBLAT, IGAL, CA
[72] SOKOL, JERRY A., CA
[71] ANANCALL LIMITED, CA
[22] 2022-01-05
[41] 2022-07-06
[30] US (63/134,237) 2021-01-06

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[13] A1
[51] **Int.Cl. H02K 11/30 (2016.01) B60L 15/00 (2006.01) H02M 1/08 (2006.01) H02M 7/44 (2006.01) H02P 25/00 (2006.01)**
[25] EN
[54] **DRIVE UNIT FOR ELECTRIC VEHICLE**
[54] **UNITE D'ENTRAINEMENT POUR VEHICULE ELECTRIQUE**
[72] BRUNEAU, SAMUEL, CA
[72] BRUNEAU, PAUL, CA
[72] BERNATCHEZ, GABRIEL, CA
[71] TAIGA MOTORS INC., CA
[22] 2022-01-05
[41] 2022-07-08
[30] US (63/135,466) 2021-01-08
[30] US (63/135,474) 2021-01-08

[21] **3,144,863**
[13] A1
[51] **Int.Cl. B60L 50/60 (2019.01) B60L 58/24 (2019.01) B60K 1/00 (2006.01) B60R 16/02 (2006.01)**
[25] EN
[54] **DRIVE UNIT FOR ELECTRIC VEHICLE**
[54] **UNITE D'ENTRAINEMENT POUR VEHICULE ELECTRIQUE**
[72] BRUNEAU, SAMUEL, CA
[72] BRUNEAU, PAUL, CA
[71] TAIGA MOTORS INC., CA
[22] 2022-01-05
[41] 2022-07-08
[30] US (63/135,466) 2021-01-08
[30] US (63/135,474) 2021-01-08

[21] **3,144,866**
[13] A1
[51] **Int.Cl. B60L 58/24 (2019.01)**
[25] EN
[54] **DRIVE UNIT FOR ELECTRIC VEHICLE**
[54] **UNITE D'ENTRAINEMENT POUR VEHICULE ELECTRIQUE**
[72] BRUNEAU, SAMUEL, CA
[72] BRUNEAU, PAUL, CA
[71] TAIGA MOTORS INC., CA
[22] 2022-01-05
[41] 2022-07-08
[30] US (63/135,466) 2021-01-08
[30] US (63/135,474) 2021-01-08

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[13] A1
[51] **Int.Cl. B64D 27/00 (2006.01) B64D 27/24 (2006.01) B64D 35/08 (2006.01)**
[25] EN
[54] **PARALLEL HYBRID POWER PLANT WITH HOLLOW MOTOR**
[54] **CENTRALE ELECTRIQUE HYBRIDE PARALLELE A MOTEUR CREUX**
[72] WANG, XI, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-05
[41] 2022-07-05
[30] US (17/142,085) 2021-01-05

[21] **3,144,892**
[13] A1
[51] **Int.Cl. F24F 3/153 (2006.01) F24F 11/84 (2018.01) F24F 12/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR VENTILATING AND DEHUMIDIFYING A SPACE**
[54] **SYSTEME ET METHODE POUR LA VENTILATION ET LA DESHUMIDIFICATION D'UN ESPACE**
[72] REYNOLDS, JORDAN SCOTT, US
[72] KEEN, WILLIAM DALE, US
[71] KENTUCKIANA CURB COMPANY, INC., US
[22] 2022-01-06
[41] 2022-07-08
[30] US (63/135194) 2021-01-08
[30] US (17/214099) 2021-03-26

[21] **3,144,931**
[13] A1
[51] **Int.Cl. B25B 33/00 (2006.01)**
[25] EN
[54] **INSERTION TOOL**
[54] **OUTIL D'INSERTION**
[72] TRIVEDI, DEEPAK, US
[72] BENNETT, GROVER ANDREW, US
[72] LECLERC, STEPHEN PAUL, US
[72] GRAHAM, ANDREW CRISPIN, GB
[71] GENERAL ELECTRIC COMPANY, US
[71] OLIVER CRISPIN ROBOTICS LIMITED, GB
[22] 2022-01-06
[41] 2022-07-08
[30] US (17/144,435) 2021-01-08

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[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B31B 70/26 (2017.01) B31B 70/64 (2017.01) B31B 70/92 (2017.01) B29C 48/08 (2019.01) B29C 48/16 (2019.01) B32B 27/18 (2006.01) B32B 37/28 (2006.01) B65D 30/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND MATERIALS FOR ODOR REDUCING ARTICLES INCLUDING TRASH BAGS**
[54] **COMPOSITIONS ET MATERIAUX POUR DES ARTICLES A REDUCTION DES ODEURS, COMME LES SACS DE POUBELLE**
[72] YANG, FRANK, US
[72] WONG, RYAN, US
[71] SIMPLEHUMAN, LLC, US
[22] 2022-01-06
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[54] **OUTIL D'INSERTION**
[72] TRIVEDI, DEEPAK, US
[72] BENNETT, GROVER ANDREW, US
[72] LECLERC, STEPHEN PAUL, US
[72] GRAHAM, ANDREW CRISPIN, GB
[71] GENERAL ELECTRIC COMPANY, US
[71] OLIVER CRISPIN ROBOTICS LIMITED, GB
[22] 2022-01-06
[41] 2022-07-08
[30] US (17/144,487) 2021-01-08

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[54] **MULTI-PIECE TUNNEL FOR A SNOW VEHICLE**
[54] **TUNNEL MULTIPIECE POUR UN VEHICULE A NEIGE**
[72] STOCK, JACOB L., US
[72] STENLUND, TIMOTHY W., US
[72] CHRISTIAN, DAVID W., US
[72] PIRCON, JOHN B., US
[72] HEDLUND, MICHAEL A., US
[72] PRUSAK, MATTHEW J., US
[72] KOFSTAD, CODY S., US
[71] POLARIS INDUSTRIES INC., US
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[25] EN
[54] **MECHANICAL SUPPORT FOR IMPROVED MEMBRANE PERFORMANCE AND RELIABILITY**
[54] **SUPPORT MECANIQUE POUR L'AMELIORATION DU RENDEMENT ET DE LA FIABILITE DE MEMBRANE**
[72] SNODGRASS, MICHAEL JOHN, US
[71] OVIVO INC., CA
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[41] 2022-07-08
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[25] EN
[54] **AIR PURIFIER FOR STOPPING THE AIRBORNE TRANSMISSION OF COVID-19**
[54] **PURIFICATEUR D'AIR POUR ARRETER LA TRANSMISSION AERIENNE DE LA COVID-19**
[72] ZHANG, PAUL, CA
[71] ZHANG, PAUL, CA
[22] 2022-01-16
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[25] EN
[54] **TWO-PASSAGE EXHAUST SYSTEM FOR AN ENGINE**
[54] **SYSTEME D'ECHAPPEMENT A DEUX VOIES POUR UN MOTEUR**
[72] BRYANT, WILLIAM J., US
[72] ZIMNEY, DEREK D., US
[72] MORISON, ANGUS M., US
[72] ROSS, COLTON, US
[72] LIBERTY, ROSS, US
[72] SALFER, LUCAS R., US
[72] TRIHEY, SEAN M., US
[72] HEDLUND, DARREN J., US
[72] BUCHWITZ, JAMES H., US
[71] POLARIS INDUSTRIES INC., US
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[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING A TURBOCHARGED TWO STROKE ENGINE BASED ON BOOST ERROR**
[54] **METHODE ET SYSTEME POUR LE CONTROLE D'UN MOTEUR A DEUX TEMPS SURALIMENTE FONDE SUR UNE ERREUR DE SURALIMENTATION**
[72] BLAKE, DALLAS J., US
[72] BUCHWITZ, JAMES H., US
[72] SALFER, LUCAS R., US
[72] HEDLUND, DARREN J., US
[72] HANSON, REED A., US
[72] GAUSEN, ERIC L., US
[71] POLARIS INDUSTIRES INC., US
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[54] **BEAM CONTROL FOR REPETITIONS**
[54] **CONTROLE DE FAISCEAU POUR LES REPETITIONS**
[72] CIRIK, ALI CAGATAY, US
[72] YI, YUNJUNG, US
[72] DINAN, ESMAEL HEJAZI, US
[72] ZHOU, HUA, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
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[41] 2022-07-08
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[54] **VEHICLE CREEPER**
[54] **CHARIOT DE VISITE POUR VEHICULE**
[72] POITRAS, CRAIG, CA
[71] POITRAS, CRAIG, CA
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[25] EN
[54] **GRAVITY DRAINAGE OF HYDROCARBONS BY STEAM AND SOLVENT INJECTIONS WITH REDUCED ENERGY USAGE**
[54] **DRAINAGE PAR GRAVITE D'HYDROCARBURES A L'AIDE D'INJECTIONS DE VAPEUR ET DE SOLVANT DE MANIERE ECOENERGETIQUE**
[72] BOONE, THOMAS JAMES, CA
[71] T.J. BOONE GEOTECHNICAL AND RESERVOIR CONSULTING LTD., CA
[22] 2022-04-19
[41] 2022-07-05

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[51] **Int.Cl. B64C 27/58 (2006.01)**
[25] FR
[54] **ELECTROMECHANICAL SERVOCONTROL, CYCLE PLATEAU SYSTEM WITH AT LEAST FOUR ELECTROMECHANICAL SERVOCONTROLS AND ROTORCRAFT**
[54] **SERVOCOMMANDE ELECTROMECANIQUE, SYSTEME A PLATEAU CYCLIQUE AYANT AU MOINS QUATRE SERVOCOMMANDES ELECTROMECANIQUES ET GIRAVION**
[72] RUET, LAURENT, FR
[71] AIRBUS HELICOPTERS, FR
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[41] 2022-07-07
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[54] **SYSTEMS AND METHODS OF IMAGE ACQUISITION**
[54] **SYSTEMES ET PROCEDES D'ACQUISITION D'IMAGES**
[72] YACOBY, EREZ, IL
[71] ISRAEL AEROSPACE INDUSTRIES LTD., IL
[85] 2022-05-10
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[25] EN
[54] **USE OF ALGINATES OLIGOMERS TO IMPROVE PLANT PROTECTION AGAINST PATHOGENS**
[54] **UTILISATION D'OLIGOMERES D'ALGINATES POUR AMELIORER LA PROTECTION DES PLANTES CONTRE LES PATHOGENES**
[72] POINSSOT, BENOIT, FR
[72] HELOIR, MARIE-CLAIRE, FR
[72] DAIRE, XAVIER, FR
[72] DARBLADE, BENOIT, FR
[72] LEMAITRE-GUILLIER, CHRISTELLE, FR
[71] UNIVERSITE DE BOURGOGNE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, FR
[71] ELICITYL, FR
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[25] FR
[54] **AUTONOMOUS ROBOT**
[54] **ROBOT AUTONOME**
[72] RAYMOND, GUILLEMIN, FR
[72] GUITTON, WILLIAM, FR
[71] MEROPY, FR
[85] 2022-05-12
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[25] FR
[54] **METHOD FOR EVALUATING AN ASSEMBLY BY WELDING OF PARTS MADE OF THERMOPLASTIC MATERIALS**
[54] **PROCEDE D'EVALUATION D'UN ASSEMBLAGE PAR SOUDAGE DE PIECES A BASE DE MATERIAUX THERMOPLASTIQUES**
[72] PHILIPPE, AURELIEN, FR
[72] KLEIN, PHILIPPE, FR
[72] GLOTIN, MICHEL, FR
[71] ARKEMA FRANCE, FR
[71] INSTITUT DE SOUDURE, FR
[85] 2022-05-12
[86] 2020-11-25 (PCT/FR2020/052175)
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[25] EN
[54] **MAIN GIRDER OF BRIDGE CRANE**
[54] **POUTRE PRINCIPALE DE PONT ROULANT**
[72] PEIPPO, JUHA, FI
[72] KONTIO, ANTTI, FI
[71] KONECRANES GLOBAL CORPORATION, FI
[85] 2022-05-13
[86] 2020-11-25 (PCT/FI2020/050795)
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[51] **Int.Cl. E03D 9/00 (2006.01) E03D 11/02 (2006.01) E03D 13/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS RELATED TO FLUID SPLASH CONTAINMENT**
[54] **SYSTEMES ET PROCEDES ASSOCIES AU CONFINEMENT D'ECLABOUSSURES DE FLUIDE**
[72] NELSON, TRENT R., US
[72] GALSTER, GARET K., US
[71] TBK PRODUCTS LLC, US
[85] 2022-05-13
[86] 2020-11-04 (PCT/US2020/058821)
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[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/00 (2006.01) A61M 5/42 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR STANDARDIZING SITE ASSESSMENT OF CATHETER INSERTION SITE**
[54] **DISPOSITIF ET PROCEDE POUR NORMALISER L'EVALUATION DE SITE D'UN SITE D'INSERTION DE CATHETER**
[72] ROTHENBERG, ASHLEY RACHEL, US
[72] WITT, ERIK KURT, US
[72] SUBRAMANIAM, ANANT, US
[72] ISAACSON, S. RAY, US
[72] SULLIVAN, VINCENT J., US
[72] POWELL, KENNETH G., US
[72] SHERMER, CHARLES D., US
[72] TOMPKINS, BRENDAN, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-05-13
[86] 2020-11-20 (PCT/US2020/061476)
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[51] **Int.Cl. A23L 2/52 (2006.01) A23L 33/16 (2016.01) A23L 33/185 (2016.01) A23J 1/14 (2006.01) A23J 3/14 (2006.01) A23L 2/66 (2006.01) A61K 33/00 (2006.01) A61K 36/48 (2006.01)**
[25] EN
[54] **LIQUID FOOD COMPOSITION COMPRISING PEA OR FAVA BEAN PROTEINS AND IMPROVED MINERAL PROFILE FOR NUTRITION**
[54] **COMPOSITION ALIMENTAIRE LIQUIDE COMPRENANT DES PROTEINES DE POIS OU DE GOURGANE ET PROFIL MINERAL AMELIORE POUR LA NUTRITION**
[72] ITO, GOICHI, JP
[72] HORI, SAYAKA, JP
[72] SATO, AYANA, JP
[72] PENG, AIWEI, SG
[71] ROQUETTE FRERES, FR
[85] 2022-05-13
[86] 2020-11-26 (PCT/EP2020/083515)
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[30] EP (19306526.5) 2019-11-26

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[51] **Int.Cl. C07K 7/08 (2006.01) C07K 14/575 (2006.01)**
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[54] **CHROMOGRANIN A-DERIVED PEPTIDES AND USES THEREOF**
[54] **PEPTIDES DERIVES DE LA CHROMOGRANINE A ET LEURS UTILISATIONS ASSOCIEES**
[72] CURNIS, FLAVIO, IT
[72] CORTI, ANGELO, IT
[72] MUSCO, GIOVANNA, IT
[72] GHITTI, MICHELA, IT
[72] NARDELLI, FRANCESCA, IT
[72] GORI, ALESSANDRO, IT
[71] OSPEDALE SAN RAFFAELE S.R.L., IT
[85] 2022-05-13
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[51] **Int.Cl. A61K 31/47 (2006.01) A61P 31/14 (2006.01) C07D 217/12 (2006.01) C07D 217/16 (2006.01)**
[25] EN
[54] **SMALL MOLECULES POLYMERASE INHIBITORS**
[54] **INHIBITEURS DE POLYMERASE A PETITES MOLECULES**
[72] COX, ROBERT, US
[72] PLEMPER, RICHARD, US
[72] LEE, BENHUR, US
[71] GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
[71] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
[85] 2022-05-13
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[13] A1
[51] **Int.Cl. H01R 13/719 (2011.01)**
[25] EN
[54] **DIFFERENTIAL PAIR MODULE, CONNECTOR, COMMUNICATIONS DEVICE, AND SHIELDING ASSEMBLY**
[54] **MODULE DE PAIRE DIFFERENTIELLE, CONNECTEUR, DISPOSITIF DE COMMUNICATION ET ENSEMBLE DE BLINDAGE**
[72] WANG, ZEWEN, CN
[72] CHEN, JUN, CN
[72] XIONG, WANG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-05-13
[86] 2020-05-30 (PCT/CN2020/093573)
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[51] **Int.Cl. E21B 47/125 (2012.01) E21B 17/02 (2006.01) E21B 41/00 (2006.01) E21B 47/18 (2012.01)**
[25] EN
[54] **TELEMETRY SYSTEM COMBINING TWO TELEMETRY METHODS**
[54] **SYSTEME DE TELEMESURE COMBINANT DEUX PROCEDES DE TELEMESURE**
[72] MACPHERSON, JOHN, DE
[72] HAWTHORN, ANDREW, US
[72] FANG, LEI, US
[72] VAN ZELM, JOHN-PETER, CA
[72] PETERS, VOLKER, DE
[72] PETER, ANDREAS, DE
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-05-13
[86] 2020-11-23 (PCT/US2020/061836)
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[54] **REMOTE DEVICE TELEMETRY AND COMMUNICATION**
[54] **TELEMESURE ET COMMUNICATION AVEC UN DISPOSITIF A DISTANCE**
[72] PUNDOLE, FARAIDOON, US
[71] PUNDOLE, FARAIDOON, US
[85] 2022-05-13
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[87] (WO2021/108762)
[30] US (62/941,011) 2019-11-27
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[51] **Int.Cl. E21B 47/00 (2012.01) G01N 24/08 (2006.01) G01R 33/32 (2006.01) G01V 3/18 (2006.01) G01V 5/04 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR THE MEASUREMENT OF ORE IN MINE ORE BENCHES**
[54] **APPAREIL POUR LA MESURE DE MINERAI DANS DES BANCS DE MINERAI DE MINE**
[72] MILJAK, DAVID, AU
[72] YONG, RICHARD, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[85] 2022-05-13
[86] 2020-12-23 (PCT/AU2020/051420)
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[30] AU (2019904928) 2019-12-24

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[13] A1
[51] **Int.Cl. F16L 17/04 (2006.01) F16L 21/06 (2006.01)**
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[54] **SHROUDED COUPLING**
[54] **RACCORD RENFORCE**
[72] FLECK, MICHAEL, US
[72] MADARA, SCOTT D., US
[72] BOWMAN, MATTHEW A., US
[71] VICTAULIC COMPANY, US
[85] 2022-05-13
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[30] US (62/935,785) 2019-11-15

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[51] **Int.Cl. C07K 7/08 (2006.01) A61K 38/04 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **NANOPARTICLE-LIKE DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION DE TYPE NANOPARTICULAIRE**
[72] EL-ANDALOUSSI, SAMIR, SE
[72] LEHTO, TAAVI, SE
[72] SMITH, EDVARD, SE
[72] SILLARD, RANNAR, SE
[72] EZZAT, KARIEM, SE
[71] EVOX THERAPEUTICS LTD, GB
[85] 2022-05-13
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[30] GB (1916884.8) 2019-11-20

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[51] **Int.Cl. A61K 31/40 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **METHODS OF TREATING LSD1-RELATED DISEASES AND DISORDERS WITH LSD1 INHIBITORS**
[54] **PROCEDES DE TRAITEMENT DE MALADIES ET DE TROUBLES ASSOCIES A LSD1 AVEC DES INHIBITEURS DE LSD1**
[72] YAMADA, MASAKI, JP
[72] KEER, HAROLD, US
[72] HITOTSUMACHI, HIROKO, JP
[72] MACHIDA, TAKUMITSU, JP
[72] OGANESIAN, ARAM, US
[71] TAIHO PHARMACEUTICAL CO., LTD., JP
[71] ASTEX PHARMACEUTICALS, INC., US
[85] 2022-05-13
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[30] US (62/934,923) 2019-11-13

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[13] A1
[51] **Int.Cl. G01R 19/00 (2006.01) G01R 35/00 (2006.01) G01R 31/387 (2019.01)**
[25] EN
[54] **CURRENT MEASURING SYSTEM**
[54] **SYSTEME DE MESURE DE COURANT**
[72] ABDELSAMIE, AHMED, CA
[72] BORODINAS, VIKTORAS, CA
[72] BRADSHAW, BRENDEN JACKSON, CA
[72] IZDEBSKA, KATARZYNA, CA
[71] ONTARIO POWER GENERATION INC., CA
[85] 2022-05-13
[86] 2020-11-13 (PCT/CA2020/051552)
[87] (WO2021/092697)
[30] US (62/935,798) 2019-11-15

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[13] A1
[51] **Int.Cl. G16H 50/50 (2018.01) G16C 20/60 (2019.01) G01N 33/569 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR ENHANCED VIRTUAL CROSSMATCHING USING PHYSICAL-CROSSMATCH-OUTCOME-DATA-DERIVED MODEL**
[54] **PROCEDES, SYSTEMES ET SUPPORTS LISIBLES PAR ORDINATEUR DE COMPATIBILITE CROISEE VIRTUELLE AMELIOREE AU MOYEN D'UN MODELE DERIVE DE DONNEES DE RESULTAT DE COMPATIBILITE CROISEE PHYSIQU**
[72] WEIMER, ERIC T., US
[72] NEWHALL, KATHERINE A., US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2022-05-13
[86] 2020-11-13 (PCT/US2020/060461)
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[30] US (62/934,663) 2019-11-13

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[51] **Int.Cl. B60L 53/18 (2019.01) B60L 53/31 (2019.01) B65H 75/44 (2006.01)**
[25] EN
[54] **CHARGE CABLE MANAGEMENT SYSTEM AND METHOD FOR RETRACTING A CHARGE CABLE**
[54] **SYSTEME DE GESTION DE CABLE DE CHARGE ET PROCEDE DE RETRACTION D'UN CABLE DE CHARGE**
[72] DIEMER, WIJNAND EDUARD, NL
[72] DE RIJK, FRANK RONALD JOHANNES, NL
[72] SCHUUR, THEODOOR JACOBUS ROBERT, NL
[72] KREIJNE, BARRY CORNELLS GERARDUS, NL
[72] BIERMANN, ERIC, NL
[71] EVBOX INTELLIGENCE B.V, NL
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[13] A1
[51] **Int.Cl. A01K 61/85 (2017.01)**
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[54] **AQUARIUM FEEDING MACHINE WITH FOOD CARTRIDGE SYSTEM AND METHODS**
[54] **MACHINE D'ALIMENTATION D'AQUARIUM A SYSTEME DE CARTOUCHE D'ALIMENT ET PROCEDES**
[72] WALLMEIER, BERND, US
[71] SPECTRUM BRANDS, INC., US
[85] 2022-05-13
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[87] (WO2021/097282)
[30] US (62/935,893) 2019-11-15

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[13] A1
[51] **Int.Cl. B65D 6/06 (2006.01) B65D 50/06 (2006.01)**
[25] EN
[54] **SAFETY BOX CAPABLE OF PREVENTING OPENING BY INFANT AND OPENING METHOD**
[54] **BOITE DE SECURITE PERMETTANT D'EMPECHER L'OUVERTURE PAR UN NOURRISSON ET PROCEDE D'OUVERTURE**
[72] LI, JINMENG, CN
[72] LIU, ZHIJIA, CN
[72] TONG, JI, CN
[71] BE GREEN PACKAGING CO., LTD., CN
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[86] 2020-10-30 (PCT/CN2020/125179)
[87] (WO2021/093605)
[30] CN (201911116012.X) 2019-11-15
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[51] **Int.Cl. B22D 11/10 (2006.01) B22D 41/32 (2006.01) C04B 35/103 (2006.01) C04B 35/106 (2006.01)**
[25] EN
[54] **REFRACTORY PRODUCT**
[54] **MATERIAU REFRACTAIRE**
[72] TAKAMI, KOUHEI, JP
[72] MORIKAWA, KATSUMI, JP
[72] MATSUMOTO, SHIGEFUMI, JP
[71] KROSAKIHARIMA CORPORATION, JP
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[87] (WO2021/117742)
[30] JP (2019-223106) 2019-12-10

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[13] A1
[51] **Int.Cl. H04R 3/02 (2006.01) H04R 3/00 (2006.01)**
[25] FR
[54] **DEVICE FOR GENERATING A CONTROL SIGNAL FOR AN ELECTRICAL SYSTEM**
[54] **DISPOSITIF DE GENERATION D'UN SIGNAL DE COMMANDE D'UN SYSTEME ELECTRIQUE**
[72] HELIE, THOMAS, FR
[72] LEBRUN, TRISTAN, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSTITUT DE RECHERCHE ET DE COORDINATION ACOUSTIQUE/MUSIQUE, FR
[71] SORBONNE UNIVERSITE, FR
[85] 2022-05-13
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[87] (WO2021/099509)
[30] FR (FR1913122) 2019-11-22

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[51] **Int.Cl. H02J 3/26 (2006.01) H01F 27/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BALANCING UNBALANCED POWER CABLES**
[54] **SYSTEMES ET PROCEDES D'EQUILIBRAGE DE CABLES D'ALIMENTATION NON EQUILIBRES**
[72] CRANE, MITCHELL LEE, US
[72] KREMEIER, STARK, US
[72] MCCOY, ROBERT, US
[71] EXTRACT MANAGEMENT COMPANY, LLC, US
[85] 2022-05-13
[86] 2020-11-12 (PCT/US2020/060250)
[87] (WO2021/097099)
[30] US (62/934,734) 2019-11-13

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[51] **Int.Cl. B25F 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A COMMUNICATIONS MODULE FOR A POWER TOOL SYSTEM**
[54] **SYSTEMES ET PROCEDES DE MODULE DE COMMUNICATION POUR UN SYSTEME D'OUTIL ELECTRIQUE**
[72] BOHM, BENJAMIN, DE
[72] SPIEGLER, MARTIN, DE
[72] ESQUIUS-SERRA, MARC, AT
[72] PAWAR, DHEERENDRA, DE
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2022-05-13
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[87] (WO2021/110460)
[30] US (62/943,541) 2019-12-04

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[13] A1
[51] **Int.Cl. B81C 1/00 (2006.01) A61B 5/00 (2006.01) A61N 1/05 (2006.01) B81B 1/00 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **3D MICROELECTRODE ARRAY (MEA) FOR OPTICAL AND ELECTRICAL PROBING OF ELECTROGENIC CELLS**
[54] **RESEAU DE MICROELECTRODES 3D (MEA) POUR SONDAGE OPTIQUE ET ELECTRIQUE DE CELLULES ELECTROGENES**
[72] RAJARAMAN, SWAMINATHAN, US
[72] DIDIER, CHARLES M., US
[72] KUNDU, AVRA, US
[72] CURLEY, LOWRY, US
[72] MOORE, MICHAEL J., US
[72] NGUYEN, HIEU, US
[72] ROUNTREE, COREY, US
[71] UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., US
[71] AXOSIM, INC., US
[85] 2022-05-13
[86] 2020-11-16 (PCT/US2020/060779)
[87] (WO2021/097447)
[30] US (62/935,987) 2019-11-15
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[51] **Int.Cl. A61F 2/28 (2006.01) A61F 2/30 (2006.01) A61F 2/32 (2006.01) A61F 2/38 (2006.01) A61F 2/42 (2006.01) A61F 2/44 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **PIEZOELECTRIC COATED IMPLANTS AND METHODS OF USING PIEZOELECTRIC COATED IMPLANTS TO REPAIR BONE STRUCTURES**
[54] **IMPLANTS REVETUS PIEZOELECTRIQUES ET PROCEDES D'UTILISATION D'IMPLANTS REVETUS PIEZOELECTRIQUES POUR REPARER DES STRUCTURES OSSEUSES**
[72] HUNT, JESSEE, US
[72] CARMODY, CAMERON N., US
[72] GANEY, TIMOTHY, US
[71] 4WEB, INC., US
[85] 2022-05-13
[86] 2020-11-16 (PCT/US2020/060759)
[87] (WO2021/097438)
[30] US (62/935,952) 2019-11-15

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[13] A1
[51] **Int.Cl. B05B 1/08 (2006.01) B05B 1/26 (2006.01)**
[25] EN
[54] **FLUIDIC OSCILLATOR DEVICE WITH ATOMIZED OUTPUT**
[54] **DISPOSITIF D'OSCILLATEUR FLUIDIQUE A SORTIE ATOMISEE**
[72] TOMAC, MEHMET, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2022-05-13
[86] 2019-11-14 (PCT/US2019/061506)
[87] (WO2021/096516)

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[13] A1
[51] **Int.Cl. A24F 40/49 (2020.01) B65D 50/04 (2006.01)**
[25] EN
[54] **VAPORIZER APPARATUS WITH CHILD RESISTANT DEVICE**
[54] **APPAREIL VAPORISATEUR DOTE D'UN DISPOSITIF DE SECURITE POUR ENFANTS**
[72] STROUD, TULLY, US
[72] WU, JEFF, US
[71] CLEAR IP LLC, US
[85] 2022-05-13
[86] 2020-11-13 (PCT/US2020/060544)
[87] (WO2021/097312)
[30] US (62/936,136) 2019-11-15
[30] US (63/082,397) 2020-09-23

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[13] A1
[51] **Int.Cl. A61K 31/4035 (2006.01) A61P 35/00 (2006.01) C07D 249/08 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF SOLID TUMORS USING F16 ISOINDOLE SMALL MOLECULES**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DE TUMEURS SOLIDES A L'AIDE DE PETITES MOLECULES DE ISOINDOLE F16**
[72] RATHINAVELU, APPU, US
[72] VENKATESAN, THIAGARAJAN, US
[72] DAS, JAYANTA K., US
[72] ALGAHTANI, MOHAMMAD MANSOUR S., US
[71] NOVA SOUTHEASTERN UNIVERSITY, US
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[87] (WO2021/097317)
[30] US (62/935,448) 2019-11-14

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[51] **Int.Cl. H04W 12/069 (2021.01) H04L 9/32 (2006.01)**
[25] EN
[54] **TRANSMISSION OF SECURE INFORMATION IN A CONTENT DISTRIBUTION NETWORK**
[54] **TRANSMISSION D'INFORMATIONS SECURISEES DANS UN RESEAU DE DISTRIBUTION DE CONTENU**
[72] QIU, XIN, US
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-05-13
[86] 2020-11-19 (PCT/US2020/061339)
[87] (WO2021/102172)
[30] US (62/937,768) 2019-11-19

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[51] **Int.Cl. F23B 60/02 (2006.01) F23L 13/00 (2006.01) F23N 3/00 (2006.01) F23N 3/08 (2006.01) F23N 5/10 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CONTROLLING THE COMBUSTION IN FURNACE SYSTEMS**
[54] **PROCEDE ET DISPOSITIF DE REGLAGE DE LA COMBUSTION DANS DES INSTALLATIONS DE CHAUFFAGE**
[72] ALEYSA, MOHAMMADSHAYESH, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2022-05-13
[86] 2020-11-10 (PCT/EP2020/081593)
[87] (WO2021/094291)
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[51] **Int.Cl. C08F 2/34 (2006.01) B01J 8/00 (2006.01) B01J 8/24 (2006.01) B01J 8/44 (2006.01) C08F 10/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR PRODUCING POLYOLEFIN AND PROCESS FOR RECOVERING POLYMERIZATION PRODUCT FROM GAS PHASE REACTOR**
[54] **SYSTEME DE PRODUCTION DE POLYOLEFINE ET PROCEDE DE RECUPERATION DE PRODUIT DE POLYMERISATION A PARTIR D'UN REACTEUR EN PHASE GAZEUSE**
[72] LESKINEN, PAULI, FI
[72] ELOVAINIO, ERNO, FI
[72] KIVELA, JOUNI, FI
[72] NYFORS, KLAUS, FI
[72] KOKKO, TAPIO, FI
[71] BOREALIS AG, AT
[85] 2022-05-13
[86] 2020-12-03 (PCT/EP2020/084405)
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[30] EP (19214327.9) 2019-12-09

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/343 (2006.01) A61K 31/4965 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61K 31/5575 (2006.01) A61K 31/5578 (2006.01) A61K 45/06 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF PULMONARY VASCULAR DISEASE AND/OR CARDIAC DYSFUNCTION IN FONTAN-PALLIATED PATIENTS**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT D'UNE MALADIE VASCULAIRE PULMONAIRE ET/OU D'UN DYSFONCTIONNEMENT CARDIAQUE CHEZ DES PATIENTS AYANT SUBI UNE INTERVENTION DE FONTAN**
[72] CSONKA, DENES, CH
[72] FARES, WASSIM, US
[72] HOOGKAMER, HANS, CH
[72] TORFS, KOEN, BE
[71] ACTELION PHARMACEUTICALS LTD, CH
[85] 2022-05-13
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[87] (WO2021/105164)
[30] EP (PCT/EP2019/082586) 2019-11-26

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[51] **Int.Cl. B61K 9/10 (2006.01) G01N 29/265 (2006.01)**
[25] EN
[54] **ROLLING SEARCH UNIT FOR ULTRASONIC RAILROAD RAIL INSPECTION**
[54] **UNITE DE RECHERCHE DE ROULEMENT POUR UNE INSPECTION PAR ULTRASONS DE RAILS DE CHEMIN DE FER**
[72] KOCUR, JAN, US
[72] IORFINO, ANTHONY, US
[72] O'NEILL, JOHN JAMES, US
[71] SPERRY RAIL, INC., US
[85] 2022-05-13
[86] 2020-12-04 (PCT/US2020/063223)
[87] (WO2021/188167)
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[30] US (16/863,307) 2020-04-30

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[13] A1
[51] **Int.Cl. A61K 49/00 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **PH RESPONSIVE COMPOSITIONS, FORMULATIONS, AND METHODS OF IMAGING A TUMOR**
[54] **COMPOSITIONS SENSIBLES AU PH, FORMULATIONS ET METHODES POUR IMAGER UNE TUMEUR**
[72] ZHAO, TIAN, US
[72] JAYALAKSHMI, YALIA, US
[72] HALL, KEITH A., US
[72] MADAJEWSKI, BRIAN, US
[72] KAPLAN, HARGITA, US
[71] ONCONANO MEDICINE, INC., US
[85] 2022-05-13
[86] 2020-11-17 (PCT/US2020/060910)
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[30] US (62/937,141) 2019-11-18

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[13] A1
[51] **Int.Cl. B64D 43/00 (2006.01) B64F 1/00 (2006.01) B64F 1/22 (2006.01)**
[25] EN
[54] **INTEGRATED ROOFING ACCESSORIES FOR UNMANNED VEHICLE NAVIGATION AND METHODS AND SYSTEMS INCLUDING THE SAME**
[54]
[72] ROBINSON, RICH, US
[72] RILEY, XAVIER, US
[71] BMIC LLC, US
[85] 2022-05-13
[86] 2020-11-16 (PCT/US2020/060761)
[87] (WO2021/097439)
[30] US (62/935,974) 2019-11-15

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[13] A1
[51] **Int.Cl. H04W 52/02 (2009.01) H04W 72/04 (2009.01) H04W 72/12 (2009.01) H04W 84/12 (2009.01) H04W 88/08 (2009.01)**
[25] EN
[54] **WIRELESS DEVICE POWER OPTIMIZATION UTILIZING ARTIFICIAL INTELLIGENCE AND/OR MACHINE LEARNING**
[54] **OPTIMISATION DE LA PUISSANCE D'UN DISPOSITIF SANS FIL UTILISANT UNE INTELLIGENCE ARTIFICIELLE ET/OU UN APPRENTISSAGE AUTOMATIQUE**
[72] KINCAID, RYAN C., US
[72] VENKATESWARAN, SRIKANTH, US
[72] PROSTKO, ROBERT, US
[71] SCHLAGE LOCK COMPANY LLC, US
[85] 2022-05-13
[86] 2020-11-13 (PCT/US2020/060484)
[87] (WO2021/097262)
[30] US (16/682,654) 2019-11-13

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[13] A1
[51] **Int.Cl. G02B 21/36 (2006.01)**
[25] EN
[54] **METHOD OF PROVIDING AN ASSEMBLED IMAGE USING A DIGITAL MICROSCOPE, DIGITAL MICROSCOPE SYSTEM, AND PROGRAM FOR PROVIDING AN ASSEMBLED IMAGE USING A DIGITAL MICROSCOPE**
[54] **PROCEDE DE FOURNITURE D'UNE IMAGE ASSEMBLEE A L'AIDE D'UN MICROSCOPE NUMERIQUE, SYSTEME DE MICROSCOPE NUMERIQUE ET PROGRAMME POUR FOURNIR UNE IMAGE ASSEMBLEE A L'AIDE D'UN MICROSCOPE NUMERIQU**
[72] WILDNER, LUDWIG, DE
[72] SCHMID, ANDREAS, DE
[71] PRECIPOINT GMBH, DE
[85] 2022-05-13
[86] 2020-11-13 (PCT/EP2020/082067)
[87] (WO2021/094542)
[30] EP (19209393.8) 2019-11-15

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[13] A1
[51] **Int.Cl. G01F 1/84 (2006.01) G01F 15/18 (2006.01)**
[25] EN
[54] **FIXING DEVICE FOR FLOWMETER COMPONENT**
[54] **DISPOSITIF DE FIXATION POUR COMPOSANT DE DEBITMETRE**
[72] MA, CHUNLI, CN
[72] FANG, WEIJIA, CN
[72] WANG, TAO, CN
[71] WALSN MEASUREMENT AND CONTROL TECHNOLOGY (HEBEI) CO., LTD., CN
[71] WALSN ENTERPRISES LTD., CA
[85] 2022-05-13
[86] 2020-08-31 (PCT/CN2020/112402)
[87] (WO2021/098334)
[30] CN (201911148029.3) 2019-11-21

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[13] A1
[51] **Int.Cl. G06F 30/10 (2020.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR HYBRID MODELING USING GEOMETRIC FACETS**
[54] **PROCEDE ET SYSTEME DE MODELISATION HYBRIDE UTILISANT DES FACETTES GEOMETRIQUES**
[72] CAO, SHANGWEN, CA
[71] CAO, SHANGWEN, CA
[85] 2022-05-15
[86] 2020-09-08 (PCT/CA2020/051207)
[87] (WO2021/102553)
[30] US (16/695,305) 2019-11-26

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7125 (2006.01) A61K 38/50 (2006.01) A61K 48/00 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **ANTISENSE OLIGONUCLEOTIDES FOR NUCLEOTIDE DEAMINATION IN THE TREATMENT OF STARGARDT DISEASE**
[54] **OLIGONUCLEOTIDES ANTISENS POUR LA DESAMINATION DE NUCLEOTIDES DANS LE TRAITEMENT D'UNE MALADIE DE STARGARDT**
[72] SWILDENS, JIM, NL
[72] VAN SINT FIET, LENKA, NL
[72] HOOGEBOOM, TESS, NL
[72] HAAST, SASKIA JACOBA PETRONELLA, NL
[71] PROQR THERAPEUTICS II B.V., NL
[85] 2022-05-16
[86] 2020-12-23 (PCT/EP2020/087767)
[87] (WO2021/130313)
[30] EP (19219283.9) 2019-12-23

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/496 (2006.01) A61K 31/519 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATIONS OF DGK INHIBITORS AND CHECKPOINT ANTAGONISTS**
[54] **COMBINAISONS D'INHIBITEURS DE DGK ET D'ANTAGONISTES DE POINTS DE CONTROLE**
[72] WEE, SUSAN, US
[72] BENCI, JOSEPH L., US
[72] WANG, XINYU, US
[72] VELAPARTHI, UPENDER, US
[72] CHUPAK, LOUIS S., US
[72] DARNE, CHETAN P., US
[72] DING, MIN, US
[72] GENTLES, ROBERT G., US
[72] HUANG, YAZHONG, US
[72] MARTIN, SCOTT W., US
[72] MCDONALD, IVAR M., US
[72] OLSON, RICHARD E., US
[72] ZHENG, XIAOFAN, US
[72] TOKARSKI, JOHN S., US
[72] DASGUPTA, BIRESHWAR, US
[72] KAMBLE, MANJUNATHA NARAYANA RAO, IN
[72] MANNOORI, RAJU, IN
[72] RAHAMAN, HASIBUR, IN
[72] JALAGAM, PRASADA RAO, IN
[72] ROY, SAUMYA, IN
[72] TONUKUNURU, GOPIKISHAN, IN
[72] VELAIAH, SIVASUDAR, IN
[72] WARRIER, JAYAKUMAR SANKARA, IN
[72] REDDY, KOTHA RATHNAKAR, IN
[72] RAJA, THIRUVENKADAM, IN
[72] GRUNENFELDER, DENISE, US
[72] WICHROSKI, MICHAEL J., US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2022-05-16
[86] 2020-12-18 (PCT/US2020/066198)
[87] (WO2021/127554)
[30] US (62/950,570) 2019-12-19

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/15 (2006.01) A61P 31/14 (2006.01) C07K 14/14 (2006.01)**
[25] EN
[54] **INACTIVATED PISCINE ORTHOREOVIRUS VACCINE**
[54] **VACCIN INACTIVE A BASE D'ORTHOREOVIRUS PISCIAIRE**
[72] BIJLSMA, JOHANNA JACOBA ELISABETH, NL
[72] LEININGER, SVEN, NO
[72] VILLOING, STEPHANE, NO
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2022-05-16
[86] 2020-12-15 (PCT/EP2020/086086)
[87] (WO2021/122507)
[30] EP (19216504.1) 2019-12-16

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[13] A1
[51] **Int.Cl. A61K 31/517 (2006.01) A61P 35/00 (2006.01) C07D 239/90 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **NEW BRAF INHIBITORS AS PARADOX BREAKERS**
[54] **NOUVEAUX INHIBITEURS DE BRAF EN TANT QUE "PARADOX BREAKERS"**
[72] DOLENTE, COSIMO, CH
[72] HEWINGS, DAVID STEPHEN, CH
[72] HUNZIKER, DANIEL, CH
[72] KRUMMENACHER, DANIELA, CH
[72] PETTAZZONI, PIERGIORGIO FRANCESCO TOMMASO, CH
[72] WICHMANN, JUERGEN, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-05-16
[86] 2020-12-08 (PCT/EP2020/084969)
[87] (WO2021/116050)
[30] EP (19214867.4) 2019-12-10

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[13] A1
[51] **Int.Cl. A47J 36/02 (2006.01) A47J 37/10 (2006.01)**
[25] FR
[54] **COOKING DEVICE COMPRISING A MULTI-LAYER DIFFUSER BASE**
[54] **DISPOSITIF DE CUISSON COMPORTANT UN FOND DIFFUSEUR MULTICOUCHES**
[72] RUBIO, MARTIN, FR
[71] CIPO, CA
[71] SEB S.A., FR
[85] 2022-05-16
[86] 2020-12-08 (PCT/EP2020/085135)
[87] (WO2021/116127)
[30] FR (FR1914099) 2019-12-10

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[51] **Int.Cl. E21B 43/26 (2006.01)**
[25] EN
[54] **ELECTRICALLY ACTUATED VALVES FOR MANIFOLD TRAILERS OR SKIDS**
[54] **VANNES A COMMANDE ELECTRIQUE POUR PATINS OU REMORQUES DE COLLECTEUR**
[72] BRUNTY, JEREMY, US
[72] WRIGHT, JEREMIAH LUKE, US
[72] CHRISTINZIO, ALEXANDER, US
[72] HINDERLITER, BRANDON, US
[72] ROBINSON, LON, US
[72] OEHRING, JARED, US
[72] ALBERT, ARDEN, US
[72] WATSON, JOSHUA, US
[71] U.S. WELL SERVICES, LLC, US
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[51] **Int.Cl. G06T 7/50 (2017.01) A61B 3/117 (2006.01)**
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[54] **SYSTEM AND METHOD FOR OBTAINING PROFILE OF EYE LENS CAPSULE**
[54] **SYSTEME ET PROCEDE D'OBTENTION D'UN PROFIL DE CAPSULE DE LENTILLE OCULAIRE**
[72] MISSEL, PAUL, US
[71] ALCON INC., CH
[85] 2022-05-16
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[25] EN
[54] **PROCESS FOR THE PURIFICATION OF LITHIUM SALTS**
[54] **PROCEDE DE PURIFICATION DE SELS DE LITHIUM**
[72] ROHDE, WOLFGANG, DE
[72] VOGELSANG, REGINA, DE
[72] SCHIERLE-ARNDT, KERSTIN, DE
[72] VOGES, MATTHIAS, DE
[72] GERKE, BIRGIT, DE
[72] ZIESCHANG, ANNE-MARIE CAROLINE, DE
[72] RAULS, MATTHIAS, DE
[71] BASF SE, DE
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[25] EN
[54] **DEVICE FOR DIFFUSING VOLATILE SUBSTANCES**
[54] **DISPOSITIF DE DIFFUSION DE SUBSTANCES VOLATILES**
[72] DEFLORIAN, STEFANO, IT
[72] SORDO, WALTER, IT
[72] GARCIA, RUBEN, ES
[71] ZOBELE HOLDING, S.P.A., IT
[85] 2022-05-16
[86] 2020-11-18 (PCT/EP2020/082525)
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[51] **Int.Cl. B65D 21/06 (2006.01) B65D 25/06 (2006.01) B65D 25/30 (2006.01)**
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[54] **STACKABLE AND NESTABLE CONTAINER**
[54] **CONTENANT EMPILABLE ET EMBOITABLE**
[72] REYNOLDS, THOMAS, GB
[72] BAKER, MARTIN, GB
[71] LOADHOG LIMITED, GB
[85] 2022-05-16
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[51] **Int.Cl. A61K 31/4402 (2006.01) A61K 31/444 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **INHIBITORS OF HISTONE DEMETHYLASES (PFI-63 AND PFI-90) FOR THE TREATMENT OF CANCER AND FOR THE INHIBITION OF HISTONE DEMETHYLASE IN CELLS**
[54] **INHIBITEURS D'HISTONES DEMETHYLASES (PFI-63 ET PFI-90) POUR LE TRAITEMENT DU CANCER ET POUR L'INHIBITION DE L'HISTONE DEMETHYLASE DANS DES CELLULES**
[72] KHAN, JAVED, US
[72] HAWLEY, ROBERT G., US
[72] WOLDEMICHAEL, GIRMA M., US
[72] PEACH, MEGAN L., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
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[51] **Int.Cl. A61K 9/51 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **POLYMER-ENCAPSULATED VIRAL VECTORS FOR IN VIVO GENETIC THERAPY**
[54] **VECTEURS VIRAUX ENCAPSULES DANS UN POLYMERE DE THERAPIE GENIQUE IN VIVO**
[72] MOURLANE, FREDERIC, FR
[72] SARRY, EMELINE, FR
[72] VAILLANT, RENAUD, FR
[72] BAUCHE, CECILE, FR
[72] BISHOP, PHILIPPE, US
[72] PACHERIE, RACHEL, FR
[71] IXAKA FRANCE, FR
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[25] EN
[54] **PROCESS FOR PRODUCING COPPER METAL FROM COPPER CONCENTRATES WITHOUT GENERATING WASTE**
[54] **PROCEDE DE PRODUCTION DE CUIVRE METALLIQUE A PARTIR DE CONCENTRES DE CUIVRE SANS GENERATION DE RESIDUS**
[72] WILKOMIRSKY FUICA, IGOR, CL
[72] PARADA LUNA, FERNANDO ANTONIO, CL
[72] BALLADARES VARELA, EDUARDO, CL
[72] PARRA FIGUEROA, ROBERTO, CL
[71] UNIVERSIDAD DE CONCEPCION, CL
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[51] **Int.Cl. B01D 53/04 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND PROCESSES FOR HEAVY HYDROCARBON REMOVAL**
[54] **SYSTEMES ET PROCEDES D'ELIMINATION D'HYDROCARBURES LOURDS**
[72] DOLAN, WILLIAM B., US
[72] TOMCZAK, MARK, US
[71] BASF CORPORATION, US
[85] 2022-05-16
[86] 2020-11-12 (PCT/US2020/060172)
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[30] US (62/937,421) 2019-11-19

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[51] **Int.Cl. C09J 123/20 (2006.01) C08L 23/20 (2006.01)**
[25] EN
[54] **HOT MELT ADHESIVE COMPOSITION**
[54] **COMPOSITION ADHESIVE THERMOFUSIBLE**
[72] LAFERTE, OLIVIER, FR
[72] BELLINI, CLEMENT, FR
[72] DUPLAGA, URSZULA, FR
[71] BOSTIK SA, FR
[85] 2022-05-13
[86] 2020-12-17 (PCT/EP2020/086783)
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[51] **Int.Cl. A61K 39/00 (2006.01) A61P 25/28 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF USE OF ANTI-TREM2 ANTIBODIES**
[54] **PROCEDES D'UTILISATION D'ANTICORPS ANTI-TREM2**
[72] SCHWABE, TINA, US
[72] TASSI, ILARIA, US
[72] ROSENTHAL, ARNON, US
[72] LONG, HUA, US
[72] SALAZAR, SANTIAGO VIVEROS, US
[71] ALECTOR LLC, US
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[86] 2020-12-04 (PCT/US2020/063339)
[87] (WO2021/113655)
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[51] **Int.Cl. C07C 4/06 (2006.01) C01B 3/38 (2006.01) C07C 4/02 (2006.01) C10L 3/06 (2006.01) C10L 3/08 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONVERTING NON-METHANE HYDROCARBONS TO RECOVER HYDROGEN GAS AND/OR METHANE GAS THEREFROM**
[54] **PROCEDE ET SYSTEME DE CONVERSION D'HYDROCARBURES NON METHANIQUES POUR RECUPERER DU GAZ HYDROGENE ET/OU DU GAZ METHANE A PARTIR DE CEUX-CI**
[72] KENNON, ROBERT TERRY, US
[72] HOAGLAN, DEAN C., US
[72] JOHNSON, SCOTT V., US
[72] RAPIER, CHARLES ROBERT, US
[72] DELFIN, KAREN LIZETH, US
[71] PROTEUM ENERGY, LLC, US
[85] 2022-05-16
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[51] **Int.Cl. G06F 40/14 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SYNCHRONIZING GRAPHICAL DISPLAYS ACROSS THIN CLIENT DEVICES**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE SYNCHRONISER DES AFFICHEURS GRAPHIQUES SUR PLUSIEURS DISPOSITIFS CLIENTS LEGERS**
[72] NOYES, PETER, US
[72] ROTHBERG, JONATHAN, US
[71] BLUEBEAM, INC., US
[85] 2022-05-16
[86] 2020-11-11 (PCT/US2020/060031)
[87] (WO2021/096967)
[30] US (16/683,889) 2019-11-14

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[51] **Int.Cl. G02C 5/14 (2006.01) G02C 5/22 (2006.01) G02C 7/08 (2006.01)**
[25] EN
[54] **HINGE OF THE FLEX TYPE FOR EYEGLASSES**
[54] **CHARNIERE DE TYPE FLEXIBLE POUR LUNETTES**
[72] DAL PONT, MORENO, IT
[71] LUXOTTICA S.R.L., IT
[85] 2022-05-16
[86] 2020-12-22 (PCT/IB2020/062322)
[87] (WO2021/130666)
[30] IT (102019000025189) 2019-12-23
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[51] **Int.Cl. C23C 18/50 (2006.01)**
[25] EN
[54] **ELECTROLESS NICKEL ALLOY PLATING BATHS, A METHOD FOR DEPOSITION OF NICKEL ALLOYS, NICKEL ALLOY DEPOSITS AND USES OF SUCH FORMED NICKEL ALLOY DEPOSITS**
[54] **BAINS DE PLACAGE D'ALLIAGE DE NICKEL AUTOCATALYTIQUE, PROCEDE DE DEPOT D'ALLIAGES DE NICKEL, DEPOTS D'ALLIAGES DE NICKEL ET UTILISATIONS DESDITS DEPOTS D'ALLIAGES DE NICKEL FORMES**
[72] LANG, SEBASTIAN, DE
[71] ATOTECH DEUTSCHLAND GMBH & CO. KG, DE
[85] 2022-05-16
[86] 2020-11-19 (PCT/EP2020/082699)
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[30] EP (19210301.8) 2019-11-20

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[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **TETHER ASSEMBLY, AND CHILD SAFETY SEAT AND SUPPORT STRUCTURE THEREOF**
[54] **ENSEMBLE D'ATTACHE, ET SIEGE DE SECURITE POUR ENFANT ET STRUCTURE DE SUPPORT ASSOCIEE**
[72] GUO, ZHENGWEN, CN
[72] CUI, ZONGWANG, CN
[72] MO, XIAOLONG, CN
[72] LI, RUYI, CN
[72] ZHANG, KUN, CN
[72] LIU, ZUJIAN, CN
[72] CHEN, YINGZHONG, CN
[71] WONDERLAND SWITZERLAND AG, CH
[85] 2022-05-16
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[87] (WO2021/098710)
[30] CN (201911138004.5) 2019-11-18
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[51] **Int.Cl. B21B 41/02 (2006.01) B28C 5/02 (2006.01) B28C 7/02 (2006.01) B28C 7/04 (2006.01) B28C 7/16 (2006.01) C21C 5/44 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR BATCH PRODUCTION OF, AND CONTINUOUS APPLICATION OF, A REFRACTORY COMPOSITION TO A SURFACE**
[54] **PROCEDE ET APPAREIL POUR LA PRODUCTION PAR LOTS ET L'APPLICATION CONTINUE D'UNE COMPOSITION REFRACTAIRE SUR UNE SURFACE**
[72] MOHANTY, BEDADIBHAS, US
[72] SELF, DAVID R., US
[71] VESUVIUS U S A CORPORATION, US
[85] 2022-05-16
[86] 2020-12-04 (PCT/EP2020/084735)
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[30] EP (19214069.7) 2019-12-06

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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **HEAVY CHAIN ANTIBODIES BINDING TO CD38**
[54] **ANTICORPS A CHAINE LOURDE SE LIANT A CD38**
[72] DALVI, PRANJALI, US
[72] DANG, KEVIN, US
[72] VAN SCHOOTEN, WIM, US
[71] TENEOFOUR, INC., US
[85] 2022-05-16
[86] 2020-12-18 (PCT/US2020/066088)
[87] (WO2021/127489)
[30] US (62/949,699) 2019-12-18
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[51] **Int.Cl. E01H 5/06 (2006.01)**
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[54] **PIVOTING SNOWPLOW**
[54] **CHASSE-NEIGE PIVOTANT**
[72] COTE, JOCELYN, CA
[71] W. COTE ET FILS LTEE., CA
[85] 2022-05-16
[86] 2020-11-19 (PCT/CA2020/051580)
[87] (WO2021/097574)
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[51] **Int.Cl. G02C 13/00 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR PROVIDING AN EYEGLASSES FRAME**
[54] **PROCEDE ET SYSTEME DE FOURNITURE D'UNE MONTURE DE LUNETTES**
[72] AMIR, BRUNO, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2022-05-16
[86] 2021-01-12 (PCT/EP2021/050472)
[87] (WO2021/144256)
[30] EP (20305027.3) 2020-01-15

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[51] **Int.Cl. C07K 14/47 (2006.01) A61K 47/66 (2017.01) C07C 237/42 (2006.01) C07D 295/192 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **PEPTIDES, COMPOUNDS, COMPOSITIONS AND METHODS FOR INHIBITING SOX9 DIMERIZATION**
[54] **PEPTIDES, COMPOSES, COMPOSITIONS ET PROCEDES POUR INHIBER LA DIMERISATION DE SOX9**
[72] BROWN, ARTHUR, CA
[72] HRYCIW, TODD, CA
[72] DURST, TONY, CA
[72] THRELFALL, CLINTON, CA
[71] CRITICAL OUTCOME TECHNOLOGIES INC., CA
[71] BROWN, ARTHUR, CA
[85] 2022-05-16
[86] 2019-11-22 (PCT/CA2019/051677)
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[13] A1
[51] **Int.Cl. H04N 7/10 (2006.01)**
[25] EN
[54] **SWITCHED FILTER AMP CIRCUIT FOR SOFT DUPLEX CATV ARCHITECTURES**
[54] **CIRCUIT AMPLIFICATEUR A FILTRE COMMUTE POUR ARCHITECTURES DE TELEVISION PAR CABLE EN DUPLEX LOGICIEL**
[72] CLOONAN, THOMAS J., US
[72] AL-BANNA, AYHAM, US
[72] O'KEEFFE, FRANCIS JOSEPH, IE
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-05-16
[86] 2020-11-20 (PCT/US2020/061671)
[87] (WO2021/102371)
[30] US (62/938,810) 2019-11-21

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[51] **Int.Cl. A61K 31/4439 (2006.01) A61K 31/444 (2006.01)**
[25] EN
[54] **USE OF FAK INHIBITOR IN PREPARATION OF DRUG FOR TREATING TUMORS HAVING NRAS MUTATION**
[54]
[72] WANG, ZAIQI, CN
[72] ZHANG, JIANGWEI, CN
[72] JIANG, JUN, CN
[71] INXMED (NANJING) CO., LTD., CN
[85] 2022-05-16
[86] 2020-11-17 (PCT/CN2020/129350)
[87] (WO2021/098679)
[30] CN (201911128794.9) 2019-11-18

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[51] **Int.Cl. F01K 3/00 (2006.01) F01K 3/06 (2006.01) F01K 3/12 (2006.01) F01K 3/26 (2006.01) F01K 13/02 (2006.01) F01K 25/00 (2006.01)**
[25] EN
[54] **PUMPED HEAT ELECTRIC STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE ELECTRIQUE THERMIQUE PAR POMPAGE**
[72] BOLLINGER, BENJAMIN R., US
[72] GEVECI, MERT, US
[72] TRUONG, BAO H., US
[72] KARACA, ERHAN, US
[72] FREUND, SEBASTIAN W., US
[72] BRANTZEG, DAVID M., US
[72] UNDERWOOD, JAMES J., US
[72] BOWEN, JOHN S., US
[72] COLLINS, ROY T., US
[71] MALTA INC., US
[85] 2022-05-16
[86] 2020-11-16 (PCT/US2020/060700)
[87] (WO2021/097413)
[30] US (62/936,491) 2019-11-16
[30] US (63/113,386) 2020-11-13

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[13] A1
[51] **Int.Cl. H04L 12/28 (2006.01)**
[25] EN
[54] **METHOD TO SUPPORT REDUNDANCY SWITCHING OF VIRTUAL MAC CORES**
[54] **PROCEDE POUR PRENDRE EN CHARGE LA COMMUTATION DE REDONDANCE DE C?URS MAC VIRTUELS**
[72] CHARI, SANTHANA, US
[72] ORBAN, MIRCEA, CA
[72] VIRAG, DAVID E., US
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-05-16
[86] 2020-11-17 (PCT/US2020/060902)
[87] (WO2021/101898)
[30] US (62/937,322) 2019-11-19
[30] US (62/939,824) 2019-11-25

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[51] **Int.Cl. H04N 21/2383 (2011.01) H04N 21/2385 (2011.01) H04N 21/24 (2011.01) H04N 21/2662 (2011.01) H04N 21/2668 (2011.01) H04N 21/6405 (2011.01)**
[25] EN
[54] **ACTIVE VIDEO BANDWIDTH MANAGEMENT USING SDV CONTROL**
[54] **GESTION DE BANDE PASSANTE VIDEO ACTIVE A L'AIDE D'UNE COMMANDE SDV**
[72] HEIMAN, ROBERT S., US
[72] DU BREUIL, THOMAS L., US
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-05-16
[86] 2020-11-19 (PCT/US2020/061191)
[87] (WO2021/102087)
[30] US (62/938,525) 2019-11-21

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[51] **Int.Cl. A61N 1/40 (2006.01) A61N 2/00 (2006.01) A61N 2/02 (2006.01)**
[25] EN
[54] **ALTERNATING HIGH FREQUENCY AND LOW FREQUENCY DUTY CYCLES FOR MUSCLE STIMULATION**
[54] **CYCLES DE SERVICE A HAUTE FREQUENCE ET BASSE FREQUENCE ALTERNES POUR LA STIMULATION MUSCULAIRE**
[72] FRANGINEAS, GEORGE JR., US
[72] CABERG, THEODORUS JOHANNES VIRGINIA, BE
[71] ZELTIQ AESTHETICS, INC., US
[85] 2022-05-16
[86] 2020-11-20 (PCT/US2020/061663)
[87] (WO2021/102365)
[30] US (62/938,222) 2019-11-20

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[13] A1
[51] **Int.Cl. F28D 9/00 (2006.01) F28D 9/02 (2006.01)**
[25] EN
[54] **PLATE HEAT EXCHANGER AND ITS USE AS LIQUEFIED NATURAL GAS VAPORIZER**
[54] **ECHANGEUR DE CHALEUR A PLAQUES ET SON UTILISATION COMME VAPORISATEUR DE GAZ NATUREL LIQUEFIE**
[72] HAAVISTO, VALTTERI, FI
[72] VAHATALO, KALLE, FI
[71] VAHTERUS OY, FI
[85] 2022-05-16
[86] 2020-12-11 (PCT/FI2020/050830)
[87] (WO2021/116534)
[30] FI (20196074) 2019-12-12

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[51] **Int.Cl. A61K 31/415 (2006.01) A61K 31/513 (2006.01) A61K 31/536 (2006.01) A61K 31/675 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **METHODS OF TREATING HIV-1 INFECTION**
[54] **METHODES DE TRAITEMENT D'UNE INFECTION PAR LE VIH**
[72] LUSCOMBE, CAROLYN, AU
[72] EWART, GARY, AU
[72] MILLER, MICHELLE, AU
[71] BIOTROM LIMITED, AU
[85] 2022-05-16
[86] 2020-11-25 (PCT/AU2020/051273)
[87] (WO2021/102508)
[30] AU (2019904453) 2019-11-26
[30] AU (2020902273) 2020-07-03

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[13] A1
[51] **Int.Cl. A61K 9/48 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **FILM-FORMING COMPOSITION CONTAINING GELLAN GUM AND STARCH, AND APPLICATION IN SOFT CAPSULE**
[54] **COMPOSITION FILMOGENE CONTENANT DE LA GOMME GELLANE ET DE L'AMIDON, ET APPLICATION EN CAPSULE MOLLE**
[72] LI, XUFA, CN
[72] CHEN, QIONG, CN
[72] FANG, SUQIONG, CN
[72] YANG, XUTENG, CN
[71] SIRIO PHARMA CO., LTD., CN
[85] 2022-05-16
[86] 2020-12-28 (PCT/CN2020/140148)
[87] (WO2021/136169)
[30] CN (201911394755.3) 2019-12-30

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[51] **Int.Cl. C07D 405/12 (2006.01) A61K 31/4155 (2006.01) A61K 31/4439 (2006.01) A61K 31/55 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **SPHINGOSINE-1-PHOSPHATE RECEPTOR AGONIST, PREPARATION METHOD THEREFOR, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME AS ACTIVE INGREDIENT**
[54] **AGONISTE DU RECEPTEUR DE SPHINGOSINE-1-PHOSPHATE, SON PROCEDE DE PREPARATION ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT EN TANT QU'AGENT ACTIF**
[72] PAEK, SEUNG YUP, KR
[72] PARK, DEOK SEONG, KR
[72] HONG, SANG YONG, KR
[71] LG CHEM, LTD., KR
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[54] **NOEUD AVEC RESEAU DE COMMUTATION RADIOFREQUENCE (RF) ET PROCEDES CORRESPONDANTS POUR IDENTIFIER DES DISPOSITIFS CLIENTS COUPLES**
[72] AL-BANNA, AYHAM, US
[72] EMMENDORFER, MICHAEL J., US
[72] HANKS, WILLIAM TURNER, US
[72] CLOONAN, THOMAS J., US
[72] SANDERS, STEPHEN W., US
[72] ZETTINGER, CHRIS R., US
[71] ARRIS ENTERPRISES LLC, US
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[54] **INTEGRATED ENERGY STORAGE SYSTEM**
[54] **SYSTEME D'ACCUMULATION D'ENERGIE INTEGRE**
[72] SUMPF, JR. ROBERT DAVID, US
[72] PIRES, ANDREW, US
[72] STOCKTON, WILLIAM B., US
[72] SPOONER, COLE, US
[72] PRODAN, COLE, US
[72] GORASIA, JAYESH BHARAT, US
[72] HARRIS, KENTON, US
[72] BURKE, DAN, US
[72] SZAFER, DANFNA GABRIELA, US
[72] PATEL, KRUPAL, US
[72] PARKER, BENJAMIN, US
[72] HEGEMAN, DAVID ELIAS, US
[71] TESLA, INC., US
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[54] **CODAGE ENTROPIQUE CONDITIONNEL POUR COMPRESSION VIDEO EFFICACE**
[72] LIU, JERRY JUNKAI, US
[72] WANG, SHENLONG, US
[72] MA, WEI-CHIU, US
[72] URTASUN, RAQUEL, US
[71] UATC, LLC, US
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[54] **AN AEROSOL DISPENSING VALVE SYSTEM AND A CONTAINER COMPRISING AN AEROSOL DISPENSING VALVE SYSTEM**
[54] **SYSTEME DE SOUPAPE DE DISTRIBUTION D'AEROSOL ET RECIPIENT CONTENANT UN SYSTEME DE SOUPAPE DE DISTRIBUTION D'AEROSOL**
[72] KADULA, MARCIN, PL
[72] KADULA, WIESLAW, PL
[72] KORCZYK, SEBASTIAN, PL
[72] KORCZYK, STANISLAW, PL
[71] KADULA, MARCIN, PL
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[71] KORCZYK, SEBASTIAN, PL
[71] KORCZYK, STANISLAW, PL
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[54] **COMPOUNDS AND METHODS OF PREPARING COMPOUNDS S1P1 MODULATORS**
[54] **COMPOSES ET PROCEDES DE PREPARATION DE COMPOSES MODULATEURS DE S1P1**
[72] HEASLEY, BRIAN H., US
[72] WILENT, JENNIFER, US
[72] KOESTLER, PATRICK J., US
[71] TREVENA, INC., US
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[54] **SYSTEMS AND METHODS FOR VEHICLE-TO-VEHICLE COMMUNICATIONS FOR IMPROVED AUTONOMOUS VEHICLE OPERATIONS**
[54] **SYSTEMES ET PROCEDES DE COMMUNICATIONS DE VEHICULE A VEHICULE PERMETTANT DES OPERATIONS DE VEHICULE AUTONOME AMELIOREES**
[72] MANIVASAGAM, SIVABALAN, US
[72] LIANG, MING, US
[72] YANG, BIN, US
[72] ZENG, WENYUAN, US
[72] URTASUN, RAQUEL, US
[72] WANG, TSUN-HSUAN, US
[71] UATC, LLC, US
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[54] **TISSUE ENGINEERED VERTEBRAL DISCS**
[54] **DISQUES VERTEBRAUX ISSUS DE L'INGENIERIE TISSULAIRE**
[72] GULLBRAND, SARAH E., US
[72] MAUCH, ROBERT L., US
[72] SMITH, HARVEY E., US
[71] UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
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[54] **SYSTEMS AND METHODS FOR TISSUE CLASSIFICATION**
[54] **SYSTEMES ET PROCEDES DE CLASSIFICATION DE TISSU**
[72] WEISENFELD, NEIL IRA, US
[72] BORGSTROM, ERIK LEONARD HENRIK, US
[72] MCCREATH, BENJAMIN, US
[71] 10X GENOMICS, INC., US
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[54] **IMPROVED COMPOSITIONS AND METHODS FOR SHARED NEO-EPITOPE VACCINES**
[54] **COMPOSITIONS ET METHODES AMELIOREES DESTINEES A DES VACCINS A NEO-EPITOPES PARTAGES**
[72] MARTIN, WILLIAM D., US
[72] DE GROOT, ANNE, US
[72] BERDUGO, GAD, US
[72] RICHARD, GUILHEM, US
[72] BRIDON, DOMINIQUE, US
[72] MOISE, LEONARD, US
[72] PRINCIOTTA, MICHAEL F., US
[71] EPIVAX THERAPEUTICS, INC., US
[71] MARTIN, WILLIAM D., US
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[71] BERDUGO, GAD, US
[71] RICHARD, GUILHEM, US
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[71] PRINCIOTTA, MICHAEL F., US
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[54] **SUSTAINED RELEASE DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENTS A LIBERATION PROLONGEE**
[72] BAUM, MARC M., US
[72] MOSS, JOHN A., US
[71] OAK CREST INSTITUTE OF SCIENCE, US
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[54] **METHODS OF TREATING CANCER USING DKK-1-INHIBITORS**
[54] **METHODES DE TRAITEMENT DU CANCER A L'AIDE D'INHIBITEURS DE DKK-1**
[72] KAGEY, MICHAEL H., US
[72] NAIK, GIRISH SOMALA, US
[72] SIRARD, CYNTHIA A., US
[71] LEAP THERAPEUTICS, INC., US
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[54] **DETECTION OF A CHEMICAL SPECIES IN THE SWEAT OF A SUBJECT**
[54] **DETECTION D'UNE ESPECE CHIMIQUE DANS LA SUEUR D'UN SUJET**
[72] RIVIERE, PHILIPPE, FR
[72] AMATORE, CHRISTIAN, FR
[72] FAVRE, GILLES, FR
[72] LABRUNEE, MARC, FR
[72] DAUMAS, FREDERIC, FR
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[54] **POLYETHYLENE COMPOSITION FOR FILAMENTS OR FIBERS**
[54] **COMPOSITION DE POLYETHYLENE POUR FILAMENTS OU FIBRES**
[72] PERDOMI, GIANNI, IT
[72] GALVAN, MONICA, IT
[71] BASELL POLYOLEFINE GMBH, DE
[85] 2022-05-17
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[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING CANNABINOID ANIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT DES ANIONS CANNABINOIDES**
[72] METCALF, DOUGLAS G., US
[71] NATURAL EXTRACTION SYSTEMS, LLC, US
[85] 2022-05-16
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[54] **ASSOCIATING ASSETS USING RFID-RF WIRELESS GATEWAYS**
[54] **ASSOCIATION D'ACTIFS A L'AIDE DE PASSERELLES SANS FIL RFID-RF**
[72] KHOCHE, AJAY, US
[72] VOLKERINK, HENDRIK, US
[71] TRACKONOMY SYSTEMS, INC., US
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[54] **MEDICAL INSTRUMENT SUPPORT DEVICE**
[54] **DISPOSITIF DE SUPPORT POUR INSTRUMENT MEDICAL**
[72] ROCHE REBOLLO, ENRIQUE, ES
[72] LLUSA MELENDEZ, GUIU, ES
[71] VASCULAR BARCELONA DEVICES, S.L., ES
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[54] **COOKWARE HAVING A GRAPHITE CORE**
[54] **USTENSILE DE CUISSON AYANT UN NOYAU DE GRAPHITE**
[72] GROLL, WILLIAM A., US
[72] STEWART, JEAN MURRAY, US
[71] ALL-CLAD METALCRAFTERS, L.L.C., US
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[54] **SYSTEME D'ECLAIRAGE MODULAIRE ET CELLULES D'ECLAIRAGE INTERCONNECTABLES**
[72] BUFALINI, MARIO JR., US
[72] SCAIFE, DYLAN, US
[71] XAL INC., US
[85] 2022-05-17
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[51] **Int.Cl. G06T 7/13 (2017.01)**
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[54] **DEEP LEARNING FOR OPTICAL COHERENCE TOMOGRAPHY SEGMENTATION**
[54] **APPRENTISSAGE PROFOND POUR UNE SEGMENTATION DE TOMOGRAPHIE PAR COHERENCE OPTIQUE**
[72] AL-QAISI, MUHAMMAD K., US
[72] RABBANI, PARISA, US
[72] REN, HUGANG, US
[71] ALCON INC., CH
[85] 2022-05-17
[86] 2020-12-18 (PCT/IB2020/062246)
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[30] US (62/950,530) 2019-12-19

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[51] **Int.Cl. F17C 7/02 (2006.01) F02M 21/02 (2006.01) F17C 13/02 (2006.01)**
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[54] **A SYSTEM HAVING AT LEAST TWO CRYOGENIC CONTAINERS FOR PROVIDING A FLUID**
[54] **SYSTEME COMPRENANT AU MOINS DEUX RECIPIENTS CRYOGENIQUES POUR FOURNIR UN FLUIDE**
[72] REBERNIK, MATTHIAS, AT
[71] CRYOSHELTER GMBH, AT
[85] 2022-05-17
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[54] **VISION QUALITY ASSESSMENT BASED ON MACHINE LEARNING MODEL AND WAVEFRONT ANALYSIS**
[54] **EVALUATION DE LA QUALITE DE LA VISION BASEE SUR UN MODELE D'APPRENTISSAGE AUTOMATIQUE ET UNE ANALYSE DE FRONT D'ONDE**
[72] SARANGAPANI, RAMESH, US
[72] VONTRESS, MARK, US
[71] ALCON INC., CH
[85] 2022-05-17
[86] 2020-12-18 (PCT/IB2020/062237)
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[54] **MAGNETIC RESEAL**
[54] **JOINT D'ETANCHEITE MAGNETIQUE**
[72] HUFFER, SCOTT WILLIAM, US
[71] SONOCO DEVELOPMENT, INC., US
[85] 2022-05-17
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[25] EN
[54] **IMPROVED NEO-EPITOPE VACCINES AND METHODS OF TREATING CANCER**
[54] **VACCINS AMELIORES A BASE DE NEO-EPITOPE ET METHODES DE TRAITEMENT DU CANCER**
[72] MARTIN, WILLIAM D., US
[72] DE GROOT, ANNE S., US
[72] BERDUGO, GAD, US
[72] RICHARD, GUILHEM, US
[72] BRIDON, DOMINIQUE, US
[72] MOISE, LEONARD, US
[72] PRINCIOTTA, MICHAEL F., US
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[71] MARTIN, WILLIAM D., US
[71] DE GROOT, ANNE S., US
[71] BERDUGO, GAD, US
[71] RICHARD, GUILHEM, US
[71] BRIDON, DOMINIQUE, US
[71] MOISE, LEONARD, US
[71] PRINCIOTTA, MICHAEL F., US
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR SYNTHESIS OF THERAPEUTIC NANOPARTICLES**
[54] **PROCEDES ET COMPOSITIONS POUR LA SYNTHESE DE NANOPARTICULES THERAPEUTIQUES**
[72] WYATT, EMILY A., US
[72] BLUMENFELD, CARL M., US
[72] LAMM, ROBERT J., US
[71] DANTARI, INC., US
[85] 2022-05-17
[86] 2020-12-04 (PCT/US2020/063321)
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[30] US (62/943,594) 2019-12-04
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[54] **VISUAL INSPECTION APPARATUS AND SYSTEM ASSOCIATED THEREWITH**
[54] **APPAREIL D'INSPECTION VISUELLE ET SYSTEME ASSOCIE A CELUI-CI**
[72] BEDARD, NORMAN, CA
[72] LAMONTAGNE, PATRICK, CA
[71] RINNOVISION INC., CA
[85] 2022-05-17
[86] 2020-11-13 (PCT/CA2020/051545)
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[54] **PROCESS FOR PREPARING CHROMAN COMPOUNDS**
[54] **PROCEDE DE PREPARATION DE COMPOSES CHROMANE**
[72] KAMBOJ, RAJENDER KUMAR, IN
[72] KOCHUMALAYIL, SHAJI GEORGE, IN
[72] VENUGOPAL, SPINVIN, IN
[72] PADIYA, KAMLESH JYOTINDRA, IN
[72] KAMALAKANNAN, PRABAKARAN, IN
[72] NAIK, KUMAR RAM, IN
[72] INGAWALE, SACHIN SUBHASH, IN
[72] RAJESH, BHAVANI SHANKAR, IN
[72] POWAR, RAJENDRA GANPATI, IN
[71] LUPIN LIMITED, IN
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[30] IN (201921047127) 2019-11-19

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[51] **Int.Cl. B25F 5/00 (2006.01)**
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[54] **SYSTEMS AND METHODS FOR TRANSFERRING INFORMATION AND POWER TO A COMMUNICATIONS MODULE WITHIN A POWER TOOL SYSTEM**
[54] **SYSTEMES ET PROCEDES DE TRANSMISSION D'INFORMATIONS ET D'ENERGIE A UN MODULE DE COMMUNICATION DANS UN SYSTEME D'UN OUTIL ELECTRIQUE**
[72] BOHM, BENJAMIN, DE
[72] SPIEGLER, MARTIN, DE
[72] ESQUIUS-SERRA, MARC, AT
[72] PAWAR, DHEERENDRA, DE
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2022-05-17
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[30] US (62/943,528) 2019-12-04

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[51] **Int.Cl. A23L 27/00 (2016.01) A24B 13/00 (2006.01) A24B 15/10 (2006.01)**
[25] EN
[54] **ORAL STRIPS AND METHODS OF MAKING SAME**
[54] **BANDES ORALES ET LEURS PROCEDES DE FABRICATION**
[72] KIRBY, JOSHUA, US
[71] KINSTATE, INC., US
[85] 2022-05-17
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[25] EN
[54] **MASKING COMPOSITIONS FOR MILLED LITHIUM-SILICATE GLASS-CERAMIC DENTAL RESTORATIONS AND METHOD FOR MAKING SAME**
[54] **COMPOSITIONS DE MASQUAGE POUR RESTAURATIONS DENTAIRES EN VITROCERAMIQUE A BASE DE SILICATE DE LITHIUM BROYE ET LEUR PROCEDE DE FABRICATION**
[72] STINE, DAVID J., US
[72] CORNELL, DONALD F., US
[72] JUN, YOONHO, US
[71] JENSEN INDUSTRIES INC., US
[85] 2022-05-17
[86] 2020-11-18 (PCT/US2020/060971)
[87] (WO2021/101940)
[30] US (62/936,928) 2019-11-18

[21] **3,158,707**
[13] A1
[51] **Int.Cl. A61H 15/00 (2006.01)**
[25] EN
[54] **DEVICE FOR TREATING CELLULITIS**
[54] **DISPOSITIF POUR LE TRAITEMENT DE LA CELLULITE**
[72] TRIGGIANESE, DORIANO, IT
[71] FELDI S.R.L., IT
[85] 2022-05-17
[86] 2019-11-22 (PCT/IB2019/060061)
[87] (WO2021/099823)

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[13] A1
[51] **Int.Cl. A61K 31/37 (2006.01) A61P 17/02 (2006.01) A61P 17/06 (2006.01)**
[25] EN
[54] **ANTI-INFLAMMATORY COMPOUNDS FOR USE IN THE TREATMENT OF DERMAL DISORDERS**
[54] **COMPOSES ANTI-INFLAMMATOIRES DESTINES A ETRE UTILISES DANS LE TRAITEMENT D'AFFECTIONS DE LA PEAU**
[72] SISTLA, RAMAKRISHNA, IN
[72] ADDLAGATTA, ANTHONY, IN
[72] THENNATI, RAJAMANNAR, IN
[72] SHAIKH, ALTAB, IN
[72] JANGUM, ARUNA, IN
[72] MADHUSUDANA, KUNCHA, IN
[72] KOTAMRAJU, SRIGIRIDHAR, IN
[72] BATHULA, SURENDAR REDDY, IN
[72] NEELI, PRAVEEN KUMAR, IN
[72] SANGARAJU, RAJENDRA, IN
[72] GAJALAKSHMI, SINGURU, IN
[71] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN
[85] 2022-05-18
[86] 2020-11-23 (PCT/IB2020/061043)
[87] (WO2021/100027)
[30] IN (201911047906) 2019-11-22

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[13] A1
[51] **Int.Cl. C12N 5/079 (2010.01) G01N 33/50 (2006.01)**
[25] EN
[54] **CHEMICAL COCKTAIL FOR INDUCING SENESCENCE IN HUMAN NEURONS TO PROMOTE DISEASE MODELING AND DRUG DISCOVERY**
[54] **COCKTAIL CHIMIQUE POUR INDUIRE LA SENESCENCE DANS DES NEURONES HUMAINS POUR FAVORISER LA MODELISATION DE MALADIES ET LA DECOUVERTE DE MEDICAMENTS**
[72] ZHANG, SU-CHUN, US
[72] FATHI, ALI, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[71] ZHANG, SU-CHUN, US
[71] FATHI, ALI, US
[85] 2022-05-18
[86] 2020-12-09 (PCT/US2020/064138)
[87] (WO2021/119217)
[30] US (62/945,386) 2019-12-09

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[13] A1
[51] **Int.Cl. G16H 10/00 (2018.01) G16H 15/00 (2018.01)**
[25] EN
[54] **PLATFORM FOR HYGIENE BEHAVIORAL MONITORING AND MODIFICATION**
[54] **PLATEFORME DE SURVEILLANCE ET DE MODIFICATION DE COMPORTEMENT HYGIENIQUE**
[72] PODVENT, SEAN M., US
[72] ADAMS, RICHARD, US
[72] BRADIC, ALEKSANDAR, US
[72] ANTONIC, VOJISLAV, US
[71] WILLO TECHNOLOGIES, LLC, US
[85] 2022-05-19
[86] 2020-11-19 (PCT/US2020/061216)
[87] (WO2021/102103)
[30] US (62/937,376) 2019-11-19
[30] US (63/050,524) 2020-07-10

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[13] A1
[51] **Int.Cl. A01M 23/38 (2006.01) H05C 1/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING A SHOCK OUTPUT OF AN ELECTRONIC ANIMAL TRAP**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UNE SORTIE DE CHOC D'UN PIEGE ELECTRONIQUE POUR ANIMAUX**
[72] KAUFFMAN, MATTHEW, US
[71] WOODSTREAM CORPORATION, US
[85] 2022-05-30
[86] 2020-12-11 (PCT/US2020/064638)
[87] (WO2021/119507)
[30] US (16/713,171) 2019-12-13

[21] **3,160,425**
[13] A1
[51] **Int.Cl. C21D 1/10 (2006.01) C23C 8/26 (2006.01) C23C 8/50 (2006.01) C23C 8/56 (2006.01)**
[25] FR
[54] **METHOD FOR TREATING A PART MADE OF FERROUS METAL, AND PART MADE OF FERROUS METAL**
[54] **PROCEDE DE TRAITEMENT D'UNE PIECE EN METAL FERREUX ET PIECE EN METAL FERREUX**
[72] HERMANN, LUC, FR
[72] MONTEUX, VINCENT, FR
[71] HYDROMECANIQUE ET FROTTEMENT, FR
[85] 2022-06-01
[86] 2020-12-23 (PCT/FR2020/052620)
[87] (WO2021/130460)
[30] FR (1915524) 2019-12-24

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[13] A1
[51] **Int.Cl. H01M 4/04 (2006.01) H01M 4/134 (2010.01) H01M 4/139 (2010.01) H01M 10/058 (2010.01) H01M 4/36 (2006.01) H01M 4/38 (2006.01) H01M 4/40 (2006.01) H01M 4/62 (2006.01)**
[25] FR
[54] **COMPOSITE ELECTRODE COMPRISING A METAL AND A POLYMER MEMBRANE, MANUFACTURING METHOD AND BATTERY CONTAINING SAME**
[54] **ELECTRODE COMPOSITE COMPRENANT UN METAL ET UNE MEMBRANE POLYMERE, PROCEDE DE FABRICATION ET BATTERIE LA CONTENANT**
[72] LECUYER, MARGAUD, FR
[72] PERTICARARI, SOFIA, FR
[72] DESCHAMPS, MARC, FR
[71] BLUE SOLUTIONS, FR
[85] 2022-06-03
[86] 2020-12-22 (PCT/EP2020/087700)
[87] (WO2021/130268)
[30] FR (FR1915685) 2019-12-27

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[13] A1
[51] **Int.Cl. B64G 1/64 (2006.01) B64D 39/00 (2006.01) B64G 4/00 (2006.01)**
[25] EN
[54] **REFUELING TOOL AND SYSTEM INCORPORATING THE REFUELING TOOL**
[54] **OUTIL DE RAVITAILLEMENT EN CARBURANT ET SYSTEME INCORPORANT L'OUTIL DE RAVITAILLEMENT EN CARBURANT**
[72] TURNER, ANDREW PAUL, CA
[72] SACHDEV, TEJ, CA
[72] OGILVIE, ANDREW SCOTT, CA
[72] PANEK, NATALIE, CA
[72] FISHER, STEVE, CA
[72] HONEYBROWN, MICHAEL ROBERT, CA
[72] GRANDY, DREW ALEXANDER, CA
[72] NIFO, VICTOR, CA
[71] MACDONALD, DETTWILER & ASSOCIATES INC., CA
[85] 2022-06-07
[86] 2020-12-21 (PCT/CA2020/051779)
[87] (WO2021/119851)
[30] US (62/951,502) 2019-12-20

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[13] A1
[51] **Int.Cl. A61H 23/02 (2006.01) A61H 7/00 (2006.01) A61H 15/00 (2006.01) A61H 37/00 (2006.01) A61H 99/00 (2006.01)**
[25] EN
[54] **MASSAGE APPARATUS**
[54] **APPAREIL DE MASSAGE**
[72] CHEONG, YEUNG SHUN, CN
[71] CONAIR LLC, US
[85] 2022-05-17
[86] 2020-11-06 (PCT/US2020/059266)
[87] (WO2021/101729)
[30] US (16/688,271) 2019-11-19

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[13] A1
[51] **Int.Cl. D06F 75/18 (2006.01) D06F 75/20 (2006.01)**
[25] EN
[54] **FABRIC STEAMER**
[54] **APPAREIL DE TRAITEMENT A LA VAPEUR DE TISSU**
[72] LAI, KIN MAN, CN
[71] CONAIR LLC, US
[85] 2022-05-17
[86] 2020-11-06 (PCT/US2020/059269)
[87] (WO2021/101730)
[30] US (16/690,894) 2019-11-21

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[13] A1
[51] **Int.Cl. A61F 6/08 (2006.01) A61H 19/00 (2006.01)**
[25] EN
[54] **DEVICE FOR ALLEVIATING DYSPAREUNIA**
[54] **DISPOSITIF POUR SOULAGER LA DYSPAREUNIE**
[72] PFEIFFER, JEFFREY S., US
[71] JSP INNOVATIONS LLC, US
[85] 2022-05-17
[86] 2020-11-18 (PCT/US2020/061129)
[87] (WO2021/102054)
[30] US (62/937,013) 2019-11-18

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[13] A1
[51] **Int.Cl. C12N 5/10 (2006.01) C07K 14/015 (2006.01) C12N 7/00 (2006.01) C12N 7/04 (2006.01) C12N 15/35 (2006.01) C12N 15/86 (2006.01) C12N 15/866 (2006.01)**
[25] EN
[54] **NOVEL COMPOSITIONS AND METHODS FOR PRODUCING RECOMBINANT AAV**
[54] **NOUVELLES COMPOSITIONS ET PROCEDES DE PRODUCTION D'AAV RECOMBINANTS**
[72] WARD, ALEX MICHAEL, US
[72] TRAN, HUNG, US
[72] KANG, ANDREA J., US
[72] CHEN, TZU-HUNG, US
[72] SUROSKY, RICHARD T., US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2022-06-01
[86] 2020-12-04 (PCT/US2020/063481)
[87] (WO2021/113767)
[30] US (62/943,715) 2019-12-04

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 38/26 (2006.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) A61P 1/12 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **STABLE LIQUID FORMULATIONS COMPRISING A GLUCAGON-LIKE PEPTIDE 1 AND USES THEREOF**
[54] **FORMULATIONS LIQUIDES STABLES COMPRENANT UN PEPTIDE ANALOGUE AU GLUCAGON DE TYPE 1 ET LEURS UTILISATIONS**
[72] KENNY, ENDA, IE
[72] HAWE, ANDREA, DE
[72] KEILHAUER, EVA, DE
[72] POPKO, OLIMPIA, DE
[72] WARBURG, RICHARD, US
[71] ROSE PHARMA LLC, BM
[85] 2022-06-01
[86] 2020-12-02 (PCT/US2020/062785)
[87] (WO2021/113286)
[30] GB (1917723.7) 2019-12-04

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[13] A1
[51] **Int.Cl. G01D 9/00 (2006.01) H02J 50/10 (2016.01) A61B 5/00 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF PROVIDING NETWORKS BASED ON TEXTILES**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE DE RESEAUX A BASE DE TEXTILES**
[72] CHAHINE, TONY, CA
[72] ALIZADEH-MEGHRAZI, MILAD, CA
[72] EDELMAN, GODFRIED GYSBRECHT, CA
[71] MYANT INC., CA
[85] 2022-06-02
[86] 2020-12-01 (PCT/CA2020/051643)
[87] (WO2021/108900)
[30] US (62/942,962) 2019-12-03

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[13] A1
[51] **Int.Cl. E21B 4/16 (2006.01) E21B 3/035 (2006.01) E21B 17/07 (2006.01)**
[25] EN
[54] **WELL DRILLING TOOL AND METHOD FOR DETERMINING PARAMETER THEREOF**
[54] **OUTIL DE FORAGE DE PUITS ET PROCEDE DE DETERMINATION DE PARAMETRE ASSOCIE**
[72] ZHANG, HAIPING, CN
[72] ZANG, YANBIN, CN
[72] MA, GUANGJUN, CN
[72] WANG, JIACHANG, CN
[72] SUN, MINGGUANG, CN
[72] TAO, XINGHUA, CN
[72] XUAN, LINGCHAO, CN
[72] LIU, XIAODAN, CN
[72] ZHANG, RENLONG, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC PETROLEUM ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD., CN
[85] 2022-06-02
[86] 2020-09-11 (PCT/CN2020/114857)
[87] (WO2021/120720)
[30] CN (201911295614.6) 2019-12-16

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[13] A1
[51] **Int.Cl. E21B 4/16 (2006.01)**
[25] EN
[54] **WELL DRILLING ACCELERATION TOOL**
[54] **OUTIL D'ACCELERATION DE FORAGE DE PUITS**
[72] ZHANG, HAIPING, CN
[72] DING, SHIDONG, CN
[72] SUN, MINGGUANG, CN
[72] WANG, JIACHANG, CN
[72] ZANG, YANBIN, CN
[72] TAO, XINGHUA, CN
[72] WANG, LISHUANG, CN
[72] LIU, XIAODAN, CN
[72] XUAN, LINGCHAO, CN
[72] ZHANG, RENLONG, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC PETROLEUM ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD., CN
[85] 2022-06-02
[86] 2020-09-11 (PCT/CN2020/114859)
[87] (WO2021/120721)
[30] CN (201911294292.3) 2019-12-16

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[13] A1
[51] **Int.Cl. A61K 9/08 (2006.01) A61K 9/19 (2006.01) A61K 31/198 (2006.01) A61K 47/02 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) A61P 1/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **STABLE AND HIGHLY CONCENTRATED FORMULATION OF THE ANTIBODY NIMOTUZUMAB**
[54] **FORMULATION STABLE ET DE HAUTE CONCENTRATION DE L'ANTICORPS NIMOTUZUMAB**
[72] HERNANDEZ TERRERO, YAIKO SADDAN, CU
[72] FERNANDEZ SAEZ, OLGA LIDEA, CU
[72] SANTO TOMAS POMPA, JULIO FELIPE, CU
[72] CEDENO ARIAS, MERCEDES, CU
[72] RASHIDA DE LA LUZ HERNANDEZ, KATHYA, CU
[72] BOGGIANO AYO, TAMMY, CU
[72] LEON MONZON, KALET, CU
[72] CASTILLO VITLOCH, ADOLFO, CU
[71] CENTRO DE INMUNOLOGIA MOLECULAR, CU
[85] 2022-06-02
[86] 2020-12-10 (PCT/CU2020/050007)
[87] (WO2021/121444)
[30] CU (CU-2019-0104) 2019-12-17

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[13] A1
[51] **Int.Cl. G06V 20/10 (2022.01) G06V 10/20 (2022.01) G06V 10/44 (2022.01) G06V 10/82 (2022.01) G06N 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING DAMAGE ON CROPS**
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE DOMMAGES SUR DES CULTURES**
[72] BERECIARTUA-PEREZ, ARANZAZU, ES
[72] PICON RUIZ, ARTZAI, ES
[72] ROMERO RODRIGUEZ, JAVIER, ES
[72] CONTRERAS GALLARDO, JUAN MANUEL, ES
[72] OBERST, RAINER, DE
[72] GAD, HIKAL KHAIRY SHOHDY, DE
[72] KRAEMER, GERD, DE
[72] KLUKAS, CHRISTIAN, DE
[72] EGGERS, TILL, DE
[72] ECHAZARRA HUGUET, JONE, ES
[72] NAVARRA-MESTRE, RAMON, DE
[71] BASF SE, DE
[85] 2022-06-02
[86] 2020-11-24 (PCT/EP2020/083199)
[87] (WO2021/110476)
[30] EP (19213250.4) 2019-12-03

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[13] A1
[51] **Int.Cl. B66B 7/02 (2006.01) F16B 11/00 (2006.01)**
[25] EN
[54] **FIXING A LIFT COMPONENT TO A SHAFT WALL**
[54] **FIXATION D'UN COMPOSANT DE LEVAGE SUR UNE PAROI D'ARBRE**
[72] STREBEL, RENE, CH
[71] INVENTIO AG, CH
[85] 2022-06-02
[86] 2020-11-27 (PCT/EP2020/083577)
[87] (WO2021/110546)
[30] EP (19213890.7) 2019-12-05

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[13] A1
[51] **Int.Cl. C01B 3/38 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **SYNTHETIC FUELS BY ELECTRICALLY HEATED STEAM METHANE REFORMING**
[54] **CARBURANTS SYNTHETIQUES PAR REFORMAGE DE METHANE A LA VAPEUR CHAUFFE ELECTRIQUEMENT**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] AASBERG-PETERSEN, KIM, DK
[72] NIELSEN, CHARLOTTE STUB, DK
[71] TOPSOE A/S, DK
[85] 2022-06-02
[86] 2020-12-02 (PCT/EP2020/084291)
[87] (WO2021/110754)
[30] EP (19213425.2) 2019-12-04

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[13] A1
[51] **Int.Cl. C01B 3/38 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **BIOGAS CONVERSION TO SYNTHESIS GAS FOR PRODUCING HYDROCARBONS**
[54] **CONVERSION DE BIOGAZ EN GAZ DE SYNTHESE POUR LA PRODUCTION D'HYDROCARBURES**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] AASBERG-PETERSEN, KIM, DK
[72] NIELSEN, CHARLOTTE STUB, DK
[71] TOPSOE A/S, DK
[85] 2022-06-02
[86] 2020-12-02 (PCT/EP2020/084295)
[87] (WO2021/110757)
[30] EP (19213428.6) 2019-12-04

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **LUNG TARGETED ANTICANCER THERAPIES WITH LIPOSOMAL ANNAMYCIN**
[54] **THERAPIES ANTICANCEREUSES CIBLANT LES POUMONS AVEC UNE ANNAMYCINE LIPOSOMALE**
[72] PRIEBE, WALDEMAR, US
[72] ZIELINSKI, RAFAL, US
[72] FOKT, IZABELA, US
[72] SKORA, STANISLAW, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-05-18
[86] 2020-11-23 (PCT/US2020/061775)
[87] (WO2021/102404)
[30] US (62/938,845) 2019-11-21

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[13] A1
[51] **Int.Cl. B01J 8/02 (2006.01) B01J 12/00 (2006.01) C10L 3/08 (2006.01)**
[25] EN
[54] **ELECTRICALLY HEATED CARBON MONOOXIDE REACTOR**
[54] **REACTEUR DE MONOOXYDE DE CARBONE CHAUFFE ELECTRIQUEMENT**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] AASBERG-PETERSEN, KIM, DK
[72] HULTQVIST, MICHAEL, DK
[72] KLEIN, ROBERT, DK
[72] LARSEN, KASPER EMIL, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2022-06-02
[86] 2020-12-03 (PCT/EP2020/084408)
[87] (WO2021/110806)
[30] EP (19213432.8) 2019-12-04
[30] EP (20201817.2) 2020-10-14

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[13] A1
[51] **Int.Cl. A61M 25/01 (2006.01)**
[25] EN
[54] **ANCHORING ELEMENTS FOR A STEERABLE DEVICE**
[54] **ELEMENTS D'ANCRAGE POUR UN DISPOSITIF ORIENTABLE**
[72] CAZENEUVE, JEAN-BAPTISTE, FR
[72] MAIANO, CAMILLE, FR
[71] BASECAMP VASCULAR, FR
[85] 2022-06-02
[86] 2020-12-04 (PCT/EP2020/084725)
[87] (WO2021/110960)
[30] EP (19306590.1) 2019-12-06

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[13] A1
[51] **Int.Cl. G07D 9/00 (2006.01)**
[25] EN
[54] **COIN HANDLING DEVICE AND A COIN HANDLING MACHINE COMPRISING THE SAME**
[54] **DISPOSITIF DE MANIPULATION DE PIECES DE MONNAIE ET MACHINE DE MANIPULATION DE PIECES DE MONNAIE COMPRENANT LEDIT DISPOSITIF**
[72] WALLMAN-CARLSSON, VICTOR, SE
[71] SCAN COIN AB, SE
[85] 2022-06-02
[86] 2020-12-08 (PCT/EP2020/085078)
[87] (WO2021/116105)
[30] EP (19215021.7) 2019-12-10

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[13] A1
[51] **Int.Cl. B22D 41/24 (2006.01) C21C 5/46 (2006.01) F27D 3/15 (2006.01)**
[25] EN
[54] **SLIDING CLOSURE FOR A METALLURGICAL VESSEL**
[54] **FERMETURE COULISSANTE DE RECIPIENT METALLURGIQUE**
[72] VUKOVIC, GORAN, AT
[72] CHRISTEN, RENE, CH
[72] ACKERMANN, KURT, CH
[71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT
[85] 2022-06-02
[86] 2020-12-11 (PCT/EP2020/085749)
[87] (WO2021/144088)
[30] EP (20151906.3) 2020-01-15

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[13] A1
[51] **Int.Cl. A47J 31/46 (2006.01) A47J 31/44 (2006.01)**
[25] EN
[54] **BEVERAGE MACHINE WITH ACTUATED WATER SUPPLY VALVE**
[54] **MACHINE A BOISSON DOTEE D'UNE VANNE D'ALIMENTATION EN EAU ACTIONNEE**
[72] ESCALIER, THIBAULT, FR
[72] PERENTES, ALEXANDRE, CH
[72] PUGLIESE, ALEXANDRE, CH
[71] SOCIETE DES PRODUITS NESTLE SA, CH
[85] 2022-06-02
[86] 2020-12-15 (PCT/EP2020/086073)
[87] (WO2021/122502)
[30] EP (19216354.1) 2019-12-16

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[13] A1
[51] **Int.Cl. A01N 43/80 (2006.01) A01P 7/04 (2006.01) A61K 31/42 (2006.01) A61K 31/4709 (2006.01) A61K 31/4725 (2006.01)**
[25] EN
[54] **COMPOSITION FOR LICE CONTROL**
[54] **COMPOSITION POUR LUTTER CONTRE LES POUX**
[72] O'NEILL, PETER ANDREW, AU
[72] FISARA, PETR, AU
[72] FLOCHLAY-SIGOGNAULT, ANNIE, US
[72] HUYGHE, BRUNO, FR
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2022-06-02
[86] 2020-12-15 (PCT/EP2020/086097)
[87] (WO2021/122513)
[30] EP (19216377.2) 2019-12-16

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[51] **Int.Cl. A61K 31/4375 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61K 31/554 (2006.01) A61K 38/21 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMBINATION OF ANTIVIRAL AGENTS TARGETING HBV AND/OR AN IMMUNE MODULATOR FOR TREATMENT OF HBV**
[54] **ASSOCIATION PHARMACEUTIQUE D'AGENTS ANTIVIRAUX CIBLANT LE VHB ET/OU UN MODULATEUR IMMUNITAIRE POUR LE TRAITEMENT DU VHB**
[72] OTTOSEN, SOREN, DK
[72] MUELLER, HENRIK, CH
[71] F. HOFFMAN-LA ROCHE AG, CH
[85] 2022-06-02
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[87] (WO2021/130270)
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[30] CN (PCT/CN2020/107002) 2020-08-05
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[51] **Int.Cl. B65D 65/42 (2006.01) D21H 17/13 (2006.01) D21H 17/53 (2006.01) D21H 19/28 (2006.01) D21H 27/10 (2006.01)**
[25] EN
[54] **BIOPOLYMER COMPOSITION AND ITS USE AS A POWDER COATING**
[54] **COMPOSITION BIOPOLYMERE ET SON UTILISATION EN TANT QUE REVETEMENT EN POUDRE**
[72] HIETALA, MAIJU, FI
[72] KUVAJA, RAUNA-LEENA, FI
[72] HADZIC, ADMIR, FI
[72] MARIN, TUIRE, FI
[72] LEIVO, JARKKO, FI
[71] BRIGHTPLUS OY, FI
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[25] EN
[54] **NEW PROCESS FOR THE MANUFACTURE OF PHARMACEUTICAL COMPOSITIONS**
[54] **NOUVEAU PROCEDE DE FABRICATION DE COMPOSITIONS PHARMACEUTIQUES**
[72] JOHANSSON, ANDERS, SE
[72] ROOTH, MARTEN, SE
[72] HELLRUP, JOEL, SE
[71] NANEXA AB, SE
[85] 2022-06-02
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[30] GB (1917899.5) 2019-12-06

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[25] EN
[54] **METHODS OF MEAT PRODUCTION BY IN VITRO CELL CULTIVATION**
[54] **PROCEDES DE PRODUCTION DE VIANDE PAR CULTURE CELLULAIRE IN VITRO**
[72] CHIN, PO SAN MARIO, CN
[72] CHAN, KAI YI CARRIE, CN
[72] POON, CHUN HEI, CN
[71] AVANT MEATS COMPANY LIMITED, CN
[85] 2022-06-02
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[30] US (62/942,568) 2019-12-02

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[51] **Int.Cl. C12P 21/00 (2006.01) A61K 38/01 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **METHODS FOR CULTIVATING CELLS, PREPARATION OF HYDROLYSATE FROM CELLS AND APPLICATIONS THEREOF**
[54] **PROCEDES DE CULTURE DE CELLULES, PREPARATION D'HYDROLYSAT A PARTIR DE CELLULES ET LEURS APPLICATIONS**
[72] CHIN, PO SAN MARIO, CN
[72] CHAN, KAI YI CARRIE, CN
[72] POON, CHUN HEI, CN
[71] AVANT MEATS COMPANY LIMITED, CN
[85] 2022-06-02
[86] 2020-11-14 (PCT/IB2020/060727)
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[51] **Int.Cl. C12M 3/02 (2006.01) C12M 1/00 (2006.01) C12M 1/38 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR PRODUCING CULTIVATED MEATS, TISSUES AND ASSOCIATED PRODUCTS FROM CELLS**
[54] **SYSTEME DE PRODUCTION DE VIANDE CULTIVEE, DE TISSUS ET DE PRODUITS ASSOCIES A PARTIR DE CELLULES**
[72] CHIN, PO SAN MARIO, CN
[72] CHAN, KAI YI CARRIE, CN
[72] LI, CHUEN WAI, CN
[71] AVANT MEATS COMPANY LIMITED, CN
[85] 2022-06-02
[86] 2020-11-30 (PCT/IB2020/061257)
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[30] US (62/942,568) 2019-12-02

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[51] **Int.Cl. C02F 1/04 (2006.01) B01D 1/00 (2006.01) B01D 3/42 (2006.01) C02F 1/02 (2006.01) C02F 1/06 (2006.01)**
[25] EN
[54] **SEWAGE TREATMENT MACHINE**
[54] **MACHINE DE TRAITEMENT DES EAUX USEES**
[72] GIUST, ENZO, IT
[72] DEL COL, DAVIDE, IT
[72] BORTOLIN, STEFANO, IT
[71] VEOLIA WATER TECHNOLOGIES ITALIA S.P.A. CON SOCIO UNICO, IT
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[86] 2020-12-02 (PCT/IB2020/061390)
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[25] EN
[54] **FUNGICIDAL COMBINATIONS**
[54] **COMBINAISONS FONGICIDES**
[72] ALESSANDRO, MARIANI, US
[72] BRUNO, WOLFFENBUTTEL CARLOTO, BR
[72] LUIS, GUSTAVO RODRIGUES GONELLA, BR
[72] KIM, GARY WATSON, US
[71] UPL CORPORATION LIMITED, MU
[71] UPL EUROPE LTD, GB
[85] 2022-06-02
[86] 2020-12-04 (PCT/IB2020/061496)
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[30] IN (201921050091) 2019-12-05

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[51] **Int.Cl. A23L 33/16 (2016.01) A61K 33/24 (2019.01) A61K 47/14 (2017.01) A61K 47/24 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **SOLID FORM FORMULATION COMPRISING CHROMIUM OR COPPER OR A VITAMIN, COMPOSITIONS AND USES THEREOF**
[54] **FORMULATION DE FORME SOLIDE COMPRENANT DU CHROME OU DU CUIVRE OU UNE VITAMINE, COMPOSITIONS ET UTILISATIONS DE CELLE-CI**
[72] LACORTE, ANDREA, IT
[72] TARANTINO, GERMANO, IT
[72] BRILLI, ELISA, IT
[71] ALESCO S.R.L., IT
[85] 2022-06-02
[86] 2020-12-04 (PCT/IB2020/061529)
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[30] IT (102019000022989) 2019-12-04

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[13] A1
[51] **Int.Cl. A41C 3/12 (2006.01) A41C 3/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE GARMENT DEVICE**
[54] **DISPOSITIF VESTIMENTAIRE REGLABLE**
[72] BRITO, WELANDAGOTHRIGE RAKITHA, LK
[72] HELAN, NAGAHAGEDARA SANJAYA ROSHANA, LK
[72] HETTIKANKANM, HETTIKANKANAMGE DRUVI ARJUNA, LK
[71] INQUBE SOLUTIONS (PRIVATE) LIMITED, LK
[85] 2022-06-02
[86] 2020-12-07 (PCT/IB2020/061607)
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[30] US (62/943,983) 2019-12-05

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[51] **Int.Cl. D21H 11/18 (2006.01) B08B 17/06 (2006.01) B32B 3/26 (2006.01) B32B 27/10 (2006.01) B81C 1/00 (2006.01) C08J 5/18 (2006.01) C08L 1/02 (2006.01) C09D 5/16 (2006.01) D21H 27/02 (2006.01)**
[25] EN
[54] **PATTERNED LIQUID REPELLENT NANOCELLULOSIC FILM**
[54] **FILM NANOCELLULOSIQUE REPOUSSANT LES LIQUIDES A MOTIFS**
[72] BACKFOLK, KAJ, FI
[72] HEISKANEN, ISTO, FI
[72] MIIKKI, NINA, FI
[71] STORA ENSO OYJ, FI
[85] 2022-06-02
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[30] SE (1951551-9) 2019-12-23

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[13] A1
[51] **Int.Cl. G02B 27/00 (2006.01) G02B 6/10 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **OPTICAL SYSTEMS AND METHODS FOR EYE TRACKING BASED ON REDIRECTING LIGHT FROM EYE USING AN OPTICAL ARRANGEMENT ASSOCIATED WITH A LIGHT-GUIDE OPTICAL ELEMENT**
[54] **SYSTEMES ET PROCEDES OPTIQUES D'OCULOMETRIE BASEE SUR LA REORIENTATION DE LA LUMIERE DE L'□IL AU MOYEN D'UN AGENCEMENT OPTIQUE ASSOCIE A UN ELEMENT OPTIQUE GUIDE DE LUMIERE**
[72] RONEN, EITAN, IL
[72] CHRIKI, RONEN, IL
[72] LEVIN, NAAMAH, IL
[72] LOBACHINSKY, LILYA, IL
[71] LUMUS LTD., IL
[85] 2022-06-02
[86] 2020-11-30 (PCT/IL2020/051236)
[87] (WO2021/130739)
[30] US (62/953,557) 2019-12-25
[30] US (62/958,755) 2020-01-09
[30] US (63/023,891) 2020-05-13

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[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **RELEASABLE JOINING SYSTEM FOR FLOOR PANELS, A FLOOR PANEL, A FLOOR SYSTEM, A METHOD FOR LAYING AND A METHOD FOR RELEASING A FLOOR PANEL**
[54] **SYSTEME D'ASSEMBLAGE LIBERABLE POUR PANNEAUX DE PLANCHER, PANNEAU DE PLANCHER, SYSTEME DE PLANCHER, PROCEDE DE POSE ET PROCEDE DE LIBERATION D'UN PANNEAU DE PLANCHER**
[72] MARKOVSKI, BOBBY, SE
[71] VILOX AB, SE
[85] 2022-06-02
[86] 2020-12-11 (PCT/SE2020/051203)
[87] (WO2021/118448)
[30] SE (1951462-9) 2019-12-13

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[13] A1
[51] **Int.Cl. B62D 12/02 (2006.01) B62D 11/20 (2006.01) B62D 53/00 (2006.01) B62D 55/065 (2006.01)**
[25] EN
[54] **ARTICULATED VEHICLE HYDRAULIC PITCH SYSTEM**
[54] **SYSTEME HYDRAULIQUE DE COMMANDE D'INCLINAISON POUR VEHICULE ARTICULE**
[72] HO, JIANN YI, SG
[71] ST ENGINEERING LAND SYSTEMS LTD, SG
[85] 2022-06-02
[86] 2019-12-03 (PCT/SG2019/050594)
[87] (WO2021/112755)

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[13] A1
[51] **Int.Cl. G02F 1/16766 (2019.01) G02F 1/167 (2019.01)**
[25] EN
[54] **TRANSFERABLE LIGHT-TRANSMISSIVE ELECTRODE FILMS FOR ELECTRO-OPTIC DEVICES**
[54] **FILMS D'ELECTRODE TRANSMETTANT LA LUMIERE TRANSFERABLE POUR DISPOSITIFS ELECTRO-OPTIQUES**
[72] MURARI, NISHIT, US
[72] ANSETH, JAY WILLIAM, US
[71] E INK CORPORATION, US
[85] 2022-06-01
[86] 2020-12-07 (PCT/US2020/063578)
[87] (WO2021/133541)
[30] US (62/952,600) 2019-12-23

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[13] A1
[51] **Int.Cl. A61K 31/436 (2006.01) A61K 31/56 (2006.01) A61K 31/663 (2006.01) C07D 498/18 (2006.01)**
[25] EN
[54] **RAPAMYCIN ANALOGS AND USES THEREOF**
[54] **ANALOGUES DE LA RAPAMYCINE ET LEURS UTILISATIONS**
[72] O'NEILL, DAVID JOHN, US
[72] SAIAH, EDDINE, US
[72] KANG, SEONG WOO ANTHONY, US
[71] ANAKURIA THERAPEUTICS, INC., US
[85] 2022-06-02
[86] 2020-12-04 (PCT/US2020/063351)
[87] (WO2021/113665)
[30] US (62/944,166) 2019-12-05

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[13] A1
[51] **Int.Cl. A61F 2/852 (2013.01)**
[25] EN
[54] **DEVICES AND SYSTEMS FOR IMPROVING STENT PERFORMANCE**
[54] **DISPOSITIFS ET SYSTEMES POUR AMELIORER LES PERFORMANCES DE STENTS**
[72] BALMFORTH, PETER KENNETH, GB
[72] SPENCER, DARREN, GB
[72] SOBOTKA, PAUL, GB
[72] BRENNEMAN, RODNEY, GB
[71] DP HOLDING (UK) LIMITED, GB
[85] 2022-06-02
[86] 2020-12-04 (PCT/US2020/063450)
[87] (WO2021/113738)
[30] US (62/944,466) 2019-12-06

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[13] A1
[51] **Int.Cl. C30B 25/10 (2006.01) C30B 25/12 (2006.01) C30B 25/16 (2006.01) C30B 25/18 (2006.01) C30B 29/04 (2006.01)**
[25] EN
[54] **METHOD OF GROWING SINGLE CRYSTAL DIAMOND ASSISTED BY POLYCRYSTALLINE DIAMOND GROWTH**
[54] **PROCEDE DE CROISSANCE DE DIAMANT MONOCRISTALLIN ASSISTE PAR CROISSANCE DE DIAMANT POLYCRISTALLIN**
[72] BASNETT, ROBERT J., US
[72] BASNETT, ANDREW FRANCIS, US
[72] CHARRIS-HERNANDEZ, AMANDA, US
[72] HOLBER, WILLIAM, US
[72] WADE, TRAVIS CHARLES, US
[72] BROWN, ADAM JAMES, US
[71] PLASMABILITY, LLC, US
[85] 2022-06-02
[86] 2020-12-07 (PCT/US2020/063585)
[87] (WO2021/118923)
[30] US (62/945,180) 2019-12-08

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[13] A1
[51] **Int.Cl. G06Q 50/06 (2012.01) H02J 3/14 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **SYSTEMS AND APPARATUSES TO AGGREGATE DISTRIBUTED ENERGY RESOURCES**
[54] **SYSTEMES ET APPAREILS D'AGREGATION DE RESSOURCES ENERGETIQUES DECENTRALISEES**
[72] FIFE, JOHN MICHAEL, US
[71] ENEL X S.R.L., IT
[85] 2022-06-02
[86] 2020-12-07 (PCT/US2020/063614)
[87] (WO2021/113819)
[30] US (62/944,893) 2019-12-06

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[13] A1
[51] **Int.Cl. G06F 21/57 (2013.01) G06F 8/654 (2018.01)**
[25] EN
[54] **PACKAGE-BASED REMOTE FIRMWARE UPDATE**
[54] **MISE A JOUR DE MICROLOGICIEL A DISTANCE BASEE SUR DES PAQUETAGES**
[72] SCHACK, AUGUST W., US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-06-02
[86] 2020-12-11 (PCT/US2020/064516)
[87] (WO2021/119430)
[30] US (16/712,310) 2019-12-12

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[13] A1
[51] **Int.Cl. G09F 3/12 (2006.01) A01K 11/00 (2006.01) A61D 1/00 (2006.01) G09F 3/00 (2006.01) G09F 3/08 (2006.01)**
[25] EN
[54] **VACCINATION IDENTIFICATION BUTTON FOR ELECTRONIC IDENTIFICATION BUTTON TAGS TO IDENTIFY CATTLE AS BEING INOCULATED AGAINST BRUCELLOSIS, AND KITS AND METHODS RELATED THERETO**
[54] **BOUTON D'IDENTIFICATION DE VACCINATION POUR ETIQUETTES BOUTONS D'IDENTIFICATION ELECTRONIQUE POUR IDENTIFIER DU BETAIL COMME ETANT INOCULE CONTRE LA BRUCELLOSE, ET KITS ET PROCEDE S ASSOCIES**
[72] MCELHANY, DAVID, US
[71] ALLFLEX USA INC., US
[85] 2022-06-02
[86] 2020-12-15 (PCT/US2020/065032)
[87] (WO2021/126810)
[30] US (62/950,607) 2019-12-19

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[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/52 (2006.01) C12N 15/67 (2006.01) C12N 15/70 (2006.01) C12P 13/24 (2006.01)**
[25] EN
[54] **ENHANCED PRODUCTION OF HISTIDINE, PURINE PATHWAY METABOLITES, AND PLASMID DNA**
[54] **PRODUCTION AMELIOREE D'HISTIDINE, DE METABOLITES DE LA VOIE PURINE ET D'ADN PLASMIDIQUE**
[72] CHATZIVASILEIOU, ALKIVIADIS ORFEFS, US
[72] KING, JASON, US
[72] MAK, HUEY-MING, US
[72] RODIGUEZ, GABRIEL, US
[72] WRENBECK, EMILY E., US
[72] YOUNG, DAVID, US
[71] GINKGO BIOWORKS, INC., US
[85] 2022-06-02
[86] 2020-12-16 (PCT/US2020/065286)
[87] (WO2021/126961)
[30] US (62/948,730) 2019-12-16
[30] US (62/994,901) 2020-03-26
[30] US (63/044,925) 2020-06-26

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[13] A1
[51] **Int.Cl. A61L 29/16 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **MEDICAL PRODUCTS INCLUDING SILVER ANTIMICROBIAL, HYDRATION MEDIUM AND A STABILIZING AGENT**
[54] **PRODUITS MEDICAUX COMPRENANT UN AGENT ANTIMICROBIEN A BASE D'ARGENT, UN MILIEU D'HYDRATATION ET UN AGENT DE STABILISATION**
[72] SILEIKA, TADAS S., US
[72] DEAN, NICOLE L., US
[72] PETTIGREW, JACQUELINE MJ, US
[71] HOLLISTER INCORPORATED, US
[85] 2022-06-02
[86] 2020-12-16 (PCT/US2020/065403)
[87] (WO2021/127040)
[30] US (62/951,740) 2019-12-20

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[13] A1
[51] **Int.Cl. G06N 5/02 (2006.01)**
[25] EN
[54] **SYSTEM FOR INTEGRATING DATA FOR CLINICAL DECISIONS**
[54] **SYSTEME D'INTEGRATION DE DONNEES POUR DECISIONS CLINIQUES**
[72] ESMAILIAN, MARKARIT, US
[72] ECHOLS-BOOTH, MARCUS, US
[72] SEZAN, MUHAMMED IBRAHIM, US
[72] HALL, ADRIAN, US
[71] ILLUMESENSE INC., US
[85] 2022-06-02
[86] 2020-12-17 (PCT/US2020/065697)
[87] (WO2021/127239)
[30] US (62/950,684) 2019-12-19
[30] US (62/950,691) 2019-12-19
[30] US (62/950,671) 2019-12-19
[30] US (62/950,697) 2019-12-19
[30] US (62/950,704) 2019-12-19

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[13] A1
[51] **Int.Cl. G16H 20/00 (2018.01) G16H 20/10 (2018.01) G16H 20/17 (2018.01) G16H 20/60 (2018.01)**
[25] EN
[54] **MANAGING BOLUS DOSES**
[54] **GESTION DE DOSES DE BOLUS**
[72] JEPSON, LAUREN HRUBY, US
[72] CONSTANTIN, ALEXANDRA ELENA, US
[72] VOGEL, MATTHEW T., US
[72] HANNEMANN, CHRISTOPHER ROBERT, US
[72] HASEYAMA, TODD N., US
[72] KAMATH, APURV ULLAS, US
[72] PICKUS, SARAH KATE, US
[72] VANSLYKE, STEPHEN J., US
[72] TURKSOY, KAMURAN, US
[72] ESMAILI, GHAZALEH R., US
[72] ZIEGLER, LEAH, US
[71] DEXCOM, INC., US
[85] 2022-06-02
[86] 2020-12-22 (PCT/US2020/066717)
[87] (WO2021/141777)
[30] US (62/958,636) 2020-01-08

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[13] A1
[51] **Int.Cl. B62J 50/22 (2020.01) B62J 45/00 (2020.01) B62J 45/20 (2020.01) B62J 6/02 (2020.01)**
[25] EN
[54] **MICRO-MOBILITY FLEET VEHICLE COCKPIT ASSEMBLY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES POUR ENSEMBLE COKPIT D'UN VEHICULE DE FLOTTE DE MICRO-MOBILITE**
[72] LUEDTKE, PETER REX, US
[72] JOHNSON, KELLY ERIN, US
[72] GARCIA, ALEJANDRO SALVADOR, US
[72] PHALGAONKAR, SANKET PARSHURAM, US
[71] LYFT, INC., US
[85] 2022-06-02
[86] 2020-12-24 (PCT/US2020/067008)
[87] (WO2021/134009)
[30] US (16/729,070) 2019-12-27

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[13] A1
[51] **Int.Cl. H01F 38/14 (2006.01)**
[25] EN
[54] **SAFETY CIRCUITS FOR WIRELESS POWER TRANSFER**
[54] **CIRCUITS DE SECURITE POUR TRANSFERT D'ENERGIE SANS FIL**
[72] WOLGEMUTH, JOHN MILLER, US
[71] MOMENTUM DYNAMICS CORPORATION, US
[85] 2022-06-02
[86] 2020-12-29 (PCT/US2020/067339)
[87] (WO2021/211177)
[30] US (63/010,771) 2020-04-16
[30] US (16/952,933) 2020-11-19

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[13] A1
[51] **Int.Cl. A61F 2/08 (2006.01) A61F 2/30 (2006.01)**
[25] EN
[54] **IMPLANT AND RELATED METHODS**
[54] **IMPLANT ET PROCEDES ASSOCIES**
[72] DACOSTA, ALBERT, US
[72] ALLARD, RANDALL, US
[72] GILL, SEAN, US
[72] DEVASCONCELLOS, PAUL, US
[72] HARTSON, KYLE, US
[71] PARAGON 28, INC., US
[85] 2022-06-02
[86] 2020-12-04 (PCT/US2020/070866)
[87] (WO2021/113874)
[30] US (62/944,728) 2019-12-06

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[13] A1
[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/14 (2006.01)**
[25] EN
[54] **INDIVIDUALIZED DIALYSIS WITH INLINE SENSOR**
[54] **DIALYSE INDIVIDUALISEE AVEC CAPTEUR EN LIGNE**
[72] KALASKAR, SHASHIKANT DATTATRAYA, US
[72] WANG, VIVIAN CHANGNA, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-06-02
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[87] (WO2021/154616)
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[54] **ELECTROPHORETIC DISPLAY LAYER WITH THIN FILM TOP ELECTRODE**
[54] **COUCHE D'AFFICHAGE ELECTROPHORETIQUE A ELECTRODE SUPERIEURE EN FILM MINCE**
[72] MURARI, NISHIT, US
[72] KAMAEV, PAVEL, US
[72] MILLER, DAVID DARRELL, US
[72] PAOLINI, RICHARD J., JR., US
[72] ANSETH, JAY WILLIAM, US
[71] E INK CORPORATION, US
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[51] **Int.Cl. A61F 2/24 (2006.01)**
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[54] **CONTROLLABLE GUIDING DEVICE FOR IMPLANTABLE APPARATUS**
[54] **DISPOSITIF DE GUIDAGE COMMANDABLE POUR APPAREIL IMPLANTABLE**
[72] LV, SHIWEN, CN
[72] CHEN, ZHI, CN
[72] XU, JIN, CN
[71] JENSCARE SCIENTIFIC CO., LTD., CN
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[54] **HEAT EXCHANGER SYSTEM WITH MACHINE-LEARNING BASED OPTIMIZATION**
[54] **SYSTEME D'ECHANGEUR DE CHALEUR A OPTIMISATION PAR APPRENTISSAGE MACHINE**
[72] ROUSSELET, YOHANN LILIAN, US
[72] LITWACK, ELLIE M., US
[71] BALTIMORE AIRCOIL COMPANY, INC., US
[85] 2022-06-01
[86] 2020-12-11 (PCT/US2020/064459)
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[30] US (62/946,778) 2019-12-11

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[54] **FUNCTION-AS-A-SERVICE CLOUD CHATBOT FOR TWO-WAY COMMUNICATION SYSTEMS**
[54] **ROBOT CONVERSATIONNEL EN NUAGE DE FONCTION EN TANT QUE SERVICE POUR SYSTEMES DE COMMUNICATION BIDIRECTIONNELLE**
[72] THUM, CHRISTIAN, US
[72] REIZ, ROBERT, US
[72] GILCHREST, ALAN, US
[72] ROTARU, ANDREAS, US
[72] PELCZER, SIMON, US
[71] LIVEPERSON, INC., US
[85] 2022-06-01
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[25] EN
[54] **DECREASED CRACKING SUSCEPTIBILITY OF 7XXX SERIES DIRECT CHILL (DC) CAST INGOTS**
[54] **REDUCTION DE LA SUSCEPTIBILITE A LA FISSURATION DE LINGOTS COULES A REFROIDISSEMENT DIRECT (DC) DE SERIE 7XXX**
[72] WAGSTAFF, SAMUEL ROBERT, US
[72] WAGSTAFF, ROBERT BRUCE, US
[71] NOVELIS INC., US
[85] 2022-06-01
[86] 2020-12-18 (PCT/US2020/065919)
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[54] **CATALYST WITH VANADIUM TRAP**
[54] **CATALYSEUR AVEC PIEGE A VANADIUM**
[72] LI, MIN, US
[72] FOSTER, EDWARD L., US
[71] ALBEMARLE CORPORATION, US
[85] 2022-06-01
[86] 2020-12-18 (PCT/US2020/066091)
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[54] **WELL CONTROL SEALING SYSTEM**
[54] **SYSTEME D'ETANCHEITE DE CONTROLE DE PUITS**
[72] ANGSTMANN, STEVEN, US
[72] GALLAGHER, BOBBY, US
[72] GALLAGHER, BILLY, US
[72] LAIRD, SEAN, US
[71] KINETIC PRESSURE CONTROL LTD., US
[85] 2022-06-01
[86] 2021-01-06 (PCT/US2021/012325)
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[25] EN
[54] **SEALS FOR MULTI-SURFACE SEALING**
[54] **JOINTS D'ETANCHEITE POUR SCELLEMENT MULTI-SURFACE**
[72] ANGSTMANN, STEVEN, US
[72] GALLAGHER, BOBBY, US
[72] GALLAGHER, BILLY, US
[72] LAIRD, SEAN, US
[71] KINETIC PRESSURE CONTROL LTD., US
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[25] EN
[54] **A STRUCTURE SYSTEM AND A PRODUCTION METHOD THEREOF**
[54] **SYSTEME DE STRUCTURE ET SON PROCEDE DE PRODUCTION**
[72] SAVKAY, BERKAY HAKKI, TR
[71] SAVKAY, BERKAY HAKKI, TR
[85] 2022-06-02
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[54] **ENDOSCOPIC CANNULAS AND RELATED METHODS**
[54] **CANULES ENDOSCOPIQUES ET PROCEDES ASSOCIES**
[72] WINEGAR, THOMAS WILLIAM, US
[72] GAROFALO, ROSEMARY MICHELLE, US
[71] COOPERSURGICAL, INC., US
[85] 2022-06-02
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[25] EN
[54] **DIALYZER MANUFACTURING TOOL**
[54] **OUTIL DE FABRICATION DE DIALYSEUR**
[72] VIRGIL, BRYCE AARON, US
[72] COWER, BILL RAY, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-06-02
[86] 2020-11-18 (PCT/US2020/061110)
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[51] **Int.Cl. G16H 10/40 (2018.01) G16H 40/63 (2018.01)**
[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR MANAGING OPERATION OF DIAGNOSTIC TESTING INSTRUMENTS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE GESTION D'INSTRUMENTS DE TESTS DIAGNOSTIQUES**
[72] BASFORD, ERIC CHRISTOPHER, US
[72] BOWIE, JASON, US
[72] DAVIS, CRAIG TAYLOR, US
[72] DOUGLASS, KEITH, US
[72] HYSON, REGINA, US
[71] IDEXX LABORATORIES, INC., US
[85] 2022-06-02
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[25] EN
[54] **WIRELESS ELECTRICAL STIMULATION SYSTEM**
[54] **SYSTEME DE STIMULATION ELECTRIQUE SANS FIL**
[72] CHEN, ERIC YE, US
[71] HI-DOW IPHC, INC., US
[85] 2022-06-02
[86] 2020-12-01 (PCT/US2020/062758)
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[25] FR
[54] **METHOD FOR COGENERATING A SHARED CRYPTOGRAPHIC MATERIAL, DEVICES, SYSTEM AND CORRESPONDING COMPUTER PROGRAM**
[54] **PROCEDE DE COGENERATION D'UN MATERIEL CRYPTOGRAPHIQUE PARTAGE, DISPOSITIFS, SYSTEME ET PROGRAMME D'ORDINATEUR CORRESPONDANT**
[72] GERAUD, REMI, FR
[71] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[85] 2022-06-03
[86] 2020-11-25 (PCT/EP2020/083427)
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[25] EN
[54] **WEARABLE DEVICE**
[54] **DISPOSITIF PORTABLE**
[72] FLEURY, AMANDA, CA
[72] AIMONE, CHRISTOPHER ALLEN, CA
[72] ZACHAROWSKA, MARTA JOANNA, CA
[72] MACKENZIE, SAMUEL THOMAS, CA
[72] MATUTE, NATHALY ARRAIZ, CA
[72] KERR, SAM, CA
[72] GREENLEAF, WALTER JOHN, US
[71] INTERAXON INC., CA
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[51] **Int.Cl. A47J 31/46 (2006.01) A47J 31/24 (2006.01)**
[25] EN
[54] **A FLUID-PROCESSING DEVICE FOR A BEVERAGE PREPARATION MACHINE**
[54] **DISPOSITIF DE TRAITEMENT DE FLUIDE POUR UNE MACHINE DE PREPARATION DE BOISSONS**
[72] TALON, CHRISTIAN, CH
[72] HEYDEL, CHRISTOPHE SEBASTIEN PAUL, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-06-03
[86] 2020-12-01 (PCT/EP2020/084064)
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[51] **Int.Cl. C22B 1/02 (2006.01) C01B 32/60 (2017.01) C01F 17/10 (2020.01) B01D 11/02 (2006.01) C22B 3/04 (2006.01) C22B 3/46 (2006.01) C22B 59/00 (2006.01)**
[25] EN
[54] **PROCESS OF RARE EARTH RECOVERY FROM ORES CONTAINING BASTNAESITE**
[54] **PROCEDE DE RECUPERATION DE TERRE RARE A PARTIR DE MINERAIS CONTENANT DE LA BASTNAESITE**
[72] ZHANG, JACK, CA
[72] ZHAO, BAODONG, CA
[71] THE SASKATCHEWAN RESEARCH COUNCIL, CA
[85] 2022-06-03
[86] 2021-02-19 (PCT/CA2021/050184)
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[51] **Int.Cl. A61K 39/00 (2006.01)**
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[54] **TUMOR CELL VACCINES**
[54] **VACCINS CONTRE LES CELLULES TUMORALES**
[72] FERRARO, BERNADETTE, US
[72] ARNDT, JUSTIN JAMES, US
[72] BINDER, TODD MERRILL, US
[72] DOLGOTER, ALEKSANDR, US
[72] HUNDT, MATTHIAS, US
[72] LEWIS, AMRITHA BALAKRISHNAN, US
[72] MOHLER, KENDALL M., US
[72] SHAWLER, DANIEL LEE, US
[72] YAN, JIAN, US
[71] NEUVOGEN, INC., US
[85] 2022-06-02
[86] 2020-12-02 (PCT/US2020/062840)
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[54] **MACROCYCLES FOR USE IN TREATING DISEASE**
[54] **MACROCYCLES DESTINES A ETRE UTILISES DANS LE TRAITEMENT D'UNE MALADIE**
[72] ROGERS, EVAN W., US
[72] UNG, JANE, US
[72] NGUYEN, VIVIAN, US
[72] ZHAI, DAYONG, US
[72] DENG, WEI, US
[72] CUI, JINGRONG J., US
[71] TURNING POINT THERAPEUTICS, INC., US
[85] 2022-06-02
[86] 2020-12-02 (PCT/US2020/062859)
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[51] **Int.Cl. B05C 5/00 (2006.01) B41J 2/04 (2006.01) B41J 2/14 (2006.01)**
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[54] **PRINTHEAD**
[54] **TETE DE PRESSION**
[72] WOHLGEMUTH, KURT, IT
[71] PROGRESS MASCHINEN & AUTOMATION AG, IT
[71] METALLCONCEPT GMBH, IT
[85] 2022-06-03
[86] 2020-12-02 (PCT/EP2020/084321)
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[25] EN
[54] **DEVICES FOR THE TREATMENT OF BENIGN PROSTATIC HYPERPLASIA AND RELATED LOWER URINARY TRACT SYMPTOMS**
[54] **DISPOSITIFS POUR LE TRAITEMENT DE L'HYPERPLASIE BENIGNE DE LA PROSTATE ET DE SYMPTOMES ASSOCIES DES VOIES URINAIRES INFERIEURES**
[72] VENKATESWARA-RAO, KONDAPAVULUR T., US
[72] JEN, JIMMY, US
[72] ZARETZKA, DAN, TW
[72] CHANG, KENNETH CHI-PING, US
[71] PRODEON MEDICAL CORPORATION, TW
[85] 2022-06-02
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[25] EN
[54] **ROOF UNDERLAYMENT**
[54] **SOUS-COUCHE DE TOIT**
[72] EL-TAHLAWY, KHALED, US
[72] KULKARNI, AMEET, US
[71] SHURTAPE TECHNOLOGIES, LLC, US
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[86] 2020-12-02 (PCT/US2020/062922)
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[30] US (62/942,460) 2019-12-02

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[51] **Int.Cl. F16H 59/16 (2006.01) G01D 5/347 (2006.01) G01L 3/10 (2006.01) G01L 3/12 (2006.01)**
[25] EN
[54] **DEVICE FOR DETERMINING THE TORQUE AND/OR ROTATIONAL ANGLE BETWEEN A FIRST SHAFT AND A SECOND SHAFT**
[54] **DISPOSITIF DE DETERMINATION DU COUPLE ET/OU DE L'ANGLE DE ROTATION ENTRE UN PREMIER ARBRE ET UN SECOND ARBRE**
[72] SIRAKY, JOSEF, DE
[71] NEURA ROBOTICS GMBH, DE
[85] 2022-06-03
[86] 2020-11-27 (PCT/EP2020/083728)
[87] (WO2021/115805)
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[51] **Int.Cl. C12N 15/52 (2006.01) C12N 9/22 (2006.01) C12N 15/62 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING A NUCLEASE AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT UNE NUCLEASE ET LEURS UTILISATIONS**
[72] SCOTT, DAVID A., US
[72] YAN, WINSTON X., US
[72] CHENG, DAVID R., US
[72] DITOMMASO, TIA M., US
[71] ARBOR BIOTECHNOLOGIES, INC., US
[85] 2022-06-02
[86] 2020-12-03 (PCT/US2020/063125)
[87] (WO2021/113522)
[30] US (62/943,680) 2019-12-04

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[51] **Int.Cl. H01L 31/046 (2014.01) H01L 31/048 (2014.01) H01L 51/44 (2006.01)**
[25] EN
[54] **PROTECTIVE ENCAPSULATION OF SOLAR SHEETS**
[54] **ENCAPSULATION DE PROTECTION DE FEUILLES SOLAIRES**
[72] GRIFFITH, OLGA, US
[72] BARITO, ADAM, US
[71] NANOFLEX POWER CORPORATION, US
[85] 2022-06-02
[86] 2020-12-03 (PCT/US2020/063131)
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[30] US (62/942,897) 2019-12-03

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[51] **Int.Cl. B01J 3/04 (2006.01) B01J 6/00 (2006.01) B01J 7/00 (2006.01) B01J 12/00 (2006.01) B01J 19/32 (2006.01)**
[25] EN
[54] **GAS HEATER**
[54] **DISPOSITIF DE CHAUFFAGE DE GAZ**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] LARSEN, KASPER EMIL, DK
[72] AASBERG-PETERSEN, KIM, DK
[72] KLEIN, ROBERT, DK
[71] HALDOR TOPSOE A/S, DK
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[86] 2020-12-03 (PCT/EP2020/084414)
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[30] EP (19213438.5) 2019-12-04

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/39 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMPOUNDS FOR METHODS OF USE IN INSULIN RESISTANCE**
[54] **COMPOSES THERAPEUTIQUES POUR METHODES D'UTILISATION DANS LA RESISTANCE A L'INSULINE**
[72] MITCH, WILLIAM E., US
[72] ZHANG, LIPING, US
[72] TWEARDY, DAVID J., US
[72] ALIBHAI, IMRAN, US
[72] DE ACHAVAL, SOFIA, US
[71] BAYLOR COLLEGE OF MEDICINE, US
[71] TVARDI THERAPEUTICS, INC., US
[85] 2022-06-02
[86] 2020-12-03 (PCT/US2020/063167)
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[51] **Int.Cl. A61B 17/34 (2006.01)**
[25] EN
[54] **NEEDLING DEVICES AND PENETRATION DEPTHS**
[54] **DISPOSITIFS DE PONCTION ET PROFONDEURS DE PENETRATION**
[72] CHASTAIN, DAVID, US
[72] PATEL, RAJAN, US
[72] BHARDWAJ, JASON VENKAT, US
[71] FOLLICA, INC., US
[85] 2022-06-02
[86] 2020-12-04 (PCT/US2020/063194)
[87] (WO2021/113565)
[30] US (62/944,232) 2019-12-05

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[13] A1
[51] **Int.Cl. B01J 23/885 (2006.01) B01J 19/24 (2006.01) B01J 35/04 (2006.01)**
[25] EN
[54] **ENDOTHERMIC REACTION OF A FEED GAS HEATED BY RESISTANCE HEATING**
[54] **REACTION ENDOTHERMIQUE D'UN GAZ D'ALIMENTATION CHAUFFE PAR CHAUFFAGE PAR RESISTANCE**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] LARSEN, KASPER EMIL, DK
[72] WISMANN, SEBASTIAN THOR, DK
[72] AASBERG-PETERSEN, KIM, DK
[72] BUUS BENDIXEN, FLEMMING, DK
[72] VALLER, PETER, DK
[72] SOREA, ALEXANDRU, DK
[71] HALDOR TOPSOE A/S, DK
[71] GRUNDFOS HOLDING A/S, DK
[85] 2022-06-03
[86] 2020-12-03 (PCT/EP2020/084417)
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[30] EP (19213445.0) 2019-12-04

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[51] **Int.Cl. B65B 1/36 (2006.01) C03C 17/00 (2006.01) C03C 17/22 (2006.01) C03C 21/00 (2006.01) C03C 23/00 (2006.01)**
[25] EN
[54] **INSTALLATION FOR TREATING GLASS CONTAINERS COMPRISING A CHAMBER FOR METERING TREATMENT SUBSTANCE HAVING A DOUBLE SHUTTER, AND ASSOCIATED METHOD**
[54] **INSTALLATION DE TRAITEMENT DE RECIPIENTS EN VERRE COMPRENANT UNE CHAMBRE DE DOSAGE DE SUBSTANCE DE TRAITEMENT A DOUBLE OBTURATEUR ET PROCEDE AFFERENT**
[72] ETCHEPARE, PIERRE-LUC, FR
[72] DEPOILLY, CHRISTOPHE, FR
[72] ZHANG, JINGWEI, FR
[71] SGD S.A., FR
[85] 2022-06-03
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[30] FR (FR1913822) 2019-12-05

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[51] **Int.Cl. H01B 13/012 (2006.01) H01B 13/22 (2006.01) H01R 24/00 (2011.01) H01R 31/00 (2006.01)**
[25] EN
[54] **WIRING HARNESS DEVICES, ASSEMBLIES AND METHODS THEREFOR**
[54] **DISPOSITIFS DE FAISCEAU DE CABLAGE, ENSEMBLES ET PROCEDES ASSOCIES**
[72] KUMAR, RAJEEV, CA
[72] KUMAR, RAKESH, CA
[71] ILUX ELECTRIC (CABLAGE KUMAR INC.), CA
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[30] US (17/121,311) 2020-12-14

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[51] **Int.Cl. C09K 8/035 (2006.01) C09K 8/52 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **SYNERGISTIC BLENDS OF ANTI-AGGLOMERANT GAS HYDRATE INHIBITORS WITH QUATERNARY ALKYL AMMONIUM COMPOUNDS**
[54] **MELANGES SYNERGIQUES D'INHIBITEURS D'HYDRATES DE GAZ ANTI-AGGLOMERANTS AVEC DES COMPOSES AMMONIUM D'ALKYLE QUATERNAIRE**
[72] LEINWEBER, DIRK, DE
[72] WARD, ZACHARY THOMAS, US
[72] HOVELMANN, FELIX, DE
[72] WYLDE, JONATHAN, US
[72] KRULL, MATTHIAS, DE
[71] CLARIANT INTERNATIONAL LTD, CH
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[86] 2020-12-04 (PCT/EP2020/084714)
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[30] US (62/946679) 2019-12-11
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[25] EN
[54] **REPROFILING METHOD ON AT LEAST ONE RAIL**
[54] **PROCEDE DE REPROFILAGE D'AU MOINS UN RAIL**
[72] HOFMANN, STEFAN, AT
[71] MATE GMBH, AT
[85] 2022-06-03
[86] 2020-12-04 (PCT/AT2020/060432)
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[30] AT (A51056/2019) 2019-12-04

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[54] **USER VOICE DETECTOR DEVICE AND METHOD USING IN-EAR MICROPHONE SIGNAL OF OCCLUDED EAR**
[54] **DISPOSITIF ET PROCEDE DE DETECTION DE VOIX D'UTILISATEUR UTILISANT UN SIGNAL DE MICROPHONE INTRA-AURICULAIRE D'UNE OREILLE OCCLUSE**
[72] MONSARRAT-CHANON, HAMI, CA
[71] EERS GLOBAL TECHNOLOGIES INC., CA
[85] 2022-06-03
[86] 2020-12-03 (PCT/CA2020/000131)
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[25] EN
[54] **POLYPEPTIDES COMPRISING IMMUNOGLOBULIN SINGLE VARIABLE DOMAINS TARGETING TNFA AND OX40L**
[54] **POLYPEPTIDES COMPRENANT DES DOMAINES VARIABLES UNIQUES D'IMMUNOGLOBULINE CIBLANT TNFA ET OX40L**
[72] ROMMELAERE, HEIDI, BE
[72] BRIGE, ANN, BE
[72] CORNELIS, SIGRID, BE
[72] FLORIAN, PETER, DE
[72] HEYNINCK, KAREN, BE
[72] KREUTZBERG, THOMAS, DE
[72] LEEUW, THOMAS, DE
[72] LORENT, ERIC, BE
[72] SERCAN ALP, OEZEN, DE
[72] SIBENHORN, GERTRUD, DE
[71] ABLYNX NV, BE
[71] SANOFI, FR
[85] 2022-06-03
[86] 2020-12-03 (PCT/EP2020/084431)
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[25] EN
[54] **FLUID-BORNE PARTICLE CLASSIFICATION SYSTEM AND METHOD OF USE**
[54] **SYSTEME DE CLASSIFICATION DE PARTICULES TRANSPORTEES PAR UN FLUIDE ET PROCEDE D'UTILISATION**
[72] HAMZEH, NIJAD, CA
[71] IRON ORE COMPANY OF CANADA, CA
[85] 2022-06-03
[86] 2020-12-04 (PCT/CA2020/051667)
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[30] US (62/944,581) 2019-12-06

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[51] **Int.Cl. H04B 10/116 (2013.01) G06K 9/00 (2022.01)**
[25] EN
[54] **POSITIONING AND IDENTIFICATION OF ELECTRONIC LABELS USING A CAMERA**
[54] **POSITIONNEMENT ET IDENTIFICATION D'ETIQUETTES ELECTRONIQUES A L'AIDE D'UNE CAMERA**
[72] NILSSON, BJORN, SE
[72] IVANOVSKI, ALEKSANDER, SE
[71] PRICER AB, SE
[85] 2022-06-03
[86] 2020-12-04 (PCT/EP2020/084734)
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[54] **MATRIX BASED INTRA PREDICTION WITH MODE-GLOBAL SETTINGS**
[54] **PREDICTION INTRA BASEE SUR UNE MATRICE AVEC DES REGLAGES DE MODE-GLOBAL**
[72] PFAFF, JONATHAN, DE
[72] HINZ, TOBIAS, DE
[72] HELLE, PHILIPP, DE
[72] MERKLE, PHILIPP, DE
[72] STALLENBERGER, BJORN, DE
[72] SCHAFER, MICHAEL, DE
[72] BROSS, BENJAMIN, DE
[72] WINKEN, MARTIN, DE
[72] SIEKMANN, MISCHA, DE
[72] SCHWARZ, HEIKO, DE
[72] MARPE, DETLEV, DE
[72] WIEGAND, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[25] EN
[54] **ASSOCIATING PRODUCT TYPES AND ELECTRONIC LABELS USING A CAMERA**
[54] **ASSOCIATION DE TYPES DE PRODUITS ET D'ETIQUETTES ELECTRONIQUES A L'AIDE D'UNE CAMERA**
[72] HULTH, NILS, SE
[71] PRICER AB, SE
[85] 2022-06-03
[86] 2020-12-04 (PCT/EP2020/084743)
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[30] EP (19213686.9) 2019-12-04

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[25] EN
[54] **A METHOD OF AND A COMPOSITION FOR CONTROLLING GAS HYDRATE BLOCKAGE THROUGH THE ADDITION OF A SYNERGISTICALLY ACTING BLEND WITH A QUATERNARY ALKYL AMMONIUM COMPOUND**
[54] **PROCEDE ET COMPOSITION POUR COMMANDER LE BLOCAGE D'HYDRATE DE GAZ PAR L'AJOUT D'UN MELANGE A ACTION SYNERGIQUE COMPRENANT UN COMPOSE D'AMMONIUM ALKYLE QUATERNAIRE**
[72] LEINWEBER, DIRK, DE
[72] WARD, ZACHARY THOMAS, US
[72] HOVELMANN, FELIX, DE
[72] WYLDE, JONATHAN, US
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2022-06-03
[86] 2020-12-04 (PCT/EP2020/084717)
[87] (WO2021/115968)
[30] US (62/946679) 2019-12-11
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[25] EN
[54] **A METHOD OF AND A COMPOSITION FOR CONTROLLING GAS HYDRATE BLOCKAGE THROUGH THE ADDITION OF A SYNERGISTICALLY ACTING BLEND WITH A QUATERNARY BENZYL AMMONIUM COMPOUND**
[54] **PROCEDE ET COMPOSITION DE REGULATION D'UN BLOCAGE DE GAZ HYDRATE PAR L'ADDITION D'UN MELANGE AGISSANT EN SYNERGIE AVEC UN COMPOSE DE BENZYLAMMONIUM QUATERNAIRE**
[72] LEINWEBER, DIRK, DE
[72] WARD, ZACHARY THOMAS, US
[72] HOVELMANN, FELIX, DE
[72] WYLDE, JONATHAN, US
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2022-06-03
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[51] **Int.Cl. A61K 38/20 (2006.01) A61K 39/395 (2006.01) C07K 14/54 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION IMMUNOTHERAPY OF IL-15 AND CD40 AGONIST IN CANCER TREATMENT**
[54] **IMMUNOTHERAPIE COMBINEE D'AGONISTES IL-15 ET CD40 DANS LE TRAITEMENT DU CANCER**
[72] SMITS, EVELIEN, BE
[72] VANAUDENAERDE, JONAS, BE
[72] PEETERS, MARC, BE
[71] UNIVERSITEIT ANTWERPEN, BE
[71] UNIVERSITAIR ZIEKENHUIS ANTWERPEN, BE
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[86] 2020-12-04 (PCT/EP2020/084665)
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[25] EN
[54] **USE AND PHARMACEUTICAL COMPOSITION OF PHENYLISOXAZOLYL METHYLENE-NAPHTHALENE-ETHER DERIVATIVES**
[54] **UTILISATION ET COMPOSITION PHARMACEUTIQUE DE DERIVES DE PHENYLISOXAZOLYL METHYLENE-NAPHTALENE-ETHER**
[72] YANG, BAILING, CN
[72] KRISTJAN, GUDMUNDSSON, CN
[72] DONG, LIUYU, CN
[72] CHEN, JAMES, CN
[71] GANNEX PHARMA CO., LTD., CN
[85] 2022-06-03
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[87] (WO2021/109713)
[30] CN (PCT/CN2019/122595) 2019-12-03

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[51] **Int.Cl. A23L 33/00 (2016.01)**
[25] EN
[54] **INFANT FORMULA**
[54] **PREPARATION POUR NOURRISSONS**
[72] BLANCHARD, CARINE, CH
[72] HOLVOET, SEBASTIEN, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-06-03
[86] 2020-12-28 (PCT/EP2020/087901)
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[51] **Int.Cl. G06N 3/12 (2006.01) G06F 9/44 (2018.01)**
[25] EN
[54] **USING GENETIC PROGRAMMING TO CREATE GENERIC BUILDING BLOCKS**
[54] **UTILISATION D'UNE PROGRAMMATION GENETIQUE POUR CREER DES BLOCS FONCTIONNELS GENERIQUES**
[72] LANDAETA, DAVID JAMES, US
[71] NATURAL COMPUTATION LLC, US
[85] 2022-06-03
[86] 2020-01-30 (PCT/US2020/015873)
[87] (WO2021/112899)
[30] US (62/944,468) 2019-12-06

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[51] **Int.Cl. A61K 31/473 (2006.01) A61P 11/00 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **DIHYDRO-CYCLOPENTA-ISOQUINOLINE DERIVATIVES**
[54] **DERIVES DE DIHYDRO-CYCLOPENTA-ISOQUINOLINE**
[72] NORMAN, TIMOTHY JOHN, GB
[72] HEER, JAG PAUL, GB
[72] PHILPS, OLIVER, GB
[72] PITT, WILLIAM ROSS, GB
[72] MADDEN, JAMES, GB
[72] YOUSUF, ZESHAN, GB
[71] UCB BIOPHARMA SRL, BE
[85] 2022-06-03
[86] 2020-12-22 (PCT/EP2020/087681)
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[30] GB (1919210.3) 2019-12-23

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[13] A1
[51] **Int.Cl. B60T 7/12 (2006.01) B60T 13/66 (2006.01)**
[25] EN
[54] **PARKING BRAKE APPARATUS AND METHOD THEREFOR**
[54] **APPAREIL DE FREIN DE STATIONNEMENT**
[72] ZULA, DANIEL P., US
[72] HUTCHINS, CHRISTOPHER H., US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2022-06-03
[86] 2020-11-16 (PCT/US2020/060657)
[87] (WO2021/118758)
[30] US (16/709,280) 2019-12-10

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[51] **Int.Cl. A61K 31/352 (2006.01) A61K 9/00 (2006.01) A61P 39/06 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITIONS CONTAINING ROSE OIL AND CANNABIDIOL AND METHODS OF MAKING AND USING THE SAME**
[54] **COMPOSITIONS TOPIQUES CONTENANT DE L'HUILE DE ROSE ET DU CANNABIDIOL ET PROCEDES POUR LEUR PREPARATION ET UTILISATION**
[72] MULLEN, JUSTINE, US
[72] BUTHION, ANNE SCHLESSELMAN, US
[71] JLABS BEAUTY LLC, US
[85] 2022-06-03
[86] 2020-11-19 (PCT/US2020/061246)
[87] (WO2021/113083)
[30] US (62/944,613) 2019-12-06

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[51] **Int.Cl. G01B 9/02091 (2022.01) G02B 21/00 (2006.01) G02B 21/36 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR LINE-SCANNING MICROSCOPY**
[54] **DISPOSITIFS ET PROCEDES DE MICROSCOPIE A BALAYAGE LINEAIRE**
[72] OGIEN, JONAS, FR
[71] DAMAE MEDICAL, FR
[85] 2022-06-03
[86] 2020-11-30 (PCT/EP2020/083951)
[87] (WO2021/110595)
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[51] **Int.Cl. C07K 19/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **SINGLE DOMAIN ANTIBODIES AND CHIMERIC ANTIGEN RECEPTORS TARGETING BCMA AND METHODS OF USE THEREOF**
[54] **ANTICORPS A DOMAINE UNIQUE ET RECEPTEURS ANTIGENIQUES CHIMERIQUES CIBLANT BCMA ET LEURS PROCEDES D'UTILISATION**
[72] FAN, XIAOHU, CA
[72] ZHUANG, QIUCHUAN, CN
[72] ZHAO, YUNCHENG, CN
[72] YANG, LEI, CN
[72] FANG, XU, CN
[72] XU, CHANGMENG, CN
[71] NANJING LEGEND BIOTECH CO., LTD., CN
[85] 2022-06-03
[86] 2020-12-15 (PCT/CN2020/136570)
[87] (WO2021/121228)
[30] CN (PCT/CN2019/125681) 2019-12-16
[30] CN (PCT/CN2020/112181) 2020-08-28
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[51] **Int.Cl. A61K 36/07 (2006.01) A23L 31/00 (2016.01) A61K 31/4045 (2006.01) A61K 31/675 (2006.01) B01D 11/02 (2006.01) C07D 209/16 (2006.01) C07F 9/572 (2006.01) C12P 17/00 (2006.01)**
[25] EN
[54] **METHANOL-BASED EXTRACTION OF PSYCHOACTIVE COMPOUNDS FROM FUNGUS**
[54] **EXTRACTION A BASE DE METHANOL DE COMPOSES PSYCHOACTIFS D'UN CHAMPIGNON**
[72] LIGHTBURN, BENJAMIN, CA
[72] MOSS, RYAN, CA
[72] RANKEN, LISA, CA
[71] PSILO SCIENTIFIC LTD., CA
[85] 2022-06-03
[86] 2021-06-16 (PCT/CA2021/050823)
[87] (WO2021/253124)
[30] US (63/040,317) 2020-06-17
[30] US (63/046,089) 2020-06-30
[30] CA (3088384) 2020-07-29
[30] CA (3089455) 2020-08-07

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[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 31/194 (2006.01) A61P 35/02 (2006.01) C07C 57/15 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **TREATMENT FOR ACUTE MYELOID LEUKEMIA OR MYELODYSPLASTIC SYNDROME**
[54] **TRAITEMENT CONTRE LA LEUCEMIE MYELOIDE AIGUE OU LE SYNDROME MYELODYSPLASIQUE**
[72] BRAY, MARK R., CA
[72] MASON, JACQUELINE M., CA
[72] FLETCHER, GRAHAM, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2022-06-06
[86] 2020-12-04 (PCT/CA2020/051668)
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[30] US (62/944,876) 2019-12-06

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[51] **Int.Cl. D21F 7/06 (2006.01) B29C 48/08 (2019.01) B29C 41/28 (2006.01) B29D 7/01 (2006.01) B32B 23/00 (2006.01) C08J 5/18 (2006.01) C08L 1/00 (2006.01) C09D 101/02 (2006.01) D21F 1/80 (2006.01) D21F 5/00 (2006.01) D21H 11/00 (2006.01) G01N 21/86 (2006.01) G01N 21/89 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **METHOD FOR IDENTIFYING DEFECTS IN A FILM, METHOD AND DEVICE FOR PRODUCING A FILM**
[54] **PROCEDE D'IDENTIFICATION DE DEFAUTS DANS UN FILM, PROCEDE ET DISPOSITIF DE FABRICATION D'UN FILM**
[72] NYLEN, OTTO, FI
[72] BACKFOLK, KAJ, FI
[71] STORA ENSO OYJ, FI
[85] 2022-06-06
[86] 2020-12-18 (PCT/IB2020/062187)
[87] (WO2021/124250)
[30] SE (1951543-6) 2019-12-20

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[51] **Int.Cl. B29B 11/04 (2006.01) B29B 11/06 (2006.01) B29C 44/12 (2006.01)**
[25] EN
[54] **CARBON FIBER SHELL HAVING ELASTOMER INNER OVERMOLD, AND METHOD TO FABRICATE A CARBON FIBER SHELL HAVING ELASTOMER INNER OVERMOLD**
[54] **COQUE DE FIBRES DE CARBONE AYANT UN SURMOULE INTERIEUR EN ELASTOMERE, ET PROCEDE DE FABRICATION D'UNE COQUE DE FIBRES DE CARBONE AYANT UN SURMOULE INTERIEUR EN ELASTOMERE**
[72] AVALOS SARTORIO, CARLOS JOSE, MX
[72] AVALOS SARTORIO, MIGUEL JOSE, MX
[71] AIR DESIGN, S.A. DE C.V., MX
[85] 2022-07-05
[86] 2020-01-09 (PCT/IB2020/050158)
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[30] US (62/791,376) 2019-01-11

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[51] **Int.Cl. H04W 12/02 (2009.01) H04W 12/08 (2021.01) H04W 12/71 (2021.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROTECTION OF DATA ACROSS MULTIPLE USERS AND DEVICES**
[54] **SYSTEMES ET PROCEDES DE PROTECTION DE DONNEES A TRAVERS DE MULTIPLES UTILISATEURS ET DISPOSITIFS**
[72] DAO, TUAN, US
[72] SPECTOR, HOWARD, US
[72] BENNETT, JEREMY F., US
[72] BACHELOR, ROD, US
[72] MUMMAREDDI, PAVAN, US
[72] DARMO, RALPH, US
[71] JPMORGAN CHASE BANK, N.A., US
[85] 2022-07-05
[86] 2020-12-04 (PCT/US2020/063413)
[87] (WO2021/113714)
[30] US (62/944,244) 2019-12-05
[30] US (17/109,001) 2020-12-01

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[13] A1
[51] **Int.Cl. E21D 21/00 (2006.01) E02D 5/74 (2006.01) E21D 20/02 (2006.01)**
[25] EN
[54] **HIGH STRESS ROCK BURST ROADWAY BOLT, DESIGN METHOD AND WORKING METHOD**
[54] **BOULON DE ROUTE A COUP DE CHARGE A CONTRAINTE ELEVEE, PROCEDE DE CONCEPTION ET PROCEDE DE TRAVAIL**
[72] MENG, BO, CN
[72] MA, ZHANYUAN, CN
[72] JING, HONGWEN, CN
[72] YANG, ZHIWEN, CN
[72] YANG, SHENGQI, CN
[72] NING, ZHANGXUAN, CN
[72] WANG, YINGCHAO, CN
[72] ZHANG, TIANCANG, CN
[72] HUANG, YANHUA, CN
[72] JI, RUNQING, CN
[72] YIN, QIAN, CN
[72] WU, JIANGYU, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2022-03-16
[86] 2020-09-04 (PCT/CN2020/113350)
[87] (WO2021/052192)
[30] CN (201910885804.7) 2019-09-19

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[51] **Int.Cl. F28D 1/02 (2006.01) F28D 1/053 (2006.01)**
[25] EN
[54] **HEATER**
[54] **CORPS CHAUFFANT**
[72] ULUDAG, NEJDET, DE
[72] OZELSAGIROGLU, MUSTAFA, TR
[71] ULUDAG, NEJDET, DE
[85] 2022-06-03
[86] 2019-12-13 (PCT/EP2019/085116)
[87] (WO2021/115617)
[30] DE (10 2019 133 802.6) 2019-12-10

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[51] **Int.Cl. B01D 33/27 (2006.01) B01D 33/74 (2006.01) B01D 35/05 (2006.01)**
[25] EN
[54] **SPINNING CROSSFLOW FILTER**
[54] **FILTRE A FLUX TRANSVERSAL TOURNANT**
[72] MCCUTCHEN, DAVID J., US
[71] VORSANA INC., US
[85] 2022-06-03
[86] 2019-12-12 (PCT/US2019/065994)
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[30] US (62/778,691) 2018-12-12
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[51] **Int.Cl. F04D 29/20 (2006.01) F04D 29/34 (2006.01) F04D 29/36 (2006.01) F16D 1/06 (2006.01)**
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[54] **IMPELLER LOCKING COLLAR**
[54] **COLLIER DE VERROUILLAGE DE ROUE**
[72] YARNOT, BRIAN ALAN, US
[72] ARLISS, CODY MAC, US
[72] LANDSCHOOT JR., PAUL MATTHEW, US
[72] NOBLES, DOUGLAS J., US
[72] SMITH, KENNETH MICHAEL, US
[72] BEHNKE, PAUL WALTER, US
[71] ITT MANUFACTURING ENTERPRISES LLC, US
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[87] (WO2021/118577)

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[25] EN
[54] **EXTRACELLULAR VESICLES AND THEIR USES**
[54] **VESICULES EXTRACELLULAIRES ET LEURS UTILISATIONS**
[72] IIAGAN, ROGER, US
[72] HOGAN, SARAH, US
[72] CHEADLE, JOHN, US
[72] PAPU, CAROLINA, US
[71] UNITED THERAPEUTICS CORPORATION, US
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[86] 2020-12-02 (PCT/US2020/062803)
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[30] US (62/943,555) 2019-12-04
[30] US (63/003,521) 2020-04-01

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[51] **Int.Cl. C07K 14/82 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **CELLS EXPRESSING C-KIT MUTATIONS AND USES THEREOF**
[54] **CELLULES EXPRIMANT DES MUTATIONS DE C-KIT ET LEURS UTILISATIONS**
[72] ADUSUMILLI, PRASAD S., US
[72] XIONG, YUQUAN, 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
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[87] (WO2021/113432)
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[51] **Int.Cl. B01D 29/085 (2006.01) B01D 29/62 (2006.01) B67C 11/04 (2006.01) F16K 21/04 (2006.01) F16K 25/02 (2006.01)**
[25] EN
[54] **DECANTING BACKWASH RECEIVER**
[54] **RECEPTEUR DE LAVAGE A CONTRE-COURANT A DECANTATION**
[72] BEAUPRE, RICHARD, US
[72] HILL, PATRICK STEPHEN, US
[71] MOTT CORPORATION, US
[85] 2022-06-03
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[51] **Int.Cl. B60B 33/00 (2006.01) B60B 33/06 (2006.01)**
[25] EN
[54] **ROLLING DEVICE**
[54] **DISPOSITIF DE LAMINAGE**
[72] TIMENES, ATLE, NO
[72] LIBAKKEN, ROLF, NO
[71] WHEEL.ME AS, NO
[85] 2022-06-06
[86] 2020-11-30 (PCT/EP2020/083915)
[87] (WO2021/110587)
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[25] EN
[54] **TRICYCLIC HETEROCYCLES AS FGFR INHIBITORS**
[54] **HETEROCYCLES TRICYCLIQUES EN TANT QU'INHIBITEURS DE FGFR**
[72] MCCAMMANT, MATTHEW S., US
[72] STYDUHAR, EVAN, US
[72] VECHORKIN, OLEG, US
[72] SWYKA, ROBERT, US
[72] YAO, WENQING, US
[71] INCYTE CORPORATION, US
[85] 2022-06-03
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[51] **Int.Cl. C07K 14/71 (2006.01) A61K 35/761 (2015.01) A61K 47/68 (2017.01) A61K 38/18 (2006.01) A61P 7/00 (2006.01) A61P 27/02 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C07K 1/22 (2006.01) C07K 14/49 (2006.01)**
[25] EN
[54] **VEGF MINI-TRAPS AND METHODS OF USE THEREOF**
[54] **MINI-PIEGES DE VEGF ET LEURS PROCEDES D'UTILISATION**
[72] MARTIN, JOEL, US
[72] DAVIS, SAMUEL, US
[72] LAWRENCE, SHAWN, US
[72] JOHNSON, AMY, US
[72] CASEY, MEGHAN, US
[72] MASTROGIACOMO, JAIMIE, US
[72] WANG, SHUNHAI, US
[72] LI, NING, US
[72] TUSTIAN, ANDREW, US
[72] VARTAK, ANKIT, US
[72] FRANKLIN, MATTHEW, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-06-03
[86] 2020-12-04 (PCT/US2020/063238)
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[25] EN
[54] **POLYPEPTIDES COMPRISING IMMUNOGLOBULIN SINGLE VARIABLE DOMAINS TARGETING TNF.ALPHA. AND IL-23**
[54] **POLYPEPTIDES COMPRENANT DES DOMAINES VARIABLES UNIQUES D'IMMUNOGLOBULINE CIBLANT TNF.ALPHA. ET IL-23**
[72] ROMMELAERE, HEIDI, BE
[72] ASBRAND, CHRISTIAN, DE
[72] BRIGE, ANN, BE
[72] CORNELIS, SIGRID, BE
[72] LORENT, ERIC, BE
[71] ABLYNX NV, BE
[71] SANOFI, FR
[85] 2022-06-06
[86] 2020-12-03 (PCT/EP2020/084430)
[87] (WO2021/110816)
[30] US (62/944,619) 2019-12-06
[30] EP (20305056.2) 2020-01-23
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[51] **Int.Cl. G06F 21/60 (2013.01) G06F 40/174 (2020.01) G06F 40/186 (2020.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SELF-AGGREGATION OF PERSONAL DATA AND CONTROL THEREOF**
[54] **PROCEDE ET SYSTEME D'AUTO-AGREGATION DE DONNEES PERSONNELLES ET COMMANDE ASSOCIEE**
[72] WILSHINSKY, MURRAY B., US
[71] WILSHINSKY, MURRAY B., US
[85] 2022-06-03
[86] 2020-12-04 (PCT/US2020/063240)
[87] (WO2021/113593)
[30] US (62/943,871) 2019-12-05

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[51] **Int.Cl. G01N 21/27 (2006.01) G01N 21/39 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING CONCENTRATION OF AN ANALYTE**
[54] **SYSTEMES ET PROCEDES POUR MESURER LA CONCENTRATION D'UN ANALYTE**
[72] IMONYTE, IEVA, LT
[72] VIZBARAS, AUGUSTINAS, LT
[72] BUCIUNAS, TADAS, LT
[72] MIASOJEDOVAS, ARUNAS, LT
[72] SPRENGEL, STEPHAN HEINZ, LT
[71] BROLIS SENSOR TECHNOLOGY, UAB, LT
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[13] A1
[51] **Int.Cl. B32B 17/06 (2006.01) H01Q 1/12 (2006.01) H01Q 1/32 (2006.01)**
[25] EN
[54] **MULTILAYER GLASS PATCH ANTENNA**
[54] **ANTENNE PLANAIRE EN VERRE MULTICOUCHE**
[72] DAI, DAVID, US
[71] PITTSBURGH GLASS WORKS LLC, US
[85] 2022-06-03
[86] 2020-12-04 (PCT/US2020/063278)
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[51] **Int.Cl. A61B 3/10 (2006.01) A61B 3/11 (2006.01) A61B 5/00 (2006.01) B61B 3/00 (2006.01)**
[25] EN
[54] **POSITIONING SYSTEM FOR OPHTHALMIC INSTRUMENT**
[54] **SYSTEME DE POSITIONNEMENT POUR INSTRUMENT OPHTALMIQUE**
[72] PARKS, SCOTT W., US
[72] KELKENBERG, DAVID G., US
[72] BONAVENTURA, RUSSELL J., US
[71] REICHERT, INC., US
[85] 2022-06-03
[86] 2021-01-27 (PCT/US2021/015157)
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[51] **Int.Cl. B65G 43/08 (2006.01) G05B 1/00 (2006.01)**
[25] EN
[54] **STORAGE AND PICKING SYSTEM AND METHOD FOR PREDICTING AND/OR AVERTING A FUTURE DISRUPTION**
[54] **SYSTEME DE STOCKAGE ET DE PRELEVEMENT ET PROCEDE DE PREDICTION ET/OU DE PREVENTION DE DYSFONCTIONNEMENT FUTUR**
[72] GAGGL, MARKUS, AT
[71] TGW LOGISTICS GROUP GMBH, AT
[85] 2022-06-06
[86] 2020-12-07 (PCT/AT2020/060436)
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[30] AT (A51089/2019) 2019-12-13

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[51] **Int.Cl. A23F 5/00 (2006.01) A23F 5/04 (2006.01) A23N 12/08 (2006.01) F27D 17/00 (2006.01)**
[25] EN
[54] **METHOD FOR DRYING A SMOKE FILTER UNIT**
[54] **PROCEDE DE SECHAGE D'UNE UNITE DE FILTRE A FUMEE**
[72] MOREND, JOEL, CH
[72] PINDJUROV, RISTE, CH
[72] DUBIEF, FLAVIEN FLORENT, CH
[72] MANSER, DANIEL ROLAND, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-06-06
[86] 2020-12-14 (PCT/EP2020/085891)
[87] (WO2021/116484)
[30] EP (19216321.0) 2019-12-13

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[51] **Int.Cl. B62D 55/24 (2006.01)**
[25] EN
[54] **TRACK SYSTEM FOR TRACTION OF A VEHICLE**
[54] **SYSTEME DE CHENILLE PERMETTANT LA TRACTION D'UN VEHICULE**
[72] LAUZIER, JONATHAN, CA
[72] BOURDEAU, JEREMI, CA
[72] KAUTSCH, DEWAINE, US
[71] CAMSO INC., CA
[85] 2022-06-06
[86] 2020-12-07 (PCT/CA2020/051685)
[87] (WO2021/108928)
[30] US (62/944,544) 2019-12-06

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[51] **Int.Cl. C04B 28/06 (2006.01) C04B 40/06 (2006.01) E21D 20/02 (2006.01) F16B 13/14 (2006.01)**
[25] EN
[54] **USE OF AT LEAST ONE HARD AGGREGATE HAVING A MOHS-HARDNESS OF GREATER THAN OR EQUAL TO 8 IN AN INORGANIC MORTAR SYSTEM BASED ON ALUMINOUS CEMENT TO INCREASE LOAD VALUES**
[54] **UTILISATION D'AU MOINS UN AGREGAT DUR AYANT UNE DURETE MOHS SUPERIEURE OU EGALE A 8 DANS UN SYSTEME DE MORTIER INORGANIQUE A BASE DE CIMENT ALUMINEUX POUR AUGMENTER LES VALEURS DE CHARGE**
[72] SCHONLEIN, MARKUS, DE
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2022-06-06
[86] 2021-01-14 (PCT/EP2021/050658)
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[30] EP (20153058.1) 2020-01-22

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[51] **Int.Cl. A61K 47/56 (2017.01) A61P 19/02 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **DENDRIMER COMPOSITIONS AND METHODS FOR DRUG DELIVERY**
[54] **COMPOSITIONS DE DENDRIMERES ET METHODES D'ADMINISTRATION DE MEDICAMENT**
[72] CLELAND, JEFFREY, US
[72] SHARMA, RISHI, US
[72] SUN, MINGHAO, US
[72] APPIANI, SANTIAGO, US
[71] ASHVATTHA THERAPEUTICS, INC., US
[85] 2022-06-03
[86] 2020-12-04 (PCT/US2020/063332)
[87] (WO2021/113651)
[30] US (62/943,705) 2019-12-04
[30] US (63/108,186) 2020-10-30

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[51] **Int.Cl. B60C 99/00 (2006.01) H04W 4/38 (2018.01) B60C 7/00 (2006.01) B60K 35/00 (2006.01) B60S 5/00 (2006.01) B66F 9/06 (2006.01) G01M 17/013 (2006.01) G01M 17/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING WHEEL ASSEMBLIES**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE D'ENSEMBLES ROUES**
[72] DE WITTE, TIM, CZ
[72] MESSINA, SALVATORE, CA
[72] MEIER, LOIC, CA
[71] CAMSO INC., CA
[85] 2022-06-06
[86] 2020-12-07 (PCT/CA2020/051687)
[87] (WO2021/108930)
[30] US (62/944,536) 2019-12-06

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[13] A1
[51] **Int.Cl. A61K 47/56 (2017.01) A61K 47/61 (2017.01) A61P 1/16 (2006.01)**
[25] EN
[54] **TRIANTENNARY N-ACETYLGALACTOSAMINE MODIFIED HYDROXYL POLYAMIDOAMINE DENDRIMERS AND METHODS OF USE THEREOF**
[54] **DENDRIMERES DE POLYAMIDOAMINE D'HYDROXYLE MODIFIES PAR N-ACETYLGALACTOSAMINE TRIANTENNEE ET LEURS METHODES D'UTILISATION**
[72] CLELAND, JEFFREY, US
[72] SHARMA, RISHI, US
[72] SUN, MINGHAO, US
[71] ASHVATTHA THERAPEUTICS, INC., US
[85] 2022-06-03
[86] 2020-12-04 (PCT/US2020/063342)
[87] (WO2021/113657)
[30] US (62/943,705) 2019-12-04
[30] US (63/067,155) 2020-08-18
[30] US (63/086,109) 2020-10-01
[30] US (63/108,186) 2020-10-30

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[51] **Int.Cl. B01D 63/10 (2006.01) B01D 67/00 (2006.01) C09D 175/04 (2006.01) C09J 175/04 (2006.01)**
[25] EN
[54] **FOLD PROTECTION FOR SPIRAL FILTRATION MODULES UTILIZING UV CURED POLYURETHANE AND METHOD OF PROVIDING SAME**
[54] **PROTECTION DE PLI POUR MODULES DE FILTRATION EN SPIRALE UTILISANT UN POLYURETHANE DURCI PAR UV ET PROCEDE POUR SON OBTENTION**
[72] JIN, SHUHUA, US
[72] CHENG, CHIH-MIN, US
[72] DAVIS, JESSE LAWRENCE, US
[72] BRYAN, ZACHARY JACOB, US
[72] KANG, LI, US
[71] HENKEL AG & CO. KGAA, DE
[85] 2022-06-06
[86] 2020-11-11 (PCT/US2020/059953)
[87] (WO2021/126422)
[30] US (62/949,588) 2019-12-18

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[51] **Int.Cl. A61K 8/99 (2017.01) A61K 6/00 (2020.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS OF PREVENTING AND TREATING DENTAL CARIES**
[54] **PROCEDES ET COMPOSITIONS DE PREVENTION ET DE TRAITEMENT DE CARIES DENTAIRES**
[72] BALANI, POOJA, US
[72] BIDLACK, FELICITAS, US
[72] HE, XUESONG, US
[72] PUGACH-GORDON, MEGAN, US
[72] SHI, WENYUAN, US
[72] STARR, JACQUELINE, US
[72] FERRER, DANIEL, US
[71] FORSYTH DENTAL INFIRMARY FOR CHILDREN, US
[85] 2022-06-03
[86] 2020-12-04 (PCT/US2020/063343)
[87] (WO2021/113658)
[30] US (62/944,717) 2019-12-06

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[13] A1
[51] **Int.Cl. A61K 47/56 (2017.01) A61K 47/59 (2017.01) A61P 27/02 (2006.01)**
[25] EN
[54] **DENDRIMER COMPOSITIONS AND METHODS FOR DRUG DELIVERY TO THE EYE**
[54] **COMPOSITIONS DE DENDRIMERES ET METHODES D'ADMINISTRATION DE MEDICAMENT A L'□IL**
[72] CLELAND, JEFFREY, US
[72] SHARMA, RISHI, US
[72] APPIANI, SANTIAGO, US
[71] ASHVATTHA THERAPEUTICS, INC., US
[85] 2022-06-03
[86] 2020-12-04 (PCT/US2020/063347)
[87] (WO2021/113662)
[30] US (62/943,724) 2019-12-04
[30] US (63/021,023) 2020-05-06
[30] US (63/108,234) 2020-10-30

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[13] A1
[51] **Int.Cl. B65H 39/06 (2006.01) A44C 21/00 (2006.01) B44B 5/00 (2006.01) B44B 5/02 (2006.01) B65G 47/68 (2006.01)**
[25] EN
[54] **MULTI-COMPONENT COIN ASSEMBLY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ASSEMBLAGE DE PIECE DE MONNAIE A COMPOSANTS MULTIPLES**
[72] EVERTON, BRADLEY, CA
[72] LI, XIANYAO, CA
[72] QIAN, KEWEI, CA
[72] SAWATZKY, TREVOR SCOTT, CA
[72] LESSARD, PATRICK ROLAND, CA
[71] MONNAIE ROYALE CANADIENNE/ROYAL CANADIAN MINT, CA
[85] 2022-06-06
[86] 2020-12-18 (PCT/CA2020/051761)
[87] (WO2021/119839)
[30] US (62/950,620) 2019-12-19

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[13] A1
[51] **Int.Cl. A61B 5/02 (2006.01) A61B 90/00 (2016.01) A61M 1/00 (2006.01) G01F 19/00 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **NOVEL MINIMAL SURFACE AREA COLLECTION DEVICE AND RAPID METHOD FOR ESTIMATING LOW BLOOD VOLUME**
[54] **NOUVEAU DISPOSITIF DE COLLECTE DE ZONE DE SURFACE MINIMALE ET PROCEDE RAPIDE D'ESTIMATION DE FAIBLE VOLUME DE SANG**
[72] CAREW, CHRISTOPHER A., US
[71] CAREW, CHRISTOPHER A., US
[85] 2022-06-06
[86] 2020-12-03 (PCT/US2020/063083)
[87] (WO2021/133532)
[30] US (62/944,752) 2019-12-06

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[13] A1
[51] **Int.Cl. H04W 60/00 (2009.01)**
[25] EN
[54] **SESSION MANAGEMENT FUNCTION REGISTRATION AND DEREGISTRATION**
[54] **ENREGISTREMENT ET DESENREGISTREMENT DE FONCTION DE GESTION DE SESSION**
[72] ZHU, JINGUO, CN
[72] LI, ZHIJUN, CN
[72] ZHOU, XINGYUE, CN
[72] SO, TRICCI, CN
[71] ZTE CORPORATION, CN
[85] 2022-06-06
[86] 2019-12-06 (PCT/CN2019/123791)
[87] (WO2021/093062)

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[13] A1
[51] **Int.Cl. G16H 20/17 (2018.01) A61M 5/14 (2006.01)**
[25] EN
[54] **MANAGING FLUID LEVELS IN A PATIENT AND ASSOCIATED DEVICES, SYSTEMS, AND METHODS**
[54] **GESTION DE NIVEAUX DE FLUIDE CHEZ UN PATIENT ET DISPOSITIFS, SYSTEMES ET PROCEDES ASSOCIES**
[72] TESTANI, JEFFREY, US
[72] LEVIN, HOWARD R., US
[72] DILLON, JIM, US
[72] HALPERT, ANDREW, US
[71] REPRIEVE CARDIOVASCULAR, INC., US
[85] 2022-06-03
[86] 2020-12-04 (PCT/US2020/063487)
[87] (WO2021/113771)
[30] US (62/945,058) 2019-12-06

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[13] A1
[51] **Int.Cl. C07K 16/42 (2006.01) C12N 5/071 (2010.01) C12N 5/0783 (2010.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-IDIOTYPIC ANTIBODIES TO BCMA-TARGETED BINDING DOMAINS AND RELATED COMPOSITIONS AND METHODS**
[54] **ANTICORPS ANTI-IDIOTYPIQUES DIRIGES CONTRE DES DOMAINES DE LIAISON CIBLANT BCMA ET COMPOSITIONS ET PROCEDES ASSOCIES**
[72] HAUSKINS, COLLIN, US
[72] HARRINGTON, KIMBERLY, US
[71] JUNO THERAPEUTICS, INC., US
[85] 2022-06-03
[86] 2020-12-04 (PCT/US2020/063492)
[87] (WO2021/113776)
[30] US (62/945,065) 2019-12-06
[30] US (63/061,763) 2020-08-05
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[51] **Int.Cl. F41C 23/16 (2006.01)**
[25] EN
[54] **HANDGUARD FOR CLAMPING MOUNTING ON AN EXISTING FIREARM**
[54] **GARDE-MAIN DESTINE A ETRE MONTE PAR SERRAGE SUR UNE ARME A FEU EXISTANTE**
[72] MARKUT, KARL, AT
[72] NOLTE, PATRICK, AT
[71] GLOCK TECHNOLOGY GMBH, AT
[85] 2022-06-07
[86] 2020-11-23 (PCT/EP2020/083075)
[87] (WO2021/121877)
[30] EP (19216891.2) 2019-12-17

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[13] A1
[51] **Int.Cl. A01N 63/28 (2020.01) A01C 1/06 (2006.01) A01N 25/00 (2006.01) A01N 25/10 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **FORMULATION COMPRISING STREPTOMYCES SPP. FOR USE IN SEED TREATMENT**
[54] **FORMULATION COMPRENANT DES STREPTOMYCES SPP. DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT DE SEMENCES**
[72] GUY, ENDRICK, FR
[71] DANSTAR FERMENT AG, CH
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[54] **METHODE D'ANALYSE DE TAXIES, METHODE D'EVALUATION DE CANCERS, SYSTEME D'ANALYSE DE TAXIES ET PROGRAMME**
[72] IMAIZUMI, YUKI, JP
[72] IWAO, KENJI, JP
[71] HIROTSU BIO SCIENCE INC., JP
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[54] **UNITE DE DETENTE POUR UNE ARME A FEU**
[72] MARKUT, KARL, AT
[72] WERDNIG, ANDREAS, AT
[71] GLOCK TECHNOLOGY GMBH, AT
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[25] EN
[54] **MACHINE LEARNING TECHNIQUES FOR GENE EXPRESSION ANALYSIS**
[54] **TECHNIQUES D'APPRENTISSAGE AUTOMATIQUE POUR ANALYSE D'EXPRESSION GENIQUE**
[72] ANTYSHEVA, ZOIA, RU
[72] SVEKOLKIN, VIKTOR, RU
[72] KOTLOV, NIKITA, RU
[72] KARELIN, ANTON, RU
[72] POSTOVALOVA, EKATERINA, RU
[71] BOSTONGENE CORPORATION, US
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[54] **MACHINE FOR REMOVING FORMWORK FROM CEILING STRUCTURE**
[54] **MACHINE PERMETTANT DE RETIRER LE COFFRAGE D'UNE STRUCTURE DE PLAFOND**
[72] PIETILA, MARK A., US
[72] EENIGENBURG, TREVOR, US
[72] KANGAS, RYAN, US
[71] SOMERO ENTERPRISES, INC., US
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[87] (WO2021/119661)
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[54] **SMART SYSTEM FOR CONTROLLING FUNCTIONS IN A COMBAT VEHICLE TURRET**
[54] **SYSTEME INTELLIGENT POUR LE CONTROLE DE FONCTIONS DANS UNE TOURELLE DE VEHICULE DE COMBAT**
[72] VERHEYLEWEGEN, GUILLAUME, BE
[72] CLERMONT, BERNARD, BE
[71] JOHN COCKERILL DEFENSE SA, BE
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[54] **METHOD AND APPARATUS FOR THE ALIGNMENT OF VEHICLES PRIOR TO WIRELESS CHARGING**
[54] **PROCEDE ET APPAREIL POUR L'ALIGNEMENT DE VEHICULES AVANT UNE CHARGE SANS FIL**
[72] MCMAHON, FRANCIS J., US
[72] DAGA, ANDREW W., US
[72] GANDER, EDWARD J., US
[71] MOMENTUM DYNAMICS CORPORATION, US
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[54] **COURROIE EN V CRANTEE**
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[72] TOKUDA, AKIHIKO, JP
[71] MITSUBOSHI BELTING LTD., JP
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[54] **SUSPENDED CEILING SYSTEM AND METHOD FOR INSTALLING THEREOF**
[54] **SYSTEME DE PLAFOND SUSPENDU ET SON PROCEDE D'INSTALLATION**
[72] NILSSON, THOMAS, SE
[71] SAINT-GOBAIN ECOPHON AB, SE
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[25] EN
[54] **POLYPEPTIDES COMPRISING IMMUNOGLOBULIN SINGLE VARIABLE DOMAINS TARGETING IL-13 AND TSLP**
[54] **POLYPEPTIDES COMPRENANT DES DOMAINES VARIABLES UNIQUES D'IMMUNOGLOBULINE CIBLANT L'IL-13 ET LA TSLP**
[72] ROMMELAERE, HEIDI, BE
[72] BRIGE, ANN, BE
[72] CORNELIS, SIGRID, BE
[72] DOMBRECHT, BRUNO, BE
[72] LORENT, ERIC, BE
[72] RIEGER, MELANIE, BE
[72] SOOS, TIMOTHY, US
[72] PARK, JOHN, DE
[72] WEIGLE, BERND, DE
[72] ERB, KLAUS, DE
[71] ABLYNX NV, BE
[71] SANOFI, FR
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[54] **CONJUGATES AND METHODS FOR TREATING LIVER FIBROSIS**
[54] **CONJUGUES ET METHODES DE TRAITEMENT D'UNE FIBROSE HEPATIQUE**
[72] HEYES, JAMES, US
[72] HOLLAND, RICHARD J., US
[72] WOOD, MARK, US
[72] MARTIN, ALAN D., US
[72] ESAU, CHRISTINE, US
[72] SCHWARZ, MARGRIT, US
[72] YE, XIN, US
[72] LI, ALICE, US
[72] PASETKA, CHRIS JUSTIN, US
[72] CROWE, DAVID, US
[72] TYLER, STEVEN, US
[71] GENEVANT SCIENCES GMBH, CH
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[25] EN
[54] **METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE ON BASIS OF PICTURE HEADER INCLUDING INFORMATION RELATING TO CO-LOCATED PICTURE, AND METHOD FOR TRANSMITTING BITSTREAM**
[54] **PROCEDE ET APPAREIL DE CODAGE/DECODAGE D'IMAGE SUR LA BASE D'UN EN-TETE D'IMAGE COMPRENANT DES INFORMATIONS RELATIVES A UNE IMAGE CO-LOCALISEE, ET PROCEDE DE TRANSMISSION DE FLUX BINAIRE**
[72] NAM, JUNG HAK, KR
[72] HENDRY, HENDRY, KR
[72] LIM, JAEHYUN, KR
[72] KIM, SEUNG HWAN, KR
[71] LG ELECTRONICS INC., KR
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[86] 2020-12-04 (PCT/KR2020/017681)
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[25] EN
[54] **ULTRAFINE NEEDLE ENDOSCOPE APPARATUS FOR DEEP INTERSTITIAL EXAMINATION BY WHITE LIGHT IMAGING, AUTOFLUORESCENCE IMAGING AND RAMAN SPECTROSCOPY**
[54] **APPAREIL ENDOSCOPE A AIGUILLE ULTRAFINE POUR EXAMEN INTERSTITIEL PROFOND PAR IMAGERIE A LUMIERE BLANCHE, IMAGERIE PAR AUTOFLUORESCENCE ET SPECTROSCOPIE RAMAN**
[72] DOUPLIK, ALEXANDRE, CA
[72] EASSON, ALEXANDRA M., CA
[71] UNIVERSITY HEALTH NETWORK (UHN), CA
[71] RYERSON UNIVERSITY, CA
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[25] EN
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[54] **SYSTEME D'ANALYSE DU DIABETE ET PROCEDE ASSOCIE AU SYSTEME**
[72] CEDERBLAD, LARS, SE
[72] ESPES, DANIEL, SE
[72] CARLSSON, PER-OLA, SE
[71] DIGITAL DIABETES ANALYTICS SWEDEN AB, SE
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[51] **Int.Cl. G01R 31/62 (2020.01)**
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[54] **PROBABILISTIC DETERMINATION OF TRANSFORMER END OF LIFE**
[54] **DETERMINATION PROBABILISTE DE FIN DE VIE DE TRANSFORMATEUR**
[72] CHEIM, LUIZ, US
[71] HITACHI ENERGY SWITZERLAND AG, CH
[85] 2022-06-07
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[54] **TETRAHYDROBENZO-QUINOLINE SULFONAMIDES DERIVATIVE COMPOUNDS**
[54] **COMPOSES DERIVES DE TETRAHYDROBENZO-QUINOLEINE SULFONAMIDES**
[72] NORMAN, TIMOTHY JOHN, GB
[72] PHILPS, OLIVER, GB
[72] HASLETT, GREGORY WILLIAM, GB
[72] HEER, JAG PAUL, GB
[72] TRANI, GIANCARLO, GB
[71] UCB BIOPHARMA SRL, BE
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[51] **Int.Cl. G01N 21/84 (2006.01)**
[25] EN
[54] **ADJUSTMENT METHOD FOR ADJUSTING A SETUP FOR AN ANALYTICAL METHOD**
[54] **PROCEDE DE REGLAGE PERMETTANT LE REGLAGE D'UNE CONFIGURATION D'UN PROCEDE ANALYTIQUE**
[72] BERG, MAX, DE
[72] KETH, INGRID, DE
[72] LIMBURG, BERND, DE
[72] SIEFFERT, DANIEL, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
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[51] **Int.Cl. G06F 7/00 (2006.01)**
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[54] **VEHICLE AUTOMATED UNLOADING**
[54] **DECHARGEMENT AUTOMATISE DE VEHICULE**
[72] PURYK, CORWIN MARCUS, US
[72] CORBAN, STEPHEN ROBERT, US
[72] WHITE, RYAN ROBERT, US
[72] SHAVER, GREGORY MATTHEW, US
[72] DHAMANKAR, SHVETA VINAYAK, US
[72] EVANS, JOHN THOMAS, US
[72] LIU, ZIPING, US
[72] JIANG, CHUFAN, US
[71] PURDUE RESEARCH FOUNDATION, US
[71] DEERE AND COMPANY, US
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[25] EN
[54] **PROCESS AND METHOD FOR REFINING LITHIUM CARBONATE STARTING FROM AN IMPURE LITHIUM CHLORIDE SOLUTION**
[54] **PROCESSUS ET PROCEDE DE RAFFINAGE DE CARBONATE DE LITHIUM A PARTIR D'UNE SOLUTION IMPURE DE CHLORURE DE LITHIUM**
[72] HEIN, JASON ELLIS, CA
[72] KENNEPOHL, JOHANNES PIERRE, CA
[71] THE UNVERSITY OF BRITISH COLUMBIA, CA
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[54] **A PYRAZOLE PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE DE PYRAZOLE**
[72] BROWN, CHAD D, US
[72] KULCZAR, CHRISTOPHER D, US
[72] WANG, CHEN-CHAO, US
[72] FUNG, MICHELLE H, US
[71] INTERVET INTERNATIONAL B.V., NL
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[86] 2020-12-18 (PCT/EP2020/086944)
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[13] A1
[51] **Int.Cl. F03D 13/10 (2016.01) B66C 1/10 (2006.01) B66C 13/08 (2006.01)**
[25] EN
[54] **METHOD FOR LIFTING A WIND TURBINE COMPONENT**
[54] **PROCEDE ET PALONNIER POUR LE LEVAGE D'UN ELEMENT CONSTITUTIF D'UNE EOLIENNE**
[72] FENGER, PER, DK
[72] CHRISTIANSEN, ALEXANDER BECSEI, DK
[71] LIFTRA IP APS, DK
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[51] **Int.Cl. G01R 21/06 (2006.01) G01R 21/133 (2006.01) G01R 22/06 (2006.01) G01R 35/04 (2006.01)**
[25] EN
[54] **GATING ENERGY CONSUMPTION ACCUMULATION BY DETECTING A FUNDAMENTAL COMPONENT OF A CURRENT**
[54] **BLOCAGE DE L'ACCUMULATION DE CONSOMMATION D'ENERGIE PAR DETECTION D'UNE COMPOSANTE FONDAMENTALE D'UN COURANT**
[72] STENBERG, DAVID, US
[72] BOUDREAU, JR., FRANK J., US
[71] LANDIS+GYR INNOVATIONS, INC., US
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[51] **Int.Cl. D04H 1/4266 (2012.01) C08J 5/10 (2006.01) C08L 101/14 (2006.01) D06N 3/00 (2006.01) D06N 3/04 (2006.01) D21H 17/01 (2006.01) D21H 17/02 (2006.01) D21H 23/22 (2006.01) D21H 27/06 (2006.01) D21J 1/08 (2006.01)**
[25] EN
[54] **NON-WOVEN TEXTILE FROM UPCYCLED FRUIT AND VEGETABLE WASTE**
[54] **TEXTILE NON-TISSE OBTENU A PARTIR DE DECHETS DE FRUITS ET LEGUMES RECYCLES**
[72] SHAO, XIANRONG, DK
[72] RAMANATHAN, THULASYA, DK
[72] MICHAUD, HANNAH, DK
[71] BEYOND LEATHER MATERIALS APS, DK
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[86] 2020-12-16 (PCT/DK2020/050369)
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[54] **NEW SPHERICAL POWDER AND PREPARATION METHOD THEREFOR**
[54] **NOUVELLE POUDRE SPHERIQUE ET PROCEDE DE PREPARATION ASSOCIE**
[72] XU, HUI, CN
[72] YAO, QING, CN
[71] SHENZHEN AEROSPACE SCIENCE ADVANCED MATERIALS CO., LTD, CN
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[86] 2019-12-19 (PCT/CN2019/126466)
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[30] CN (201911082177.X) 2019-11-07
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[51] **Int.Cl. C07D 401/12 (2006.01) C07D 401/14 (2006.01)**
[25] EN
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[54] **INHIBITEURS DE L'HISTONE DEMETHYLASE SPECIFIQUE DE LA LYSINE POUR LE TRAITEMENT DE NEOPLASMES MYELOPROLIFERATIFS**
[72] RIENHOFF, HUGH, US
[71] IMAGO BIOSCIENCES, INC., US
[85] 2022-06-07
[86] 2020-12-08 (PCT/US2020/063773)
[87] (WO2021/118996)
[30] US (62/945,609) 2019-12-09
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[25] EN
[54] **A STATIONARY PHASE FOR PREPARATIVE SEPARATION OF RARE EARTH METALS**
[54] **PHASE STATIONNAIRE POUR LA SEPARATION PREPARATIVE DE METAUX DES TERRES RARES**
[72] SPORSTOL, SIGVE, NO
[72] KIFLE, DEJENE, NO
[71] REETEC AS, NO
[85] 2022-06-07
[86] 2020-12-09 (PCT/EP2020/085311)
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[30] NO (20191473) 2019-12-12

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[25] EN
[54] **ANTAGONISTS OF THE MUSCARINIC ACETYLCHOLINE RECEPTOR M4**
[54] **ANTAGONISTES DU RECEPTEUR M4 D'ACETYLCHOLINE MUSCARINIQUE**
[72] LINDSLEY, CRAIG W., US
[72] CONN, P. JEFFREY, US
[72] BENDER, AARON M., US
[72] SPOCK, MATTHEW, US
[72] HAN, CHANGHO, US
[71] VANDERBILT UNIVERSITY, US
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[51] **Int.Cl. C07C 219/00 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07C 229/00 (2006.01) C07C 233/00 (2006.01) C07F 9/09 (2006.01)**
[25] EN
[54] **USE OF LIPID IN PREPARATION OF NUCLEIC ACID DELIVERY REAGENT AND RELATED PRODUCT THEREOF**
[54] **UTILISATION DE LIPIDE DANS LA PREPARATION D'UN REACTIF D'ADMINISTRATION D'ACIDE NUCLEIQUE ET PRODUIT ASSOCIE**
[72] JIANG, CHENGYU, CN
[72] QIN, YUHAO, CN
[72] LI, XIAOYUN, CN
[72] ZHANG, CONG, CN
[71] INSTITUTE OF BASIC MEDICAL SCIENCES CHINESE ACADEMY OF MEDICAL SCIENCES, CN
[85] 2022-06-07
[86] 2020-11-08 (PCT/CN2020/127393)
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[30] CN (201911087684.2) 2019-11-08

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[51] **Int.Cl. A23L 27/20 (2016.01) A23L 27/00 (2016.01) A23L 27/21 (2016.01) A23L 2/56 (2006.01) A23C 9/13 (2006.01) A23C 9/152 (2006.01) A23C 11/10 (2021.01) A23C 13/12 (2006.01) A23C 19/00 (2006.01) A23G 1/32 (2006.01) A23G 9/32 (2006.01)**
[25] EN
[54] **TASTE MODIFYING INGREDIENTS**
[54] **INGREDIENTS MODIFIANT LE GOUT**
[72] SHI, FENG, US
[72] ONUMA, YOSUKE, US
[72] WANG, YILI, US
[72] KOHRS, UWE, NL
[71] GIVAUDAN SA, CH
[85] 2022-06-07
[86] 2020-12-11 (PCT/EP2020/085809)
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[30] US (62/948,918) 2019-12-17

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[51] **Int.Cl. C12Q 1/6851 (2018.01) G16B 25/10 (2019.01) G16C 20/00 (2019.01) C12M 1/34 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **QUANTIFICATION OF POLYNUCLEOTIDE ANALYTES FROM DRIED SAMPLES**
[54] **QUANTIFICATION D'ANALYTES POLYNUCLEOTIDIQUES A PARTIR D'ECHANTILLONS SECHES**
[72] NAIR, SANGEETHA VIJAYSRI, US
[72] WANG, XIANQUN, US
[71] GEN-PROBE INCORPORATED, US
[85] 2022-06-07
[86] 2020-12-09 (PCT/US2020/064004)
[87] (WO2021/119124)
[30] US (62/945,685) 2019-12-09
[30] US (62/946,270) 2019-12-10

[21] **3,163,937**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) H02J 7/34 (2006.01)**
[25] EN
[54] **RECHARGEABLE CHARGER FOR RECHARGEABLE DEVICES, AND METHOD FOR CHARGING RECHARGEABLE DEVICES**
[54] **CHARGEUR RECHARGEABLE POUR DISPOSITIFS RECHARGEABLES, ET PROCEDE DE CHARGE DE DISPOSITIFS RECHARGEABLES**
[72] XIONGBIN, XU, SG
[71] SONOVA CONSUMER HEARING GMBH, DE
[85] 2022-06-03
[86] 2020-12-17 (PCT/EP2020/086620)
[87] (WO2021/136671)
[30] US (16/732,521) 2020-01-02

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[13] A1
[51] **Int.Cl. A61N 1/05 (2006.01)**
[25] EN
[54] **IMPLANTABLE ENDOVASCULAR, LOW PROFILE INTRACARDIAC LEFT ATRIAL RESTRAINING DEVICES FOR LOW ENERGY ATRIAL CARDIOVERSION, PACING AND SENSING**
[54] **DISPOSITIFS DE RETENUE AURICULAIRE GAUCHE INTRACARDIAQUE A PROFIL BAS, ENDOVASCULAIRES, IMPLANTABLES, POUR UNE STIMULATION, UNE DETECTION ET UNE CARDIOVERSION AURICULAIRE A FAIBLE ENERGIE**
[72] WOLF, RANDALL K., US
[72] SPENCE, PAUL, US
[71] WOLF, RANDALL K., US
[71] SPENCE, PAUL, US
[85] 2022-06-03
[86] 2020-12-07 (PCT/US2020/063664)
[87] (WO2021/113843)
[30] US (62/944,540) 2019-12-06

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[13] A1
[51] **Int.Cl. F03B 15/00 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **METHOD FOR COUPLING A HYDROELECTRIC POWER PLANT TO THE GRID COMPRISING AT LEAST TWO HYDROELECTRIC UNITS**
[54] **PROCEDE DE COUPLAGE D'UNE CENTRALE HYDROELECTRIQUE AU RESEAU COMPRENANT AU MOINS DEUX UNITES HYDROELECTRIQUES**
[72] ALLOIN, QUENTIN, FR
[72] GUILLAUME, RENAUD, FR
[71] GE RENEWABLE TECHNOLOGIES, FR
[85] 2022-06-07
[86] 2020-12-11 (PCT/EP2020/085786)
[87] (WO2021/116422)
[30] EP (19306638.8) 2019-12-12

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[13] A1
[51] **Int.Cl. A61K 49/12 (2006.01) A61K 33/26 (2006.01) A61K 47/36 (2006.01) G01N 33/548 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TUNABLE MAGNETIC NANOPARTICLES**
[54] **COMPOSITIONS ET PROCEDES POUR NANOPARTICULES MAGNETIQUES ACCORDABLES**
[72] MATTINGLY, ELI, US
[72] YOO, BYUNGHEE, US
[72] MEDAROVA, ZDRAVKA, US
[72] YIGIT, MEHMET V., US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2022-06-03
[86] 2020-12-07 (PCT/US2020/063635)
[87] (WO2021/113829)
[30] US (62/943,927) 2019-12-05

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[13] A1
[51] **Int.Cl. A61K 6/61 (2020.01) A61K 6/71 (2020.01) A61K 6/889 (2020.01)**
[25] EN
[54] **DENTAL RESIN MODIFIED GLASS-IONOMER COMPOSITION AND KIT COMPRISING SAID COMPOSITION**
[54] **COMPOSITION DE VERRE-IONOMERE MODIFIEE PAR UNE RESINE DENTAIRE ET KIT COMPRENANT LADITE COMPOSITION**
[72] SZILLAT, FLORIAN, DE
[72] NEUHAUS, KIRA, DE
[72] POHLE, SVEN, DE
[72] HUAIBING, LUI, US
[71] DENTSPLY SIRONA INC., US
[71] DENTSPLY DETREY GMBH, DE
[85] 2022-06-07
[86] 2020-12-10 (PCT/EP2020/085489)
[87] (WO2021/116275)
[30] US (62/947,152) 2019-12-12

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/46 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTI-LY6G6D ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-LY6G6D ET METHODES D'UTILISATION**
[72] LIN, WEIYU, US
[72] SPIESS, CHRISTOPH, US
[72] SUN, LIPING, US
[72] WU, YAN, US
[72] CHIU, CECILIA P.C., US
[72] DARBONNE, WALTER CHRISTIAN, US
[72] DILLON, MICHAEL ANDREW, US
[71] GENENTECH, INC., US
[85] 2022-06-03
[86] 2020-12-11 (PCT/US2020/064635)
[87] (WO2021/119505)
[30] US (62/948,097) 2019-12-13

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/4155 (2006.01) A61K 47/38 (2006.01) A61P 17/00 (2006.01) A61P 17/04 (2006.01)**
[25] EN
[54] **A PHARMACEUTICAL COMPOSITION OF A PYRAZOLE COMPOUND DISPERSED IN A POLYMER MATRIX**
[54] **COMPOSITION PHARMACEUTIQUE D'UN COMPOSE PYRAZOLE DISPERSE DANS UNE MATRICE POLYMERE**
[72] KULCZAR, CHRISTOPHER D., US
[72] SCHENCK, LUKE RYAN, US
[72] LI, YONGJUN, US
[72] RUMONDOR, ALFRED C. F., US
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2022-06-07
[86] 2020-12-18 (PCT/EP2020/086918)
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[30] US (62/951,162) 2019-12-20

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[13] A1
[51] **Int.Cl. A23L 25/00 (2016.01) A23L 33/00 (2016.01) A23L 33/17 (2016.01) A23P 10/25 (2016.01) A23J 3/04 (2006.01) A23J 3/14 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **FUNCTIONAL FOOD COMPOSITION COMPRISING COLLAGEN AND METHODS TO PRODUCE THEREOF**
[54] **COMPOSITION ALIMENTAIRE FONCTIONNELLE COMPRENANT DU COLLAGENE ET PROCEDES POUR LA PRODUIRE**
[72] SEIDENSTICKER, KURT, US
[72] COTE, KATIE, US
[72] CUTRI, CRISTINA, US
[72] FRIESE, COREY, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-06-07
[86] 2021-01-27 (PCT/EP2021/051793)
[87] (WO2021/151912)
[30] US (62/966,325) 2020-01-27

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[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01)**
[25] EN
[54] **PRIVACY PRESERVATION IN A QUERYABLE DATABASE BUILT FROM UNSTRUCTURED TEXTS**
[54] **PRESERVATION DE LA CONFIDENTIALITE DANS UNE BASE DE DONNEES INTERROGEABLE CONSTRUITE A PARTIR DE TEXTES NON STRUCTURES**
[72] TELLO GUIJARRO, JORGE, ES
[72] LUMBRERAS SANCHO, SARA, ES
[72] FERNANDEZ GARCIA, JAVIER, ES
[72] MARCHESSEAU, STEPHANIE, ES
[71] MEDSAVANA S.L., ES
[85] 2022-06-06
[86] 2020-12-23 (PCT/EP2020/087816)
[87] (WO2021/130337)
[30] EP (19383189.8) 2019-12-23

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[13] A1
[51] **Int.Cl. C12N 5/079 (2010.01) A61F 2/14 (2006.01) A61K 35/30 (2015.01)**
[25] EN
[54] **NOVEL CORNEAL TISSUES AND METHODS OF MAKING THE SAME**
[54] **TISSUS CORNEENS ET LEURS PROCEDES DE FABRICATION**
[72] CONNON, CHE JOHN, GB
[72] GOUVEIA, RICARDO, GB
[71] 3D BIO-TISSUES LIMITED, GB
[85] 2022-06-06
[86] 2021-01-29 (PCT/GB2021/050209)
[87] (WO2021/152322)
[30] GB (2001285.2) 2020-01-30

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[13] A1
[51] **Int.Cl. C10G 9/00 (2006.01) C10G 9/24 (2006.01) C10G 9/36 (2006.01)**
[25] EN
[54] **HEAT INTEGRATION IN A HYDROCARBON PROCESSING FACILITY**
[54] **INTEGRATION DE CHALEUR DANS UNE INSTALLATION DE TRAITEMENT D'HYDROCARBURES**
[72] PUROLA, VELI MATTI, FI
[71] COOLBROOK OY, FI
[85] 2022-06-07
[86] 2020-12-09 (PCT/FI2020/050825)
[87] (WO2021/116530)
[30] US (62/945,469) 2019-12-09

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/166 (2006.01) A61K 38/04 (2006.01) A61P 27/02 (2006.01) C07K 5/00 (2006.01)**
[25] EN
[54] **TREATMENTS OF DIABETIC MACULAR EDEMA AND IMPAIRED VISUAL ACUITY**
[54] **TRAITEMENTS D'UN OEDEME MACULAIRE DIABETIQUE ET D'UNE ACUITE VISUELLE ALTEREE**
[72] FEENER, EDWARD PAUL, US
[72] SMITH, MICHAEL DAVID, US
[72] YEA, CHRISTOPHER MARTYN, GB
[71] KALVISTA PHARMACEUTICALS LIMITED, GB
[85] 2022-06-07
[86] 2020-12-09 (PCT/GB2020/053153)
[87] (WO2021/116679)
[30] US (62/945,560) 2019-12-09
[30] GB (1918994.3) 2019-12-20

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[13] A1
[51] **Int.Cl. H04W 4/70 (2018.01) H04W 4/80 (2018.01) H04W 12/50 (2021.01) H04L 9/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR ENCRYPTED COMMUNICATION**
[54] **APPAREIL ET PROCEDES DE COMMUNICATION CHIFFREE**
[72] AUTRY, CHRISTOPHER PATRICK, GB
[72] MAGAL, MYKHAILO, GB
[71] IOTHIC LTD, GB
[85] 2022-06-07
[86] 2020-12-11 (PCT/GB2020/053184)
[87] (WO2021/116700)
[30] GB (1918419.1) 2019-12-13

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[13] A1
[51] **Int.Cl. A23L 31/00 (2016.01) A23J 1/00 (2006.01) C12N 1/14 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF MYCOPROTEIN**
[54] **PROCESSUS DE PRODUCTION DE MYCOPROTEINE**
[72] SPARKES, DAVID, GB
[72] LAIRD, ROBERT JAMES TAYLOR, GB
[72] HUDMAN, PAUL ANDREW, GB
[71] 3F BIO LTD, GB
[85] 2022-06-07
[86] 2020-12-18 (PCT/GB2020/053313)
[87] (WO2021/123831)
[30] GB (1919079.2) 2019-12-20

[21] **3,163,975**
[13] A1
[51] **Int.Cl. C01B 25/32 (2006.01) C09C 1/02 (2006.01) C09D 5/08 (2006.01)**
[25] EN
[54] **PHOSPHATE-CONTAINING ANTI-CORROSIVE PIGMENT**
[54] **PIGMENT ANTICORROSION CONTENANT DU PHOSPHATE**
[72] FUTTERER, THOMAS, DE
[72] WISSEMBORSKI, RUDIGER, DE
[72] MOSCHEL, SEBASTIAN, DE
[72] MENGEL, SIEGFRIED, DE
[72] GARCIA MARTINEZ, DAVID, ES
[72] LITTERSCHEID, CHRISTIAN, DE
[72] BACH, SVEN, DE
[72] MALLMANN, STEFAN, DE
[72] ERBACH, LAURA, DE
[72] SCHOLLER, MIKEL, DE
[72] WERMTER, HENDRIK, DE
[72] FASSBENDER, BIRGIT, DE
[71] CHEMISCHE FABRIK BUDENHEIM KG, DE
[85] 2022-06-07
[86] 2020-12-07 (PCT/EP2020/084914)
[87] (WO2021/116030)
[30] DE (10 2019 134 205.8) 2019-12-12
[30] DE (10 2020 107 797.1) 2020-03-20

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[13] A1
[51] **Int.Cl. G06F 16/29 (2019.01) G06T 19/00 (2011.01) A63F 13/216 (2014.01) A63F 13/65 (2014.01) G06F 16/901 (2019.01)**
[25] EN
[54] **REGION DIVISION WITH CELL MERGING USING SPANNING TREE**
[54] **DIVISION DE REGIONS A FUSION DE CELLULES A L'AIDE D'ARBRE MAXIMAL**
[72] LAHORGUE, KATHERINE ELIZABETH, US
[71] NIANTIC, INC., US
[85] 2022-06-07
[86] 2020-12-03 (PCT/IB2020/061415)
[87] (WO2021/116840)
[30] US (16/713,466) 2019-12-13

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[13] A1
[51] **Int.Cl. A61K 31/4545 (2006.01) A61P 3/00 (2006.01) A61P 5/00 (2006.01) A61P 25/00 (2006.01) C07C 215/12 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **SOLID FORMS OF 2-((4-((S)-2-(5-CHLOROPYRIDIN-2-YL)-2-METHYLBENZO[D] [1,3]DIOXOL-4-YL)PIPERIDIN-1-YL)METHYL)-1-(((S)-OXETAN-2-YL)METHYL)-1H-BENZO[D] IMIDAZOLE-6-CARBOXYLIC ACID, 1,3-DIHYDROXY-2-(HYDROXYMETHYL)PROPAN-2-AMINE SALT**
[54] **FORMES SOLIDES DE 2-((4-((S)-2-(5-CHLOROPYRIDINE-2-YL)-2-METHYLBENZO[D] [1,3]DIOXOL-4-YL)PIPERIDINE-1-YLE)METHYLE)-1-(((S)-OXETAN-2-YL)METHYLE) -1H-BENZO[D] IMIDAZOLE-6-ACIDE CARB OXYLIQUE, 1,3-DIHYDROXY-2-(HYDROXYMETHYLE)PROPANE-2-SEL D'AMINE**
[72] ASPNES, GARY E., US
[72] BAGLEY, SCOTT W., US
[72] CLARK, WESLEY DEWITT, US
[72] CURTO, JOHN M., US
[72] EDMONDS, DAVID JAMES, US
[72] FLANAGAN, MARK E., US
[72] FUTATSUGI, KENTARO, US
[72] GRIFFITH, DAVID ANDREW, US
[72] HUARD, KIM, US
[72] LIAN, YAJING, US
[72] LIMBERAKIS, CHRIS, US
[72] LONDREGAN, ALLYN T., US
[72] MATHIOWETZ, ALAN M., US
[72] PIOTROWSKI, DAVID WALTER, US
[72] RUGGERI, ROGER B., US
[71] PFIZER INC., US
[85] 2022-06-07
[86] 2020-12-07 (PCT/IB2020/061585)
[87] (WO2021/116874)
[30] US (62/946,084) 2019-12-10

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[13] A1
[51] **Int.Cl. C23C 2/26 (2006.01) B23K 26/00 (2014.01) C23C 28/02 (2006.01)**
[25] EN
[54] **PRE-COATED STEEL SHEET COMPRISING AN ADDITIONAL COATING FOR INCREASING THE MECHANICAL STRENGTH OF THE WELD METAL ZONE OF A WELDED STEEL PART PREPARED FROM SAID PRE-COATED SHEET**
[54] **TOLE D'ACIER PRE-REVETUE COMPRENANT UN REVETEMENT SUPPLEMENTAIRE POUR AUGMENTER LA RESISTANCE MECANIQUE DE LA ZONE DE METAL DE SOUDURE D'UNE PIECE EN ACIER SOUDE PREPAREE A PARTIR DE LADITE TOLE PRE-REVETUE**
[72] ZHOU, YUNHONG NORMAN, CA
[72] SAHA, DULAL CHANDRA, CA
[72] BIRO, ELLIOT, CA
[72] MACWAN, ANDREW, CA
[72] GERLICH, ADRIAN PIOTR, CA
[72] KHAN, SHEHRYAR, CA
[71] ARCELORMITTAL, LU
[85] 2022-06-07
[86] 2020-12-15 (PCT/IB2020/061928)
[87] (WO2021/130602)
[30] IB (PCT/IB2019/061333) 2019-12-24

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[13] A1
[51] **Int.Cl. G06K 9/62 (2022.01) A61B 5/00 (2006.01)**
[25] EN
[54] **EFFICIENT ARTIFICIAL INTELLIGENCE ANALYSIS OF IMAGES WITH COMBINED PREDICTIVE MODELING**
[54] **ANALYSE EFFICACE D'IMAGES PAR INTELLIGENCE ARTIFICIELLE A MODELISATION PREDICTIVE COMBINEE**
[72] WALLACK, SETH, US
[72] VENEGAS, RUBEN, US
[72] OMONTE, ARIEL AYAVIRI, BO
[72] SREETHARAN, PRATHEEV SABARATNAM, US
[72] TENG, YUAN-CHING SPENCER, DK
[71] VETOLOGY INNOVATIONS, LLC., US
[85] 2022-06-03
[86] 2020-12-22 (PCT/US2020/066580)
[87] (WO2021/133786)
[30] US (62/954,046) 2019-12-27
[30] US (62/980,669) 2020-02-24
[30] US (63/083,422) 2020-09-25

[21] **3,163,992**
[13] A1
[51] **Int.Cl. A23K 10/16 (2016.01) A23K 20/158 (2016.01) A23K 20/163 (2016.01) A23L 33/00 (2016.01) A23L 33/115 (2016.01) A23L 33/12 (2016.01) A23L 33/135 (2016.01) A61K 31/739 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **USES OF LIPOTEICHOIC ACID FROM BIFIDOBACTERIA**
[54] **UTILISATIONS D'ACIDE LIPOTEICHOIQUE A PARTIR DE BIFIDOBACTERIES**
[72] MARTORELL GUEROLA, PATRICIA, ES
[72] BALAGUER VIDAL, FERRAN, ES
[72] ENRIQUE LOPEZ, MARIA, ES
[72] TORTAJADA SERRA, MARTA, ES
[72] RAMON VIDAL, DANIEL, ES
[72] BARRENA CASTILLO, MARTA, ES
[72] HAMMANN, BLAKE, ES
[72] ALVAREZ PEREZ, BEATRIZ, ES
[72] CHENOLL CUADROS, EMPAR, ES
[71] BIOPOLIS, S.L., ES
[85] 2022-06-03
[86] 2020-12-22 (PCT/EP2020/087615)
[87] (WO2021/130219)
[30] EP (19383202.9) 2019-12-27

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[13] A1
[51] **Int.Cl. E01H 5/02 (2006.01) B60B 39/12 (2006.01) E01H 1/12 (2006.01)**
[25] EN
[54] **MATERIAL RELOCATION DEVICE AND METHOD FOR RELOCATION OF MATERIALS**
[54] **DISPOSITIF DE DEPLACEMENT DE MATERIAUX ET PROCEDE DE DEPLACEMENT DE MATERIAUX**
[72] JAVANAINEN, TOMMI, FI
[71] SHOREVER OY, FI
[85] 2022-07-06
[86] 2020-01-20 (PCT/FI2020/050031)
[87] (WO2020/152397)
[30] FI (20195043) 2019-01-24

[21] **3,163,996**
[13] A1
[51] **Int.Cl. A61L 27/36 (2006.01) C12N 5/071 (2010.01) A61K 35/30 (2015.01)**
[25] EN
[54] **EXTRACELLULAR MATRIX SYSTEMS, DEVICES, AND METHODS OF DEPLOYMENT**
[54] **SYSTEMES DE MATRICE EXTRACELLUAIRE, DISPOSITIFS ET PROCEDES DE DEPLOIEMENT**
[72] SOLETTI, LORENZO, US
[72] BOWMAN, JOSH, US
[72] CWALINA, NICOLE, US
[72] BURGER, BRANDON, US
[72] FLAHERTY, J. CHRISTOPHER, US
[71] RENERVA, LLC, US
[85] 2022-06-03
[86] 2020-12-30 (PCT/US2020/067431)
[87] (WO2021/138399)
[30] US (62/954,813) 2019-12-30
[30] US (63/085,797) 2020-09-30

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[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/00 (2006.01) A61B 18/12 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL SYSTEM WITH TISSUE AND MAXIMUM CURRENT IDENTIFICATION**
[54] **SYSTEME ELECTROCHIRURGICAL AVEC IDENTIFICATION DE TISSU ET DE COURANT MAXIMAL**
[72] POPE, RYAN, US
[72] BRODSKY, MELISSA, US
[72] RODRIGUEZ, VINCENT, US
[72] MARBUT, MOLLY, US
[72] SIAZON, KEVIN, US
[72] KOEHLER, EMILY, US
[71] APPLIED MEDICAL RESOURCES CORPORATION, US
[85] 2022-06-03
[86] 2020-12-30 (PCT/US2020/067540)
[87] (WO2021/138472)
[30] US (62/955,758) 2019-12-31

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[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/12 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **SINGLE-USE CELL CULTURE CONTAINER WITH ONE OR MORE IN-SITU ONLINE SENSORS**
[54] **RECIPIENT DE CULTURE CELLULAIRE A USAGE UNIQUE AVEC UN OU PLUSIEURS CAPTEURS EN LIGNE IN SITU**
[72] SCHWALD, CHRISTIAN, DE
[71] F. HOFFMAN-LA ROCHE AG, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-06-03
[86] 2020-12-30 (PCT/EP2020/088013)
[87] (WO2021/136798)
[30] EP (20150132.7) 2020-01-02

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[13] A1
[51] **Int.Cl. C12N 5/078 (2010.01) A61M 1/36 (2006.01) B03C 1/033 (2006.01) C12M 1/00 (2006.01) C12M 1/12 (2006.01) C12M 1/26 (2006.01) C12M 1/34 (2006.01) C12M 1/42 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **TORUS REACTOR FOR A COMBINED CELL ISOLATOR AND BIOREACTOR**
[54] **REACTEUR TORIQUE POUR ISOLATEUR DE CELLULES ET BIOREACTEUR COMBINES**
[72] DALY, JOHN, IE
[72] CURRAN, KIERAN, IE
[72] GLYNN, MACDARA, IE
[72] MCCABE, MARK, IE
[72] MERRIGAN, DAVID, IE
[72] RYAN, JASON, IE
[72] GRIFFIN, JOHN PAUL, IE
[72] RYAN, CAITRIONA, IE
[72] REDDIN, MARTIN, IE
[71] ANUCELL BIOSYSTEMS LIMITED, IE
[85] 2022-06-03
[86] 2020-12-04 (PCT/IB2020/000992)
[87] (WO2021/111182)
[30] US (16/706,558) 2019-12-06

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[13] A1
[51] **Int.Cl. A61B 17/08 (2006.01) A61F 13/02 (2006.01) A61M 25/02 (2006.01) A61M 39/02 (2006.01)**
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[54] **INJECTION AND INFUSION SITE TREATMENT DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES DE TRAITEMENT DE SITE D'INJECTION ET DE PERFUSION**
[72] LIPMAN, KELLEY J., US
[72] JACKSON, JASPER, US
[72] ZEPEDA, JOHN A., US
[72] WADLOW, PHILIP J., US
[72] LASRADO, REUBEN E., US
[71] NEODYNE BIOSCIENCES, INC., US
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[87] (WO2021/119360)
[30] US (62/946,345) 2019-12-10

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[51] **Int.Cl. B65D 41/34 (2006.01) B65D 50/04 (2006.01)**
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[54] **TAMPER EVIDENT CLOSURE**
[54] **FERMETURE INVIOLABLE**
[72] KREINBRINK, ANDREW, US
[72] BLOOM, DANIEL A., US
[72] VASSALLO, JOHN A., US
[72] GIFT, STEVEN DANIEL, US
[72] PUGNE, DARIN MICHAEL, US
[71] BERRY GLOBAL, INC., US
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[30] US (62/946,651) 2019-12-11

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[51] **Int.Cl. B60P 1/64 (2006.01) B60P 7/13 (2006.01) B65D 19/06 (2006.01) B65D 19/42 (2006.01) B65G 67/04 (2006.01)**
[25] EN
[54] **AUTOMATED PALLET CONTAINER HYBRID**
[54] **CONTENEUR DE PALETTES AUTOMATISE HYBRIDE**
[72] SANTORA, JR., MICHAEL VINCENT, US
[71] LOGIC PALLET, LLC, US
[85] 2022-06-07
[86] 2020-12-16 (PCT/US2020/065275)
[87] (WO2021/126955)
[30] US (62/974,682) 2019-12-18

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[51] **Int.Cl. E21B 7/24 (2006.01) E21B 17/07 (2006.01) E21B 28/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DAMPING/ABSORBING ROTATIONAL VIBRATIONS/OSCILLATIONS**
[54] **PROCEDE ET APPAREIL POUR AMORTIR/ABSORBER DES VIBRATIONS/OSCILLATIONS DE ROTATION**
[72] SIMANOWSKI, MARIO, US
[72] FREYER, CARSTEN, US
[72] VOLGMANN, MARCO, US
[72] WILSON, JOSH, US
[71] SCIENTIFIC DRILLING INTERNATIONAL, INC., US
[85] 2022-06-07
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[30] US (62/952,233) 2019-12-21

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[54] **MICRO-CHANNEL PULSATING HEAT PIPE**
[54] **CALODUC PULSATOIRE A MICRO-CANAUX**
[72] CHIRIAC, VICTOR ADRIAN, US
[72] THOME, JOHN RICHARD, CH
[71] GLOBAL COOLING TECHNOLOGY GROUP, LLC, US
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[86] 2020-12-23 (PCT/US2020/066938)
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[25] EN
[54] **COLD-ROLLED AND ANNEALED STEEL SHEET AND MANUFACTURING METHOD**
[54] **TOLE D'ACIER LAMINEE A FROID ET RECUITE ET SON PROCEDE DE FABRICATION**
[72] DRILLET, JOSEE, FR
[71] ARCELORMITTAL, LU
[85] 2022-06-03
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[54] **ALK5 INHIBITOR CONJUGATES AND USES THEREOF**
[54] **CONJUGUES INHIBITEURS D'ALK5 ET LEURS UTILISATIONS**
[72] THOMAS-KARYAT, DORI, US
[71] SYNTHIS THERAPEUTICS, INC., US
[85] 2022-06-07
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[25] EN
[54] **SYSTEM AND METHOD FOR ON-DEMAND OWNERSHIP MANAGEMENT**
[54] **SYSTEME ET PROCEDE DE GESTION DE PROPRIETE A LA DEMANDE**
[72] RICHARDS, ROBERT DONALD, CA
[72] MODY, YASH, CA
[72] MANUGE, DEREK JACK, CA
[71] KEY LIVING CORPORATION, CA
[85] 2022-06-03
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[30] US (62/952,237) 2019-12-21
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[51] **Int.Cl. C12N 15/63 (2006.01) C12N 5/04 (2006.01) C12N 15/82 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TRANSGENIC CROPS RESISTANT TO THAXTOMINS**
[54] **COMPOSITIONS ET PROCEDES POUR CULTURES TRANSGENIQUES RESISTANTES AUX THAXTOMINES**
[72] DING, YOUSONG, US
[72] JIANG, GUANGDE, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2022-06-07
[86] 2020-12-10 (PCT/US2020/064325)
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[30] US (62/946,069) 2019-12-10

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[51] **Int.Cl. B29C 45/14 (2006.01) B29C 45/26 (2006.01) B65D 33/38 (2006.01)**
[25] EN
[54] **DISCHARGE MEMBER, ACCOMODATING CONTAINER, METHOD FOR MANUFACTURING DISCHARGE MEMBER, MOLD FOR INJECTION MOLDING, AND DISCHARGE MEMBER WITH CLOSING MEMBER**
[54] **ELEMENT D'EVACUATION, RECIPIENT DE RECEPTION, PROCEDE DE PRODUCTION POUR ELEMENT D'EVACUATION, MOULE POUR MOULAGE PAR INJECTION ET ELEMENT D'EVACUATION POURVU D'UN ELEMENT DE FERMETURE**
[72] ICHIKAWA, TORU, JP
[72] KOTANI, TAKAYUKI, JP
[72] SHINOHARA, TOMONARI, JP
[71] HOSOKAWA YOKO CO., LTD., JP
[85] 2022-06-03
[86] 2020-12-01 (PCT/JP2020/044583)
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[30] JP (2019-221740) 2019-12-06

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[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/24 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTI-GDF15 ANTIBODY**
[54] **ANTICORPS ANTI-GDF15**
[72] NISHIHARA, SHIGEKI, JP
[72] ISHIKAWA, YUICHI, JP
[72] NAKAISHI, YUICHIRO, JP
[72] KAWATO, TATSUYA, JP
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
[85] 2022-06-03
[86] 2020-12-03 (PCT/JP2020/045062)
[87] (WO2021/112185)
[30] JP (PCT/JP2019/047956) 2019-12-06

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[13] A1
[51] **Int.Cl. A61K 38/19 (2006.01) A61K 38/20 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF TREATING CANCER WITH CHIMERIC ANTIGEN RECEPTORS TARGETING GLYPICAN 3**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DU CANCER A L'AIDE DE RECEPTEURS ANTIGENIQUES CHIMERIQUES CIBLANT LE GLYPICANE 3**
[72] GILBRETH, RYAN, US
[72] MOODY, GORDON, US
[72] GIARDINO TORCHIA, MARIA LETIZIA, US
[72] WANG, QIONG, US
[72] MUMM, JOHN, US
[71] MEDIMMUNE, LLC, US
[85] 2022-06-06
[86] 2020-12-11 (PCT/US2020/064415)
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[30] US (62/951,309) 2019-12-20

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[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/483 (2006.01) G01N 33/487 (2006.01) G01N 33/493 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHOD OF DIAGNOSING AND TREATMENT MONITORING OF CROHN'S DISEASE AND ULCERATIVE COLITIS**
[54] **METHODE DE DIAGNOSTIC ET DE TRAITEMENT DE LA MALADIE DE CROHN ET DE LA RECTOCOLITE HEMORRAGIQUE**
[72] BRITZ-MCKIBBIN, PHILIP, CA
[72] PAI, NIKHIL, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2022-06-08
[86] 2020-12-13 (PCT/CA2020/051717)
[87] (WO2021/113989)
[30] US (62/947,987) 2019-12-13

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[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) G06Q 50/10 (2012.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A PROACTIVE TWO-WAY CONVERSATION**
[54] **SYSTEMES ET PROCEDES POUR UNE CONVERSATION BIDIRECTIONNELLE PROACTIVE**
[72] TRAN, LINH, US
[72] PATEL, NEELIMA, US
[71] LIVEPERSON, INC., US
[85] 2022-06-06
[86] 2020-12-16 (PCT/US2020/065287)
[87] (WO2021/126962)
[30] US (62/948,673) 2019-12-16

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[13] A1
[51] **Int.Cl. A61J 9/08 (2006.01) A61K 38/47 (2006.01) B65D 1/04 (2006.01) B65D 51/28 (2006.01) B65D 83/06 (2006.01) B65D 83/20 (2006.01)**
[25] EN
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[54] **PRODUIT DE LACTASE STABLE**
[72] ZAKHIA, RICHARD, US
[71] PHARMUNION, LLC, US
[85] 2022-06-06
[86] 2020-12-24 (PCT/US2020/066995)
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[30] US (62/953,736) 2019-12-26

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD FOR PREDICTING REACTIVITY TO DRUG TARGETING BCL2 FAMILY PROTEIN**
[54] **PROCEDE DE PREDICTION DE LA REACTIVITE A UN MEDICAMENT CIBLANT UNE PROTEINE DE LA FAMILLE BCL2**
[72] YOON, TAE-YOUNG, KR
[72] LEE, HONGWON, KR
[72] CHOI, BYOUNGSAN, KR
[72] CHA, MINKWON, KR
[72] HONG, SAEM, KR
[72] LEE, YUNSEO, KR
[72] CHUN, CHANGJU, KR
[72] KOH, YOUNGIL, KR
[72] YOON, SUNG-SOO, KR
[71] PROTEINA CO., LTD., KR
[85] 2022-06-03
[86] 2020-12-04 (PCT/KR2020/017691)
[87] (WO2021/112635)
[30] KR (10-2019-0162071) 2019-12-06
[30] KR (10-2020-0157961) 2020-11-23

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[13] A1
[51] **Int.Cl. A23C 20/02 (2021.01) A23L 33/185 (2016.01) A23C 20/00 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **PLANT-BASED CHEESE PRODUCT**
[54] **PRODUIT FROMAGER A BASE VEGETALE**
[72] MARANGONI, ALEJANDRO, CA
[72] MATTICE, KRISTIN, CA
[71] UNIVERSITY OF GUELPH, CA
[85] 2022-06-08
[86] 2020-12-11 (PCT/CA2020/051711)
[87] (WO2021/113985)
[30] US (62/947,223) 2019-12-12

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[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) H02J 1/00 (2006.01) H02J 7/04 (2006.01) H02J 7/14 (2006.01)**
[25] EN
[54] **JUMP STARTING DEVICE WITH A JUMP START CURRENT SHARING SYSTEM, AND A JUMP START CURRENT SHARING METHOD**
[54] **DISPOSITIF DE RECHARGE DE BATTERIE DOTE D'UN SYSTEME DE PARTAGE DE COURANT DE RECHARGE DE BATTERIE ET PROCEDE DE PARTAGE DE COURANT DE RECHARGE DE BATTERIE**
[72] STANFIELD, JAMES RICHARD, US
[72] MCBRIDE, JAMES P., US
[72] DAVIDSON, ANDREA CAROLINA, US
[71] THE NOCO COMPANY, US
[85] 2022-06-06
[86] 2020-12-08 (PCT/US2020/070876)
[87] (WO2021/119656)
[30] US (62/945,496) 2019-12-09

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[13] A1
[51] **Int.Cl. A61K 31/712 (2006.01) C12N 15/113 (2010.01) A61K 31/7125 (2006.01)**
[25] EN
[54] **OLIGONUCLEOTIDES FOR TREATMENT OF ANGIOPOIETIN LIKE 4 (ANGPTL4) RELATED DISEASES**
[54] **OLIGONUCLEOTIDES POUR LE TRAITEMENT DE MALADIES ASSOCIEES A L'ANGIOPOIETINE 4 (ANGPTL4)**
[72] GOTTESMAN, OMRI, US
[72] BRUSE, SHANNON, US
[72] CAJES, BRIAN, US
[72] LEWIS, DAVID, US
[72] ROZEMA, DAVID, US
[71] EMPIRICO INC., US
[85] 2022-06-07
[86] 2020-12-08 (PCT/US2020/063824)
[87] (WO2021/119019)
[30] US (62/945,732) 2019-12-09

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[13] A1
[51] **Int.Cl. H03L 7/18 (2006.01)**
[25] EN
[54] **METHOD FOR UP-CONVERTING CLOCK SIGNAL, CLOCK CIRCUIT AND DIGITAL PROCESSING DEVICE**
[54] **PROCEDE D'AMPLIFICATION DE LA FREQUENCE D'UN SIGNAL D'HORLOGE, CIRCUIT D'HORLOGE ET DISPOSITIF DE TRAITEMENT NUMERIQUE**
[72] LIU, JIANBO, CN
[72] MA, WEIBIN, CN
[72] HUANG, LIHONG, CN
[72] YANG, ZUOXING, CN
[72] GUO, HAIFENG, CN
[71] SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD., CN
[85] 2022-06-09
[86] 2021-06-22 (PCT/CN2021/101449)
[87] (WO2021/259235)
[30] CN (202010582032.2) 2020-06-23

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[13] A1
[51] **Int.Cl. E21B 21/08 (2006.01)**
[25] EN
[54] **ANNULAR PRESSURE CAP DRILLING METHOD**
[54] **PROCEDE DE FORAGE A COIFFE DE PRESSION ANNULAIRE**
[72] HUGHES, WILLIAM JAMES, US
[71] HUGHES TOOL COMPANY LLC, US
[85] 2022-06-07
[86] 2020-12-06 (PCT/US2020/063522)
[87] (WO2021/118895)
[30] US (62/945,210) 2019-12-08
[30] US (17/113,005) 2020-12-05

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[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) A61P 7/06 (2006.01) C12N 5/10 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **MODIFIED CELLS AND METHODS FOR THE TREATMENT OF HEMOGLOBINOPATHIES**
[54] **CELLULES MODIFIEES ET METHODES POUR LE TRAITEMENT D'HEMOGLOBINOPATHIES**
[72] GORI, JENNIFER LEAH, US
[72] AUPEPIN DE LAMOTHE-DREUZY, EDOUARD, US
[72] HEATH, JACK, US
[72] ZURIS, JOHN ANTHONY, US
[72] CHANG, KAIHSIN, US
[71] EDITAS MEDICINE, INC., US
[85] 2022-06-07
[86] 2020-12-09 (PCT/US2020/063854)
[87] (WO2021/119040)
[30] US (63/115,518) 2020-11-18

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[13] A1
[51] **Int.Cl. A61K 31/455 (2006.01) A61P 33/06 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **NOVEL ANTIMALARIAL AGENT CONTAINING HETEROCYCLIC COMPOUND**
[54] **NOUVEL AGENT ANTIPALUDIQUE CONTENANT UN COMPOSE HETEROCYCLIQUE**
[72] HORII, TAKAAKI, JP
[72] SUZUKI, SHUICHI, JP
[72] ROUPANY, ANDREW JAMES AMIN, GB
[72] MUI, JAMES JUN BON, GB
[72] LEWIS-MARSHALL, JOSEPH PETER, GB
[72] DEVAN, FRANCESCA ANN, GB
[72] CARTWRIGHT, MATTHEW WILLIAM, GB
[71] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2022-06-07
[86] 2021-01-19 (PCT/JP2021/001735)
[87] (WO2021/149692)
[30] US (62/963,714) 2020-01-21
[30] US (63/085,511) 2020-09-30

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[13] A1
[51] **Int.Cl. C12Q 1/686 (2018.01) C12Q 1/6848 (2018.01)**
[25] EN
[54] **PCR METHOD AND PCR KIT FOR INCREASING ALLELIC DISCRIMINATION**
[54] **PROCEDE PCR ET KIT PCR POUR AUGMENTER LA DISCRIMINATION ALLELIQUE**
[72] KIM, JAE JONG, KR
[72] LIM, SI-KYU, KR
[72] PARK, IN KYUNG, KR
[72] KYUNG, AYOUNG, KR
[72] LEE, BO MI, KR
[72] RYU, JEOUNGHYUN, KR
[72] CHA, SUN HO, KR
[72] BAEK, SEUNGWOO, KR
[71] GENOTECH CORP., KR
[85] 2022-06-03
[86] 2020-12-11 (PCT/KR2020/018147)
[87] (WO2021/118288)
[30] KR (10-2019-0164776) 2019-12-11

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[13] A1
[51] **Int.Cl. F41A 19/15 (2006.01) F41A 19/02 (2006.01) F41A 19/16 (2006.01) F41A 19/45 (2006.01)**
[25] EN
[54] **TRIGGER FOR A FIREARM AND A FIREARM EQUIPPED THEREWITH**
[54] **DETENTE D'ARME A FEU ET ARME A FEU EQUIPEE DE CETTE DERNIERE**
[72] WERDNIG, ANDREAS, AT
[72] WUTTE, ANDREAS, AT
[71] GLOCK TECHNOLOGY GMBH, AT
[85] 2022-06-08
[86] 2020-10-13 (PCT/EP2020/078722)
[87] (WO2021/121708)
[30] EP (19216895.3) 2019-12-17

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[13] A1
[51] **Int.Cl. G01S 15/89 (2006.01) A61B 8/08 (2006.01) G06K 9/00 (2022.01) G06K 9/62 (2022.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR AUTOMATED ANALYSES OF ULTRASOUND IMAGES**
[54] **APPAREIL ET PROCEDE POUR ANALYSES AUTOMATISEES D'IMAGES ULTRASONORES**
[72] VEGA ROMERO, ROBERTO IVAN, CA
[71] MEDO DX PTE. LTD, SG
[85] 2022-06-03
[86] 2020-12-17 (PCT/SG2020/050754)
[87] (WO2021/137755)
[30] US (62/955,037) 2019-12-30

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[13] A1
[51] **Int.Cl. F41A 19/15 (2006.01) F41A 11/02 (2006.01) F41A 19/02 (2006.01) F41A 19/16 (2006.01) F41A 19/45 (2006.01)**
[25] EN
[54] **TRIGGER UNIT FOR A FIREARM AND A FIREARM EQUIPPED THEREWITH**
[54] **UNITE DE DECLENCHEMENT POUR UNE ARME A FEU ET ARME A FEU EQUIPEE DE CELLE-CI**
[72] WERDNIG, ANDREAS, AT
[71] GLOCK TECHNOLOGY GMBH, AT
[85] 2022-06-08
[86] 2020-10-13 (PCT/EP2020/078723)
[87] (WO2021/121709)
[30] EP (19216895.3) 2019-12-17

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[13] A1
[51] **Int.Cl. F41A 19/02 (2006.01) F41A 11/02 (2006.01) F41A 19/15 (2006.01) F41A 19/16 (2006.01) F41A 19/45 (2006.01)**
[25] EN
[54] **TRIGGER FOR A FIREARM AND A FIREARM EQUIPPED THEREWITH**
[54] **DETENTE D'ARME A FEU ET ARME A FEU EQUIPEE DE CETTE DERNIERE**
[72] WERDNIG, ANDREAS, AT
[71] GLOCK TECHNOLOGY GMBH, AT
[85] 2022-06-08
[86] 2020-10-13 (PCT/EP2020/078724)
[87] (WO2021/121710)
[30] EP (19216895.3) 2019-12-17

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[13] A1
[51] **Int.Cl. G06T 7/11 (2017.01) G06T 7/10 (2017.01) G06T 7/00 (2017.01)**
[25] EN
[54] **METHOD FOR DETERMINING SEVERITY OF SKIN DISEASE BASED ON PERCENTAGE OF BODY SURFACE AREA COVERED BY LESIONS**
[54] **PROCEDE DE DETERMINATION DE LA GRAVITE D'UNE MALADIE DE LA PEAU SUR LA BASE D'UN POURCENTAGE DE SURFACE CORPORELLE COUVERTE PAR DES LESIONS**
[72] CHEN, YANQING, US
[72] TANG, CHARLES, US
[72] MUNOZ-ELIAS, ERNESTO J., US
[71] JANSSEN BIOTECH, INC., US
[85] 2022-06-07
[86] 2020-12-08 (PCT/IB2020/061648)
[87] (WO2021/116909)
[30] US (62/945,642) 2019-12-09

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **NON-INVASIVE ASSAY FOR DETECTING AND MONITORING SYSTEMIC INFLAMMATION**
[54] **ESSAI NON INVASIF POUR LA DETECTION ET LA SURVEILLANCE D'UNE INFLAMMATION SYSTEMIQUE**
[72] SHENHAR-TSARFATY, SHANI, IL
[72] BERLINER, SHLOMO AVRAHAM, IL
[72] ROGOWSKI, ORI, IL
[72] FISHER, EYAL, IL
[72] SILBERMAN, ADI, IL
[72] LEVIN, YISHAI, IL
[71] ICHILOV TECH LTD., IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
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[86] 2020-12-10 (PCT/IL2020/051278)
[87] (WO2021/117045)
[30] US (62/946,438) 2019-12-11

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[51] **Int.Cl. C05G 5/20 (2020.01) C05D 9/02 (2006.01) C05F 11/02 (2006.01)**
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[54] **EXTRAIT LIQUIDE D'ACIDE HUMIQUE**
[72] HONDA, KAZUMA, JP
[72] SATO, TAIGA, JP
[72] ICHIJOH, TOSHIHARU, JP
[71] DENKA COMPANY LIMITED, JP
[85] 2022-06-07
[86] 2020-12-09 (PCT/JP2020/045788)
[87] (WO2021/117755)
[30] JP (2019-224175) 2019-12-12

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[51] **Int.Cl. A61K 31/453 (2006.01) A61K 31/496 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATMENT OF ALZHEIMER'S DISEASE**
[54] **COMPOSES POUR LE TRAITEMENT DE LA MALADIE D'ALZHEIMER**
[72] HENNING, ROBERT HENK, NL
[72] VAN DER GRAAF, ADRIANUS CORNELIS, NL
[72] KRENNING, GUIDO, NL
[72] SWART, DANIEL HENRI, NL
[72] DE VEIJ MESTDAGH, CHRISTINA FRANCOISE, NL
[72] VOGELAAR, PIETER CORNELIS, NL
[71] SULFATEQ B.V., NL
[71] RIJKSUNIVERSITEIT GRONINGEN, NL
[85] 2022-06-07
[86] 2020-12-11 (PCT/NL2020/050782)
[87] (WO2021/118359)
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[51] **Int.Cl. G01N 37/00 (2006.01) G01N 21/62 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ANALYZING UNKNOWN SAMPLE COMPOSITIONS USING A PREDICTION MODEL BASED ON OPTICAL EMISSION SPECTRA**
[54] **SYSTEMES ET PROCEDES DESTINES A ANALYSER DES COMPOSITIONS D'ECHANTILLONS INCONNUES AU MOYEN D'UN MODELE DE PREDICTION SUR LA BASE DE SPECTRES D'EMISSION OPTIQUE**
[72] ALHAIMI, ABDULRAHMAN, CA
[72] MCQUAY, JAMES, CA
[72] BADIEI, HAMID, CA
[71] PERKINELMER HEALTH SCIENCES CANADA, INC., CA
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[30] US (16/709,199) 2019-12-10

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[51] **Int.Cl. H04W 48/16 (2009.01) H04W 48/10 (2009.01)**
[25] EN
[54] **CONFIGURING ACCESS CONTROL PARAMETERS IN WIRELESS COMMUNICATIONS**
[54] **CONFIGURATION DE PARAMETRES DE CONTROLE D'ACCES DANS DES COMMUNICATIONS SANS FIL**
[72] GAO, YUAN, CN
[72] HUANG, HE, CN
[71] ZTE CORPORATION, CN
[85] 2022-06-08
[86] 2020-04-09 (PCT/CN2020/083913)
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[51] **Int.Cl. G06F 3/16 (2006.01) G06F 9/4401 (2018.01) G10L 15/22 (2006.01)**
[25] EN
[54] **SMART-DEVICE-ORIENTATED FEEDBACK AWAKING METHOD AND SMART DEVICE THEREOF**
[54] **PROCEDE D'ACTIVATION T DE RETROACTION DE DISPOSITIF INTELLIGENT, ET DISPOSITIF INTELLIGENT**
[72] HANG, JIN, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-06-08
[86] 2020-07-30 (PCT/CN2020/105956)
[87] (WO2021/114687)
[30] CN (201911247176.6) 2019-12-09

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[51] **Int.Cl. G06K 9/00 (2022.01)**
[25] EN
[54] **VIDEO PROCESSING METHOD AND DEVICE BASED ON DEEP LEARNING**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE VIDEO BASES SUR UN APPRENTISSAGE PROFOND**
[72] MENG, FANYU, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-06-08
[86] 2020-07-30 (PCT/CN2020/105991)
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[25] EN
[54] **A METHOD TO CAPTURE AND UTILIZE CO2 AND AN INSTALLATION FOR CAPTURING AND UTILIZING CO2**
[54] **PROCEDE DE CAPTAGE ET D'UTILISATION DE CO2 ET INSTALLATION DE CAPTAGE ET D'UTILISATION DE CO2**
[72] SINGH, VARUN, BE
[72] GALVITA, VLADIMIR, BE
[72] SAEYS, MARK, BE
[72] MARIN, GUY, BE
[71] UNIVERSITEIT GENT, BE
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[86] 2020-12-08 (PCT/EP2020/084996)
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[51] **Int.Cl. A23F 5/04 (2006.01) A23N 12/08 (2006.01) A23N 12/12 (2006.01) B01D 53/00 (2006.01)**
[25] EN
[54] **METHOD TO SELECT THE SMOKE TREATING UNIT OF A ROASTING APPARATUS**
[54] **PROCEDE DE SELECTION DE L'UNITE DE TRAITEMENT DE FUMEE D'UN APPAREIL DE TORREFACTION**
[72] DUBIEF, FLAVIEN FLORENT, CH
[72] CECCAROLI, STEFANO, CH
[72] MOREND, JOEL, CH
[72] DEGREEF, THOMAS RUDI S., BE
[72] VAN DYCK, BEN, BE
[72] GRIETENS, JOCHEM DAVID, BE
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-06-08
[86] 2020-12-31 (PCT/EP2020/088086)
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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **BLIND DETECTION AND DESCRAMBLING METHOD AND DEVICE, STORAGE MEDIUM AND ELECTRONIC DEVICE**
[54] **PROCEDE ET APPAREIL DE DETECTION AVEUGLE ET DE DESEMBROUILLAGE, SUPPORT DE STOCKAGE ET DISPOSITIF ELECTRONIQUE**
[72] WANG, JINGMEI, CN
[71] ZTE CORPORATION, CN
[85] 2022-06-08
[86] 2020-09-28 (PCT/CN2020/118546)
[87] (WO2021/114835)
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[25] EN
[54] **DIHYDRO-CYCLOPENTA-ISOQUINOLINE SULFONAMIDES DERIVATIVES**
[54] **DERIVES DE DIHYDRO-CYCLOPENTA-ISOQUINOLINE SULFONAMIDES**
[72] NORMAN, TIMOTHY JOHN, GB
[72] ZHU, ZHAONING, GB
[72] SUGANTHAN, SELVARATNAM, GB
[72] RAMPALAKOS, KONSTANTINOS, GB
[72] MADDEN, JAMES, GB
[72] HEER, JAG PAUL, GB
[72] FRANKLIN, RICHARD JEREMY, GB
[72] CONNELLY, RICKKI LEE, GB
[72] DEMAUDE, THIERRY, GB
[72] HASLETT, GREGORY WILLIAM, GB
[72] LALLEMAND, BENEDICTE, GB
[72] MONCK, NATHANIEL JULIUS THOMAS, GB
[72] ROWLEY, JULIAN HUGH, GB
[72] TRANI, GIANCARLO, GB
[71] UCB BIOPHARMA SRL, BE
[85] 2022-06-08
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[30] GB (1919212.9) 2019-12-23

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[51] **Int.Cl. A61K 31/5513 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **USE OF A BENZODIAZEPINE DERIVATIVE AND METHOD OF TREATMENT OF TRAUMATIC BRAIN INJURY**
[54] **UTILISATION D'UN DERIVE BENZODIAZEPINIQUE ET METHODE DE TRAITEMENT DU TRAUMATISME CRANIEN**
[72] VIEIRA FURTADO, ANDREZZA BOND, BR
[72] ALVES COURTES, ALINE, BR
[72] FARINA GONCALVES, DEBORA, BR
[72] DUARTE HARTMANN, DIANE, BR
[72] CASSOL, GUSTAVO, BR
[72] FREIRE ROYES, LUIZ FERNANDO, BR
[72] ANTUNES SOARES, FELIX ALEXANDRE, BR
[72] NUNEZ FIGUEREDO, YANIER, CU
[72] MONDELO RODRIGUEZ, ABEL, CU
[72] PADRON YAQUIS, ALEJANDRO SAUL, CU
[71] CENTRO DE INVESTIGACION Y DESARROLLO DE MEDICAMENTOS CIDEM, CU
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[30] CU (2019-0115) 2019-12-26

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[13] A1
[51] **Int.Cl. G08B 21/04 (2006.01) G08B 29/18 (2006.01)**
[25] EN
[54] **FALL DETECTION**
[54] **DETECTION DE CHUTE**
[72] MASCULO, FELIPE MAIA, NL
[72] TEN KATE, WARNER RUDOLPH THEOPHILE, NL
[71] LIFELINE SYSTEMS COMPANY, US
[85] 2022-06-08
[86] 2020-12-09 (PCT/EP2020/085195)
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[30] EP (19215279.1) 2019-12-11

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[25] EN
[54] **COCRYSTALS OF PTEROSTILBENE AND COMPOSITIONS COMPRISING THEM**
[54] **CO-CRISTAUX DE PTEROSTILBENE ET COMPOSITIONS COMPRENANT CEUX-CI**
[72] BOFILL HERRERA, LIDIA, ES
[72] DE SANDE LOPEZ, DAFNE, ES
[72] PROHENS LOPEZ, RAFEL, ES
[72] BARBAS CANERO, RAFAEL, ES
[71] CENTER FOR INTELLIGENT RESEARCH IN CRYSTAL ENGINEERING, S.L., ES
[85] 2022-06-08
[86] 2020-12-18 (PCT/EP2020/087017)
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[30] EP (19383178.1) 2019-12-20
[30] EP (20382170.7) 2020-03-09

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[13] A1
[51] **Int.Cl. A61K 33/04 (2006.01) A61P 3/02 (2006.01)**
[25] EN
[54] **STABILIZATION OF SELENITE IN A NUTRITIONAL SOLUTION BY DISSOLVED OXYGEN**
[54] **STABILISATION DE SELENITE DANS UNE SOLUTION NUTRITIONNELLE PAR DE L'OXYGENE DISSOUS**
[72] DUPONT, CAROLINE, BE
[72] BOUREZG, ZOUAOUI, BE
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2022-06-08
[86] 2020-12-17 (PCT/EP2020/086678)
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[30] EP (19217162.7) 2019-12-17

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[51] **Int.Cl. H04N 19/169 (2014.01) H04N 19/44 (2014.01) H04N 19/70 (2014.01) H04L 65/60 (2022.01)**
[25] EN
[54] **SUBPICTURE SIGNALING IN VIDEO CODING**
[54] **SIGNALISATION DE SOUS-IMAGE DANS UN CODAGE VIDEO**
[72] WU, PING, GB
[71] ZTE (UK) LIMITED, GB
[85] 2022-06-08
[86] 2020-12-09 (PCT/EP2020/085239)
[87] (WO2021/116158)
[30] US (16/709,907) 2019-12-10
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[51] **Int.Cl. A01N 43/40 (2006.01) A61P 33/10 (2006.01) C07D 215/38 (2006.01) C07D 215/42 (2006.01) C07D 405/12 (2006.01)**
[25] EN
[54] **ANTHELMINTIC COMPOUNDS COMPRISING A QUINOLINE STRUCTURE**
[54] **COMPOSES ANTHELMINTHIQUES COMPRENANT UNE STRUCTURE DE QUINOLEINE**
[72] BERGER, MICHAEL, DE
[72] LINDER, MICHAEL, DE
[72] SCHNEIDER, CAROLIN, DE
[72] TANZLER, JANINA, DE
[72] SONDERN, ULRICH, DE
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2022-06-08
[86] 2020-12-17 (PCT/EP2020/086666)
[87] (WO2021/122911)
[30] EP (19217685.7) 2019-12-18
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[25] EN
[54] **ANTAGONISTS OF THE MUSCARINIC ACETYLCHOLINE RECEPTOR M4**
[54] **ANTAGONISTES DU RECEPTEUR M4 D'ACETYLCHOLINE MUSCARINIQUE**
[72] LINDSLEY, CRAIG W., US
[72] CONN, P. JEFFREY, US
[72] BENDER, AARON M., US
[72] BOLLINGER, KATRINA A., US
[72] CARTER, TREVER R., US
[72] ROOK, JERRI M., US
[72] DICKERSON, JONATHAN W., US
[72] ENGERS, JULIE L., US
[72] TEMPLE, KAYLA J., US
[72] HAN, CHANGHO, US
[72] SPOCK, MATTHEW, US
[72] BAKER, LOGAN A., US
[72] BRIDGES, THOMAS M., US
[71] VANDERBILT UNIVERSITY, US
[85] 2022-06-07
[86] 2020-12-10 (PCT/US2020/064229)
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[30] US (62/946,014) 2019-12-10
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[51] **Int.Cl. A61K 31/485 (2006.01) A61K 31/5513 (2006.01) A61K 45/06 (2006.01) A61P 25/02 (2006.01) A61P 25/30 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD OF TREATMENT TO SIMULTANEOUSLY INCREASE THE ANALGESIC EFFICACY OF OPIOIDS AND REDUCE THEIR ADDICTIVE POWER**
[54] **COMPOSITION ET METHODE DE TRAITEMENT POUR AUGMENTER SIMULTANEMENT L'EFFICACITE ANALGESIQUE DES OPIOIDES ET REDUIRE LEUR POUVOIR ADDICTIF**
[72] GARRIDO SUAREZ, BARBARA BEATRIZ, CU
[72] BARZAGA-FERNANDEZ, PEDRO GILBERTO, CU
[72] PADRON-YAQUIS, ALEJANDRO SAUL, CU
[72] VERDECIA REYES, YAMILA, CU
[72] OCHOA RODRIGUEZ, ESTAEL, CU
[71] CENTRO DE INVESTIGACION Y DESARROLLO DE MEDICAMENTOS CIDEM, CU
[71] UNIVERSIDAD DE LA HABANA, CU
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[86] 2020-12-18 (PCT/CU2020/050010)
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[30] CU (2019-0114) 2019-12-26

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[25] EN
[54] **PROGRAMMABLE SWITCHING DEVICE FOR NETWORK INFRASTRUCTURES**
[54] **DISPOSITIF DE COMMUTATION PROGRAMMABLE POUR INFRASTRUCTURES DE RESEAU**
[72] KYRIANNIS, JAMES, US
[72] KYRIANNIS, MIN, US
[71] AMYNA SYSTEMS INC., US
[85] 2022-06-07
[86] 2020-12-10 (PCT/US2020/064285)
[87] (WO2021/119292)
[30] US (16/709,444) 2019-12-10

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[13] A1
[51] **Int.Cl. A01N 43/40 (2006.01) A61P 33/10 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **ANTHELMINTIC COMPOUNDS COMPRISING AZAINDOLES STRUCTURE**
[54] **COMPOSES ANTHELMINTHIQUES COMPRENANT UNE STRUCTURE D'AZAINDOLES**
[72] BERGER, MICHAEL, DE
[72] LINDER, MICHAEL, DE
[72] SCHNEIDER, CAROLIN, DE
[72] TANZLER, JANINA, DE
[72] SONDERN, ULRICH, DE
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2022-06-08
[86] 2020-12-17 (PCT/EP2020/086660)
[87] (WO2021/122906)
[30] EP (19217671.7) 2019-12-18
[30] EP (20213299.9) 2020-12-11

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[13] A1
[51] **Int.Cl. C01B 32/40 (2017.01) C01B 3/32 (2006.01) C01B 3/38 (2006.01)**
[25] EN
[54] **CYCLIC METHOD OF PRODUCING A HYDROGEN RICH STREAM AND/OR A CARBON MONOXIDE RICH STREAM**
[54] **PROCEDE CYCLIQUE DE PRODUCTION D'UN FLUX RICHE EN HYDROGENE ET/OU D'UN FLUX RICHE EN MONOXYDE DE CARBONE**
[72] SINGH, VARUN, BE
[72] GALVITA, VLADIMIR, BE
[72] SAEYS, MARK, BE
[72] MARIN, GUY, BE
[71] UNIVERSITEIT GENT, BE
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[86] 2020-12-08 (PCT/EP2020/084999)
[87] (WO2021/116066)
[30] EP (19214448.3) 2019-12-09

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[51] **Int.Cl. H02J 13/00 (2006.01) G05B 19/042 (2006.01) H02H 1/00 (2006.01) H02H 7/26 (2006.01)**
[25] EN
[54] **POWER DISTRIBUTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION D'ENERGIE**
[72] BENNETT, ROBERT ROSS, US
[72] ZUBIETA, LUIS EDUARDO, CA
[71] EMERA TECHNOLOGIES LLC, US
[85] 2022-06-07
[86] 2020-12-23 (PCT/US2020/066910)
[87] (WO2021/138207)
[30] US (62/955,736) 2019-12-31
[30] US (62/955,757) 2019-12-31
[30] US (16/926,480) 2020-07-10

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[51] **Int.Cl. B29C 64/00 (2017.01) B23K 9/04 (2006.01) B23K 9/06 (2006.01) B23K 10/00 (2006.01) H05H 1/34 (2006.01)**
[25] EN
[54] **VOLUMETRIC PLASMA GAS FLOW MEASUREMENT AND CONTROL SYSTEM FOR METAL-BASED WIRE-PLASMA ARC ADDITIVE MANUFACTURING APPLICATIONS**
[54] **SYSTEME VOLUMETRIQUE DE MESURE ET DE REGULATION DU DEBIT DE GAZ PLASMA DESTINE A DES APPLICATIONS DE FABRICATION ADDITIVE D'UN FIL - ARC PLASMA A BASE DE METAL**
[72] REZAPOUR, EHSAN, NO
[72] VIGDAL, BREDE, NO
[71] NORSK TITANIUM AS, NO
[85] 2022-06-08
[86] 2020-12-10 (PCT/EP2020/085540)
[87] (WO2021/116291)
[30] US (62/948,148) 2019-12-13
[30] US (17/116,092) 2020-12-09

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[51] **Int.Cl. A61K 31/53 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **PYRAZOLOTRIAZINES**
[54] **PYRAZOLOTRIAZINES**
[72] THEDE, KAI, DE
[72] BUCHGRABER, PHILIPP, DE
[72] SIEMEISTER, GERHARD, DE
[72] STEIGEMANN, PATRICK, DE
[72] WENGNER, ANTJE MARGRET, DE
[72] BOEMER, ULF, DE
[72] BARAK, NAOMI, DE
[72] LIENAU, PHILIP, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] DEUTSCHES KREBSFORSCHUNGSZENTRUM, DE
[85] 2022-06-08
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[87] (WO2021/116178)
[30] EP (19215354.2) 2019-12-11
[30] EP (20161680.2) 2020-03-06

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[51] **Int.Cl. C12Q 1/6883 (2018.01) C12Q 1/6827 (2018.01) G16B 15/00 (2019.01)**
[25] EN
[54] **METHODS FOR HIGH RESOLUTION SPECTRAL CHROMOSOME BANDING TO DETECT CHROMOSOMAL ABNORMALITIES**
[54] **PROCEDES DE MARQUAGE CHROMOSOMIQUE SPECTRAL A HAUTE RESOLUTION POUR DETECTER DES ANOMALIES CHROMOSOMIQUES**
[72] CROSS, ERIN, US
[72] TOMPKINS, CHRISTOPHER, US
[72] HUGHES, STEPHEN, US
[71] KROMATID, INC., US
[85] 2022-06-08
[86] 2020-12-08 (PCT/US2020/063786)
[87] (WO2021/119002)
[30] US (62/945,850) 2019-12-09

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[13] A1
[51] **Int.Cl. C04B 2/00 (2006.01) H01M 10/653 (2014.01)**
[25] EN
[54] **CERAMIC MATRIX COMPOSITES ENABLE THROUGH METAL HALIDE ASSISTED SINTERING**
[54] **COMPOSITES A MATRICE CERAMIQUE PERMETTANT UN FRITTAGE ASSISTE PAR HALOGENURE METALLIQUE**
[72] SNEAD, LANCE, US
[72] SPROUSTER, DAVID, US
[72] TRELEWICZ, JASON, US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
[85] 2022-06-08
[86] 2021-01-21 (PCT/US2021/014296)
[87] (WO2021/150670)
[30] US (62/964,420) 2020-01-22

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[25] EN
[54] **EGG REPLACEMENT CONTAINING EUGLENA-DERIVED COMPONENTS**
[54] **SUBSTITUT D'□UF CONTENANT DES COMPOSANTS DERIVES D'EUGLENES**
[72] NOBLE, ADAM J., CA
[72] SABOURI, SOMAYCH, CA
[72] SWAIN, ANGELA, CA
[72] MAHESHWARI, PEEYUSH, CA
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[54] **GEM-DISUBSTITUTED PIPERIDINE MELANOCORTIN SUBTYPE-2 RECEPTOR (MC2R) ANTAGONISTS AND USES THEREOF**
[54] **ANTAGONISTES DU RECEPTEUR DU SOUS-TYPE 2 DE LA MELANOCORTINE (MC2R) A PIPERIDINE A DOUBLE SUBSTITUTION GEM ET LEURS UTILISATIONS**
[72] HAN, SANGDON, US
[72] KIM, SUN HEE, US
[72] ZHU, YUNFEI, US
[71] CRINETICS PHARMACEUTICALS, INC., US
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[54] **DISPOSITIF DE SEPARATION, OBJET AUX FINS DE RECYCLAGE ET SYSTEME DE RECYCLAGE**
[72] JEBSEN, BORIS, DE
[71] 1 LESS GMBH, DE
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[54] **PROCEDES DE GENERATION DE CELLULES SOUCHES HEMATOPOIETIQUES**
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[72] SCAPIN, GIORGIA, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
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[54] **ELECTRICALLY HEATED REACTOR, A FURNACE COMPRISING SAID REACTOR AND A METHOD FOR GAS CONVERSIONS USING SAID REACTOR**
[54] **REACTEUR CHAUFFE ELECTRIQUEMENT, ET FOUR COMPRENANT LEDIT REACTEUR ET PROCEDE DE CONVERSION DE GAZ UTILISANT LEDIT REACTEUR**
[72] VAN DER PLOEG, GOVERT GERARDUS PIETER, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **REPLICATION VIRALE A MEDIATION PAR POLYMERASE VIRALE DE LA VACCINE**
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[71] IMMUNOLUX INTERNATIONAL CORP., US
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[54] **POLYTHERAPIE A BASE DE LIV1-ADC ET D'ANTAGONISTE DE PD-1**
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[72] CHOONG, NICHOLAS, US
[72] SUSSMAN, DJANGO, US
[71] SEAGEN INC., US
[71] MERCK SHARP & DOHME B.V., NL
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[72] GUPTA, KAPIL, US
[72] REZAIE, ALI, US
[72] ALLAN, NICHOLAS DAVID, CA
[72] DOLBERG, KRISTOFOR DYCK, CA
[72] SYROTUCK, NIGEL ANTHONY, CA
[72] KELLINGHUSEN, MARTIN JUERGEN, CA
[72] DRLIK, MARK SASHA, CA
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[72] MACCALLUM, KENNETH, CA
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[54] **DISPOSITIF DE BIOTRAITEMENT**
[72] LAURENT, JEREMIE, FR
[72] GHINATTI, GIULIA, IT
[72] KERGOURLAY, PHILIPPE, FR
[71] ASTRAVEUS, FR
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[54] **MESOTHELIN-TARGETED CD40 AGONISTIC MULTISPECIFIC ANTIBODY CONSTRUCTS FOR THE TREATMENT OF SOLID TUMORS**
[54] **CONSTRUCTIONS D'ANTICORPS MULTISPECIFIQUE AGONISTE DE CD40 CIBLE PAR LA MESOTHELINE PERMETTANT LE TRAITEMENT DE TUMEURS SOLIDES**
[72] YU, XIN, US
[72] EGEN, JACKSON, US
[72] GARCES, FERNANDO, US
[72] TAKENAKA, SHUNSUKE, US
[72] KIM, AERYON, US
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[54] **VEHICULES D'ADMINISTRATION DE BACTERIES POUR L'ADMINISTRATION IN VIVO D'UNE CHARGE UTILE D'ADN**
[72] FERNANDEZ RODRIGUEZ, JESUS, FR
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[54] **CIBLAGE DE MICROARN POUR REGULER LA FONCTION GENIQUE NATIVE PAR EDITION GENOMIQUE**
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[72] SHEN, BO, US
[72] ZHANG, JUN, US
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[54] **TECHNIQUES DE PRODUCTION DE PRODUITS EN ALLIAGE D'ALUMINIUM AYANT UNE FORMABILITE ET UNE APTITUDE AU RECYCLAGE AMELIOREES**
[72] KANG, DAEHOON, US
[72] DASCH, KYLE DAVID, US
[72] ROUX, MITCHELL GLENN, US
[72] HO, JOHN MIN, US
[72] DAS, SAZOL KUMAR, US
[72] MOHANTY, RASHMI RANJAN, US
[72] ZHU, DEWEI, US
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[72] LUQUE VERA, SERGIO, ES
[72] CAMARERO DIEZ, ROBERTO, ES
[72] ALFONSO GALLEGO, FERNANDO, ES
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[54] **A METHOD OF FORMING A CONJUGATE OF A SULFONAMIDE AND A POLYPEPTIDE**
[54] **PROCEDE DE FORMATION D'UN CONJUGUE D'UN SULFONAMIDE ET D'UN POLYPEPTIDE**
[72] BOEHME, THOMAS, DE
[72] RAEDISCH, MARISA, DE
[72] GERKEN, MANFRED, DE
[72] STEYER, OLIVER, DE
[72] BOSCHEINEN, OLIVER, DE
[72] SCHEPS, DANIEL, DE
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[54] **SYSTEME DE DETONATEUR SANS FIL**
[72] MULLER, ELMAR LENNOX, ZA
[72] BOTHA, MARIUS CHRISTO, ZA
[72] MEYER, TIELMAN CHRISTIAAN, ZA
[71] DETNET SOUTH AFRICA (PTY) LTD, ZA
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[54] **MODULATEURS DE L'ADAPTATEUR DE CULLIN 3 KBTBD4 EN TANT QUE COMPOSES ANTICANCEREUX**
[72] SAUVAGEAU, GUY, CA
[72] CHAGRAOUI, JALILA, CA
[72] GIRARD, SIMON, CA
[72] MARINIER, ANNE, CA
[72] FORTIER, SIMON, CA
[71] UNIVERSITE DE MONTREAL, CA
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[54] **DERIVE TETRAHYDROISOQUINOLINE TRICYCLIQUE, SON PROCEDE DE PREPARATION ET SON APPLICATION EN MEDECINE**
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[72] FAN, XING, CN
[72] YAN, JINGJING, CN
[72] ZHANG, XIQIAN, CN
[72] HE, FENG, CN
[72] TAO, WEIKANG, CN
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[72] REN, CHENG Q., US
[72] LUDDY, CHARLES P., US
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[72] YEE, BRIAN K., US
[72] WILT, MICHAEL J., US
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[54] **DETERMINATION D'UNE ACTION D'UN CLIENT PAR RAPPORT A UN PRODUIT**
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[72] TAYLOR, KENNETH, US
[72] PHAM, VINCENT, US
[72] ABAD, FARDIN ABDI TAGHI, US
[72] GOODSITT, JEREMY, US
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[54] **VASOPROTECTIVE AND CARDIOPROTECTIVE ANTIDIABETIC THERAPY USING DPP-4 INHIBITORS**
[54] **THERAPIE ANTIDIABETIQUE VASOPROTECTRICE ET CARDIOPROTECTRICE EMPLOYANT DES INHIBITEURS DE DPP-4**
[72] KLEIN, THOMAS, DE
[72] DAIBER, ANDREAS, DE
[72] JOHANSEN, ODD-ERIK, DE
[72] MARK, MICHAEL, DE
[72] PATEL, SANJAYKUMAR, DE
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[54] **COMPRESSEUR DE TURBOMACHINE A AUBES A CALAGE VARIABLE**
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[54] **SYSTEM AND METHOD FOR REAL TIME ASSAY MONITORING**
[54] **SYSTEME ET PROCEDE POUR SURVEILLANCE DE TEST EN TEMPS REEL**
[72] SEPULVEDA, JAVIER A. PEREZ, US
[72] CHENG, YU-HENG, US
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[54] **RECIPIENT DE REMPLISSAGE DE REVELATEUR ET SYSTEME DE REMPLISSAGE DE REVELATEUR**
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[72] OKINO, AYATOMO, JP
[71] CANON KABUSHIKI KAISHA, JP
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[71] BONUMOSE LLC, US
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[54] **FIRE HYDRANT LEAK DETECTOR**
[54] **DISPOSITIF DE DETECTION DE FUITE AU NIVEAU D'UNE BORNE D'INCENDIE**
[72] FLEURY, LEO W., US
[72] YUSUF, SHABBIR, US
[72] WILLIAMS, JAMES O., US
[72] MYLES, ANDREA, US
[72] RICHARZ, WERNER GUENTHER, US
[72] DINTAKURI, GANAPATHI DEVA VARMA, US
[72] HILLER, TIMOTHY SCOTT EDWARDS, US
[72] MERCER, STEVEN JAMES, US
[72] JANHUNEN, STEFAN ERIK, US
[71] MUELLER INTERNATIONAL, LLC, US
[22] 2012-08-10
[41] 2013-02-21
[62] 3,102,529
[30] US (61/523,274) 2011-08-12
[30] US (13/492,790) 2012-06-08
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[30] US (13/492,794) 2012-06-08
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[72] YUSUF, SHABBIR, US
[72] WILLIAMS, JAMES O., US
[72] MYLES, ANDREA, US
[72] RICHARZ, WERNER GUENTHER, US
[72] DINTAKURI, GANAPATHI DEVA VARMA, US
[72] HILLER, TIMOTHY SCOTT EDWARD, US
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[72] YUSUF, SHABBIR, US
[72] WILLIAMS, JAMES O., US
[72] MYLES, ANDREA, US
[72] RICHARZ, WERNER GUENTHER, US
[72] DINTAKURI, GANAPATHI DEVA VARMA, US
[72] HILLER, TIMOTHY SCOTT EDWARD, US
[72] MERCER, STEVEN JAMES, US
[72] JANHUNEN, STEFAN ERIK, US
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[54] **METHOD AND SYSTEM FOR DOWNHOLE OBJECT LOCATION AND ORIENTATION DETERMINATION**
[54]
[72] MILNE, CRAIG, GB
[72] FRANKEY, BRIAN, GB
[72] PARKER, TOM, GB
[72] FARHADIROUSHAN, MAHMOUD, GB
[71] SILIXA LTD, GB
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[62] 2,948,753
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[54] **COMPOSITIONS AND METHODS FOR THE DIAGNOSIS OF RHEUMATOID ARTHRITIS**
[54] **COMPOSITIONS ET METHODES DE DIAGNOSTIC DE L'ARTHRITE RHUMATOIDE**
[72] DRIJFHOUT, JAN WOUTER, NL
[72] HUIZINGA, TOM, NL
[72] MAHLER, MICHAEL, US
[72] TOES, RENE, NL
[72] TROUW, LEENDERT A., NL
[72] VAN VEELEN, PETER, NL
[71] INOVA DIAGNOSTICS, INC., US
[71] LEIDEN UNIVERSITY MEDICAL CENTER, NL
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[54] **MOLECULAR PROFILING OF TUMORS**
[54]
[72] VON HOFF, DANIEL D., US
[72] LOESCH, DAVID M., US
[72] ALARCON, ARLET, US
[72] PENNY, ROBERT J., US
[72] WRIGHT, ALAN, US
[72] MCGINNIS, MATTHEW J., US
[72] BENDER, RYAN P., US
[72] PAWLOWSKI, TRACI, US
[72] KUSLICH, CHRISTINE, US
[71] CARIS MPI, INC., US
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[71] 9609385 CANADA INC., CA
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[54] **PRODUCTION AMELIOREE DE DERIVES D'ACIDES GRAS**
[72] CLARKE, ELIZABETH J., US
[72] DA COSTA, BERNARDO M., US
[72] GREENFIELD, DEREK L., US
[72] GROBAN, ELI S., US
[72] HELMAN, NOAH, US
[72] HOLDEN, KEVIN, US
[72] HU, ZHIHAO, US
[72] SCHIRMER, ANDREAS W., US
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[72] BROOME, ALLEN, US
[72] GILSON, ROSS, US
[72] HOLDEN, DANIAL, US
[72] MAO, WEIDONG, US
[72] MCMAHON, MICHAEL D., US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
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[54] **SUPPORT DE CARTOUCHE POUR DISTRIBUTEUR DE BOISSONS**
[72] MCHUGH, WILLIAM PHILIP, US
[72] GORDON, JEREMY B., US
[72] GRUBB, SCOTT, GB
[72] MACKEY, STEVEN, US
[72] FEDORKA, THOMAS, US
[72] PETERSON, PETER RAE, US
[72] NOVAK, THOMAS J., US
[72] DUTREMBLE, THOMAS PAUL, US
[72] MASADA, GWYNN, US
[72] RANGE, BRADFORD, US
[72] CAFARO, ENRICO RAFFAELE, US
[72] RAPHAELSON, STEVEN, US
[72] SACK, MICHAEL, US
[72] JOHNSON, BRIAN B., US
[71] BEDFORD SYSTEMS LLC, US
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[72] DIBAS, MOHAMMED, US
[72] GIYANANI, JAYA, US
[72] GORE, ANURADHA, US
[72] LEE, SUNGWOOK, US
[72] LIU, HAIXIA, US
[72] MORGAN, AILEEN, US
[72] ZHOU, JIHAO, US
[71] ALLERGAN, INC., US
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[54] **LATCH ACTIVATION BETWEEN ELEMENTS**
[54] **ACTIVATION DE VERROUILLAGE ENTRE ORGANES**
[72] ALLINGTON, CHRISTOPHER JAMES, NZ
[72] DIEHL, ANDREW KARL, NZ
[72] WRIGHT, KEVIN A., NZ
[72] HILL, WESTON, NZ
[72] WALTERS, DAVE, NZ
[71] EDDY CURRENT LIMITED PARTNERSHIP, NZ
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[72] HARARI, BOAZ, IL
[71] CARDIOVALVE LTD., IL
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[72] SIDDIQI, SUHAIB, US
[72] EJEBE, KENECHI, US
[71] MODERNATX, INC., US
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[54] **DEVICE ABSTRACTION PROXY**
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[72] BEDNARZ, PHILIP, US
[71] ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC., US
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[54]
[72] CROOKS, WILLIAM M., US
[72] ANDERSON, CHARLES B., US
[72] PUSKAR, MICHAEL P., US
[72] OLSZEWSKI, DAVID M., US
[72] QASIMI, JAVVAD, US
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[54] **LATCH ASSEMBLIES AND RAIL ATTACHMENT FOR A PICKUP TRUCK TONNEAU COVER**
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[72] SOSENKO, ERIC, US
[72] ROSSI, STEVEN, CA
[72] LOUDON, JONATHAN, CA
[72] RICHARDSON, JULIAN, CA
[71] WORKSPORT LTD., CA
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[54]
[72] ROSSI, STEVEN, CA
[72] LOUDON, JONATHAN, CA
[72] RICHARDSON, JULIAN, CA
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[54] **ELECTRICALLY CONDUCTIVE MATERIALS**
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[72] KINLEN, PATRICK J., US
[72] CHARLES, DANIEL A., US
[71] THE BOEING COMPANY, US
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[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR THE OPERATION OF ELECTRICALLY MOTORIZED VEHICLES**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS POUR LE FONCTIONNEMENT DE VEHICULES A MOTEUR ELECTRIQUE**
[72] BIDERMAN, ASSAF, US
[72] STEVENS, JON, US
[72] HEINZMANN, JOHN, DAVID, US
[72] SIMARD, JAMES, US
[72] CAGNIE, RUBEN, US
[72] CHAN, TAI, US
[71] SUPERPEDESTRIAN, INC., US
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[54] **PISTES MAGNETIQUES A TENSION AUTOMATIQUE ET ENSEMBLES PISTES**
[72] JAMES, ARTHUR, US
[72] GROSS, JAN, US
[71] DEFENDER SCREENS INTERNATIONAL, LLC, US
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[72] VAN NIEUW AMERONGEN, ARIE, NL
[72] VEERMAN, ENGELMUNDUS CORNELIS IGNATUS, NL
[72] OUDHOFF, MENNO JOHANNES, NL
[72] NAZMI, KAMRAN, NL
[72] VAN DEN KEIJBUS, PETRONELLA ADRIANA MARIA, NL
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[71] RAPID PATHOGEN SCREENING, INC., US
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[54] **DISPOSITIF ET PROCEDE POUR IMAGERIE ET SURVEILLANCE PAR FLUORESCENCE**
[72] DACOSTA, RALPH SEBASTIAN, CA
[72] ZHANG, KAI, CA
[72] WILSON, BRIAN C., CA
[71] UNIVERSITY HEALTH NETWORK, CA
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[72] ZHU, YIFEI, US
[72] LIAO, ZHIMING, US
[72] MURANYI, ANDREA, US
[72] SHANMUGAM, KANDAVEL, US
[72] COUTO, FERNANDO, US
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[54] **SYSTEMS AND METHODS FOR GENERATING A SNAPSHOT VIEW OF NETWORK INFRASTRUCTURE**
[54] **SYSTEMES ET METHODES DE GENERATION D`UNE VUE INSTANTANEE D`UNE INFRASTRUCTURE RESEAU**
[72] RAKHIMOV, RINAT, CA
[71] BANK OF MONTREAL, CA
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[54]
[72] CLYMER, ERICA L., US
[72] JONES, CHRISTOPHER M., US
[72] BARD, BENJAMIN F., US
[72] AGARWAL, RHYTHM, US
[72] TIAN, SHENCHI, US
[72] BARCO, KYLE T., US
[72] OLSON, THOMAS L., US
[72] ORCHOWSKI, NEIL R., US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
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[71] GENTELON, INC., US
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[71] PRIMAL THERAPIES, INC., US
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[72] JASKIEWICZ, TOMASZ, US
[72] KENDALL, ADAM, US
[71] ENDURA PRODUCTS, LLC, US
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[72] CHINEN, TORU, JP
[72] HONMA, HIROYUKI, JP
[72] SHI, RUNYU, JP
[71] SONY CORPORATION, JP
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[71] ION POWER GROUP LLC, US
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[72] ENGLERT, DAVID, US
[72] SMITH, PAUL, CA
[71] ANGLE EUROPE LIMITED, GB
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[54] **ROUE PIVOTANTE AVEC MECANISME A FORCE CONSTANTE**
[72] GONCALVES, FERNANDO D., US
[72] FINNEGAN, PAUL F., US
[72] SIGMAN, GREG, US
[72] BROWN, MICHAEL V., US
[71] THE RAYMOND CORPORATION, US
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[54]
[72] DANDURAND, JULES, CA
[72] COURTEMANCHE, DENIS, CA
[72] DAVIS, JASON, US
[71] CAMSO INC., CA
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[54] **TRANSPOSITION HARMONIQUE AMELIOREE DE PRODUIT D'INTERMODULATION**
[72] VILLEMOES, LARS, SE
[72] HEDELIN, PER, SE
[71] DOLBY INTERNATIONAL AB, NL
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[25] EN
[54] **IMPROVED HARMONIC TRANSPOSITION**
[54] **TRANSPOSITION AMELIOREE D'HARMONIQUE**
[72] EKSTRAND, PER, SE
[72] VILLEMOES, LARS FALCK, SE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2010-03-12
[41] 2010-08-05
[62] 3,107,567
[30] SE (0900087-8) 2009-01-28
[30] US (61/243624) 2009-09-18

[21] **3,162,816**
[13] A1
[25] EN
[54] **MATERIALS AND METHODS FOR PERFORMING HISTOCHEMICAL ASSAYS FOR HUMAN PRO-EPIREGULIN AND AMPHIREGULIN**
[54] **MATERIAUX ET PROCEDES PERMETTANT D'EFFECTUER DES ANALYSES HISTOCHIMIQUES POUR LA PRO-EPIREGULINE HUMAINE ET L'AMPHIREGULINE HUMAINE**
[72] SINGH, SHALINI, US
[72] ZHU, YIFEI, US
[72] LIAO, ZHIMING, US
[72] MURANYI, ANDREA, US
[72] SHANMUGAM, KANDAVEL, US
[72] COUTO, FERNANDO, US
[71] VENTANA MEDICAL SYSTEMS, INC., US
[22] 2016-06-27
[41] 2017-01-05
[62] 2,990,214
[30] US (62/186,251) 2015-06-29

[21] **3,162,818**
[13] A1
[51] **Int.Cl. G06N 10/40 (2022.01)**
[25] EN
[54] **CO-PLANAR WAVEGUIDE FLUX QUBITS**
[54]
[72] CHEN, YU, US
[72] MARTINIS, JOHN, US
[72] SANK, DANIEL THOMAS, US
[72] BARZEGAR, ALIREZA SHABANI, US
[71] GOOGLE LLC, US
[22] 2015-09-30
[41] 2017-04-06
[62] 2,984,487

[21] **3,162,826**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/915 (2013.01)**
[25] EN
[54] **SUPPORT STRUCTURE FOR AN IMPLANTABLE DEVICE WITH ENHANCED COMPRESSIVE STIFFNESS REGION(S)**
[54]
[72] DIENNO, DUSTIN V., US
[71] W. L. GORE & ASSOCIATES, INC., US
[22] 2019-06-19
[41] 2019-12-26
[62] 3,104,475
[30] US (62/687,704) 2018-06-20
[30] US (62/839,164) 2019-04-26

[21] **3,162,841**
[13] A1
[25] EN
[54] **SYNERGISTIC PESTICIDAL COMPOSITIONS AND METHODS FOR DELIVERY OF INSECTICIDAL ACTIVE INGREDIENTS**
[54]
[72] MANHAS, KARAN, CA
[72] ROZEK, ANNETT, CA
[72] VAN FLEET, ERIC, CA
[71] 0903608 B.C. LTD., CA
[22] 2019-09-27
[41] 2020-04-02
[62] 3,114,046
[30] US (62/737,907) 2018-09-27
[30] US (62/737,914) 2018-09-27
[30] US (62/829,010) 2019-04-03
[30] US (62/829,525) 2019-04-04
[30] US (62/829,512) 2019-04-04

[21] **3,162,847**
[13] A1
[25] EN
[54] **SURFACE CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DE SURFACE**
[72] CONRAD, WAYNE ERNEST, CA
[71] OMACHRON INTELLECTUAL PROPERTY INC., CA
[22] 2020-06-10
[41] 2020-12-17
[62] 3,142,540
[30] US (16/440,725) 2019-06-13
[30] US (16/440,701) 2019-06-13
[30] US (16/440,657) 2019-06-13
[30] US (16/440,590) 2019-06-13

[21] **3,162,870**
[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/57 (2020.01) A24F 40/70 (2020.01)**
[25] EN
[54] **HEATING SMOKABLE MATERIAL**
[54] **CHAUFFAGE DE MATERIAU FUMABLE**
[72] EGOYANTS, PETR ALEXANDROVICH, RU
[72] VOLOBUEV, DMITRY MIKHAILOVICH, RU
[72] FIMIN, PAVEL NIKOLAEVICH, RU
[72] ABRAMOV, OLEG JURIEVICH, RU
[71] NICOVENTURES TRADING LIMITED, GB
[22] 2012-08-24
[41] 2013-03-14
[62] 2,845,754
[30] RU (2011136869) 2011-09-06
[30] GB (1207054.6) 2012-04-23
[30] RU (2012124800) 2012-06-15

[21] **3,163,657**
[13] A1
[51] **Int.Cl. G10L 19/02 (2013.01)**
[25] EN
[54] **PROCESSING OF AUDIO SIGNALS DURING HIGH FREQUENCY RECONSTRUCTION**
[54]
[72] KJOERLING, KRISTOFER, SE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2011-07-14
[41] 2012-01-26
[62] 3,146,617
[30] US (61/365518) 2010-07-19
[30] US (61/386725) 2010-09-27

[21] **3,163,664**
[13] A1
[25] EN
[54] **AUDIO ENCODER AND DECODER**
[54]
[72] SAMUELSSON, LEIF JONAS, SE
[72] PURNHAGEN, HEIKO, SE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2014-05-23
[41] 2014-11-27
[62] 3,077,876
[30] US (61/827264) 2013-05-24

[21] **3,163,768**
[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **ENGINEERED CASCADE COMPONENTS AND CASCADE COMPLEXES**
[54] **COMPOSANTS EN CASCADE MODIFIES ET COMPLEXES EN CASCADE**
[72] CAMERON, PETER SEAN, US
[72] GRADIA, SCOTT DAVID, US
[72] KLOMPE, SANNE EVELINE, US
[72] STERNBERG, SAMUEL HENRY, US
[72] THOMPSON, MATTHEW SCOTT, US
[71] CARIBOU BIOSCIENCES, INC., US
[22] 2019-06-12
[41] 2019-12-19
[62] 3,102,148
[30] US (62/684,735) 2018-06-13
[30] US (16/104,875) 2018-08-17
[30] US (16/262,773) 2019-01-30
[30] US (62/807,717) 2019-02-19
[30] US (16/420,061) 2019-05-22

Index of Canadian Patents Issued

July 19, 2022

Index des brevets canadiens délivrés

19 juillet 2022

0903608 B.C. LTD. 3,114,046
10353744 CANADA LTD. 3,058,553
1403871 ALBERTA DBA J4 HEAVY EQUIPMENT REPAIR 3,135,233
2449049 ONTARIO INC. 3,073,765
2449049 ONTARIO INC. 3,085,380
3LMED GMBH 3,070,150
4D PHARMA RESEARCH LIMITED 3,066,561
7RDD LIMITED 2,939,813
9609385 CANADA INC. 2,862,591
AAHLAD, YETURU 2,896,973
AB INITIO TECHNOLOGY LLC 3,070,176
ABB SCHWEIZ AG 2,937,576
ABDELSAMIE, AHMED 3,025,545
ABDOOLALLY EBRAHIM HOUSEWARES LIMITED 2,919,493
ABIONIC SA 2,932,577
ABRAHAM, BIBY ESTHER 3,077,032
ABRAHAM, SUNDAY O. 3,037,922
ABU-JABER, AMIR 3,035,061
AC S.A. 3,068,150
ACHARYA, ARPAN 2,846,171
ACHTNER, GERFRIED R. 3,004,036
ACOSTA-RAMIREZ, HUGO 3,088,468
ACUCORT AB 2,966,714
ADAMS, KEITH 3,062,168
ADI, LIAV MOSHE 2,908,279
ADKINS, MATTHEW 3,051,794
ADVANCED NEW TECHNOLOGIES CO., LTD. 3,038,230
ADVANCED NEW TECHNOLOGIES CO., LTD. 3,041,220
ADVANCED NEW TECHNOLOGIES CO., LTD. 3,061,808
AECC COMMERCIAL AIRCRAFT ENGINE CO., LTD. 3,062,856
AETHLON MEDICAL, INC. 3,061,952
AFSHARI, THOMAS 2,940,679
AFSHARI, THOMAS 2,962,073
AFTAB, DANA T. 2,946,416
AGAGNIER, JAYSON 2,932,712
AGRO INTELLIGENCE APS 2,946,454
AHLF, MARAIKE 2,949,398
AHMED, SUAAD 3,066,561
AHN, SUNGHO 3,079,652
AIR PRODUCTS AND CHEMICALS, INC. 3,080,794
AIRBUS CANADA LIMITED PARTNERSHIP 2,932,712
AIRBUS DEFENCE AND SPACE SAS 3,141,789
AIRBUS DEFENCE AND SPACE SAS 3,154,857
AIRBUS HELICOPTERS 3,074,502
AIRBUS OPERATIONS LTD 3,064,918
AIRBUS OPERATIONS S.A.S. 3,064,918
AIRBUS OPERATIONS, S.L.U. 3,064,918
AKAO, TAKESHI 3,068,705
AKHTAR, NAEEM 2,896,973
AKIBA, HIROKATSU 3,083,249
AKIYA, NAOKO 2,942,512
AKKARAKARAN, SONY 3,022,134
AKZENTA PANEELE + PROFILE GMBH 3,084,654
AKZO NOBEL COATINGS INTERNATIONAL B.V. 2,941,173
ALARIA, ALBERTO 2,991,395
ALBERTA FLUX SOLUTIONS LTD. 2,900,158
ALBERTO FERREIRA NORAS, JORGE 2,922,962
ALBRIGHT, THOMAS D. 2,888,355
ALBUYEH, FARROKH 2,887,172
ALDAY, JENNIFER E. 2,934,903
ALECU, DANIEL 2,861,179
ALESHIRE, JENNIFER LYNN 3,058,199
ALEXANDER, RIKKI PETER 2,932,057
ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH 2,910,982
ALIBHAI, MURTAZA 3,055,144
ALKERMES PHARMA IRELAND LIMITED 3,035,442
ALLAIN, FABRICE 3,077,116
ALLAIRE, FLORENT 2,962,155
ALLEN, DEREK 2,898,703
ALLEN, JOHN 2,947,204
ALLEN, ROBERT GROVER 3,045,685
ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED 2,920,312
ALLOSOURCE 2,899,713
ALMARSSON, ORN 3,035,442
ALTRIA CLIENT SERVICES LLC 2,942,875
AMATUCCI, GLENN 3,002,857
AMERICAN STERILIZER COMPANY 3,011,336
AMERICAN WAVE MACHINES, INC. 3,085,920
AMGEN INC. 2,749,539
AMIN-SANAYEI, RAMIN 2,878,079
AMIR, MUHAMMAD 3,100,616
AMO DEVELOPMENT, LLC. 2,906,328
AMPHENOL CORPORATION 2,902,611
AMRA MEDICAL AB 2,946,330
AMSTED RAIL COMPANY, INC. 3,025,397
ANCUTA, CARMEN 2,928,696
ANDERSON, KENT M. 3,066,527
ANDERSON, MATTHEW P. 2,906,012
ANDERSON, RICHARD N. 2,856,890
ANDO, KEISUKE 3,094,798
ANDO, TAKASHI 2,962,735
ANDRES, WILFRIED 2,943,485
ANDREWS, SARAH L. 2,862,273
ANDRITZ INC. 3,016,919
ANGERMANN, FRANK 3,065,050
AORTIC INNOVATIONS LLC 3,088,874
AP&C ADVANCED POWDERS & COATINGS INC. 3,094,676
APLIX 2,940,805
ARBUTUS BIOPHARMA CORPORATION 2,865,412
ARCAND, MARTIN 2,895,672
ARCELORMITTAL 2,954,144
ARCELORMITTAL 2,956,034
ARCELORMITTAL 2,962,155
ARCELORMITTAL 3,044,772
ARCELORMITTAL 3,085,505
ARCHER DANIELS MIDLAND COMPANY 2,934,255
ARCHER, PASCAL 2,953,429
ARCHIBALD, GEOFFREY DONALD STALKER 3,011,921
ARCYKIEWICZ, ROBERT RAYMOND 2,902,611
ARDH, KAROLINA 2,944,992
ARKEMA INC. 2,878,079
ARKEMA INC. 2,945,996
ARLAZAROV, ARTEM 2,956,034
ARMISTEAD, JUSTIN ROBERT 2,952,261
ARRAY BIOPHARMA INC. 3,079,019
ARRIS ENTERPRISES LLC 3,041,696
ARTHURS, SCOTT 2,952,478
ARUMUGAM, SIVAKUMAR 2,967,952
ARVEDI STEEL ENGINEERING S.P.A. 2,951,607
ARVEDI, GIOVANNI 2,951,607
ARVIDSSON, HANS 3,153,031
ARVIDSSON, TOBIAS 3,153,031
ARVOLA, MAURI 3,079,035
ASAHI INTECC CO., LTD. 3,067,330
ASAKA, SAORI 3,048,386
ASAP BREATHEASSIST PTY LTD 2,952,261
ASHRAFI, KOOROSH 2,922,961
ASSELIN, SYLVIE 3,079,019

Index of Canadian Patents Issued
July 19, 2022

ATAKA, YUJI 2,930,826
ATANASSOV, KALIN MITKOV 2,952,420
ATKINSON, BRENT 2,899,713
AUBERT, ANDREW CLARK BAIRD 3,073,765
AUBERT, ANDREW CLARK BAIRD 3,085,380
AUGER, JEREMY 2,834,097
AUSTRALIS AQUACULTURE, LLC 2,983,300
AUTEN, JOHN FRANKLIN 3,092,665
AVANTIUM KNOWLEDGE CENTRE B.V. 2,950,294
AVENT, INC. 2,947,470
AVILA, LUIS MIGUEL 3,081,968
AVIVID WATER TECHNOLOGY, LLC 2,922,995
AXELSSON, OSKAR 2,943,852
AYERS, ALEXANDRE 2,845,615
BAADER FOOD SYSTEMS DENMARK A/S 2,946,452
BABBITT, GUY ROBERT 2,920,676
BACKFOLK, KAJ 2,941,100
BACKHAUS, ERIK 2,884,736
BACKSTROM, SANIA 2,943,852
BACOS, MARIE-PIERRE 2,931,927
BAIRD, DAVID 3,058,300
BAIRD, DAVID 3,152,227
BAIRD, DAVID 3,152,249
BAJO, ANDREA 3,066,527
BAKER HUGHES HOLDINGS LLC 2,940,215
BAKER HUGHES INCORPORATED 2,952,819
BAKER HUGHES, A GE COMPANY, LLC 3,069,867
BAKER HUGHES, A GE COMPANY, LLC 3,072,885
BAKER HUGHES, A GE COMPANY, LLC 3,078,235
BAKKER, RIENTS 2,939,813
BALDWIN, STEPHEN 3,023,714
BALENT, MARK ANTHONY 3,051,794
BALLANTYNE, TODD A. 2,874,329
BALMAYER, MATTHIEU 3,094,676
BALSAVIAS, PETER 3,045,801
BALTIMORE, AMY MARIE 2,890,606
BANGALORE, SUNDARA RAJU GIRIDHAR 3,097,580
BANGEL, BRYSTON L. 2,898,356
BANKS AND ACQUIRERS INTERNATIONAL HOLDING 2,907,630
BARKER, SIMON WILLIAM 3,068,470
BARNARD, MALCOLM A. 2,951,817
BARNES, KRISTEN ELIZABETH 2,988,003
BARNETT, JONATHAN K. 2,910,663
BARNETT, JONATHAN K. 2,938,756
BARONI, SERGIO 2,923,388
BARRACLOUGH, SCOTT 3,100,616
BARRETT, HAROLD 2,846,171
BARRETT, MICHAEL T. 3,071,842
BARRETT, PHILIP A. 2,903,112
BARTEL, EMILY 3,005,147
BARTEN, DOMINIK 3,011,651
BARTHAKUR, SONALEE 3,067,384
BARTOLOME, WARREN 3,013,346
BARUCH, URI ELIEZER 3,046,804
BASANETS, OLEKSANDR 2,902,690
BASF COATINGS GMBH 2,915,147
BASF COATINGS GMBH 2,949,398
BASSI, FRANCESCO 3,075,169
BASSILY, GEORGES 2,940,932
BASTENHOF, DIRK 2,890,337
BATYCKY, RICHARD P. 2,890,451
BAUER HOCKEY LTD. 3,055,369
BAUGER, OYSTEIN 2,921,895
BAYER AKTIENGESELLSCHAFT 2,934,403
BAYER HEALTHCARE LLC 3,001,288
BAYS, KENNETH 3,053,694
BEAHN, NICOLE M. 3,011,336
BEAR ARCHERY, INC. 2,893,737
BEATO, STEFANIA 2,954,393
BEAUFILS, FLORENT 2,944,697
BEAUVAIS, MARTIN 3,044,772
BECTON, DICKINSON AND COMPANY 2,972,439
BECTON, DICKINSON AND COMPANY 3,061,665
BEDARD, SIMON 3,058,715
BEER, JOSHUA M. 3,089,398
BEHR, WENDY KAY 3,058,199
BEIERSDORF AG 3,023,714
BELCHER, BRIAN C. 2,884,516
BELJAMBE, CEDDRIC 2,934,063
BELL, PETER SIMPSON 2,913,196
BELSHAM, DENISE 3,048,925
BEN HENDA, NOAMEN 3,070,876
BENDORF, SCOTT A. 3,081,852
BENDZINSKI, DUANE E. 3,068,470
BENEDUSI, ANNA 2,923,388
BENITEZ PORRAS, FRANCESC 2,959,954
BENSTEAD, STEPHEN JOHN 2,955,115
BENSTEAD, STEPHEN JOHN 2,955,117
BENWAY, TIFFANIE 3,104,072
BEREZIN, ALAN BRUCE 2,892,058
BERGLUND, THOMAS 2,951,442
BERNIER, MICHEL 2,984,765
BERRY, JOHN C. 3,049,886
BERTOLI BARSOTTI, GIOVANNI 2,950,045
BERTONATI, CLAUDIA 2,913,865
BERTRAND, BLAKE A. 3,002,826
BEWLAY, BERNARD PATRICK 3,062,044
BEY, RUSSELL F. 2,890,466
BHAGAT, SIMRANJEET 3,030,999
BHAMBHANI, AKHILESH 2,927,434
BHANSING, GHANSHIJAM 2,972,711
BHANSING, GHANSHIJAM 2,972,747
BI, YINGZHI 2,941,870
BIALEK, JASON 2,948,145
BIAN, XIAO 3,062,044
BIANCHI, ANDREA TEODORO 2,951,607
BIESAK, JOHN 3,073,064
BILOUSOV, ANATOLIY 2,940,124
BINDER, HERBERT 3,138,620
BIO-RAD EUROPE GMBH 2,945,043
BIOCODEX 2,931,162
BIOCOMPATIBLES UK LTD 2,922,961
BIOCORP PRODUCTION S.A. 2,991,686
BIOIS CO.,LTD 3,029,178
BIOMOLECULAR HOLDINGS LLC 2,879,097
BIONDAN NORTH AMERICA INC. 2,916,591
BIOSENSE WEBSTER (ISRAEL) LTD. 2,908,279
BIOSENSOR, INC. 2,976,363
BIOTRONIK AG 2,884,689
BIRDWELL, DAVID 2,894,931
BIRMINGHAM, JUSTIN REED 2,892,058
BISHELL, JASON 3,135,233
BISHOP, ANDREW G. 3,049,886
BITTNER, CHRISTIAN 3,069,250
BLACK, SHANNON MAXWELL 2,942,875
BLACKBERRY LIMITED 2,856,430
BLACKBERRY LIMITED 2,922,720
BLACKLIDGE EMULSIONS INC. 3,045,685
BLACKLIDGE, ROY BRITTANY 3,045,685
BLAINE, FREDRICK ALLAN 2,967,855
BLEVINS, CHARLES MICHAEL 3,082,355
BLEVINS, CHARLES MICHAEL 3,082,425
BLOCK, DIRK 2,945,680
BLOHM, MATTHIAS 2,915,147
BLOM-SCHIEBER, ADRIANA 3,003,513
BLOODWORKS 2,757,585
BLOUIN, ALAIN 3,063,930
BLUE GIANT EQUIPMENT CORPORATION 2,998,099
BLUMBERG, LAURA COOK 3,035,442
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 2,904,210
BODNAR, RICHARD L. 3,037,922
BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC. 2,890,466
BOEHRINGER INGELHEIM VETMEDICA GMBH 2,912,151
BOHAYCHUK, LARRY J. 2,947,311
BOHN, JANE K. 3,052,848
BOIVIN, MATHIEU 2,940,932
BOLLU, VENKATAIAH 2,895,209
BOMBARDIER RECREATIONAL PRODUCTS INC. 2,984,765
BOMBARDIER RECREATIONAL PRODUCTS INC. 3,096,108
BOONZAIER, JAMES ANGUS 3,046,804
BORDEGNONI, STEFANO 2,976,177
BORGA, MAGNUS 2,946,330
BOSTIK SA 2,891,167
BOSTON SCIENTIFIC LIMITED 3,030,999

BOSU FITNESS, LLC 3,078,459
BOUCHARD, STEEVES 3,062,044
BOUDREAU, RYAN 2,878,401
BOUILLOT, FREDERIQUE 2,958,707
BOUVIER, MICHEL 2,970,012
BOWDEN, MARK N. 3,084,639
BOYLE, BRUCE 2,880,115
BP CORPORATION NORTH AMERICA INC. 2,969,654
BRADLER, KAMIL 3,139,835
BRADLEY, GRAHAM 2,918,199
BRAINLAB ROBOTICS GMBH 2,995,144
BREITENBUCHER, JAMES 2,895,209
BRENDEL, RAYMOND 2,953,730
BRENDERS, ANDREW JAMES 2,969,654
BRIGGS & RILEY TRAVELWARE LLC 2,891,573
BRIGHAM YOUNG UNIVERSITY 2,991,726
BRIMLOW, NICHOLAS JAMES 2,984,355
BRISCO, DAVID PAUL 2,956,239
BRISTOL-MYERS SQUIBB COMPANY 2,877,746
BRISTOW, LORI 2,910,663
BROOKS, PHILLIP 2,946,058
BROUWER, SYBOLT 2,956,874
BROWN, JULIEN ALISTAIR 2,932,057
BRUCE, STEPHEN EDMUND 3,065,472
BRUMFIELD, HARRIS 2,493,950
BRUNCKHORST, CHRISTIAN 2,984,355
BRUNICARDI, FRANCIS C. 3,059,210
BRUNNER, HANSPETER 2,945,680
BRYANT, GRAHAM J. 3,086,197
BUBBLR LIMITED 2,962,520
BUBLEWITZ, ALEXANDER 3,070,150
BUCK, WESLEY 3,017,928
BUDD, DAVID S. 2,856,256
BUENO VAZQUEZ, CARLOS 3,064,918
BUNTIN, G ROBERT L. JR. 3,085,790
BURGER ET CIE 2,943,485
BURGER, DANILO 3,065,050
BURNS, MICHAEL 2,493,950
BUSOLIN, ANDRE 2,953,730
BUYRUK, ALI 2,977,170
BYUN, SANG SOON 3,079,652
CABBACIS LLC 3,107,796
CABOCHE, JOCELYNE 2,945,037
CACI, JOSEPH 2,856,430
CADOGAN, DAVID PHILLIP 2,927,208
CADY, DANEEN ELAINE 3,010,055
CAEL, PHILIPPE 3,141,789
CAI, YU 2,943,155
CALHOUN, ALLISON ANNE 3,082,355
CALHOUN, ALLISON ANNE 3,082,425
CALIFORNIA MANUFACTURING & ENGINEERING COMPANY, LLC 3,021,952
CAMERON TECHNOLOGIES LIMITED 2,948,325
CAMPBELL, IAN DWAYNE 3,071,842
CAMPBELL, TODD A. 2,947,142
CAMPOS, MICHAEL A. 2,906,328
CANAVERA, ANGELO 2,991,395
CANNON, JOHN 2,943,500
CANTILLON, DANIEL J. 3,014,761
CAPLAN, JAY 2,824,939
CAPON, DANIEL J. 2,879,097
CAPUS, CHRIS 2,935,783
CARCERONI, RODRIGO 2,992,600
CAREFUSION 303, INC. 3,110,536
CARLSON, DAVID G. 3,042,412
CARNIAUX, JEAN-FRANCOIS 2,904,374
CAROFF, EVA 2,939,893
CARPENTER, CHRISTOPHER M. 2,930,699
CARPENTER, SCOTT 3,023,714
CARPENTIER, MATHIEU 3,077,116
CARRE, FLORIAN 3,082,431
CARROLL, ANDREW NATHAN 2,942,875
CARTER, MARK C. 2,991,930
CARTER, RICHARD DOUGLAS 2,953,822
CASALE SA 2,977,239
CASAREZ, CHRISTOPHER R. 2,906,698
CASTELLANOS ZAMORA, DAVID 3,070,876
CASTLEMAN, LARRY J. 2,934,903
CASTONGUAY, BERTIN 2,954,442
CASTRO PELAYO, XORGE 3,046,804
CASTRO, REMY 2,939,893
CATALOGNA, ERIC 3,085,505
CATALYST LIFESTYLE LIMITED 2,945,471
CATTRON NORTH AMERICA, INC. 3,051,794
CEFLA SOCIETA' COOPERATIVA 3,004,860
CELIK, HAYDAR 2,899,522
CELLECTIS 2,913,865
CELLIX BIO PRIVATE LIMITED 3,048,485
CEN, SHAN 3,083,540
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.) 2,945,037
CESSNA, JOSEPH B. 3,068,333
CEULEMANS, RAPHAEL ANGELINE ALFONS 3,071,536
CFS CONCRETE FORMING SYSTEMS INC. 2,943,642
CHALIFOUX, GERALD 2,890,974
CHALMERS, JENNIFER 3,048,925
CHAN, CESAR 2,925,619
CHAN, PAUL MON-WAH 2,910,663
CHAN, PAUL MON-WAH 2,938,756
CHANDAR, PREM 2,908,914
CHANDO, KATELYN 3,079,019
CHANG, WEI-WEI 2,956,919
CHAPMAN, JOSH 3,143,249
CHARBONNEAU, ANNE N. 2,959,244
CHARTON, SEBASTIEN 3,085,505
CHATTERJEE, UMA 2,919,820
CHAUDHURI, SUMMIT 2,862,273
CHAUDHURY, NILAMADHAVA 3,145,192
CHAVANA, ERNEST MATTHEW, JR. 2,940,518
CHEATHAM, LLOYD 3,062,168
CHEICH, ROBERT C. 3,073,591
CHEN, JIANLE 2,933,206
CHEN, JIANLE 3,035,587
CHEN, JUNMEI 2,757,585
CHEN, TONG-FU 3,092,700
CHEN, WENHONG 3,078,643
CHEN, WU 2,942,512
CHEN, YI-WEN 3,035,587
CHEN, YING 3,006,093
CHEN, YU-PEI 3,013,602
CHEN, ZHENGXIN 2,956,287
CHENEVERT, FRANCOIS 3,096,108
CHENG, CHI-HAN 3,081,021
CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD. 3,013,518
CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD. 3,013,520
CHIDA, TAKASHI 2,962,735
CHIDDICK, KELVIN 2,894,931
CHIEN, WEI-JUNG 3,035,587
CHITRE, SAURABH SHASHIKANT 2,991,726
CHOI, GILWOO 2,933,879
CHOINIERE, JEAN-PHILIPPE 3,062,044
CHOJECKI, ADAM 2,949,157
CHOKSHI, RAKESH P. 2,887,199
CHOONG, XIANKENG 2,877,470
CHOPRA, NAVEEN 2,952,048
CHOPRA, NAVEEN 3,077,032
CHOW, KAY 3,045,358
CHRISTENSEN, TOR 2,942,710
CHUJOH, TAKESHI 3,048,386
CHUN, PETER 2,973,243
CHUNG, DOMINIC W. 2,757,585
CHUNG, KARL R. 3,030,781
CHUTE, JERRED A. 2,931,692
CIAVARELLA, NICK E. 3,110,182
CIDRA CORPORATE SERVICES LLC 3,073,064
CINIELLO, FRANCESCO 2,976,177
CIPULLO, ALESSIO 3,064,918
CITRIX SYSTEMS, INC. 3,086,212
CITRIX SYSTEMS, INC. 3,125,534
CITRIX SYSTEMS, INC. 3,145,192
CIVITAS THERAPEUTICS, INC. 2,890,451
CLARIDGE, ROBERT 3,077,032
CLARK, DAVID J. 2,951,197
CLARKE, KIERAN 2,919,778
CLEEK, ROBERT L. 2,940,457
CLEMENTE, MATTHEW JAMES 3,046,804
CLEMENTS, JEREMY 3,046,804
CLICK THERAPEUTICS, INC. 3,117,604
CLIMATE LLC 2,992,251
CLIMEWORKS AG 2,933,422
CMECH (GUANGZHOU) LTD. 3,063,378
CNH INDUSTRIAL CANADA, LTD. 3,064,399
COBIANU, CORNEL 2,943,083

Index of Canadian Patents Issued
July 19, 2022

COELINGH BENNINK, HERMAN JAN TIJMEN 2,932,855
COGAN, BENJAMIN H. 2,964,599
COGEN, JEFFREY M. 2,943,155
COGHILL, PETER JOHN 2,995,594
COGHILL, STEVE 2,964,599
COGNETIVITY LTD. 2,966,956
COHEN, DAVID 3,016,919
COLE, JOHN W. 2,885,980
COLE, WILLIAM A. 2,885,980
COLEMAN, TODD PRENTICE 2,888,355
COLLIN, JEAN E. 2,906,698
COLLINS, CHRISTOPHER 3,002,168
COMAU S.P.A. 2,976,177
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION 2,995,594
COMPLETE GENOMICS, INC. 2,832,643
CONNOLLY, PATRICIA 2,767,292
CONRAD, JUERGEN D. 2,974,116
CONWAY, SCOTT M. 3,137,625
COOK, ADAM 3,079,019
COOK, DONALD A. 3,085,134
COOK, STEPHEN D. 2,879,210
COOPER, LAURENCE J. N. 2,904,210
CORN, JOEL 2,822,104
CORTEVA AGRISCIENCE LLC 2,898,356
CORTHESY, BLAISE 2,866,634
CORTICAL.IO AG 2,950,676
COSTA, RAMON ROMANKEVICIUS 3,100,772
COSTELLA, STEPHEN 3,005,796
COTE, CAMERON 2,944,795
COTE, JEAN-RICHARD 2,932,712
COTE, KRISTY 2,944,795
COTNOIR-WHITE, DAVID 2,970,012
COULTER, CAL 3,088,468
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH 2,919,820
COX, PETER 2,919,778
COX-MURANAMI, WESLEY 3,067,426
CR MINERALS COMPANY, LLC 2,953,822
CRAIG, TYLER 2,890,606
CRANE, ZACK 3,079,019
CREGGER, TRICIA 3,011,336
CRITICAL TATTOO SUPPLY, LLC 3,073,407
CRIVELLI, PAUL 3,067,426
CROOK, GARY 3,021,952
CRUZ, PAULO JORGE DA SILVA 2,998,099
CSATARI, LASZLO 2,949,927
CSL BEHRING AG 2,866,634
CSL LIMITED 2,889,785
CUBICPV, INC. 2,931,692
CUCHEN CO., LTD. 3,037,618
CUEVAS, HENRY 3,045,685
CUI, JINGRONG JEAN 2,936,079
CUMMINS, JONATHAN 2,904,374
CUNNINGHAM, MARK HUZZARD 2,860,326
CUROME BIOSCIENCES CO., LTD. 2,935,319
CURTIS, JOHNNY 2,983,294
CUTRARA, SAM 2,861,179
CYBULKO, TOMASZ 3,068,150
D'ADDIO, ELIZABETH M. 3,080,794
D'AGOSTINO, DINO PAUL 2,981,261
D2L CORPORATION 2,834,097
DA CRUZ, J. MARCIO 3,034,570
DA FONSECA, FELIPE RIBEIRO 3,100,772
DAHLQVIST LEINHARD, OLOF 2,946,330
DAIGLE, RICHARD 2,890,582
DALTON, JOHN MATTHEW 2,920,676
DAM, PEENAKI 2,862,273
DAMPFHOFER, STEFAN 2,971,627
DANAI, BEHNAM 2,887,172
DANDAPURE, YOGENDRA V. 2,988,003
DANIELS MANUFACTURING CORPORATION 2,942,362
DANN, BRIAN 3,023,714
DANN, ERIC 3,023,714
DANN, THOMAS 3,023,714
DAOUST, SYLVAIN 2,940,932
DARR, MATTHEW RAIN 2,969,696
DART NEUROSCIENCE (CAYMAN) LTD. 2,895,209
DARTEIL, RAPHAEL 3,140,325
DAS, SAZOL KUMAR 3,068,470
DAS, SHATADRU 2,887,428
DAVIDIAN, THOMAS 2,949,157
DAVIDSON, BEVERLY L. 2,878,401
DAVIDSON, JAMES 2,942,362
DAVIES, EVAN LLOYD 3,081,968
DAVIES, JAMES ALEXANDER 3,046,804
DAVIS, MICHAEL A. 3,073,064
DAVIS, NEIL ROLAND 3,092,665
DCNS 2,953,429
DE HULLU, MATTHEUS JACOB 2,944,843
DE ROO, PETER ROBERT 2,959,195
DE SOUSA WEBBER, FRANCISCO 2,950,676
DE VOS, CORNELIS HENDRICUS 2,972,711
DE VOS, CORNELIS HENDRICUS 2,972,747
DECKER, GEORGE R. 3,042,412
DECLOS, ROBERT 2,954,442
DECLUE, MICHAEL S. 2,919,828
DECORTE, BART LIEVEN DANIEL 2,997,543
DECORTE, DON 2,846,171
DEERE & COMPANY 2,831,041
DEGEN MEDICAL, INC. 2,887,199
DEGUDENT GMBH 2,985,293
DEHEZ, BRUNO 2,999,413
DEIR, WALID 2,940,932
DEKA PRODUCTS LIMITED PARTNERSHIP 2,874,329
DEL VECCHIO, ORIN 2,910,663
DELATTRE, CYRIL 3,067,426
DELIGNY, MICHAEL 2,932,057
DELLER, ROLF 3,040,555
DELLINGER, JOSEPH ANTHONY 2,969,654
DELPLANCKE, PATRICK FIRMIN AUGUST 3,071,536
DELTAK MANUFACTURING, INC. 2,983,294
DEMATIC CORP. 2,958,083
DENG, GUIJUN 3,069,867
DENNISON, ANTHONY 2,906,328
DENTSPLY SIRONA INC. 2,985,293
DENYS, AGNES 3,077,116
DESFOUGERES, THOMAS 2,938,962
DETHIER, VINCENT 2,905,338
DETTORI, DANIELE 2,950,045
DEUTSCHE TELEKOM AG 3,065,050
DEWITT, ROBERT 2,947,204
DIAB, CHARBEL 2,919,828
DICKIE, PAIGE ELYSE 2,981,261
DIEDRICHS, VOLKER 2,878,993
DIERKES, MATTHEW 2,891,573
DIETERICH, PETRA 2,904,374
DIETERLE, THOMAS 2,945,680
DIJKSHOORN, DIRK 2,944,843
DING, ZHAOZHONG 3,013,518
DING, ZHAOZHONG 3,013,520
DIOGO, SYLVAIN 2,991,686
DISH TECHNOLOGIES L.L.C. 2,876,479
DITNER, SYLVIE 2,962,155
DITTMAN, BRIAN 2,899,713
DIWINSKY, DAVID SCOTT 3,062,044
DIXON, LAURA RENEE 2,988,003
DLVR, INC. 2,964,956
DOANE, JAMES 3,078,235
DOBROGOWSKI, PIOTR 3,068,150
DOLADO, IGNACIO 2,892,747
DOLAN, PAUL 3,073,064
DOLBY INTERNATIONAL AB 3,074,098
DOMINION ENGINEERING, INC. 2,906,698
DONKIN, MICHAEL DAVID 2,941,173
DOOLEY, KEVIN ALLAN 2,843,288
DORIER, JEAN-LUC 2,934,418
DOTZAUER, DAVID 2,991,141
DOVADOLA, MASSIMO 3,004,860
DOW GLOBAL TECHNOLOGIES LLC 2,942,512
DOW GLOBAL TECHNOLOGIES LLC 2,943,155
DOW GLOBAL TECHNOLOGIES LLC 2,949,157
DOW GLOBAL TECHNOLOGIES LLC 2,984,328
DOWCO, INC. 3,058,300
DOWCO, INC. 3,147,991
DOWCO, INC. 3,152,227
DOWCO, INC. 3,152,249
DOYLE, CRISPIN 3,050,237
DREHER, MATTHEW R. 2,922,961
DRESSMAN, MARLENE MICHELLE 2,893,542
DRESSMAN, MARLENE MICHELLE 3,085,116
DREWS, EDWIN RAY 2,879,722

Index des brevets canadiens délivrés
19 juillet 2022

DRMANAC, RADOJE 2,832,643
DROGE, PETER 3,033,692
DRUMHELLER, PAUL D. 2,940,457
DU, HUABING 3,061,808
DUCHATEAU, PHILIPPE 2,913,865
DUDZIK, HORST 2,911,823
DUGGER, ROBERT WAYNE 2,929,283
DUJOL, CHARLOTTE MARIE 2,949,920
DUNJIC, MILOS 2,981,261
DUNKER, JESSICA ANN 2,969,696
DUNLAP, JUSTIN P. 3,109,628
DUNLEAVY, PATRICK 2,941,342
DUPUIS, REUBEN 2,875,159
DURAND, NICOLAS 2,932,577
DURZYNSKI, SEBASTIAN 3,085,380
DYSARSZ, HANS 3,000,861
E-CIRCUIT MOTORS, INC. 3,000,002
EAGLE US 2 LLC 2,953,181
EARNSHAW, ANDREW MARK 2,922,720
EARY, CHARLES TODD 3,079,019
EASY OCEAN TECHNOLOGY LTD 3,075,113
EATON INTELLIGENT POWER LIMITED 2,903,928
EATON INTELLIGENT POWER LIMITED 2,911,301
EATON INTELLIGENT POWER LIMITED 2,911,373
EATON INTELLIGENT POWER LIMITED 2,937,247
EATON INTELLIGENT POWER LIMITED 2,964,923
EATON INTELLIGENT POWER LIMITED 2,969,696
EBERT, SOPHIA ROSA 3,069,250
ECKBO, PAL LEO 2,942,710
ECKER, HELMUT 3,138,620
ECOLAB USA INC. 2,991,141
EDWARDS, ERIC SHAWN 3,033,299
EDWARDS, EVAN THOMAS 3,033,299
EGUCHI, TAKANORI 2,982,088
EICKEMEYER, FELIX 2,949,398
EITAN, ALECSANDER PETRU 3,048,914
EKSTRAND, PER 3,074,098
ELDEC AEROSPACE CORP. 2,943,345
ELECTRONICS FOR IMAGING, INC. 3,045,479
ELEFTHERIOU, ANDREAS 2,826,691
ELEMENTAL LED, INC. 3,017,928
ELGESEM, RALPH OLAV 2,927,208
ELI LILLY AND COMPANY 3,046,804
ELLISON, MATTHEW BLAKE 2,894,723
EMADI, ALI 2,911,984
EMERGING COMPOUNDS TREATMENT TECHNOLOGIES, INC. 3,020,691
EMERGING COMPOUNDS TREATMENT TECHNOLOGIES, INC. 3,049,886
EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC. 2,945,041
EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC. 3,150,392
EMERSON, TOD D. 2,952,317
EMM HOLDING BV 2,959,195
EMULATE, INC. 3,067,384
ENDOTRONIX, INC. 2,997,007
ENEAU, PATRICE 2,949,920
ENEDYM INC. 2,911,984
ENGE, TREVOR 2,893,244
ENGELMAN, RUSS 3,088,468
ENGLAR, JAMES 3,067,618
ENOMOTO, NORIHIDE 3,061,384
ENRICHMENT TECHNOLOGY COMPANY LTD. 2,886,096
ENVERUS, INC. 2,892,058
ENYO PHARMA 3,140,325
EPIROC ROCK DRILLS AKTIEBOLAG 2,944,992
EQUIMADE AB 2,938,706
ERDA MASTER IPCO LIMITED 2,933,603
ERDBRUEGGER, WILHELM 2,884,689
ESCHE, ROBERT 2,947,204
ESCO GROUP LLC 2,930,699
ESSEGHIR, MOHAMED 2,984,328
ESTETRA SRL 2,932,855
ESTETRA SRL 2,988,362
ETALIM INC. 3,011,921
ETGEN, JOHN THEODORE 2,969,654
ETTORRE, ANNA 3,066,561
EVANS, JAMES DAVID 2,942,875
EVANS, RICHARD ALLEN 3,051,794
EVANS, ROBERT K. 2,927,434
EVANS, TAMARA 2,954,442
EVATT, SHARLA 2,973,243
EVISIVE, INC. 2,962,411
EVOGENE LTD. 2,809,384
EVONIK OPERATIONS GMBH 2,911,823
EWING, RICHARD F. 3,010,856
EXELIXIS, INC. 2,946,416
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 2,930,442
EZRA, KYLE ALLEN 2,879,722
F. HOFFMANN-LA ROCHE AG 2,945,680
F. HOFFMANN-LA ROCHE AG 3,025,585
FACET TECHNOLOGIES, LLC 2,917,866
FAHNESTOCK, JUSTIN 3,100,616
FAIRWEATHER, NEIL THOMAS 3,071,536
FALB, ELIEZER 2,904,374
FAN, GUOLEI 3,150,392
FARIAS, PAVEL 2,965,152
FARMER, JACK 3,078,235
FATTAL, DAVID A. 3,035,799
FATTAL, DAVID A. 3,075,296
FECHER, STEFAN 2,985,293
FEDERAL EXPRESS CORPORATION 2,950,590
FEENEY, JOHN JOSEPH 3,085,116
FEFER, MICHAEL 3,073,102
FEI, RONG 3,065,617
FELBERBAUM, MILAN 3,068,470
FENG, JING 2,956,287
FENNEY, JOHN JOSEPH 2,893,542
FERGUSON, RICHARD H. 2,953,181
FERNANDEZ-PRIETO, SUSANA 3,044,289
FERRER, ANTHONY 3,002,857
FERT, JEREMY EDMOND 2,875,044
FERT, JEREMY EDMOND 2,928,696
FERTILITY LAB SCIENCES, LLC 3,011,100
FIEDLER, ULRIKE 2,892,747
FILIPPI, ERMANNO 2,977,239
FINANCIAL & RISK ORGANISATION LIMITED 2,862,273
FINEFROCK, MARK 2,943,345
FINIGAN, JENNIFER R. 2,901,132
FINKIELSZTEIN, SERGIO 2,796,068
FINN, LARRY W. 3,071,842
FISERV, INC. 3,010,055
FISHER CONTROLS INTERNATIONAL LLC 2,947,288
FISHER, ROBERT E., II 2,856,890
FITZBIONICS LIMITED 2,939,661
FITZPATRICK, NOEL 2,939,661
FLAHERTY, J. CHRISTOPHER 2,824,939
FLENDER GMBH 3,138,620
FLEXIBLE STEEL LACING COMPANY 3,006,298
FLORES, JUAN CARLOS 2,952,819
FLUID ENERGY GROUP LTD. 3,065,043
FLYNN, JOHN A. 2,918,281
FOJER, GUNHILD CECILIA 2,954,144
FOLEY, JENNIFER 3,067,426
FOLTIS, LINDA C. 3,017,613
FONSECA, ITALO 2,887,210
FORD, PAUL 2,983,198
FORD, TIMOTHY D.F. 2,862,591
FORMULATED SOLUTIONS, LLC 3,023,714
FORSBERG, MARTIN 2,944,992
FORT HILLS ENERGY L.P. 3,045,358
FORTE, PAOLO 2,872,551
FORUM US, INC. 3,081,973
FOSTER, TOBIAS NEIL 2,991,141
FOTIADOU, PARTHENA 3,066,561
FOURNIER, BRIAN 2,965,152
FOURNIER, IAN RICHARD 2,956,165
FRACTYL HEALTH, INC. 2,824,939
FRADETTE, SYLVIE 2,890,582
FRANCA, ANDRE STANZANI 3,100,772
FRANCISKOVICH, PHILLIP P. 3,011,336
FRANKLIN FUELING SYSTEMS, INC. 2,884,736
FRANSHAM, KYLE 2,923,068
FRANZKE, MICHAEL 3,017,613
FRANZONI, LUIGI 3,004,860
FRASER, RORY 3,034,168
FREDHEIM, ARNE OLAV 2,987,988
FREITAS, GUSTAVO MEDEIROS 3,100,772
FRENKEL, ALEXANDER MICHAEL 2,964,923
FRENNET, DAMIEN 2,862,273

Index of Canadian Patents Issued
July 19, 2022

FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH 2,957,819
FRESENIUS MEDICAL CARE HOLDINGS, INC. 2,949,692
FRICKMANN, JESPER 2,898,228
FRIESTAD, MICHAEL E. 2,831,041
FRIGON, ALEXANDRE 3,058,715
FRITZ, HELMUT 2,877,163
FRITZ, HELMUT 2,933,011
FROJDHOLM, HAMPUS 2,998,574
FROST, SIMON 3,086,212
FRYDENDALL, ERIC MARTIN 3,075,108
FU, HONG 2,906,328
FULLER, TIMOTHY 3,062,168
FUNG, LARRY SIU-KUEN 3,068,260
FUNG, RAYNARD 2,888,355
FUNK, TED L. 3,028,077
FUSCO, CONO 3,126,288
GAGNE, FRANCIS 3,058,715
GAGNON, ETIENNE 2,970,012
GAGNON, MARC 2,904,544
GAGNON, MICHEL 2,994,869
GALECTO BIOTECH AB 2,983,198
GALLARDO, XAVIER 3,086,212
GALPERIN, ANNA 2,919,828
GANAPAM, ASHOK 2,862,273
GANYMED PHARMACEUTICALS AG 2,750,985
GAO, XINHAO HOWARD 2,949,852
GARCIA REIZABAL, RUBEN 3,109,877
GARCIA, GABRIEL CARVALHO 3,100,772
GARFIELD, ALEXANDER NATHAN 3,075,108
GARIPALLY, SWETHA 3,145,192
GARNER, ELIJAH 2,831,041
GARNETT, CAROLYN 3,034,168
GARNIMAN S.A. 2,940,124
GAROURY, SCOTT 2,878,079
GARRISH, ROBERT 2,953,010
GARVER, MICHAEL 2,975,626
GASCON, JORGE 2,949,157
GASPAR, ARMINDO RIBIERO 2,898,228
GATES CORPORATION 3,075,169
GAUDRY, FLORIAN 2,934,063
GAUGHAN, EDWARD W. 3,015,655
GAUNTT, GEORGE 2,856,256
GAVIN, MARC A. 2,749,539
GDF SUEZ 2,944,692
GEBR. KEMPER GMBH + CO. KG METALLWERKE 3,074,085
GEISSBUHLER, MATTHIAS 2,932,577
GENECTIVE 2,991,364
GENERAL ELECTRIC COMPANY 3,062,044
GENEVANT SCIENCES GMBH 2,919,828
GENOMATICA, INC. 3,055,144
GENZYME CORPORATION 2,884,762
GEOQORE, LLC 2,862,577
GEORGESCU, ION 2,943,083
GERUN, TONY 2,982,188
GERVAIS, JOEL 3,064,399
GHALY, NABIL N. 3,051,161
GHOLMIEH, RALPH AKRAM 2,986,597
GIBSON, CHRISTOPHER C. 2,949,545
GIBSON, DONALD L., JR. 2,856,256
GIBSON, JEFFREY SCOTT 2,911,301
GIERLACH, DOMINIKUS 2,995,144
GIFFIN, INC. 3,085,134
GIFFORD, WILLIAM JOSEPH 2,902,611
GIL DA COSTA, RICARDO 2,888,355
GILBERT, KEVIN 3,010,055
GILLET, KEVIN 2,991,686
GILLIAUX, MAXIME 2,999,413
GILLIS, PAUL A. 2,942,512
GIOMETTI, GIANLUCA 3,013,543
GIOVANNINI, CRISTIAN 3,004,860
GIRARD, NICOLAS 3,058,715
GIRGIS, SAMI 2,860,326
GIULIANI S.P.A. 2,923,388
GIULIANI, GIAMMARIA 2,923,388
GLIA, LLC 2,956,919
GLOBAL LNG SERVICES AS 2,942,710
GLUECK, MICHAEL JOHANNES 3,073,102
GLYTECH, INC. 2,908,211
GOB, BIANCA 2,915,147
GOBLIRSCH, CHRISTOPHER 2,861,217
GOJO INDUSTRIES, INC. 3,110,182
GOLDMAN, JOSHUA N. 2,983,300
GOMBOC, LLC 2,879,210
GOOGLE LLC 2,889,933
GOOGLE LLC 2,992,600
GOOGLE LLC 3,001,730
GORDON, MICHAEL 2,964,956
GOREN, AHMET CEYLAN 2,977,170
GOTO, SEIGO 3,108,758
GOTTFRIED, KRISTJAN 3,011,921
GOTTLIEB, REBECCA K. 3,055,783
GOULD, JOEL 3,070,176
GOURBET, PATRICE 2,991,686
GOWDA, RAJ KRISH 2,906,924
GRADY, LEO 2,933,879
GRAF, DAVID M. 2,930,699
GRAHAM, HEIDI 3,023,714
GRANDY, KRIS 2,962,760
GRANT, DAVID 3,065,472
GRATA, JEREMY A. 2,971,613
GRAY, JONATHAN 3,058,199
GREEN OX PALLET TECHNOLOGY, LLC 3,020,466
GREEN, JEFF 2,943,345
GREEN, OLE 2,946,454
GREGORY, PHILIP D. 2,854,819
GREGORY, PHILIP D. 2,904,210
GREIM, OLIVIER 3,046,426
GRIESEL, CHARLES 3,049,746
GRIFFIN, STEVEN 3,016,324
GRILL, WARREN M. 3,014,965
GROENHAGEN, JANNES 3,033,320
GROSS, DAVID J. 2,906,698
GROSS, PETER L. 2,947,142
GRUBER, ROBERT 3,138,620
GSR SPANNRING GMBH 3,072,965
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,055,628
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,065,625
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,066,679
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,075,196
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,078,643
GUANGZHOU LEADER EQUIPMENT LTD 3,082,920
GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD 3,047,179
GUARDIAN ANALYTICS, INC. 2,905,996
GUERANGER, QUENTIN 2,951,683
GUERRERO, ADRIANA 3,088,468
GULBRANDSEN, PEDER J. 2,955,226
GUNTURU, SASHI B. 2,882,634
GUO, MINGHAO 3,065,027
GURGLEPOT, INC. 2,894,723
H2FUEL-SYSTEMS B.V. 3,004,393
HA, JUNG MIN 3,079,652
HAAVIND, ERIK 2,965,750
HABIBI, SINA 2,966,956
HACINE-GHERBI, HELA 3,077,116
HADA, TOMOKO 3,099,467
HAGGE, HARLAN 2,885,112
HAGHIGHI, KHASHAYAR 2,887,172
HALL, BENJAMIN 3,077,869
HALL, CURTIS L., JR. 2,976,994
HALL, TANIA D. 2,976,994
HALLIBURTON ENERGY SERVICES, INC. 3,050,237
HALLIBURTON ENERGY SERVICES, INC. 3,054,920
HALLIBURTON ENERGY SERVICES, INC. 3,057,064
HALLIBURTON MANUFACTURING AND SERVICES LIMITED 3,065,472
HAMPSON, IAN 2,928,166
HAMPSON, LYNNE 2,928,166
HANKE, CHRISTIAN 3,061,665
HANNA, JAN 2,944,992
HANNIG, HANS-JURGEN 3,084,654
HANNUKSELA, MISKA 3,006,093
HANSEL, JAN-GERD 2,898,028
HANSEN, MORTEN 2,910,982
HANSEN, STEVEN S. 3,037,922
HANSLI, WILLI 3,040,555
HANSSON, HANS-ARNE 2,894,948
HAO, MIN CHUN 3,075,169
HARAN, FRANK MARTIN 2,943,083
HAREL, STEPHANE 3,062,044
HARMS, STEPHAN 3,033,320
HARRIGAN, JEANINE ANN 2,951,683
HARRIS, JODY 3,025,585
HARTLEY, TOBY JAMES 2,952,261
HARTMAN, CODY L. 3,052,848

HARTMETALL-WERKZEUGFABRIK PAUL HORN GMBH 3,076,030
HARVIE, PIERROT 2,919,828
HASHEMI, HAMID R. 2,959,244
HASKOLI ISLANDS 2,951,377
HASSAN, ABU MOKHTARUL 2,942,512
HAUCK, BERND 2,827,375
HAUG, WALTER 2,940,518
HAYASHI, KENICHI 3,091,030
HAYASHI, TAKEHIKO 3,003,856
HAYMAN, YATES WESTLEY 2,983,294
HAYWARD, CHRISTOPHER SIMON 2,950,310
HE, SANYUAN 3,038,230
HE, WENSHENG 2,878,079
HEARTFLOW, INC. 2,933,879
HEARTWARE, INC. 2,950,310
HEATH, STUART JAMES 2,943,083
HEBEISEN, PAUL 2,944,697
HEDMANN, FRANK 2,957,819
HEER, JAG PAUL 2,932,057
HEFFERNAN, RONAN 3,100,616
HEIM, DAVID 2,887,172
HEINDL, ANDREAS 3,102,174
HEINZE, ROSEMARY 2,878,079
HEIRENDT, LAURENT 3,007,190
HELFTENBEIN, GERD 2,750,985
HELMLINGER, DAVID 2,947,204
HELT, LUKAS 3,139,835
HEMINGWAY, JOEL REESE 3,099,317
HENDRICKX, PETER 2,905,338
HENLEX INC. 2,994,869
HENRION, THOMAS 3,044,772
HEPTRON POWER TRANSMISSION LIMITED 2,971,524
HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES 3,111,164
HERBECK, JOSHUA DANIEL 3,020,466
HERMEY, ANDREAS 3,011,651
HERNANDO SAIZ, ANDRES FELIPE 3,109,877
HERRMANN-BUERK, DIRK MICHAEL 3,054,038
HESSELINK, SEBASTIAAN J.A. 2,941,173
HEULENS, JEROEN 2,956,874
HEYES, JAMES 2,865,412
HEYMANN, MARTIN 3,072,965
HIENTGEN, RENE 2,948,223
HIGH, KATHERINE A. 2,827,375
HILEY, ALEX PAUL 2,873,525
HILL, JASON EDWARD 2,940,518
HINDY, ABDELRAZAK 2,950,590
HINE, ROGER G. 3,077,995
HINKLE, JONATHAN MICHAEL 2,927,208
HINOJOSA, CHRISTOPHER DAVID 3,067,384
HINRICHS, LARS 2,956,165
HINZ, JOHN A. 2,919,298
HINZ, JOHN A. 2,919,299
HIPERBARIC, S.A. 3,109,877
HIRAYAMA, YUICHI 2,909,305
HIRAYAMA, YUICHI 2,987,907
HITACHI ENERGY SWITZERLAND AG 2,963,943
HITCHCOCK, THOMAS 2,943,500
HJELLE, VIDAR 2,975,081
HO, CASEY KWOK CHING 3,001,730
HOCHLAND SE 3,054,038
HOCHREIN, TORSTEN 2,957,819
HODEL, JEREMY 3,095,400
HODGDON, TRAVIS KYLE 3,044,289
HOEFTE, PAULUS ANTONIUS AUGUSTINUS 3,082,069
HOERNER, HELMUT 3,061,665
HOFFMAN, STEVEN 2,927,980
HOFFMANN, ALEXANDER 3,033,320
HOGAN, DONALD 2,891,573
HOHN, STEPHANE 2,922,961
HOKSTAD, KETIL 2,910,179
HOLLAND, THERESA A. 2,940,457
HOM, LOUIS 3,055,144
HOMUTOV, VICTOR PAVLOVICH 2,928,449
HONDA MOTOR CO., LTD. 3,083,249
HONEYWELL INTERNATIONAL INC. 2,888,573
HONEYWELL INTERNATIONAL INC. 2,943,083
HONG, WEI 2,992,600
HONKURA, SHINPEI 3,067,330
HONKURA, YOSHINOBU 3,067,330
HONOR DEVICE CO., LTD. 2,982,196
HOP, JORUND 2,975,081
HORI, MASAHIRO 3,091,030
HORTON, JOHN 2,949,852
HORTON, JOHN 3,109,628
HORWELL, MARK GRAHAM 2,959,322
HOSSEL, HENDRIK 3,074,085
HOU, LIANHUA 3,035,510
HOU, RUOYU 2,911,984
HOUGH, JUSTIN B. 3,147,991
HOUSTON, MICHAEL E., JR. 2,919,828
HOY, MICHAEL 3,011,921
HSIUNG, ROBERT 2,974,116
HU, SHUZHEN 3,062,856
HU, YINGHU 3,013,518
HU, YINGHU 3,013,520
HUANG, DANIEL 2,898,700
HUAWEI TECHNOLOGIES CO., LTD. 2,982,393
HUBBELL INCORPORATED 2,938,963
HUERLIMANN RAILTEC AG 3,021,427
HUERLIMANN, ADRIAN 3,021,427
HUFFA, BRUCE 2,988,003
HUGHES, DAVID 3,081,968
HUGHES, MATTHEW JAMES 2,900,158
HUGHES, MICHAEL KON YEW 2,943,083
HUIJBERS, HANS 2,948,213
HULLENKREMER, FELIX 3,084,654
HULSKOTTER, FRANK 3,069,250
HULTGREN, ANDERS 2,998,574
HUMBLE, MARK 2,893,244
HUNG, KELVIN 3,013,346
HUNTER DOUGLAS INC. 2,856,890
HUOMO, HEIKKI 2,945,865
HUSKY OIL OPERATIONS LIMITED 3,073,881
HUSSAINI, SYED AHMED 2,867,887
HUSSEIN, MARWAN 2,971,613
HUTCHISON BIOFILM MEDICAL SOLUTIONS LIMITED 3,075,772
HYDRASON SOLUTIONS LIMITED 2,935,783
HYDRO-QUEBEC 3,030,460
HYDRO-QUEBEC 3,044,139
HYDROGENICS CORPORATION 2,872,551
HYDROWORKS, LLC 3,086,197
HYGGE ENERGY INC. 3,097,580
HYUN, SANG IL 3,014,866
HYUN, SEOK-HEE 3,002,168
ICHIM, THOMAS 3,061,952
ID TECHNOLOGY LLC 3,084,639
IDEMITSU KOSAN CO., LTD. 2,982,088
IDORSIA PHARMACEUTICALS LTD 2,939,893
IGI, SATOSHI 3,094,798
IGT CANADA SOLUTIONS ULC 2,875,159
IGUS GMBH 3,011,651
IHI CORPORATION 3,085,284
IKEA SUPPLY AG 2,950,472
ILC DOVER LP 2,927,208
ILLINOIS TOOL WORKS INC. 3,042,243
ILLINOIS TOOL WORKS INC. 3,063,141
ILLINOIS TOOL WORKS INC. 3,066,619
ILLINOIS TOOL WORKS INC. 3,071,840
ILLUMINA, INC. 3,065,027
ILLUMINA, INC. 3,067,426
ILOQ OY 3,079,035
IMAMURA, KIMIHIKO 2,931,656
INCOA PARTNERS, LLC 3,082,355
INCOA PARTNERS, LLC 3,082,425
INDYK, BENJAMIN 3,013,346
INGURAN, LLC 3,028,077
INMAR, INC. 3,053,694
INNOSPEC LIMITED 2,918,057
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 2,945,037
INSTITUT NATIONAL D'OPTIQUE 3,023,878
INSTITUTE OF MEDICINAL BIOTECHNOLOGY, CHINESE ACADEMY OF MEDICAL SCIENCES 3,083,540
INTERACTIVE SOLUTIONS CORP. 3,115,974
INTERNATIONAL E-Z UP, INC. 2,991,930
INTERNATIONAL WHEEL AND TIRE, INC. 2,947,142
INTEROJO INC. 3,014,866
INTUIT INC. 2,992,563

Index of Canadian Patents Issued
July 19, 2022

INTUIT INC. 3,013,346
INTUIT INC. 3,033,859
INTUIT INC. 3,068,333
INVESTISSEMENTS ARCAND INC. 2,895,672
IPAKCHI, ALI 2,887,172
IRELAND, BARRY 3,032,539
IRWIN, MICHAEL D. 2,931,692
ISAACSON, S. RAY 2,972,439
ISHIDA, TOMOYUKI 3,003,856
ISHII, YOICHI 2,935,315
ISLAM, MUHAMMAD NAZMUL 3,022,134
ISP INVESTMENTS LLC 3,017,613
ITRON, INC. 2,936,006
ITRON, INC. 2,936,008
IVAKITCH, RICHARD 2,826,691
IZDEBSKA, KATARZYNA 3,025,545
IZVARINA, NATALIA 2,976,363
J.R. SIMPLOT COMPANY 3,067,618
JACKS, THOMAS ELLIOT 2,991,726
JACKSON, MICHELLE 3,069,250
JACKSON, SIMON 2,918,199
JACKSON, VICTORIA ELIZABETH 2,932,057
JACOB, NICHOLAS T. 2,944,452
JACOLOT, RONAN 3,044,772
JACQ, XAVIER 2,951,683
JADOT, SOPHIE 2,932,057
JAEKER, THILO-ALEXANDER 3,011,651
JAGER INVEST KERESKEDELMI, SZOLGALTATO ES INGATLANHASZNOSITO KFT. 2,949,927
JAGGA, ARUN VICTOR 2,981,261
JAHROMI, ALI 2,940,932
JAIN, ARPIT 3,062,044
JANDA, KIM D. 2,944,452
JANG, SEONG-RYONG 3,067,679
JANSSEN PHARMACEUTICA NV 2,997,543
JANSSEN VACCINES & PREVENTION B.V. 2,908,921
JAPAN TOBACCO INC. 3,068,705
JARVIS PRODUCTS CORPORATION 3,099,589
JARVIS PRODUCTS CORPORATION 3,099,590
JARVIS PRODUCTS CORPORATION 3,099,593
JASPART, SEVERINE FRANCINE ISABELLE 2,988,362
JENNINGS, JAMES 3,068,333
JETHWA, RAKESH THOMAS 2,981,261
JEWRAJKA, SURESH KUMAR 2,919,820
JEZ, EMMANUEL 2,991,686
JFE STEEL CORPORATION 3,094,798
JFE STEEL CORPORATION 3,108,758
JI, XIEYUAN 2,888,573
JIAO, HONGGUANG 2,888,573
JIN, LING 2,943,772
JOBIC, STEPHANE 2,954,106
JOEL, ZELAH 3,104,072
JOHAENTGES, THOMAS 2,911,201
JOHANNES GUTENBERG-UNIVERSITAET MAINZ 2,750,985
JOHANNESSEN, EIVIND 2,987,988
JOHANSEN, KATJA SALOMON 2,898,228
JOHANSSON-RUDEN, GUNILLA 2,951,442
JOHN, SAMUEL 2,985,664
JOHNSON, DOUGLAS 3,071,842
JOHNSON, MARK, THOMAS 2,913,953
JOHNSON, MICHAEL RALPH BURGESS 2,952,261
JOHNSON, MIKE 3,078,235
JOHNSON, RUSSELL N. 2,919,828
JOHNSON, TODD J. 2,940,457
JOHNSON, WILLIAM, JR. 2,974,116
JOHNSTON, MICHAEL E. 2,892,762
JONES, ANDREW 2,850,835
JONES, ARTHUR 3,099,589
JONES, ARTHUR 3,099,590
JONES, ARTHUR 3,099,593
JONES, CLINT 2,890,974
JONES, MORRISA 2,927,434
JONES, TIMOTHY M. 3,004,249
JONES, TRENT 3,099,589
JONES, TRENT 3,099,590
JONES, TRENT 3,099,593
JONKMAN, JACOBUS A. 2,885,980
JOY GLOBAL UNDERGROUND MINING LLC 3,059,023
JT INTERNATIONAL SA 2,911,201
JUNG, ERIC 2,943,485
JUNK, KENNETH W. 2,947,288
JUPENG BIO (HK) LIMITED 2,913,196
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.) 3,077,463
KABUSHIKI KAISHA TOSHIBA 3,048,386
KACZKOWSKI, PETER J. 2,918,281
KACZUR, JERRY J. 2,950,294
KAJIHARA, YASUHIRO 2,908,211
KALEO, INC. 3,033,299
KALL, HAKAN 2,950,472
KAMAE, TOSHIYA 2,962,735
KAMATA, MAKOTO 2,946,519
KAMERKAR, ABHIJIT 2,890,451
KANARSKY, MAX 3,071,842
KANATT, BIJOY 2,941,173
KANDULA, MAHESH 3,048,485
KANEDA, SOTARO 2,906,698
KANEI, NAOFUMI 3,077,463
KANEMARU, TAKAO 3,011,921
KANG, JIWON 3,032,798
KANJICKAL, DEENU G. 3,052,848
KANO, TAKAYUKI 3,083,249
KANSARA, APURVAKUMAR DILIPKUMAR 3,039,345
KANTHARAJU, SWAROOP 2,940,932
KANZ, ANDREAS 3,076,030
KAP MEDICAL 2,906,924
KAPLAN, ALAN 2,895,209
KAPLAREVIC, MILOS 2,973,243
KAPOOR, MANIK 2,940,215
KAPTEIJN, FREDERIK 2,949,157
KARA, YILMAZ 2,944,692
KARANTONIS, DEAN MICHAEL 2,835,486
KARCHI, HAGAI 2,809,384
KARCZEWICZ, MARTA 2,933,206
KARCZEWICZ, MARTA 3,035,587
KARIGIANNIS, JOHN 3,062,044
KARLEN, ERIC 2,906,012
KARPATI, EDITH 3,102,174
KARRI, SURESH 2,967,952
KASHER, ASSAF YAAKOV 3,048,914
KATHOLIEKE UNIVERSITEIT LEUVEN, K.U.LEUVEN R&D 2,937,058
KATSUMURA, TATSURO 3,108,758
KATZ-JAFFE, MANDY 3,011,100
KAY, ANTHONY 3,073,881
KAYUM, SUHA NAIM 3,068,260
KECHAGIA, PERSEFONI E. 2,903,112
KECSKEMETHY, PETER 3,102,174
KEE, KEVIN D. 2,890,451
KEENE BUILDING PRODUCTS CO., INC. 2,954,318
KEENE, JAMES R. 2,954,318
KELLEY, KEVIN MANLY 3,092,665
KELLEY, ROBERT A. 2,978,901
KELLY, MARK 2,890,606
KELSO ENERGY LTD. 3,032,539
KEMP, GARY ALLEN, II 2,493,950
KENDALL, ALEXANDER M. 3,069,867
KENT, STEPHEN 3,065,472
KERCHER, WES 3,100,616
KERMANI, BAHRAM GHAFFARZADEH 2,832,643
KERR, MARSHALL 2,846,820
KERSEY, JAMES EDWARD 2,920,676
KERWIN, KEVIN R. 2,947,142
KESAVAN, PARTHASARATHY 2,973,243
KHALAJ, STEVE SAEED 2,947,470
KHALIGH-RAZAVI, SEYED-MAHDI 2,966,956
KHANNA, RAKSHAK 2,973,243
KHARA, GALVIN 3,102,174
KHATUN, AMNA 3,017,613
KHEIRON MEDICAL TECHNOLOGIES LTD 3,102,174
KHURANA, TARUN 3,067,426
KIDDE TECHNOLOGIES, INC. 2,885,112
KILGROW, BRET J. 3,052,848
KILLORAN, NATHAN 3,139,835
KIM, BO JUNG 2,935,319
KIM, DEOG JOONG 2,904,374
KIM, DO-YUN 3,079,652
KIM, KIJUN 3,032,798
KIM, KYUSEOK 3,032,798
KIM, NANHYE 3,023,714
KIM, SUNG CHUN 3,029,178
KIMMERLIN, THIERRY 2,939,893
KIMURA, TATSUMI 3,094,798

KINGSWAY ENTERPRISES (UK) LIMITED 3,077,869
KIPFER, MANFRED 2,937,576
KIRBY, SEAN SEBASTIAN 2,867,887
KIRKEGAARD NIELSEN, SOREN 2,946,454
KISTENMACHER, JOHN 3,100,616
KITURKES, ALEX 3,079,348
KLEEMAN, ALEX 2,992,251
KLEIN, BENJAMIN L. 2,917,866
KLEIN, KLAUS-DIETER 2,911,823
KLOTZ, STEPHAN 2,949,398
KLUGE, MARCEL 2,985,664
KLX ENERGY SERVICES LLC 3,057,345
KMIEC, CHESTER J. 2,984,328
KNOTT, WILFRIED 2,911,823
KOBLER, JAN-PHILIPP 2,985,664
KOCH-GLITSCH, LP 3,049,746
KOCHAN, JOHN R., JR. 2,858,672
KOEKEN, ADRIANUS 2,949,157
KOENIG, JOSEPH B. 3,052,848
KOHORI, ASAMI 3,091,030
KOJEN, GRY PEDERSEN 2,987,988
KOLAKOWSKI, GABRIELLE R. 3,079,019
KOLK, RICHARD 2,910,248
KOMATSU, FUMINORI 3,091,101
KONDAGE, SAVINI UDARA SUDUWELI 2,890,606
KONG, JONG SOO 3,067,969
KONGSBERG INC. 3,058,715
KONINKLIJKE DOUWE EGBERTS B.V. 2,972,711
KONINKLIJKE DOUWE EGBERTS B.V. 2,972,747
KONINKLIJKE PHILIPS N.V. 2,913,953
KOONSE, BENJAMIN JOHN 2,992,563
KOPPERS PERFORMANCE CHEMICALS INC. 2,949,852
KORCHIA MAOR, YEHOSHUA 3,122,736
KORKINOF, DIMITRIOS 3,102,174
KOSLOWSKI, MICHAEL 2,750,985
KOSOVICH, JOHN 2,915,786
KOSZEWNIK, JOHN ANDREW 3,039,535
KOTANKO, PETER 2,949,692
KOTSIOPOULOS, GEORGE 2,952,261
KOVALCHUK, ANTON 3,072,885
KRAELING, ROBERT R. 2,892,762
KREHEL, GREGG 2,965,152
KREIDER, MARC A. 2,906,698
KRINKER, RANDALL 2,894,931
KRINNINGER, MAXIMILIAN 2,995,144
KRISHNAMURTHY, RAJAGOPALAN 3,097,580
KRISTIANSEN, KARSTEIN 2,897,233
KRIVULIN, SEMION 2,943,642
KROEPLIEN, BORIS 2,932,057
KROON, BART 2,913,953
KROON, GIJSBERT 3,017,613
KROSAKIHARIMA CORPORATION 3,085,900
KROUSHL, DANIEL BOYD 2,937,247
KRULIK, RICHARD 2,891,573
KUEHN, JUSTIN 2,884,736
KUEPPERS, HANS 2,975,081
KUGGE, CHRISTIAN 2,998,574
KULCSAR, LIDIA 3,017,613
KUMAR, NITISH 2,908,914
KUMI, GODWIN 2,941,870
KUNG, TSUNG-MING (MIN) 2,891,573
KUO, HAN-PENG 3,020,774
KUPFERBERG, ROBERT JEFFREY 3,040,545
KUPPER, ACHIM 2,934,403
KURUVILLA, DENNY DEVASIA 2,981,261
KURZ, BRIAN E. 2,895,308
KUSASHIMA, NAOKI 2,931,656
KUSCHER, ALEXANDER FRIEDRICH 2,889,933
KUTZ OTTING, KRISTA 2,991,141
KUVADIA, ZUBIN B. 2,942,512
KWAK, TAE HWAN 2,935,319
LABBE, CHRISTIAN 3,096,108
LACEY, BRITTANY 3,143,249
LAI, JUNE 2,945,471
LAI, VICTOR 2,959,244
LAKKARAJU, PRASAD 2,950,294
LALKA, VIPUL KISHORE 2,981,261
LAMBERT, DIDIER 2,910,851
LAMOUREUX, STEPHEN 3,016,919
LANGEDIJK, JOHANNES PETRUS MARIA 2,908,921
LANGLOIS, JEAN-BAPTISTE 2,944,697
LANOS, PIERRE 3,077,116
LANTMANNEN AS-FAKTOR AB 2,894,948
LANXESS DEUTSCHLAND GMBH 2,898,028
LAROUCHE, FREDERIC 3,094,676
LAU, VINCENT 2,940,518
LAUNDRIE, DAVID 2,884,736
LAVACH, MARK L. 2,945,996
LAVIGNE, ODILE 2,931,927
LAVOIE, ERIC 3,030,460
LAVOIE, ERIC 3,044,139
LAVOIE, SAMUEL 3,044,139
LAWIE, DAVID CHARLES 2,967,855
LAWLER, JUSTIN 2,959,441
LAWRENCE, PAULRAJ KIRUBAKARAN 2,890,466
LE BRIS, STEPHANIE 2,954,106
LE GUERN, MARIE-EMMANUELLE 2,931,162
LE, PHUONG 2,940,518
LE, SY-DAT 3,064,918
LEACH, DOUGLAS D. 2,889,856
LEBEL, LARRY 2,890,425
LEBEL, STEPHANE 3,085,505
LEBLANC, OLIVIER 3,085,505
LEBLANC, VICKY 2,875,159
LEE, CHRIS C. 2,925,619
LEE, EUN HEE 3,079,652
LEE, JOHN JONG SUK 2,938,756
LEE, JOHN JONG-SUK 2,981,261
LEE, KILBOM 3,032,798
LEE, KYU DAE 2,935,319
LEE, MI JUNG 2,935,319
LEE, ROGER V. 2,901,132
LEE, SEUNG HOON 2,935,319
LEE, SOO CHANG 3,014,866
LEE, WEON SUP 3,079,652
LEE, WHEE SEONG 2,935,319
LEE, YOU-HUI 2,935,319
LEE, YOUNGAE 3,079,652
LEGER, MICHEL 2,907,630
LEGRAND, FREDERIC 2,944,692
LEHENBERGER, NINA 2,884,689
LEHMANN, MARIO 2,950,472
LEHMANN-HORN, JOCHEN 2,995,594
LEHNHARDT, ERIC C. 3,030,781
LEIA INC. 3,035,799
LEIA INC. 3,075,296
LEIDNER, JOCHEN LOTHAR 2,862,273
LEIPER, ALBAN 2,933,603
LELY PATENT N.V. 2,944,843
LEMUS, ROBERT 2,895,209
LENARZ, THOMAS 2,985,664
LENK, JEFFREY A. 3,071,842
LENK, SCOTT R. 3,071,842
LEPAGE, MARCO 3,030,460
LEPPLA, ANDREW L. 2,901,132
LESAFFRE ET COMPAGNIE 2,938,962
LESNIAK, STEVEN J. 3,085,790
LETENDRE, LEO JOSEPH 2,929,283
LETOURNEAU, DAVID MICHAEL 2,900,158
LEVIN, PHILIP S. 2,824,939
LEWIS, ANDREW LENNARD 2,922,961
LEWIS, ARNE K. 3,002,826
LEWIS, DAVID DARWIN 2,906,924
LEXICON PHARMACEUTICALS, INC. 2,941,870
LG ELECTRONICS INC. 3,032,798
LI, AIMIN 3,065,617
LI, DEAN Y. 2,949,545
LI, LI 2,749,539
LI, QUANJIE 3,083,540
LI, SHASHA 3,065,617
LI, SHUBO 3,041,220
LI, YISHAN 2,936,079
LI, YONGWANG 3,114,622
LICAMELE, LOUIS WILLIAM 2,893,542
LICAMELE, LOUIS WILLIAM 3,085,116
LICATA, MARK J. 3,033,299
LIEBERT, SCOTT 3,063,141
LIEVENS, DANIEL 2,905,338
LIGA ACE CORPORATION 3,137,178
LILLEBY, ANDERS 2,975,081
LIMITED LIABILITY COMPANY "MEDEL" 2,928,449
LIN, HSIN-YUNG 3,080,420
LIN, SZ-CHIN 3,067,426
LINDAMOOD, JACK 2,962,760
LINDBLOM, PETTER 3,092,946
LINDE GMBH 2,877,163
LINDE GMBH 2,933,011
LINDSTROM, ANDREW 2,895,209
LIPP, MICHAEL M. 2,890,451
LIPSCOMB, RANDY 3,073,407
LIQUID ROBOTICS, INC. 3,077,995
LITTLE, JACK R., JR. 2,962,411

LITTMANN, FRANCOIS 3,021,125
LITTMANN, FRANCOIS 3,033,622
LIU, CHENGWEN 3,082,920
LIU, FANG 3,065,617
LIU, GUOFENG 3,062,856
LIU, HUGH H. 3,007,190
LIU, JIANHUA 3,065,625
LIU, JUN 3,073,102
LIU, KEMING 3,075,169
LIU, NAI-CHIA 3,013,602
LIU, PHILLIP 2,962,760
LIU, SONG 2,913,196
LIU, WEIDONG 3,079,019
LIVINGSTON, BLAIR 2,869,233
LIZARRALDE, FERNANDO CESAR 3,100,772
LO, CHARLES NUNG 2,986,597
LOCATOR IP, LP 3,032,976
LOCHTEFELD, THOMAS J. 2,890,337
LOCKNER, JONATHAN W. 2,944,452
LOETSCHER, MARIUS 2,866,634
LOGAN, JESSAMYN ROSS 2,890,606
LONBERG, NILS 2,877,746
LONGET, STEPHANIE 2,866,634
LOOSE, DOUGLAS H. 3,073,064
LOPEZ ONDEVILLA, RAUL 3,109,877
LOPEZ, JOSE ARON 2,757,585
LORD, CHRISTOPHER 3,037,034
LOUBERE, DIMITRY 3,154,857
LOVERSO, JESSICA 2,891,573
LOVRIC, BOJAN 2,995,594
LOWSTUTER, WILLIAM R. 2,922,995
LOXO ONCOLOGY, INC. 3,079,019
LOY, MOLLY 3,014,761
LTS LOHMANN THERAPIE-SYSTEME AG 2,966,714
LU, SHI DA Y. 3,025,585
LUDOLPH, BJOERN 3,069,250
LUGTIGHEID, GERARDUS WILHELMUS 3,004,393
LUIK, MATTHIAS 3,076,030
LULULEMON ATHLETICA CANADA INC. 2,988,003
LUMB, JONATHAN 2,943,345
LUNDGREN, RACHEL 2,938,706
LUO, HUALING 3,062,856
LUO, TAO 3,022,134
LUO, XIA 3,035,510
LUPI, GIUSEPPE 3,013,543
LUSZCZ, JOSHUA M. 2,906,698
LUTZ, MELISSA HOLT 2,976,994
LYONS, JASON M. 2,945,996
LYU, JIANBO 3,062,856
MA, LIN 2,974,046
MA, YIPING 2,972,439
MAC COSS, MALCOLM 2,932,057
MACDONALD, EDWARD A. 2,974,116
MACK RIDES GMBH & CO. KG 3,077,264
MACKAY, ANDREW E. S. 2,923,068
MACNAUGHTAN, MARISA 2,901,132
MADER, SYLVIE 2,970,012
MADORE, ERIC 2,890,582
MAEDA, MASATOSHI 2,908,211
MAGANA, RODOLFO 2,938,963
MAGIC LEAP, INC. 2,971,613
MAGNA VAN DEVELOPMENT COMPANY, LLC 2,856,256
MAGNUM MAGNETICS CORPORATION 2,898,703
MAHIEU, JAN 2,954,144
MAHLER, DYLAN 3,139,835
MAHLER, MARIE-LUISE 3,054,038
MAJDANI, OMID 2,985,664
MAJEED, MUHAMMED 2,967,952
MAKKEE, MICHIEL 2,949,157
MALHOTRA, MEENAKSHI 2,820,236
MALMSTROM, MIKAEL 3,138,267
MANDEL, ROBIN 2,941,342
MANGIPUDI, KALYANI 3,025,585
MANHAS, KARAN 3,114,046
MANHEIM INVESTMENTS, INC. 2,893,244
MANI, SAIKUMAR 2,880,115
MANKOWSKI, PETER 2,856,430
MANSERGH, JOHN 2,991,141
MANSOUR, GEORGE MICHEL 3,110,536
MANTELL, ROBERT 3,075,128
MANTHENA, VAMSI KRISHNA 2,908,914
MARAK, KNUT ARILD 2,987,988
MARCHAND, BERNARD 2,944,692
MARCHE, THIERRY 2,940,805
MARCOZ, ALAIN 2,991,686
MARDIKAR, UPENDRA S. 3,103,839
MARIMAN, NATHAN A. 2,831,041
MARINE POLYMER TECHNOLOGIES, INC. 2,796,068
MARINE, JEAN-CHRISTOPHE 2,937,058
MARINIC, SASA 2,933,422
MARION, FREDERIC 3,094,676
MARKI, IWAN 2,932,577
MAROIS, MARC-ANDRE 3,062,044
MARTIKAINEN, ESKO 2,946,454
MARTIN, ALAN 2,865,412
MARTIN, PETER 3,117,744
MARTINEZ, ARNAUD 3,075,169
MARTINEZ, JEREMY 3,074,502
MARTINSEN, PER OYVIND 3,015,983
MARTINSEN, PREBEN N. 3,015,983
MARZANI, BARBARA 2,923,388
MASIAS, JUSTIN L. 3,150,392
MASTER FLO VALVE INC. 2,947,311
MASTERCARD INTERNATIONAL INCORPORATED 3,003,582
MASTERCARD INTERNATIONAL INCORPORATED 3,045,801
MATHREAD INCORPORATED 2,975,626
MATSUDA, KEIICHIRO 3,091,101
MATSUMOTO, AKIHIDE 3,003,856
MATSUTANI, KENJI 3,083,249
MAXIMA S.R.L. 2,950,045
MAYELLE, NICK 2,958,707
MAYER, JORG 2,950,472
MAYO, STEVE 2,935,783
MCANN, DOMINIC PATRICK JOSEPH 3,065,472
MCCARTER, ROBERT ALEXANDER 2,981,261
MCCLAIN, ERIK L. 2,947,142
MCCONNELL, THOMAS E. 3,045,661
MCCORMICK & COMPANY, INCORPORATED 3,008,636
MCCULLOUGH, JOHN R. 3,042,412
MCDERMOTT, KELLEY 3,045,801
MCDONALD, DAVID 2,959,244
MCEACHERN, WILLIAM 2,998,099
MCEVOY, TRAVIS KYLE 3,062,168
MCFARLAND, BRUCE 3,085,920
MCKEE, TONY RAY 2,927,208
MCKINNEY, HAROLD J. 2,945,041
MCREYNOLDS, SUSANNA 3,011,100
MEDA OTC AB 2,951,442
MEDARD DE CHARDON, BRIAC 3,011,921
MEDERIS DIABETES, LLC 2,891,929
MEDRANO, ALEJANDRO 2,894,931
MEDTRONIC MINIMED, INC. 3,055,783
MEIMA, GARMT R. 2,949,157
MEINHART, CARL D. 2,933,038
MELOT, VINCENT 2,953,429
MEMMINGER, OLIVER 3,138,620
MENDOZA, MARCELA 2,888,355
MERANDON, BERTRAND 2,945,043
MERCIER, MATHIEU 3,096,108
MERCK SHARP & DOHME CORP. 2,927,434
METCALF, ANDREW T. 3,079,019
METROPOLITAN INDUSTRIES, INC. 2,858,672
METZLAFF, NORBERT 3,007,123
MEYER, EMMANUEL 2,939,893
MEYER, TOM 3,023,714
MEYERS, PAUL F. 3,033,299
MICHAEL, LACHLAN 2,909,305
MICHAEL, LACHLAN BRUCE 2,987,907
MICHELOTTI, MATTEO 2,955,283
MICHIUCHI, MASATO 3,003,856
MICRO MOTION, INC. 3,037,477
MIDORI ANZEN CO., LTD. 3,061,384
MIESCHER, SYLVIA 2,866,634
MIGLIORANZO, IVANO 2,944,766
MIIKKI, NINA 2,941,100
MILBANK MANUFACTURING CO. 2,889,856
MILFORD, MATTHEW A. 3,041,696
MILJAK, DAVID GEOFFREY 2,995,594
MILLER, DANFORTH 2,898,700
MILLER, GARY 2,947,204
MILLER, JEFFREY C. 2,854,819
MILLER, JOHN GARY 2,953,181
MILLER, ROSS ALLEN 2,991,726
MILLS, CHRISTOPHER J. 3,004,249
MILLS, HILTON R. 2,945,670
MILOS-SCHOUWINK, MIA 2,934,418
MIN, XIAOYU 3,058,199
MINATO, YOSHIHIRO 3,003,856
MINCON INTERNATIONAL LIMITED 2,915,786

Index des brevets canadiens délivrés
19 juillet 2022

MINEX CRC LTD 2,967,855
MINGOZZI, FEDERICO 2,827,375
MIRACLE, GREGORY SCOT 3,069,250
MIRONOV, OLEG 2,937,717
MIRONOV, OLEG 2,937,974
MISSION THERAPEUTICS LIMITED 2,951,683
MITCHELL, CHERYL 2,945,680
MITSUBISHI ELECTRIC CORPORATION 3,099,467
MITSUBISHI ELECTRIC CORPORATION 3,109,344
MITSUI MEDICAL COMMERCE CO., LTD. 3,028,951
MITSUI, IWANE 3,028,951
MIZEK, ROBERT 2,893,737
MO, YUANWEN 3,123,969
MOINARD, NATHALIE 2,940,805
MOKHTARI, SASAN 2,887,172
MOLECULAR PARTNERS AG 2,892,747
MOLENDOTECH LIMITED 2,918,199
MOLLICK, PETER J. 3,018,862
MOMCHILOV, GEORGY 3,125,534
MONAHAN, SEAN D. 2,919,828
MONCHALIN, JEAN-PIERRE 3,063,930
MONDJINOU, YAWO 3,002,168
MONEY, NIGEL 2,935,783
MONIG, WOLFGANG 2,963,943
MONNEE, MENNO CORNELIS FRANCISCUS 2,997,543
MONSANTO TECHNOLOGY LLC 2,861,217
MONTEIRO, JOAO CARLOS ESPIUCA 3,100,772
MONTEYS, ALEJANDRO MAS 2,878,401
MONTFROND, MATTHIEU 3,044,139
MORENA, JOSEPH 3,126,288
MORENA, VINCE 3,126,288
MORENO, DAVID A. 3,079,019
MORETTI, NADIA 2,981,261
MORGAN, DANIEL H. 2,882,634
MORGUNOV, MIKHAIL SAMUILOVICH 2,928,449
MORIN, FRANCOIS 3,030,460
MORIN, YAO 3,068,333
MORISHITA, YASUYUKI 2,982,088
MORRIS, ROBERT ALLAN 2,937,247
MORRIS, STEPHEN 2,962,520
MORRISON, BLAIR 3,139,835
MORRISON, ROBERT L. 2,964,599
MORROW, ANN MARIE 2,940,518
MORTAZAVI, SAVIZ 3,111,164
MORTON, ROBERT 3,005,796
MORVAN, DANIEL 2,931,927
MOUNTAIN, MICHAEL 3,055,369
MOUTON, JACOBUS FREDERICK 2,968,877
MUHAMMAD, NABIL SVEN LOGHIN 2,909,305
MUHLBAIER, MIKE 2,973,243
MUI, TIMOTHY 2,901,132
MUKHERJEE, BIPLAB 2,942,512
MUKHERJEE, SAIKAT 3,033,859
MUKHERJI, ARIJIT 2,962,760
MULDER, IMKE ELISABETH 3,066,561
MULQUEEN, SIMON 2,918,057
MULTI RADIANCE MEDICAL 3,071,842
MURPHY, GARY 2,971,524
MURRAY, CHRIS 3,061,665
NAGABHUSHANAM, KALYANAM 2,967,952
NAGY, MICHAEL 2,997,007
NAIK, NAGARAJU 2,986,597
NAKAI, TOSHIMITSU 3,109,344
NAKAMURA, MINORU 2,946,519
NAKAMURA, RYUMA 3,099,467
NAKARMI, PRAJWOL KUMAR 3,070,876
NAKASHIMA, RYOYO 3,091,101
NAMI-TECH S.R.O. 2,970,390
NANORA PHARMA INC. 2,820,236
NAPIER, RORY ARCHIBALD 3,054,920
NASH, BRADY 3,073,102
NASH, JAMES WILSON 2,952,420
NATIONAL OILWELL VARCO NORWAY AS 2,965,750
NATIONAL RESEARCH COUNCIL OF CANADA 3,063,930
NAYAK, KALPANA KAMALAKAR 2,908,914
NAYAR, SUNIL 3,045,358
NDI MEDICAL, LLC 3,014,965
NEEL, ALLEN J. 3,067,618
NELSON, BILL 2,884,736
NELSON, RENEE 3,023,714
NEMOTO, TAKAYUKI 2,935,315
NESTOR, JOHN J. 2,891,929
NETFLIX, INC. 3,039,345
NETFLIX, INC. 3,039,535
NEVES, ALEX FERNANDES 3,100,772
NEWMASTER, DANIEL M. 2,889,856
NEWTON, DAVID VINCENT 3,073,064
NEX FLOW AIR PRODUCTS CORP. 2,981,987
NEYENS, TYLER JOHN 2,969,696
NG, KENNETH KA-SENG 3,073,102
NIA KOSARI, SINA 3,079,348
NICKELSEN, MICHAEL G. 3,020,691
NICKELSEN, MICHAEL G. 3,049,886
NICKERSON, JAMES J. 3,052,848
NICOVENTURES TRADING LIMITED 3,034,168
NICOVENTURES TRADING LIMITED 3,037,034
NIELSEN, DOUGLAS 2,997,007
NIEUWOUDT, IZAK 3,049,746
NIPPON SODA CO., LTD. 3,091,030
NIPPON SODA CO., LTD. 3,091,101
NISHIHARA, MIKA 2,908,211
NISHIJIMA, HIROYUKI 3,091,030
NISHIMURA, YOSHITOMO 3,099,467
NISHIO, YUKIHIRO 3,014,421
NISHIZAWA, TOSHIAKI 3,091,030
NIU, XIAOKAI 3,092,665
NOBLE, SCOTT 3,064,399
NOBLETT, DAVID ALLAN 3,065,472
NOGAMI, TOSHIZO 2,931,656
NOKIA TECHNOLOGIES OY 3,006,093
NOLIN, ERIC 2,964,599
NORSK HYDRO ASA 2,921,895
NORSK HYDRO ASA 2,975,081
NORTHGATE TECHNOLOGIES INC. 3,075,128
NORWOOD ARCHITECTURE, INC. 3,035,061
NORWOOD, STEVEN 3,035,061
NOTTEAU, CHRISTOPHE 2,891,167
NOVA CHEMICALS CORPORATION 2,890,606
NOVALUM SA 2,964,835
NOVARTIS AG 2,898,700
NOVELIS INC. 3,068,470
NOVOZYMES A/S 2,898,228
NOWATSCHIN, STEPHAN 2,995,144
NOZUE, SAMITO 3,099,467
NTT DOCOMO, INC. 3,097,680
NULOGY CORPORATION 2,867,887
NUSSER, DIRK 3,082,431
NUVATE INC. 3,053,425
O'BRYAN, JEFF 2,972,439
O'CONNOR, PAUL 2,933,422
O'FLAHRITY, MICHAEL 2,884,736
O'HARA, STEPHEN PATRICK 2,929,676
O'MARA, KERRY D. 2,947,204
O'MORAIN, CIARAN 2,959,441
O'NEILL, MICHAEL 3,102,174
O'NEILL, MICHAEL L. 3,059,023
OCHS, STEFAN 2,934,403
ODEGARD, MARK 3,045,358
ODLOZILIK, MIROSLAV 2,970,390
OETIKER SCHWEIZ AG 3,040,555
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES (ONERA) 2,931,927
OGAWA, TAICHI 3,061,384
OGDEN, RICHARD W. 2,958,083
OH, KEUNHEE 3,079,652
OH, KYUNG HEE 3,014,866
OHUCHI, MASAKI 2,908,211
OKADA, SATOSHI 2,987,907
OKAMOTO, TAKESHI 2,935,315
OKERMAN, JASON KOHEI ARTHUR 2,911,373
OL.MI S.R.L. 2,944,766
OLDCASTLE BUILDING PRODUCTS CANADA INC. 2,954,442
OLSEN, BRUCE R. 2,976,112
ONEUFER, STEPHEN WILLIAM 2,937,247
ONG, QUYEN 3,055,783
ONTARIO POWER GENERATION INC. 3,025,545
OOTSUKA, TOMOHIRO 3,077,463
OP-HYGIENE IP GMBH 2,850,835
OPEN ACCESS TECHNOLOGY INTERNATIONAL, INC. 2,887,172
OPENSHAW, GRAHAM 2,969,654
OPEX CORPORATION 2,947,204
OPHARDT, HEINER 2,850,835
OPREA, GABRIELA-ELENA 2,750,985
OPTIBIOTIX LIMITED 2,929,676

Index of Canadian Patents Issued
July 19, 2022

OPTOWAY TECHNOLOGY INC. 3,070,971
OPW FLUID TRANSFER GROUP EUROPE B.V. 2,939,041
ORBIX SOLUTIONS 2,958,707
ORLANDINI, LAURA 3,044,289
ORTMAIER, TOBIAS 2,985,664
OSTENDORF, CHARLES MICHAEL 2,940,518
OSTERGAARD, BENT 2,946,452
OSTUNI, RAFFAELE 2,977,239
OTA, HIROKI 3,108,758
OTOJIG GMBH 2,985,664
OUCHI, WATARU 2,931,656
OUELLETTE, WILLIAM 2,901,132
OZTURK, TURAN 2,977,170
PACCAR INC 3,137,625
PACECONTROLS LLC 2,910,248
PAI, MING-TSUNG 3,059,392
PAILHAS, YAN 2,935,783
PAINTER, BENJAMIN THOMAS 2,955,115
PAN, CLARK 2,884,762
PAN, XIANDE 3,062,856
PANDOLFINO, JOSEPH 3,107,796
PANIAN, TYLER DEVIN 3,110,536
PANIK, DAVID 2,809,384
PANKRATOV, KIRILL K. 2,974,116
PANKRATZ, STEPHEN 3,053,425
PAPPLE, MICHAEL 2,890,425
PAQUET, ALEX 3,023,878
PARANJPE, SHRIRAM 3,008,636
PARDINI, GIONATA 2,950,045
PAREJA GOMEZ, JOSEP 2,959,954
PARK, MI JU 3,079,652
PARK, SANG WOOK 3,037,618
PARKER, JOHN LOUIS 2,835,486
PARKIN, MICHAEL 2,896,973
PASCHAL, AMBER E. 2,919,828
PASCHON, DAVID 2,854,819
PASCUAL, GABRIEL 2,908,921
PATEL, VIMALKUMAR BABUBHAI 2,929,283
PATIDAR, MEHUL 3,145,192
PATRICK, KEVIN 2,856,256
PATTEN, ANDREW TIMOTHY 3,037,477
PATTERSON, ADAM 3,069,867
PAUL WURTH S.A. 2,948,223
PAUL, WYATT 2,991,364
PAULSEN, MARK R. 2,955,226
PAVILLET, JULIEN 2,875,044
PAYNE, J. PATRICK 2,952,317
PAYPAL, INC. 3,103,839
PAYRE, DENIS 2,905,338
PAZMINO, JORGE H. 2,942,512
PAZOS, CARLOS MARCELO DIAS 2,986,597
PEARCEY, LEIGH ANDRE 2,904,374
PEARSON, ROBERT T. 3,055,369
PEDERSEN, ANDERS 2,983,198
PEDIADITAKIS, IOSIF 3,067,384
PEGASUS S.R.L. 2,991,395
PENA, CAROLINE 3,117,604
PENACHIO, ERNEST D. 2,890,451
PENG, BIN 3,047,179
PENN, JAMES DOUGLASS 2,986,541
PENNEY, MELINDA 2,946,058
PENTERMAN, JOHN 2,954,442
PEPPER, ELIZABETH JANE 2,952,261
PEREIRA, ALEXANDRE 2,991,686
PEREIRA, LUIS 2,920,676
PEREIRA, SCHUBERT 2,940,518
PEREZ-PRAT VINUESA, EVA MARIA 3,071,536
PERILLON, JEAN-LUC 2,954,106
PERKINS, TIMOTHY 3,070,176
PERRY, JONATHAN WILLIAM 3,085,380
PERRY, TOM 2,846,171
PERSON, TIMOTHY J. 2,943,155
PESCHEL, ANDREAS 2,933,011
PETERS, BROCK A. 2,832,643
PETERSEN, LASSE MARKFOGED 2,946,452
PETERSEN, RUSSELL 3,017,928
PETORAL, RODRIGO, JR. 2,943,852
PETRABYTES, INC. 2,882,634
PETRIN, MICHAEL J. 2,901,132
PETROCHINA COMPANY LIMITED 3,035,510
PETROSPEC ENGINEERING INC. 2,890,974
PETTINELLI, LINDSAY 2,946,058
PETTINGA, MARK STEVEN 3,006,298
PFIZER INC. 2,929,283
PFLUGRATH, BRIAN J. 2,918,281
PFLUGRATH, LAUREN S. 2,918,281
PFM MEDICAL, INC. 2,846,820
PHARMABCINE INC. 3,079,652
PHILIP MORRIS PRODUCTS S.A. 2,937,717
PHILIP MORRIS PRODUCTS S.A. 2,937,974
PHILIP MORRIS PRODUCTS S.A. 3,046,426
PIC, MICKAEL 2,906,270
PICARDO, MAURO 2,923,388
PIETROBON, JONATHAN M. 2,885,980
PIGNEDE, GEORGES 2,938,962
PINEDA, ALEJANDRO 2,938,963
PIONEER HI-BRED INTERNATIONAL, INC. 3,099,317
PIPELINES 2 DATA (P2D) LIMITED 2,935,783
PIRAVIDILI MUCUR, SELIN 2,977,170
PIRENNE, LUC 2,905,338
PIROTEALA, TUDOR 3,068,470
PLAETZER, KRISTJAN 3,073,102
PLANTE, ALEXANDRA CARMELA 2,988,003
PLANTMA AB 3,153,031
PLATTEEUW, JOHANNES JAN 2,932,855
PLATTEEUW, JOHANNES JAN 2,988,362
PLITZ, IRENE 3,002,857
PLOJOUX, JULIEN 3,046,426
PLUMMER, DAVID O. 3,150,392
PODGORNY, IGOR A. 2,992,563
PODGORNY, IGOR A. 3,013,346
POLLARD, MATHIEU 2,991,686
POLYMEROPOULOS, MIHAEL H. 2,893,542
POLYMEROPOULOS, MIHAEL H. 3,085,116
PONTONIO, STEVEN J. 2,903,112
POTTER, WILLIAM JOHN 3,015,655
POULIOT, NICOLAS 3,030,460
POULTER, TREVOR JOHN 2,939,041
POWELL, JONATHAN KEITH 3,062,168
PRAKASH, SATYA 2,820,236
PRASAD, HARI 2,794,892
PRASHAD, AMARNAUTH SHASTRIE 2,929,283
PRATT & WHITNEY CANADA CORP. 2,826,691
PRATT & WHITNEY CANADA CORP. 2,843,288
PRATT & WHITNEY CANADA CORP. 2,845,615
PRATT & WHITNEY CANADA CORP. 2,860,326
PRATT & WHITNEY CANADA CORP. 2,861,179
PRATT & WHITNEY CANADA CORP. 2,890,425
PRAXAIR TECHNOLOGY, INC. 2,903,112
PRECISION PLANTING LLC 3,095,400
PRESTAYKO, RACHEL 2,952,048
PRICE, WADE T. 2,976,112
PRIESS, CRAIG 2,905,996
PRIEVE, MARY G. 2,919,828
PRINCE, MATTHEW B. 3,069,088
PRISM INTEGRATED SOLUTIONS INC. 2,869,598
PROJECT PHOENIX, LLC 2,940,679
PROJECT PHOENIX, LLC 2,962,073
PRUZANSKY, AMY 2,959,244
PURCELL, JOSEPH 2,915,786
PURCELL, NATHAN H. 3,089,398
PURDUE RESEARCH FOUNDATION 3,002,168
PURDY, CLAY 3,065,043
PUROHIT, VIKRAM CHANDRAKANT 2,904,374
PUSEY, LAUREN R. 2,917,866
PUTZ, FLORIAN 3,065,050
QABAR, MAHER 2,919,828
QIANG, LIANGLIANG 3,065,027
QIU, HUAWEI 2,884,762
QIU, JIA SEN 3,063,378
QS ENERGY, INC. 2,933,038
QUALCOMM INCORPORATED 2,933,206
QUALCOMM INCORPORATED 2,952,420
QUALCOMM INCORPORATED 2,986,597
QUALCOMM INCORPORATED 3,022,134
QUALCOMM INCORPORATED 3,035,587
QUALCOMM INCORPORATED 3,048,914
QUALFLOW SYSTEMS LIMITED 2,959,441
QUANCI, JOHN FRANCIS 2,973,243
QUANTIFY LABS, INC. 2,869,233
QUICK CONNECTORS, INC. 2,952,317
QUINTON, PEGGY 2,954,393
QUIX, MAARTEN 2,956,874

RADA, GEORGENE 2,891,573
RADTKE, IAN R. 3,095,400
RAEMY, XAVIER CEDRIC 2,934,418
RAHIMI, ABDOLHOSSEIN AKA FARROKH 2,887,172
RAINES, JUSTIN R. 3,037,922
RAJAGOPALAN, HARITH 2,824,939
RAJEWSKI, ROBERT C. 2,869,598
RAMAN, RAJESH 2,962,760
RANDALL, JARED LYNN 2,991,726
RANDHAWA, NISHANT 3,030,999
RANDS, PETER 3,104,072
RANPAK CORP. 3,073,591
RAO, ASHWIN K. 3,055,783
RAPAKA, KRISHNAKANTH 2,933,206
RASTALL, ROBERT 2,929,676
RATHGEBER, MARTIN 3,075,108
RAU, THOMAS STEPHAN 2,985,664
REACTIVE TECHNOLOGIES LIMITED 2,945,865
REBAR, EDWARD J. 2,854,819
REBER, JENS-PETER 3,070,150
RECORDATI AG 2,954,393
REDDY, B. RAGHAVA 3,061,819
REECE, HAYLEY ANN 2,991,726
REGE, NETRESH U. 2,947,142
REICK, MICHAEL 3,008,636
REIDERMAN, ARCADY 3,057,064
REINECKE, THOMAS 3,007,123
REISO, ODDVIN 2,921,895
REMENAR, JULIUS F. 3,035,442
REUBEN, RONIE 2,874,644
REUTER, HARDY 2,915,147
REXAHN PHARMACEUTICALS, INC. 2,904,374
REYCO GRANNING, LLC 2,919,298
REYCO GRANNING, LLC 2,919,299
REYNOLDS, DAVID 3,023,714
RHEE, MINSOUNG 3,067,426
RHINOMETRICS A/S 2,885,980
RHODES, DAVID E. 3,092,665
RIBERO, BERNARD 2,910,851
RIBOMIC INC. 2,943,772
RICHARD, PIERRE-LUC 3,030,460
RICHARDSON, GEORGE DAVID 2,943,642
RICHAUD, JOHAN 2,951,607
RICHTER DAHLFORS, AGNETA 2,877,470
RICHTER LIFE SCIENCE DEVELOPMENT AB 2,877,470
RICHTER, STEFFEN 3,040,555
RIDDER, RUDIGER 3,117,744
RIEGER, HUBERT 2,971,627
RIES, LANDON LINN 3,099,317
RIJKEN, TOBIAS 3,102,174
RIO, CATHERINE 2,931,927
RIVERS, NICHOLAS 2,933,603
ROACH, MICHAEL THOMAS 3,099,317
ROBERT, CHRISTOPHE 2,891,167
ROBERTS, PETER 2,943,700
ROBINS, IAN 2,946,448
ROBINSON, MARK 2,892,058
ROBINSON, URANO A. 3,034,570
ROCHA, FILIPE AUGUSTO SANTOS 3,100,772
RODAMMER, KATIE NICOLE 3,117,604
RODRIGUEZ, RICARDO 2,862,273
ROE, JOHN A. 3,084,639
ROEDER, RAYMOND 2,976,112
ROESTENBERG, TIMO 2,933,422
ROGER, CHRISTOPHE 2,878,079
ROGERS, BRIAN 3,053,694
ROGERS, EVAN W. 2,936,079
ROH, TAE CHEUL 2,935,319
ROMERO, ALEJANDRO OSWALDO HERNANDEZ 2,902,690
ROMU, THOBIAS 2,946,330
ROOT, MICHAEL R. 3,032,976
ROOT, STEVEN A. 3,032,976
ROPER, DANIEL G. 2,945,041
ROQUETTE FRERES 2,953,730
ROQUETTE FRERES 3,077,116
ROSANO, SHARON A. 3,003,582
ROSAR, PAUL 3,001,288
ROSEMOUNT AEROSPACE INC. 2,906,012
ROSENMAYER, DANIEL FRANCIS 2,906,924
ROSS, ALLAN 2,969,654
ROSSE, JONATHAN P. 2,874,329
ROSSI, ALEX 2,933,603
ROSSI, FILIPPO 2,916,591
ROSSO-GONZALEZ, DIEGO 3,058,199
ROTHENBUHLER, JORG H. 2,940,124
ROTHWELL, HOWARD 3,034,168
ROUSHEY, JEFFREY LEWIS 2,927,208
ROUSSEAU, FREDERIC 2,931,927
ROUSSEAU, GILLES 3,030,460
ROY, DEBASHISH 2,919,828
ROY, ELISE 3,140,325
ROYAL DUYVIS WIENER B.V. 2,948,213
ROYSET, JOSTEIN 2,921,895
ROZEK, ANNETT 3,114,046
RUDDOCK, DAVID 3,078,235
RUG DOCTOR, LLC 2,940,518
RUITENBEEK, MATTHIJS 2,949,157
RUMMER, DOUGLAS WILLIAM 2,898,703
RUSCIO, DANI 3,046,426
RUSSCHER, JACOB CORNELIS 2,997,543
RUSSELL, DON 2,977,554
RUSSELL, KATIE 2,973,243
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY 3,002,857
RZANY, ALEXANDER 2,884,689
S.A. GIUSEPPE CRISTINI S.P.A. 2,955,283
SAARINEN, PASI 3,070,876
SABNIS, YOGESH ANIL 2,932,057
SABSABI, MOHAMAD 3,063,930
SACU, EROL ERTUGRUL 3,082,431
SADANA, ANIL 3,072,885
SADIQ, BILAL 3,022,134
SADOWSKI, ANDRZEJ 3,068,150
SAFRAN 2,941,342
SAFRAN AIRCRAFT ENGINES 2,949,920
SAFRAN LANDING SYSTEMS CANADA INC. 3,007,190
SAHIN, UGUR 2,750,985
SAINT MARTIN, CLAUDE 2,910,851
SAINT-GOBAIN GLASS FRANCE 3,082,431
SAIPEM S.P.A. 2,890,582
SAITO, SHOTA 3,091,101
SAKAMOTO, HIROKI 2,946,519
SAKAMOTO, IZUMI 2,908,211
SALAZAR, ABRAHAM J. 3,085,134
SALKELD, SAMANTHA L. 2,879,210
SALLET, LUDOVIC 2,891,167
SALSICH, ANTHONY 3,063,141
SALUDA MEDICAL PTY LIMITED 2,835,486
SAMI LABS LIMITED 2,967,952
SANCHEZ, MIGUEL 2,910,851
SANCHEZ, ROBBI L. 3,059,210
SANDEROVICH, AMICHAI 3,048,914
SANDERS-VAN WIJK, SANDRA 2,945,680
SANDMANN, CHRISTIAN 3,061,665
SANDVIK INTELLECTUAL PROPERTY AB 2,971,627
SANDVIK INTELLECTUAL PROPERTY AB 3,092,946
SANG, YIJUN 2,925,619
SANGAMO THERAPEUTICS, INC. 2,854,819
SANGAMO THERAPEUTICS, INC. 2,904,210
SANKARAN, MUTHUMARIAPPAN 2,950,472
SANKARAN, NATARAJAN 2,967,952
SANO, TAKESHI 3,083,249
SANTOS CASTRO, VERA P. 2,949,157
SANZGIRI, VIBHAV RAMRAO 2,908,914
SAPIN, JULIEN 2,999,413
SARGENT MANUFACTURING COMPANY 2,965,152
SARKAR, SUBRATA 3,145,192
SASAKI, SHUNSUKE 3,108,758
SATCHIVI, NORBERT M. 2,898,356
SATTAR, ANAS AKRAM 2,918,199
SAUDI ARABIAN OIL COMPANY 3,061,819
SAUDI ARABIAN OIL COMPANY 3,068,260
SAUNDERS, CRAIG (DECEASED) 2,940,518
SAVAGE, PAUL B. 2,991,726
SAVEYN, PIETER JAN MARIA 3,044,289
SAVIGNAC, HELENE 3,066,561
SAVKIN, VICTOR 2,867,887
SAWYER, KENNETH I. 2,956,919
SCA FOREST PRODUCTS AB 2,998,574
SCALFARO, PIETRO 3,140,325
SCARLATA, ANDREW FRANCIS 2,964,923
SCARPINO, SAMUEL V. 2,892,058
SCHAAP, MICHIEL 2,933,879
SCHAFER, CHRISTOPH 2,886,096

Index of Canadian Patents Issued
July 19, 2022

SCHAMBYE, HANS 2,983,198
SCHARTNER, QUINN WILLIAM 3,042,243
SCHEEL, MARIA 2,878,401
SCHEIB, CHARLES J. 3,066,527
SCHIEBER, MARKUS 2,912,151
SCHIFFERER, KLAUS 3,138,620
SCHILDER, FRANK 2,862,273
SCHILTZ, JOHN D. 3,089,398
SCHINDLER, KYLE STEVEN 3,057,345
SCHLEIME, TIM 3,074,085
SCHLUETTER, JENS-UWE 2,493,950
SCHLUMBERGER CANADA LIMITED 2,880,115
SCHMER, KONSTANTIN 3,011,651
SCHMIDHAUSER, JOHN 2,878,079
SCHMIDT, GUNTHER 2,877,163
SCHMIDT, JAMES 3,005,796
SCHOEDER, HEINZ 2,912,151
SCHOOLCRAFT, WILLIAM B. 3,011,100
SCHOUBBEN, JIMMY 3,082,069
SCHRAMM, STEVE 2,905,996
SCHREIBER, WALTER 3,082,431
SCHUEHMACHER, BRUNO 2,984,765
SCHULD, MARIA 3,139,835
SCIALLA, STEFANO 3,069,250
SCOTT, SYRONA R. 2,913,196
SDC U.S. SMILEPAY SPV 3,143,249
SEARI ELECTRIC TECHNOLOGY CO., LTD. 2,956,287
SEB S.A. 2,954,106
SECTOR, MARTIN J. 3,030,781
SEKINE, KIYOSHI 3,115,974
SENARATNE, RYAN H. 2,913,196
SENGUPTA, SAURAV S. 2,943,155
SEPTIEN ROJAS, JOSE MANUEL 3,071,840
SERIER-BRAULT, HELENE 2,954,106
SHAFER, DAVID A. 2,849,023
SHAHRIARI, ALI 3,088,874
SHANGHAI ASCLEPIUS MEDITEC CO., LTD. 3,080,420
SHANGHAI PAN-CHINA FASTENING SYSTEMS CO., LTD. 3,047,042
SHAO, QUAN MIN 3,080,794
SHARE GAL RESEARCH AND DEVELOPMENT LTD 3,122,736
SHARP KABUSHIKI KAISHA 2,931,656
SHAW INDUSTRIES GROUP, INC. 2,822,104
SHAW, STEVEN ROBERT 3,000,002
SHEARER, RON 2,856,256
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 2,953,415
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 2,956,239
SHELTON, BRIAN M. 2,910,982
SHEM, LLC 2,879,722
SHEN, CHUNGSEA 3,008,636
SHEVGOOR, SIDDARTH 2,972,439
SHI, YALING 2,899,713
SHI, YI 3,083,540
SHILOACH, ANAT 2,908,914
SHIMEZAWA, KAZUYUKI 2,931,656
SHIN, DONG HUN 3,014,866
SHINOHARA, YUJI 2,909,305
SHINOZAKI, YOSHIO 3,137,178
SICPA HOLDING SA 2,934,418
SIEMENS ENERGY AS 2,897,233
SIGL, DENNIS ROLAND 3,066,619
SIMMONS, JASON WAYNE 2,892,058
SIMONSON, RANDY R. 2,890,466
SIMUNDSON, BJORN D.H. 2,933,038
SINACOLA, JESSICA 2,927,434
SINGER, SCOTT 2,493,950
SINGH, AMANJOT 2,981,987
SINGH, HARPREET 2,942,512
SINGLE, PETER SCOTT VALLACK 2,835,486
SINGLETON, IV, LEO 3,125,534
SINGLETON, LEO C., IV 3,086,212
SINPHAR TIAN-LI PHARMACEUTICAL CO., LTD. (HANGZHOU) 3,020,774
SIRIHORACHAI, RACHAN 3,001,288
SIROTA, ERIC B. 2,930,442
SIRVIO, PETRI 2,941,100
SISTO, MARCO MICHELE 3,023,878
SIU, BERNARD FAI KIN 3,079,348
SKELSEY, SUSAN 3,045,801
SKOMSKI, JEFFREY N. 2,947,142
SKULAN, ANDREW J. 2,901,132
SKULASON, EGILL 2,951,377
SLIZ, JOSIAH 3,067,384
SLUTSKER, ILYA 2,887,172
SMALL PHARMA LTD. 3,104,072
SMALL, TODD 2,992,251
SMITH, BRADLEY 2,943,345
SMITH, CHRISTOPHER 2,892,058
SMITH, JOSHUA JAMES 3,058,199
SMITHS DETECTION - WATFORD LIMITED 2,873,525
SMITS, JOANNES HUBERTUS PETRUS MARIA 2,972,711
SMITS, JOANNES HUBERTUS PETRUS MARIA 2,972,747
SNAP-ON INCORPORATED 3,081,852
SNAP-ON INCORPORATED 3,089,398
SNECMA 2,875,044
SNECMA 2,928,696
SNECMA 2,934,063
SNEDECOR, MARK T. 3,084,639
SNOW, MICHAEL L. 3,055,369
SODE, KATSUYA 2,962,735
SONDEREGGER, ROBERT 2,936,006
SONDEREGGER, ROBERT 2,936,008
SONG, WEIXIN D. 2,925,619
SONG, XUYANG 3,061,808
SONOCO DEVELOPMENT, INC. 3,092,665
SONY CORPORATION 2,909,305
SONY CORPORATION 2,936,313
SONY CORPORATION 2,987,907
SOPER, JOHN G. 2,934,255
SORNIK, FRANK 3,077,264
SOTEFIN PATENTS SA 2,947,654
SPAGO NANOMEDICAL AB 2,943,852
SPECIALTY GRANULES INVESTMENTS LLC 3,109,628
SPENCER, STACEY 3,079,019
SPIN MASTER LTD. 2,959,244
SPINETTI, GUALTIERO 2,964,835
SPIRK, EVAN 2,940,518
SPLUNK INC. 2,962,760
SPRING LOADED TECHNOLOGY INCORPORATED 2,953,010
SPRUE SAFETY PRODUCTS LTD. 2,946,448
SRINIVASAN, MOHAN 2,877,746
SSAB ENTERPRISES, LLC 3,037,922
SSAB TECHNOLOGY AB 3,138,267
STAM, WALTER 2,953,415
STAM, WALTER 2,956,239
STANDAERT, LAURA 2,937,058
STARBUCKS CORPORATION D/B/A STARBUCKS COFFEE COMPANY 3,034,570
STAT-DIAGNOSTICA & INNOVATION, S.L. 2,959,954
STATOIL PETROLEUM AS 2,910,179
STATOIL PETROLEUM AS 2,987,988
STAVELEY, CHRISTOPHER 3,050,237
STEFANSKI, GRZEGORZ 2,975,081
STEINER, THOMAS WALTER 3,011,921
STEINMETZ, BERNHARD 2,915,147
STEPHENS, PAUL 2,940,518
STEPHENSON, NEIL A. 2,903,112
STEVENS, ANTHONY MALCOLM 2,967,855
STEVENS, MARK 2,898,228
STEWART, SCOTT 2,856,256
STIBICH, MARK ANDREW 3,075,108
STILWELL, REGINALD L. 2,899,713
STITH, CALEB 3,058,300
STITH, CALEB 3,152,227
STITH, CALEB 3,152,249
STOCKHAMMER, THOMAS 2,986,597
STONE, PATRICK B. 2,977,554
STONER, GENE 2,888,355
STORA ENSO OYJ 2,941,100
STOUT, JOSEPH B. 2,898,703
STRAT-LOG TECHNOLOGIES LTD. 2,956,165
STROBEL, HEIKE 2,892,747
STROM, ERIK 3,092,946
SU, BEILU 2,956,287
SU, DAIQIN 3,139,835
SU, SHUNGANG 2,969,696
SUGAHARA, TORU 2,962,735
SUGIMOTO, TAKAHIRO 2,946,519
SULLIVAN, JAMES MICHAEL 3,073,064
SULLIVAN, MICHAEL 2,947,204
SUMITOMO ELECTRIC INDUSTRIES, LTD. 3,003,856
SUN, FEI 3,013,518
SUN, FEI 3,013,520
SUN, GANGWEI 2,984,328
SUN, JINGTAO 3,025,585

SUN, YABIN 2,943,155
SUN, YU-CHEN 3,035,587
SUN, ZHAOHUA 3,075,113
SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC 2,973,243
SUNCOR ENERGY INC. 3,073,102
SUNCOR ENERGY INC. 3,088,468
SUNDARAM, BALAMURUGAN 2,997,007
SUNDARAM, SURESH 2,997,007
SUNDE, JONATHAN 3,025,397
SUNG, LINDA 3,002,857
SUNNYBROOK RESEARCH INSTITUTE 2,899,522
SUPERNA INC. 2,923,068
SUTTER, ROBERT W. 2,942,362
SUZUKI, SHINKICHI 2,946,519
SUZUKI, TAKASHI 2,922,720
SUZUKI, TOSHIFUMI 2,911,201
SWAMINATHAN, VENKAT R. 2,899,522
SWANSON, MARK E. 2,892,762
SWEENEY, MATTHEW 3,005,147
SWEET, LARRY M. 2,974,116
SWENSON, ERIK JOSEPH 2,876,479
SWINNEN, DOMINIQUE LOUIS LEON 2,932,057
SWISS KRONO TEC AG 3,033,692
SWITCHFLOAT HOLDINGS LIMITED 2,959,322
SYMBOTIC LLC 2,974,116
SYNFUEL AMERICAS CORPORATION 3,114,622
SZYMKOWIAK, FELIX 3,033,320
TAILLER, ROMAIN 3,074,502
TAILLON, YVES 3,023,878
TAKAHASHI, HIDEAKI 3,097,680
TAKAHASHI, KAZUYUKI 2,987,907
TAKEDA PHARMACEUTICAL COMPANY LIMITED 2,946,519
TAKEUCHI, KAZUHIKO 3,085,900
TAKEYAMA, HIDETOSHI 3,099,467
TALAVERA, VICTOR 2,968,370
TALAY, DEFNE KAYRAK 2,942,512
TALLY, BRANDON MICHAEL 2,903,928
TAMPER, JUHA 2,986,655
TAN, SIYUAN 2,854,819
TAN, WEIHUA 3,001,730
TANG, HAI 3,055,628
TANG, HAI 3,066,679
TANG, TONY P. 3,079,019
TANG, YIQING 2,922,961
TANG, YU 3,065,617
TANIMURA, YASUAKI 2,962,735
TANIZAWA, AKIYUKI 3,048,386
TANNEN, ROBERT 3,061,665
TANTIONGLOC, JUSTIN 2,888,355
TARARA, THOMAS 2,898,700
TARRAGO MINGO, SANTIAGO 3,109,877
TATA CONSULTANCY SERVICES LIMITED 2,887,428
TAVEAU, SEBASTIEN LUDOVIC JEAN 3,103,839
TAYLOR, CHARLES, A. 2,933,879
TAYLOR, JAY 3,067,426
TDELTAS LIMITED 2,919,778
TEAMEY, KYLE 2,950,294
TEBBE, HEIKO 2,898,028
TECHEL, JENNIFER 2,938,962
TEDEROUS, CORY J. 3,110,182
TEICHMANN, CARSTEN 2,915,147
TEIGEN, PER JOHNNY 2,975,081
TEKIN, EMINE 2,977,170
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,070,876
TELETRACKING TECHNOLOGIES, INC. 2,846,171
TEMME, NORA 2,991,364
TERAZONO, YUICHI 3,073,102
TERRIAN, JOSHUA 2,934,255
TEXTRON INNOVATIONS INC. 3,042,412
TEZUKA, KATSUNARI 2,908,211
THAMPY, SREEKUMARAN 2,919,820
THE BOEING COMPANY 2,902,690
THE BOEING COMPANY 2,976,112
THE BOEING COMPANY 2,976,994
THE BOEING COMPANY 2,977,554
THE BOEING COMPANY 2,984,355
THE BOEING COMPANY 3,002,826
THE BOEING COMPANY 3,003,513
THE BOEING COMPANY 3,004,036
THE BOEING COMPANY 3,004,249
THE BOEING COMPANY 3,010,856
THE BOEING COMPANY 3,016,324
THE CHILDREN'S HOSPITAL OF PHILADELPHIA 2,827,375
THE CLEVELAND CLINIC FOUNDATION 3,014,761
THE CLOROX COMPANY 2,901,132
THE EASTERN COMPANY 2,952,478
THE EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM), REPRESENTED BY THE EUROPEAN COMMISSION 3,021,125
THE EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM), REPRESENTED BY THE EUROPEAN COMMISSION 3,033,622
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 3,048,925
THE NIELSEN COMPANY (US), LLC 3,100,616
THE PROCTER & GAMBLE COMPANY 3,044,289
THE PROCTER & GAMBLE COMPANY 3,069,250
THE PROCTER & GAMBLE COMPANY 3,071,536
THE PROCTER & GAMBLE COMPANY 3,082,069
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,888,355
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,059,210
THE SALK INSTITUTE FOR BIOLOGICAL STUDIES 2,888,355
THE SCRIPPS RESEARCH INSTITUTE 2,944,452
THE TORONTO-DOMINION BANK 2,910,663
THE TORONTO-DOMINION BANK 2,938,756
THE TORONTO-DOMINION BANK 2,981,261
THE UNIVERSITY OF MANCHESTER 2,928,166
THE UNIVERSITY OF UTAH RESEARCH FOUNDATION 2,949,545
THE WELLBOSS COMPANY, LLC 3,081,968
THEEDA, SWATHI 3,045,685
THEILE, TOBIAS 3,074,085
THIJSSEN, STEPHAN 2,949,692
THIVIERGE, PATRICK 2,861,179
THOMAS, JASON 3,037,922
THOMAS, JOSEPH EARL 2,953,822
THOMAS, MATT 3,061,665
THOMASEN, SOREN 2,946,454
THOMPSON, DAVID H. 3,002,168
THOMPSON, EUGENE W. 2,856,890
THOMPSON, MICHAEL LEE 3,092,665
THOMPSON, STEPHEN NATHANIEL 2,903,928
THORNBURROW, EDWARD T. 2,948,325
THORNTON, EDWARD J. 2,948,325
TIKKANEN, VAINO 3,079,035
TILK, JASON 2,940,518
TOCKERT, PAUL 2,948,223
TOH, MUI LIAN JESSICA 3,123,969
TOME, ELIZABETH 2,940,932
TOMELLINI, DALITA 2,946,058
TOPNIR SYSTEMS SAS 2,910,851
TORAY INDUSTRIES, INC. 2,962,735
TORAY INDUSTRIES, INC. 3,014,421
TORIKAI, HIROKI 2,904,210
TORQUR AG 2,944,697
TORRE, MARCOS PAULO 3,100,772
TORRI, ANGELO 3,013,543
TORVINEN, VESA 3,070,876
TOURNIAIRE, JEAN-CLAUDE 3,074,502
TRADERS TRUST(IT 1490/2001) 2,968,877
TRADING TECHNOLOGIES INTERNATIONAL, INC. 2,493,950
TRAININ, SOLOMON 3,048,914
TRANI, MARINA 3,034,168
TRANSOCEAN INNOVATION LABS, LTD 2,920,676
TRANSTEX INC. 2,940,932
TRELLEBORG SEALING SOLUTIONS GERMANY GMBH 2,934,903
TREMBLAY, ANDRE YVES 3,111,164
TREPPMANN, CHRISTOPH 2,886,096

Index of Canadian Patents Issued
July 19, 2022

TRICOYA TECHNOLOGIES LTD 2,955,115
TRICOYA TECHNOLOGIES LTD 2,955,117
TRIEBES, THOMAS G. 3,052,848
TRINH, NA 3,055,144
TROCKI, MARCIN 3,068,150
TROUSSET, EMILIE 2,941,342
TRUDELL MEDICAL INTERNATIONAL 3,005,796
TRZYBINSKI, ROBERT EUGENE 3,046,804
TSERETOPOULOS, DEAN C. N. 2,981,261
TSUBOI, SATOSHI 3,085,900
TSUDA, KEIICHI 3,003,856
TSUKAGOSHI, IKUO 2,936,313
TSUKAGOSHI, YUKI 2,982,088
TTI (MACAO COMMERCIAL OFFSHORE) LIMITED 2,964,599
TUBITAK 2,977,170
TUERECI, OEZLEM 2,750,985
TUFTS, LINDSEY 2,940,518
TULLIS, RICHARD H. 3,061,952
TUNDAL, ULF 2,921,895
TURNING POINT THERAPEUTICS, INC. 2,936,079
TURPAULT, MATHIEU 3,061,665
TURUNEN, SAMI 2,986,655
TYME, INC. 2,927,980
UBBY, JOHAN 2,945,680
UBER TECHNOLOGIES, INC. 3,005,147
UCB BIOPHARMA SRL 2,932,057
UCHINO, TOORU 3,097,680
UECKER, JAMES LEE 3,066,619
UMICORE 2,956,874
UNDERKOFLER, ABRAHAM M. 2,955,226
UNILEVER GLOBAL IP LIMITED 2,908,914
UNION WINNER INTERNATIONAL CO., LTD. 3,059,392
UNITED CONVERTING S.R.L. 3,013,543
UNITED PARCEL SERVICE OF AMERICA, INC. 2,905,338
UNITED STATES GYPSUM COMPANY 2,925,619
UNITED-AH II, LLC 2,892,762
UNIVERSIDADE FEDERAL DO RIO DE JANEIRO - UFRJ 3,100,772
UNIVERSITAET BASEL 2,944,697
UNIVERSITE CATHOLIQUE DE LOUVAIN 2,999,413
UNIVERSITE DE MONTREAL 2,970,012
UNIVERSITY OF IOWA RESEARCH FOUNDATION 2,878,401
UNIVERSITY OF OTAGO 3,047,920
UNIVERSITY OF STRATHCLYDE 2,767,292
UNSPAM, LLC 3,069,088
UOP LLC 3,085,790
UPM-KYMMENE CORPORATION 2,986,655
URCIA, JOSEPH ROBY IRINGAN 3,066,561
URIARTE, RICHARD J. 2,901,132
URNOV, FYODOR 2,854,819
USG INTERIORS, LLC 2,955,226
UTSUNOMIYA, MASAMICHI 2,962,735
VAES, DRIES 3,044,289
VAIDYANATHAN, PRITI 2,967,952
VAISALA OYJ 2,955,112
VAKHARIA, OMAR J. 3,079,348
VALE S.A. 3,100,772
VALLI, GIOVANNI 2,947,654
VALOIS, JEAN-SEBASTIEN 3,005,147
VAN 'T WOUT, ANGELIQUE 2,908,921
VAN DE MARK, GREGORY D. 3,020,466
VAN DEN HEUVEL, DENNY JOHAN MARIJN 2,988,362
VAN FLEET, ERIC 3,114,046
VAN HECKE, EVELYNE JOHANNA LUTGARDE 3,044,289
VAN HEERDEN, LAUREN 2,910,663
VAN HERK, JOHN GERARD 3,099,317
VAN HOREBEEK, DAVID 2,956,874
VAN HOUTVIN, NATHALIE 2,932,057
VAN MECHELEN, DIRK 2,958,707
VAN PUTTEN, EIBERT, GERJAN 2,913,953
VAN TILBURG, RUBEN ALEXANDER 2,944,843
VAN'T SCHIP, JOHANNES STEFANUS 3,006,298
VANCLEAVE, JERRY 3,023,714
VANDA PHARMACEUTICALS INC. 2,893,542
VANDA PHARMACEUTICALS INC. 3,085,116
VANDERWORP, JAMES G. 3,085,134
VANDIVINIT, JEFF 2,948,223
VANHOUTTE, PETER 2,945,037
VANIER, FRANCIS 3,063,930
VARIA, KUNAL ARVIND 2,991,726
VARIPERM ENERGY SERVICES INC. 2,900,158
VARRIN, ROBERT D., JR. 2,906,698
VAULT PRESSURE CONTROL LLC 3,062,168
VDOVIN, OLEXANDR, VALENTYNOVYCH 2,913,953
VEDRINE, CHRISTOPHE 2,945,043
VEE, INGE ARILD 2,975,081
VELLA, SARAH J. 2,952,048
VENTANA MEDICAL SYSTEMS, INC. 3,117,744
VERASONICS, INC. 2,918,281
VERB SURGICAL INC. 3,066,527
VERB SURGICAL INC. 3,079,348
VERDERG LTD 2,943,700
VERHAGEN, PAUL 3,063,141
VERLEYE, MARC 2,931,162
VERNON, ZACHARY 3,139,835
VERRALL, STEPHEN MICHAEL 2,952,420
VERZWYVELT, DAVID 2,880,115
VESUVIUS U S A CORPORATION 2,951,607
VIAUX, IVAN 2,962,155
VIB VZW 2,937,058
VICKERS, TROY 2,895,209
VIDAL-SETIF, MARIE-HELENE 2,931,927
VIITANEN, VELI-PEKKA (DECEASED) 2,955,112
VIJAYARANGAN, NATARAJAN 2,887,428
VINKE, DANIEL 3,033,320
VINOCUR, BASIA JUDITH 2,809,384
VIRTANEN, SAMI 2,955,112
VLASIC, EDWARD 2,860,326
VOELKL, LOTHAR 2,985,293
VOGT, ALEXANDER 3,074,085
VOLEX CABLE ASSEMBLY (SHENZHEN) CO., LTD. 3,123,969
VON KAENEL, RENE 2,964,835
VON ZUR MUEHLEN, PATRICK ALEXANDER 2,969,696
VONDERSCHER, JACKY 3,140,325
VOR DEM ESCHE, RAINER 2,886,096
VOURNAKIS, JOHN N. 2,796,068
VOYER, NORMAND 2,890,582
VUCICA, YVONNE 2,889,785
W. L. GORE & ASSOCIATES, INC. 2,940,457
W. L. GORE & ASSOCIATES, INC. 3,030,781
W. L. GORE & ASSOCIATES, INC. 3,052,848
WABASH NATIONAL, L.P. 2,884,516
WABASH NATIONAL, L.P. 2,943,500
WADA, NAOFUMI 3,048,386
WADA, RYOJI 3,091,101
WADIA, JEHANGIR 2,908,921
WAGNER, DENNIS J. 3,073,591
WAKEFIELD, JOHN K. 3,069,867
WAKU, JEAN 2,954,106
WALIA, SARABJIT SINGH 2,981,261
WALKER, DAVID BRUCE 3,067,618
WALL, TIMOTHY 2,940,518
WALTER, KORDEN 2,750,985
WALTER, STEFANIE 2,877,163
WALTERS, KRISTOPHER J., JR. 2,947,142
WALTERS, MARC A. 2,947,142
WAN, XIANGJUN 2,956,287
WANDISCO, INC. 2,896,973
WANG, CHAO-JIH 3,020,774
WANG, HAN 3,083,540
WANG, JINGHONG 3,035,510
WANG, JUN 2,956,287
WANG, PHILLIP 3,007,190
WANG, QINYAN 2,890,606
WANG, YE-KUI 3,006,093
WANG, YI 2,904,374
WANG, YIPING 2,922,720
WANG, YUFENG 3,037,922
WANG, ZHANMIN 3,065,617
WANG, ZHENG 3,013,518
WARREN, GARY LEE 2,889,785

Index des brevets canadiens délivrés
19 juillet 2022

WATANABE, KEN 2,930,826
WATANABE, TAKASHI 3,048,386
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 3,007,123
WEBBER, ANDREW 3,081,973
WEBEL, STEPHEN KENT 2,892,762
WEBER, BENJAMIN 2,963,943
WECK, DAVID S. 3,078,459
WEEKS, MICHAEL R. 2,930,699
WEERS, JEFFRY 2,898,700
WEI, CHANGZHENG 3,061,808
WEIBY, MICHAEL 2,942,362
WEINERMAN, LEE 2,952,478
WEINHOUSE, MICHAEL I. 2,895,209
WEISS, ANTHONY STEVEN 2,920,312
WEISSENBERGER, MARKUS 3,065,043
WELCH, HUDSON 2,971,613
WELCH, MIKE 3,079,019
WELL STONE CO. 2,935,315
WENTLAND, WILLIAM LOUIS 2,906,012
WEST, ROBERT A. 2,493,950
WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION 2,895,308
WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION 3,015,655
WESTRIN, BENGT ARVID 2,966,714
WETHERELL, FRANKLIN C. 3,030,781
WEZENDONK, TIM A. 2,949,157
WHIDDEN, JEFFREY ALEXANDER 2,953,822
WHITE, DAVID J. 2,862,577
WHITEWAVE SERVICES, INC. 3,058,199
WHITMORE MANUFACTURING, LLC 2,894,931
WHOLEY, JOSEPH SKEFFINGTON, III 3,070,176
WICK, ENRICO 3,075,169
WICKENS, KRISTIN LEE 3,047,920
WIENHUES-THELEN, URSULA-HENRIKE 2,945,680
WIFVESSON, MONICA 3,070,876
WIGHT, JASON 3,025,545
WILLIAMS, DAVID J. 3,045,479
WILLIAMS, JIM 2,952,317
WILLIAMSON, ROBERT ANTHONY 2,908,921
WILLIS, SEAN LEO 2,922,961
WILSON, KYLE 2,894,931
WILSON, MARK E. 2,895,209
WILT, MICHAEL J. 2,874,329
WINFREE, TROY 3,003,513
WINSTON, CHARLES 3,073,064
WINTEC KOREA INC. 3,067,679
WITT, ERIK K. 3,061,665
WOBBEN PROPERTIES GMBH 2,878,993
WOBBEN PROPERTIES GMBH 3,033,320
WOELL, STEFAN 2,750,985
WOICEKOWSKI, MICHAEL J. 2,902,690
WOLFE, DOUGLAS K. 3,042,412
WOLFORD, JAMES BLAINE 3,075,108
WONG, KEVIN NELSON 2,867,887
WONG, WAI HANG 2,919,493
WONG, WAI P. 2,965,152
WONGSARNPIGOON, AMORN 3,014,965
WOOD, CHRISTOPHER H. 3,080,794
WOOD, LOCKETT E. 2,922,995
WOOD, MARK 2,865,412
WOODARD, STEVEN E. 3,020,691
WOODARD, STEVEN E. 3,049,886
WOODBURN, WILLIAM 3,006,134
WOODWELDING AG 2,950,472
WOULDHAVE, MATTHEW 2,941,173
WRIGHT, BEAU 3,078,235
WRIGHT, GRAHAM A. 2,899,522
WRIGHT, JOHN FRASER 2,827,375
WRIGHT, JOSHUA 2,945,471
WU, BIN 3,047,179
WU, GUOHUI 2,908,914
WU, HAOZHENG 3,065,617
WU, JIN 2,974,046
WU, XIAOWEI 2,856,430
WUBBEN, ANTONIUS LEONARDUS MARIA 2,953,415
WUBBEN, ANTONIUS LEONARDUS MARIA 2,956,239
WUELLNER, TROND THOMAS 2,889,933
WYLEZINSKI, ANDRZEJ 2,884,516
WYPER, STEPHANE 3,045,801
XANADU QUANTUM TECHNOLOGIES INC. 3,139,835
XENEX DISINFECTION SERVICES INC. 3,075,108
XEROX CORPORATION 2,952,048
XEROX CORPORATION 2,974,046
XEROX CORPORATION 3,077,032
XI'AN UNIVERSITY OF TECHNOLOGY 3,065,617
XIAO, YAWEI 3,150,392
XU, HUI 2,898,228
XU, XIANMIN 2,984,328
XU, YINGQING 3,078,235
XU, ZHANPING 3,085,790
XU, ZHIYUE 3,078,235
YAGHOOBZADEH, YADOLLAH 3,033,859
YAHATA, HIDETAKA 3,109,344
YAJOURI, MOHANAD 2,867,887
YAMADA, MASAMI 2,946,519
YAMAMOTO, MAKIKO 2,909,305
YAMAMOTO, YASUHIKO 3,085,284
YAN, YING 3,061,808
YANG, JIANMING 3,047,042
YANG, LING 3,013,518
YANG, LING 3,013,520
YANG, MINJUN 3,047,042
YASUDA, GOKI 3,048,386
YEARSLEY, JOSEPH ELLIOT 3,102,174
YEE, BRIAN K. 2,874,329
YEE, EDGAR 2,937,247
YEH, AI-LING 3,020,774
YERKES, CARLA N. 2,898,356
YI, DONGRONG 3,083,540
YI, JIGAO 3,045,358
YILMAZ, UGURHAN 2,911,201
YIN, HAIFENG 2,904,374
YIRAVA, WILLIAM A. 3,011,336
YOKOSAKA, SHINYA 3,014,421
YONG, RICHARD 2,995,594
YOO, JIN-SAN 3,079,652
YORK, MICHAEL 2,947,204
YOSHINO GYPSUM CO., LTD. 2,930,826
YU, HAORAN 3,079,348
YU, PEIWEN 2,946,416
YU, TE-SHU 3,070,971
YUAN MEI CORP. 3,081,021
YUAN, DAJUN 3,065,027
YUEN, JASON A. 2,867,887
YUILLE, SAMANTHA 3,066,561
YULE, ROBERT CAMPBELL 2,998,099
YUM, KUNIL 3,032,798
ZANON, MARIO 2,946,448
ZANTOUT, ALAN E. 2,942,362
ZAPCOW INC. 3,126,288
ZAPF, JAMES 2,895,209
ZASYPKIN, DMITRIY 3,008,636
ZAUGG, CHRISTIAN 2,945,680
ZAYNULIN, DMITRIY 2,933,603
ZEIDAN, TAREK A. 3,035,442
ZELENAIA, OLGA 2,827,375
ZEON, YOUNG L. 3,004,036
ZHAI, DAYONG 2,936,079
ZHAN, JIN 3,075,169
ZHANG, CHUNCHUN 2,929,283
ZHANG, HONG LIANG 2,943,155
ZHANG, JUN 2,949,852
ZHANG, LEI 2,854,819
ZHANG, LI 3,035,587
ZHANG, LUTING 3,075,113
ZHANG, YI 3,058,553
ZHANG, YIXIANG 3,041,220
ZHANG, YONGLIANG 3,047,042
ZHANG, ZHI 3,055,628
ZHANG, ZHI 3,075,196
ZHAO, BORAN 3,061,808
ZHAO, CHANGCHUN 3,123,969
ZHAO, JING 2,982,393
ZHAO, RUI 3,013,518
ZHAO, RUI 3,013,520
ZHEJIANG CHINT ELECTRICS CO., LTD. 2,956,287
ZHONG, GUANGHUA 2,982,393
ZHOU, HAIJIN 2,888,573
ZHOU, JINMING 3,083,540
ZHOU, JUN 3,047,042
ZHOU, JUNYANG 2,982,196
ZHOU, RENBIN 3,079,348
ZHOU, YILONG 3,013,518
ZHOU, YILONG 3,013,520
ZHU, ZHAONING 2,932,057
ZHUANG, HANWEI 2,888,573
ZIEGLER, JACK 2,973,243
ZIGELMAN, GIL 2,908,279
ZIJSLING, DJURRE HANS 2,953,415
ZILLMANN, KARL-HEINZ 2,963,943
ZIMMER, TODD 2,965,152
ZINO, ELIAHU 2,908,279
ZINOVIK, IHAR NIKOLAEVICH 2,937,717

ZIOBRO, RICHARD
(DECEASED) 2,949,852
ZLOTKIN, AMIR 3,075,772
ZOLD, MICHAEL DAVID 3,092,665
ZOLLER, PATRICK W. 2,947,142
ZOMOK, ROBERT 3,053,694
ZRUNA, DALIMIL 2,970,390
ZRUNA, MARTIN 2,970,390
ZUERCHER, ADRIAN 2,866,634
ZUMDOME, LEE E. 2,831,041
ZWAYER, JAKE BRADLEY 3,066,619

Index of Canadian Applications Open to Public Inspection

July 3, 2022 to July 9, 2022

Index des demandes canadiennes mises à la disponibilité du public

3 juillet 2022 au 9 juillet 2022

ABL IP HOLDING LLC 3,111,267
ACHARD, PAUL 3,113,789
AIRBUS HELICOPTERS 3,156,437
ALARCON, LAURENT 3,143,441
ALASKA NATIVE TRIBAL HEALTH CONSORTIUM 3,135,465
ALAWWAD, GAITH 3,144,409
ALBERTSEN, JEFFREY 3,144,678
ALLINK CO., LTD. 3,139,210
ALSHEGHRI, AHMAD ABO 3,104,941
ANANCALL LIMITED 3,144,860
ANDERSON, KENT D. 3,106,225
BALLIU, ARNOLD 3,144,757
BALTON, CHRISTOPHER S. 3,143,162
BEER, JOSHUA M. 3,143,791
BEER, JOSHUA M. 3,143,807
BELL, KATHLEEN 3,105,105
BENNETT, GROVER ANDREW 3,144,931
BENNETT, GROVER ANDREW 3,144,933
BENNINGTON, JOHN 3,144,703
BERNATCHEZ, GABRIEL 3,144,670
BERNATCHEZ, GABRIEL 3,144,862
BERRY, BRET MICHAEL 3,144,661
BLAKE, DALLAS J. 3,145,188
BLANCO GMBH & CO. KG 3,142,018
BOONE, THOMAS JAMES 3,156,254
BOUCHER, JEAN-SIMON 3,140,465
BROUWERS, CRAIG 3,143,807
BROWN, KELLY JO 3,144,757
BRUNEAU, PAUL 3,144,862
BRUNEAU, PAUL 3,144,863
BRUNEAU, PAUL 3,144,866
BRUNEAU, SAMUEL 3,113,789
BRUNEAU, SAMUEL 3,144,862
BRUNEAU, SAMUEL 3,144,863
BRUNEAU, SAMUEL 3,144,866
BRYANT, WILLIAM J. 3,145,180
BUCHWITZ, JAMES H. 3,145,180
BUCHWITZ, JAMES H. 3,145,188
BULCHANDANI, ANEESHA SURESH 3,117,306
BULCHANDANI, ANEESHA SURESH 3,117,365
BULCHANDANI, ANEESHA SURESH 3,117,372
BULLWINKEL, WILLIAM H. 3,143,969
BUTLER, ANDREW 3,142,690
CAMEL ADV PRODUCTS LTD 3,105,085
CAPITAL ONE SERVICES, LLC 3,144,757
CARCANO, ANDREA 3,141,043
CARULLO, MORENO 3,141,043
CASTELL, DEREK RICHARD 3,105,077
CASTELL, DEREK RICHARD 3,105,238
CASTELL, DEREK RICHARD 3,105,247
CAVALLARO CORTI, ALESSANDRO 3,141,043
CHACKSFIELD, SIMON 3,142,167
CHANG, ERIC 3,111,267
CHEN, YANG 3,142,750
CHRISTIAN, DAVID W. 3,144,937
CIER, SEAN P. 3,142,154
CIRIK, ALI CAGATAY 3,145,261
CLAYTON, JAMES L. 3,136,258
COMCAST CABLE COMMUNICATIONS, LLC 3,144,023
COMCAST CABLE COMMUNICATIONS, LLC 3,144,679
COMCAST CABLE COMMUNICATIONS, LLC 3,145,261
CORSO, DAN 3,144,039
COVIDIEN LP 3,140,335
CRAIG, NATALIE 3,102,799
DARKVISION TECHNOLOGIES INC 3,143,180
DAVEY, JOSHUA 3,139,153
DAWSON, MITCHELL DAVID 3,142,154
DE LA PENA, CHRISTIAN CABEROY 3,107,279
DE LA PENA, CHRISTIAN CABEROY 3,117,306
DE LA PENA, CHRISTIAN CABEROY 3,117,365
DE LA PENA, CHRISTIAN CABEROY 3,117,372
DEERE & COMPANY 3,138,295
DEICHMANN, STEFAN 3,144,023
DEICHMANN, STEFAN 3,144,679
DELTA LOCK COMPANY, LLC 3,143,969
DINAN, ESMAEL HEJAZI 3,145,261
DISTECH CONTROLS INC. 3,140,465
DITSCHUN, ART 3,104,979
DOEPKER, CAMERON D. 3,144,744
DRANKA, OKSANA 3,107,279
DUFENDACH, JON 3,135,465
DUNJIC, MILOS 3,105,077
DUNJIC, MILOS 3,105,238
DUNJIC, MILOS 3,105,247
DVINSKI, IGOR 3,105,426
EBERL, PETER 3,106,225
EBERL, ROLF 3,106,225
ECKER, JEFFREY AARON 3,105,077
ECKER, JEFFREY AARON 3,105,238
ECKER, JEFFREY AARON 3,105,247
ESTILL, JIM 3,114,630
FADLE, HATIM 3,143,441
FAFARD, MARC-ANDRE 3,113,789
FEARS, BRETT A. 3,143,607
FEENEY, STEPHEN A. 3,144,835
FIFE, MATTHEW EARL 3,144,708
FJ DYNAMICS CO., LTD. 3,144,404
FOX, MICHAEL 3,104,979
GAGNON, MARC-OLIVIER 3,144,670
GAUSEN, ERIC L. 3,145,188
GENERAL ELECTRIC COMPANY 3,144,931
GENERAL ELECTRIC COMPANY 3,144,933
GENZ, JASON 3,143,791
GENZ, JASON 3,143,807
GERVAIS, FRANCOIS 3,140,465
GIBSON, JON ERIC 3,111,267
GIDARA ENERGY B.V. 3,143,844
GLEESON, BRYAN MICHAEL 3,105,077
GLEESON, BRYAN MICHAEL 3,105,238
GLEESON, BRYAN MICHAEL 3,105,247
GOEL, AVISHEK 3,143,844
GOSNELL, MICHAEL JAMES 3,107,279
GRADIENT THERMAL INC. 3,144,744
GRAHAM, ANDREW CRISPIN 3,144,931
GRAHAM, ANDREW CRISPIN 3,144,933
GRAHAM, WILLIAM DOUGLAS 3,138,295
GREEN, ERIC M. 3,144,599
GUDIMETLA, CHANDRA SUDHAKAR 3,138,135
GUIMOND, SCOTT 3,139,655
HAJEK, ANDREAS 3,142,018
HANDLEY, TIMOTHY 3,104,979
HANSON, CORY 3,105,085
HANSON, REED A. 3,145,188
HANSON, SHANE 3,144,703
HATCHER, JUSTIN C. 3,136,258
HEDLUND, DARREN J. 3,145,180
HEDLUND, DARREN J. 3,145,188
HEDLUND, MICHAEL A. 3,144,937
HEILONGJIANG ZHONGXING MACHINERY EQUIPMENT CO. 3,105,064
HERGART, CARL ANDERS 3,143,162
HEUSSER, ROLF 3,142,160
HOSODA, NODOKA 3,138,493
HUANG, JOCELYN 3,144,757
HUGGINS, TERENCE 3,105,421
HUI, YUJIE 3,105,064
HUNG, FAN HIN 3,136,258
HUNG, FAN HIN 3,142,750
IDELL, PAUL S. 3,136,258
INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,144,749
ISHII, HARUKA 3,138,493
JANDER, RALPH BRIAN 3,143,437
JODHA, GUNPAL 3,144,816
KANG, SING BING 3,142,154

Index of Canadian Applications Open to Public Inspection
July 3, 2022 to July 9, 2022

KEEN, WILLIAM DALE 3,144,892
KENTUCKIANA CURB COMPANY, INC. 3,144,892
KERSEY, MICHAEL 3,144,676
KHALLAGI, SIAVASH 3,143,180
KHOSLA, DEEPAK 3,136,258
KHOSLA, DEEPAK 3,142,750
KIM, KYUNG DONG 3,139,210
KOFSTAD, CODY S. 3,144,937
KOLLER, DOMINIK 3,141,064
KUMAR, GUNJIT 3,144,039
KUTER-ARNEBECK, OTTOLEO 3,143,798
LEACH, WILLIAM K. 3,142,750
LEACH, WILLIAM KENTAROU KANEKO 3,136,258
LECLERC, STEPHEN PAUL 3,144,931
LECLERC, STEPHEN PAUL 3,144,933
LENTINE, TEK 3,144,429
LEVEEN, LINDSAY 3,144,748
LIANG, JINYANG 3,144,749
LIAW-MORRIS, PETER 3,142,690
LIBERTY, ROSS 3,145,180
LIEBERMANN, KENT 3,143,682
LIU, JINGDAN 3,144,749
LUDWIG, ROBERT 3,143,969
LY, ARIANNE 3,105,422
LY, NHAT SANG 3,105,422
MA, ALVIN 3,143,969
MAEDER, THOMAS 3,144,361
MAHMOUD, ANAS 3,143,180
MALOTT, DALE G. 3,144,409
MANKE, TIMOTHY 3,143,607
MARQETA, INC. 3,105,807
MART, ROBERT 3,144,678
MCCORD, ROSS 3,104,979
MCSWEYN, CHRISTOPHER MICHAEL 3,109,976
MEADE, WILLIAM D. 3,144,361
MEYER, GEORGE 3,104,936
MIN, RUI 3,144,023
MIN, RUI 3,144,679
MOGHADDAM, ELYAS M. 3,143,844
MOHAMMADI, ALIREZA 3,143,844
MONTECILLO, AMIEL 3,105,807
MONTGELARD, MICHEL 3,140,878
MORISON, ANGUS M. 3,145,180
MOTAMEDHASHEMI, MIRMOHAMMADYOUSEF 3,144,748
MOULON, PIERRE 3,142,154
MUDANUR, ANAND 3,138,295
MUTCHNIK, MICHAEL 3,105,426
NAKASHIMA, TOYOKAZU 3,138,493
NAYGEBOREN, DANIEL 3,106,225
NEAVE, STEPHEN 3,139,655
NEIL, TYLER AUSTIN 3,105,105
NGUYEN, ANTHONY HAITUYEN 3,105,077
NGUYEN, ANTHONY HAITUYEN 3,105,238
NGUYEN, ANTHONY HAITUYEN 3,105,247
NGUYEN, LEON 3,136,258
NGUYEN, LEON 3,142,750
NIMBALKAR, ANANT DNYANOBA 3,138,295
NISHTALA, VASU 3,144,678
NOZOMI NETWORKS SAGL 3,141,043
NUCOR CORPORATION 3,144,748
OLIVER CRISPIN ROBOTICS LIMITED 3,144,931
OLIVER CRISPIN ROBOTICS LIMITED 3,144,933
OLVERA, EDUARDO 3,143,839
OSBURN, DANIEL 3,105,807
OVIVO INC. 3,144,942
PACCAR INC 3,143,162
PARKER, THOMAS W. 3,144,429
PARNIS, STEVEN 3,144,678
PATTEN, SHUNMOOGUM A. 3,144,749
PAWAR, PRAVIN 3,138,295
PETRESCU, BOGDAN 3,107,279
PIRCON, JOHN B. 3,144,937
POITRAS, CRAIG 3,151,294
POLARIS INDUSTIRES INC. 3,145,188
POLARIS INDUSTRIES INC. 3,144,599
POLARIS INDUSTRIES INC. 3,144,937
POLARIS INDUSTRIES INC. 3,145,180
POWELL, TIMOTHY 3,105,807
POZGAY, DAVID S. 3,144,429
PRATT & WHITNEY CANADA CORP. 3,144,868
PREMA MOHANASUNDARAM, SURESH KUMAR 3,140,335
PROMIX SOLUTIONS AG 3,142,160
PRUSAK, MATTHEW J. 3,144,937
QUEST MEDICAL, INC. 3,144,678
QUOC LE, BRYAN 3,142,690
RAIMUND BECK NAGELTECHNIK GMBH 3,143,532
RAJZER, MICHAEL T. 3,143,807
RAMEN MARKETING CORP. 3,118,112
RAMIREZ, JORGE RAFAEL LOZADA 3,143,162
REDFERN, DARREN 3,114,630
REDMOND, JAMES 3,139,655
REMESAT, DARIUS 3,105,221
REYNOLDS, JORDAN SCOTT 3,144,892
RODRIGUEZ, MIGUEL 3,143,437
RODRIQUEZ, JOHN 3,144,703
ROSS, COLTON 3,145,180
ROYTBLAT, IGAL 3,144,860
RUET, LAURENT 3,156,437
RUSSELL NDE SYSTEMS INC. 3,142,261
RUSSELL, DAVID E. 3,142,261
SABRAW, MARIEL 3,144,023
SAGEMCOM BROADBAND SAS 3,143,441
SAKHUJA, RIDHIMA 3,107,279
SALFER, LUCAS R. 3,145,180
SALFER, LUCAS R. 3,145,188
SALLA, JATIN 3,105,807
SCARFUTTI, JOSEPH VINCENT 3,107,279
SCARFUTTI, JOSEPH VINCENT 3,117,306
SCARFUTTI, JOSEPH VINCENT 3,117,365
SCARFUTTI, JOSEPH VINCENT 3,117,372
SCHLUMMER, CHRISTIAN 3,142,160
SCHNEIDER ELECTRIC SYSTEMS USA, INC. 3,139,655
SCHROEDER, MATTHEW 3,113,789
SCHULTZ, ROGER L. 3,143,607
SCOSCHE INDUSTRIES, INC. 3,109,976
SEB S.A. 3,140,878
SG TECHNICAL SYSTEMS LTD 3,142,167
SHEN, YUEJUAN 3,121,093
SHEN, YUEJUAN 3,127,322
SHIPPERBEE, INC. 3,114,630
SHOPIFY INC. 3,139,153
SIEMERS, STEFAN 3,143,532
SIMPLEHUMAN, LLC 3,144,932
SMITH, HADEN H. 3,142,750
SMITH, MIKE RICHARD JOHN 3,105,202
SNAP-ON INCORPORATED 3,143,791
SNAP-ON INCORPORATED 3,143,798
SNAP-ON INCORPORATED 3,143,807
SNODGRASS, MICHAEL JOHN 3,144,942
SOBIN, ZACKERY 3,139,655
SOKOL, JERRY A. 3,144,860
ST HILAIRE, CURT 3,104,834
STENLUND, TIMOTHY W. 3,144,937
STERRITT, RYAN 3,144,039
STOCK, JACOB L. 3,144,937
SUBCOM, LLC 3,143,437
SUN, ANNIE 3,105,221
SUNCOR ENERGY INC. 3,105,221
SUPERIOR INDUSTRIES, INC. 3,144,703
T.J. BOONE GEOTECHNICAL AND RESERVOIR CONSULTING LTD. 3,156,254
TAGGART, MICHAEL JAMES 3,105,105
TAIGA MOTORS INC. 3,113,789
TAIGA MOTORS INC. 3,144,670
TAIGA MOTORS INC. 3,144,862
TAIGA MOTORS INC. 3,144,863
TAIGA MOTORS INC. 3,144,866
TAX, DAVID SAMUEL 3,105,077
TAX, DAVID SAMUEL 3,105,238
TAX, DAVID SAMUEL 3,105,247
TECHTRONIC CORDLESS GP 3,143,839
THE BOEING COMPANY 3,136,258
THE BOEING COMPANY 3,138,135
THE BOEING COMPANY 3,142,750
THE BOEING COMPANY 3,144,361
THE BOEING COMPANY 3,144,708
THE GREAT STATES CORPORATION 3,144,676
THE HILLMAN GROUP, INC. 3,144,409
THE TORONTO-DOMINION BANK 3,105,077
THE TORONTO-DOMINION BANK 3,105,105
THE TORONTO-DOMINION BANK 3,105,238
THE TORONTO-DOMINION BANK 3,105,247

THE TORONTO-DOMINION BANK 3,107,279
THE TORONTO-DOMINION BANK 3,117,306
THE TORONTO-DOMINION BANK 3,117,365
THE TORONTO-DOMINION BANK 3,117,372
THROCKMORTON, RYAN WALTER 3,144,708
THRU TUBING SOLUTIONS, INC. 3,143,607
TOPOROV, DOBRIN 3,143,844
TOYOTA JIDOSHA KABUSHIKI KAISHA 3,138,493
TRIHEY, SEAN M. 3,145,180
TRIVEDI, DEEPAK 3,144,931
TRIVEDI, DEEPAK 3,144,933
TRUE, BRAD 3,144,748
UNITECH SERVICES GROUP, INC. 3,106,225
VADDI, JYANI S. 3,144,361
VAN DER ZANDE, CHRIS 3,143,844
VAN DER ZANDE, WIM 3,143,844
W.C. BRADLEY CO. 3,144,039
WACHSMAN, DAVID R. 3,143,969
WANG, HONGCHENG 3,144,023
WANG, HONGCHENG 3,144,679
WANG, XI 3,144,868
WARD, THOMAS H. 3,144,039
WARREN, JOHN 3,135,465
WATSON, BROCK W. 3,143,607
WAYLAND, SCOTT LAWRENCE 3,144,039
WEBB, CYNTHIA CHAFFIN 3,143,162
WEIR, NICHOLAS H. 3,143,798
WERNER CO. 3,144,429
WILLA, CHRISTOPH 3,142,160
WITTY, CRAIG 3,144,676
WONG, RYAN 3,144,932
WRONKO, MIKAYLA DALE 3,107,279
WU, DI 3,144,404
YAMAMOTO, KAZUYO 3,138,493
YAN, SHENGMIN 3,105,064
YANG, FRANK 3,144,932
YANG, GEIFEI 3,144,679
YANG, YIFAN 3,136,258
YI, YUNJUNG 3,145,261
YOSHIDA, HIROSHI 3,118,112
ZHANG, PAUL 3,145,072
ZHANG, SHANSHAN 3,105,064
ZHANG, XIN 3,105,064
ZHEJIANG IWISS ELECTRIC CO., LTD. 3,121,093
ZHEJIANG IWISS ELECTRIC CO., LTD. 3,127,322
ZHOU, HUA 3,145,261
ZHOU, QI 3,144,404
ZHOU, TING 3,107,279
ZHUJI ITOP HARDWARE TOOLS CO., LTD. 3,121,093
ZHUJI ITOP HARDWARE TOOLS CO., LTD. 3,127,322
ZILLOW, INC. 3,142,154
ZIMNEY, DEREK D. 3,145,180

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

1 LESS GMBH 3,164,118
10353744 CANADA LTD. 3,164,079
10353744 CANADA LTD. 3,164,081
10X GENOMICS, INC. 3,158,603
3D BIO-TISSUES LIMITED 3,163,956
3F BIO LTD 3,163,964
4WEB, INC. 3,158,456
AASBERG-PETERSEN, KIM 3,163,633
AASBERG-PETERSEN, KIM 3,163,634
AASBERG-PETERSEN, KIM 3,163,636
AASBERG-PETERSEN, KIM 3,163,744
AASBERG-PETERSEN, KIM 3,163,748
ABDELSAMIE, AHMED 3,158,443
ABLYNX NV 3,163,764
ABLYNX NV 3,163,877
ABLYNX NV 3,163,910
ACKERMANN, KURT 3,163,641
ACTELION PHARMACEUTICALS LTD 3,158,468
ADAMS, RICHARD 3,159,022
ADDLAGATTA, ANTHONY 3,158,840
ADUSUMILLI, PRASAD S. 3,163,872
AIMONE, CHRISTOPHER ALLEN 3,163,729
AIR DESIGN, S.A. DE C.V. 3,163,830
AL-BANNA, AYHAM 3,158,584
AL-BANNA, AYHAM 3,158,595
AL-QAISI, MUHAMMAD K. 3,158,687
ALBEMARLE CORPORATION 3,163,719
ALBERT, ARDEN 3,158,547
ALCON INC. 3,158,550
ALCON INC. 3,158,687
ALCON INC. 3,158,689
ALECTOR LLC 3,158,565
ALESCO S.R.L. 3,163,668
ALESSANDRO, MARIANI 3,163,666
ALEYSA, MOHAMMADSHAYESH 3,158,466
ALFONSO GALLEGO, FERNANDO 3,164,135
ALGAHTANI, MOHAMMAD MANSOUR S. 3,158,464
ALHAIMI, ABDULRAHMAN 3,164,074
ALIBHAI, IMRAN 3,163,745
ALIZADEH-MEGHRAZI, MILAD 3,163,627
ALL-CLAD METALCRAFTERS, L.L.C. 3,158,684
ALLAN, NICHOLAS DAVID 3,164,125
ALLARD, RANDALL 3,163,696
ALLFLEX USA INC. 3,163,685
ALLOIN, QUENTIN 3,163,945
ALVAREZ PEREZ, BEATRIZ 3,163,992
ALVES COURTES, ALINE 3,164,091
AMATORE, CHRISTIAN 3,158,663
AMGEN INC. 3,164,129
AMIR, BRUNO 3,158,581
AMYNA SYSTEMS INC. 3,164,102
ANAKURIA THERAPEUTICS, INC. 3,163,680
ANGSTMANN, STEVEN 3,163,720
ANGSTMANN, STEVEN 3,163,721
ANSETH, JAY WILLIAM 3,163,679
ANSETH, JAY WILLIAM 3,163,699
ANTONIC, VOJISLAV 3,159,022
ANTUNES SOARES, FELIX ALEXANDRE 3,164,091
ANTYSHEVA, ZOIA 3,163,904
ANUCELL BIOSYSTEMS LIMITED 3,164,030
APPIANI, SANTIAGO 3,163,886
APPIANI, SANTIAGO 3,163,892
APPLIED MEDICAL RESOURCES CORPORATION 3,163,998
ARBOR BIOTECHNOLOGIES, INC. 3,163,741
ARCELORMITTAL 3,163,982
ARCELORMITTAL 3,164,036
ARKEMA FRANCE 3,158,245
ARLISS, CODY MAC 3,163,870
ARNDT, JUSTIN JAMES 3,163,732
ARRIS ENTERPRISES LLC 3,158,465
ARRIS ENTERPRISES LLC 3,158,584
ARRIS ENTERPRISES LLC 3,158,587
ARRIS ENTERPRISES LLC 3,158,588
ARRIS ENTERPRISES LLC 3,158,595
ASBRAND, CHRISTIAN 3,163,877
ASHVATTHA THERAPEUTICS, INC. 3,163,886
ASHVATTHA THERAPEUTICS, INC. 3,163,889
ASHVATTHA THERAPEUTICS, INC. 3,163,892
ASPNES, GARY E. 3,163,979
ASTEX PHARMACEUTICALS, INC. 3,158,442
ASTRAVEUS 3,164,127
ATOTECH DEUTSCHLAND GMBH & CO. KG 3,158,576
AUPEPIN DE LAMOTHE-DREUZY, EDOUARD 3,164,055
AUTRY, CHRISTOPHER PATRICK 3,163,962
AVALOS SARTORIO, CARLOS JOSE 3,163,830
AVALOS SARTORIO, MIGUEL JOSE 3,163,830
AVANT MEATS COMPANY LIMITED 3,163,651
AVANT MEATS COMPANY LIMITED 3,163,662
AVANT MEATS COMPANY LIMITED 3,163,663
AXOSIM, INC. 3,158,455
BACH, SVEN 3,163,975
BACHELOR, ROD 3,163,836
BACKFOLK, KAJ 3,163,672
BACKFOLK, KAJ 3,163,801
BADIEI, HAMID 3,164,074
BAEK, SEUNGWOO 3,164,057
BAGLEY, SCOTT W. 3,163,979
BAKER HUGHES OILFIELD OPERATIONS LLC 3,158,426
BAKER, LOGAN A. 3,164,099
BAKER, MARTIN 3,158,556
BALAGUER VIDAL, FERRAN 3,163,992
BALANI, POOJA 3,163,891
BALLADARES VARELA, EDUARDO 3,158,562
BALMFORTH, PETER KENNETH 3,163,681
BALTIMORE AIRCOIL COMPANY, INC. 3,163,716
BANKS AND ACQUIRERS INTERNATIONAL HOLDING 3,163,728
BARAK, NAOMI 3,164,112
BARBAS CANERO, RAFAEL 3,164,093
BARITO, ADAM 3,163,742
BARRENA CASTILLO, MARTA 3,163,992
BARZAGA-FERNANDEZ, PEDRO GILBERTO 3,164,100
BASECAMP VASCULAR 3,163,638
BASELL POLYOLEFINE GMBH 3,158,666
BASF CORPORATION 3,158,563
BASF SE 3,158,553
BASF SE 3,163,631
BASFORD, ERIC CHRISTOPHER 3,163,725
BASNETT, ANDREW FRANCIS 3,163,682
BASNETT, ROBERT J. 3,163,682
BATHULA, SURENDAR REDDY 3,158,840
BAUCHE, CECILE 3,158,561
BAUM, MARC M. 3,158,651
BAXTER HEALTHCARE SA 3,164,096
BAXTER INTERNATIONAL INC. 3,164,096
BAYER AKTIENGESELLSCHAFT 3,164,112
BAYLOR COLLEGE OF MEDICINE 3,163,745
BE GREEN PACKAGING CO., LTD. 3,158,449
BEAUPRE, RICHARD 3,163,873

Index des demandes PCT entrant en phase nationale

BECTON, DICKINSON AND COMPANY 3,158,420
BEDARD, NORMAN 3,158,695
BEHNKE, PAUL WALTER 3,163,870
BELLINI, CLEMENT 3,158,564
BENCI, JOSEPH L. 3,158,532
BENDER, AARON M. 3,163,933
BENDER, AARON M. 3,164,099
BENDIX COMMERCIAL VEHICLE SYSTEMS LLC 3,163,784
BENNETT, JEREMY F. 3,163,836
BENNETT, ROBERT ROSS 3,164,108
BERDUGO, GAD 3,158,646
BERDUGO, GAD 3,158,692
BERECIARTUA-PEREZ, ARANZAZU 3,163,631
BERG, MAX 3,163,921
BERGER, MICHAEL 3,164,098
BERGER, MICHAEL 3,164,104
BERLINER, SHLOMO AVRAHAM 3,164,067
BERRY GLOBAL, INC. 3,164,032
BEYOND LEATHER MATERIALS APS 3,163,928
BHARDWAJ, JASON VENKAT 3,163,746
BIDLACK, FELICITAS 3,163,891
BIERMANN, ERIC 3,158,446
BIJLSMA, JOHANNA JACOBA ELISABETH 3,158,539
BINDER, TODD MERRILL 3,163,732
BIOPOLIS, S.L. 3,163,992
BIOTROM LIMITED 3,158,591
BIRO, ELLIOT 3,163,982
BISHOP, PHILIPPE 3,158,561
BLANCHARD, CARINE 3,163,781
BLOOM, DANIEL A. 3,164,032
BLUE SOLUTIONS 3,160,766
BLUEBEAM, INC. 3,158,569
BLUMENFELD, CARL M. 3,158,694
BMIC LLC 3,158,473
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,163,635
BOEHME, THOMAS 3,164,136
BOEMER, ULF 3,164,112
BOFILL HERRERA, LIDIA 3,164,093
BOGGIANO AYO, TAMMY 3,163,630
BOHM, BENJAMIN 3,158,453
BOHM, BENJAMIN 3,158,699
BOLLINGER, BENJAMIN R. 3,158,586
BOLLINGER, KATRINA A. 3,164,099
BONAVENTURA, RUSSELL J. 3,163,881
BOREALIS AG 3,158,467
BORGSTROM, ERIK LEONARD HENRIK 3,158,603
BORODINAS, VIKTORAS 3,158,443
BORTOLIN, STEFANO 3,163,665
BOSCHEINEN, OLIVER 3,164,136
BOSTIK SA 3,158,564
BOSTONGENE CORPORATION 3,163,904
BOTHA, MARIUS CHRISTO 3,164,148
BOUDREAU, JR., FRANK J. 3,163,927
BOURDEAU, JEREMI 3,163,884
BOUREZG, ZOUAOUI 3,164,096
BOWEN, JOHN S. 3,158,586
BOWIE, JASON 3,163,725
BOWMAN, JOSH 3,163,996
BOWMAN, MATTHEW A. 3,158,435
BRADIC, ALEKSANDAR 3,159,022
BRADSHAW, BRENDEN JACKSON 3,158,443
BRANTZEG, DAVID M. 3,158,586
BRAY, MARK R. 3,163,796
BRENNEMAN, RODNEY 3,163,681
BRIDGES, THOMAS M. 3,164,099
BRIDON, DOMINIQUE 3,158,646
BRIDON, DOMINIQUE 3,158,692
BRIGE, ANN 3,163,764
BRIGE, ANN 3,163,877
BRIGE, ANN 3,163,910
BRIGHTPLUS OY 3,163,648
BRILLI, ELISA 3,163,668
BRISTOL-MYERS SQUIBB COMPANY 3,158,532
BRITO, WELANDAGOTHRIGE RAKITHA 3,163,671
BRITZ-MCKIBBIN, PHILIP 3,164,043
BRODSKY, MELISSA 3,163,998
BROLIS SENSOR TECHNOLOGY, UAB 3,163,879
BROSS, BENJAMIN 3,163,771
BROWN, ADAM JAMES 3,163,682
BROWN, ARTHUR 3,158,582
BROWN, CHAD D 3,163,925
BRUNO, WOLFFENBUTTEL CARLOTO 3,163,666
BRUNTY, JEREMY 3,158,547
BRUSE, SHANNON 3,164,050
BRYAN, ZACHARY JACOB 3,163,890
BUCHGRABER, PHILIPP 3,164,112
BUCIUNAS, TADAS 3,163,879
BUCKINGHAM, STEPHEN 3,164,133
BUFALINI, MARIO JR. 3,158,685
BURGER, BRANDON 3,163,996
BURKE, DAN 3,158,596
BUTHION, ANNE SCHLESSELMAN 3,163,788
BUUS BENDIXEN, FLEMMING 3,163,748
CABERG, THEODORUS JOHANNES VIRGINIA 3,158,589
CAJES, BRIAN 3,164,050
CAMARERO DIEZ, ROBERTO 3,164,135
CAMERON, LAUREN ELIZABETH 3,164,116
CAMSO INC. 3,163,884
CAMSO INC. 3,163,887
CAO, SHANGWEN 3,158,523
CAREW, CHRISTOPHER A. 3,163,894
CARLSSON, PER-OLA 3,163,915
CARMODY, CAMERON N. 3,158,456
CARTER, TREVER R. 3,164,099
CARTWRIGHT, MATTHEW WILLIAM 3,164,056
CASEY, MEGHAN 3,163,876
CASSOL, GUSTAVO 3,164,091
CASTILLO VITLOCH, ADOLFO 3,163,630
CAZENEUVE, JEAN-BAPTISTE 3,163,638
CECCAROLI, STEFANO 3,164,086
CEDARS-SINAI MEDICAL CENTER 3,164,125
CEDENO ARIAS, MERCEDES 3,163,630
CEDERBLAD, LARS 3,163,915
CENTER FOR INTELLIGENT RESEARCH IN CRYSTAL ENGINEERING, S.L. 3,164,093
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,158,208
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,158,451
CENTRO DE INMUNOLOGIA MOLECULAR 3,163,630
CENTRO DE INVESTIGACION Y DESARROLLO DE MEDICAMENTOS CIDEM 3,164,091
CENTRO DE INVESTIGACION Y DESARROLLO DE MEDICAMENTOS CIDEM 3,164,100
CHA, MINKWON 3,164,047
CHA, SUN HO 3,164,057
CHAGRAOUI, JALILA 3,164,153
CHAHINE, TONY 3,163,627
CHAN, KAI YI CARRIE 3,163,651
CHAN, KAI YI CARRIE 3,163,662
CHAN, KAI YI CARRIE 3,163,663
CHANG, KAIHSIN 3,164,055
CHANG, KENNETH CHI-PING 3,163,738
CHARI, SANTHANA 3,158,587
CHARRIS-HERNANDEZ, AMANDA 3,163,682
CHASTAIN, DAVID 3,163,746
CHATZIVASILEIOU, ALKIVIADIS ORFEFS 3,163,686
CHEADLE, JOHN 3,163,871
CHEIM, LUIZ 3,163,919
CHEMISCHE FABRIK BUDENHEIM KG 3,163,975
CHEN, ERIC YE 3,163,727
CHEN, JAMES 3,163,779
CHEN, JUN 3,158,424
CHEN, QIONG 3,158,592
CHEN, TZU-HUNG 3,163,576
CHEN, YANQING 3,164,066
CHEN, YINGZHONG 3,158,577
CHEN, ZHI 3,163,706
CHENG, CHIH-MIN 3,163,890
CHENG, DAVID R. 3,163,741
CHENOLL CUADROS, EMPAR 3,163,992
CHEONG, YEUNG SHUN 3,161,950
CHIN, PO SAN MARIO 3,163,651
CHIN, PO SAN MARIO 3,163,662
CHIN, PO SAN MARIO 3,163,663
CHINA PETROLEUM & CHEMICAL CORPORATION 3,163,628
CHINA PETROLEUM & CHEMICAL CORPORATION 3,163,629

Index of PCT Applications Entering the National Phase

CHINA UNIVERSITY OF MINING AND TECHNOLOGY 3,163,844
CHIRIAC, VICTOR ADRIAN 3,164,035
CHIU, CECILIA P.C. 3,163,950
CHOI, BYOUNGSAN 3,164,047
CHOONG, NICHOLAS 3,164,124
CHRIKI, RONEN 3,163,674
CHRISTEN, RENE 3,163,641
CHRISTIANSEN, ALEXANDER BECSEI 3,163,926
CHRISTINZIO, ALEXANDER 3,158,547
CHUN, CHANGJU 3,164,047
CHUPAK, LOUIS S. 3,158,532
CIPO 3,158,546
CLARIANT INTERNATIONAL LTD 3,163,755
CLARIANT INTERNATIONAL LTD 3,163,773
CLARIANT INTERNATIONAL LTD 3,163,775
CLARK, WESLEY DEWITT 3,163,979
CLEAR IP LLC 3,158,463
CLELAND, JEFFREY 3,163,886
CLELAND, JEFFREY 3,163,889
CLELAND, JEFFREY 3,163,892
CLERMONT, BERNARD 3,163,906
CLOONAN, THOMAS J. 3,158,584
CLOONAN, THOMAS J. 3,158,595
COLLINS, ROY T. 3,158,586
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION 3,158,433
CONAIR LLC 3,161,950
CONAIR LLC 3,161,951
CONN, P. JEFFREY 3,163,933
CONN, P. JEFFREY 3,164,099
CONNELLY, RICKKI LEE 3,164,088
CONNON, CHE JOHN 3,163,956
CONSTANTIN, ALEXANDRA ELENA 3,163,691
CONTRERAS GALLARDO, JUAN MANUEL 3,163,631
COOLBROOK OY 3,163,958
COOPERSURGICAL, INC. 3,163,723
CORBAN, STEPHEN ROBERT 3,163,922
CORNELIS, SIGRID 3,163,764
CORNELIS, SIGRID 3,163,877
CORNELIS, SIGRID 3,163,910
CORNELL, DONALD F. 3,158,706
CORTI, ANGELO 3,158,422
COTE, JOCELYN 3,158,580
COTE, KATIE 3,163,952
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH 3,158,840
COWER, BILL RAY 3,163,724
COX, ROBERT 3,158,423
CRANE, MITCHELL LEE 3,158,452
CRINETICS PHARMACEUTICALS, INC. 3,164,117
CRITICAL OUTCOME TECHNOLOGIES INC. 3,158,582
CROSS, ERIN 3,164,113
CROWE, DAVID 3,163,911
CRYOSHELTER GMBH 3,158,688
CSONKA, DENES 3,158,468
CUI, JINGRONG J. 3,163,735
CUI, ZONGWANG 3,158,577
CURLEY, LOWRY 3,158,455
CURNIS, FLAVIO 3,158,422
CURRAN, KIERAN 3,164,030
CURTO, JOHN M. 3,163,979
CUTRI, CRISTINA 3,163,952
CWALINA, NICOLE 3,163,996
DACOSTA, ALBERT 3,163,696
DAGA, ANDREW W. 3,163,907
DAI, DAVID 3,163,880
DAIRE, XAVIER 3,158,208
DAL PONT, MORENO 3,158,570
DALVI, PRANJALI 3,158,579
DALY, JOHN 3,164,030
DAMAE MEDICAL 3,163,791
DANG, KEVIN 3,158,579
DANSTAR FERMENT AG 3,163,901
DANTARI, INC. 3,158,694
DAO, TUAN 3,163,836
DARBLADE, BENOIT 3,158,208
DARBONNE, WALTER CHRISTIAN 3,163,950
DARMO, RALPH 3,163,836
DARNE, CHETAN P. 3,158,532
DAS, JAYANTA K. 3,158,464
DAS, SAZOL KUMAR 3,164,133
DASCH, KYLE DAVID 3,164,133
DASGUPTA, BIRESHWAR 3,158,532
DAUMAS, FREDERIC 3,158,663
DAVIDSON, ANDREA CAROLINA 3,164,049
DAVIS, CRAIG TAYLOR 3,163,725
DAVIS, JESSE LAWRENCE 3,163,890
DAVIS, SAMUEL 3,163,876
DE ACHAVAL, SOFIA 3,163,745
DE GROOT, ANNE 3,158,646
DE GROOT, ANNE S. 3,158,692
DE RIJK, FRANK RONALD JOHANNES 3,158,446
DE SANDE LOPEZ, DAFNE 3,164,093
DE VEIJ MESTDAGH, CHRISTINA FRANCOISE 3,164,071
DE WITTE, TIM 3,163,887
DEAN, NICOLE L. 3,163,687
DEERE AND COMPANY 3,163,922
DEFLORIAN, STEFANO 3,158,554
DEGREEF, THOMAS RUDI S. 3,164,086
DEL COL, DAVIDE 3,163,665
DELFIN, KAREN LIZETH 3,158,566
DEMAUDE, THIERRY 3,164,088
DENG, WEI 3,163,735
DENKA COMPANY LIMITED 3,164,070
DENTSPLY DETREY GMBH 3,163,947
DENTSPLY SIRONA INC. 3,163,947
DEPOILLY, CHRISTOPHE 3,163,750
DESCHAMPS, MARC 3,160,766
DETNET SOUTH AFRICA (PTY) LTD 3,164,148
DEUTSCHES KREBSFORSCHUNGSZENTRUM 3,164,112
DEVAN, FRANCESCA ANN 3,164,056
DEVASCONCELLOS, PAUL 3,163,696
DEXCOM, INC. 3,163,691
DHAMANKAR, SHVETA VINAYAK 3,163,922
DICKERSON, JONATHAN W. 3,164,099
DIDIER, CHARLES M. 3,158,455
DIEMER, WIJNAND EDUARD 3,158,446
DIGITAL DIABETES ANALYTICS SWEDEN AB 3,163,915
DILLON, JIM 3,163,896
DILLON, MICHAEL ANDREW 3,163,950
DING, MIN 3,158,532
DING, SHIDONG 3,163,629
DING, YOUSONG 3,164,039
DITOMMASO, TIA M. 3,163,741
DOLAN, WILLIAM B. 3,158,563
DOLBERG, KRISTOFOR DYCK 3,164,125
DOLENTE, COSIMO 3,158,541
DOLGOTER, ALEKSANDR 3,163,732
DOMBRECHT, BRUNO 3,163,910
DONG, LIUYU 3,163,779
DOUGLASS, KEITH 3,163,725
DOUPLIK, ALEXANDRE 3,163,914
DP HOLDING (UK) LIMITED 3,163,681
DRILLET, JOSEE 3,164,036
DRLIK, MARK SASHA 3,164,125
DU BREUIL, THOMAS L. 3,158,588
DUARTE HARTMANN, DIANE 3,164,091
DUBIEF, FLAVIEN FLORENT 3,163,883
DUBIEF, FLAVIEN FLORENT 3,164,086
DUPLAGA, URSZULA 3,158,564
DUPONT, CAROLINE 3,164,096
DURST, TONY 3,158,582
E INK CORPORATION 3,163,679
E INK CORPORATION 3,163,699
EASSON, ALEXANDRA M. 3,163,914
ECHAZARRA HUGUET, JONE 3,163,631
ECHOLS-BOOTH, MARCUS 3,163,688
EDELMAN, GODFRIED GYSBRECHT 3,163,627
EDITAS MEDICINE, INC. 3,164,055
EDMONDS, DAVID JAMES 3,163,979
EENIGENBURG, TREVOR 3,163,905
EERS GLOBAL TECHNOLOGIES INC. 3,163,762
EGEN, JACKSON 3,164,129
EGGERS, TILL 3,163,631
EISAI R&D MANAGEMENT CO., LTD. 3,164,056
EL-ANDALOUSSI, SAMIR 3,158,437
EL-TAHLAWY, KHALED 3,163,739
ELICITYL 3,158,208
ELIGO BIOSCIENCE 3,164,131
ELOVAINIO, ERNO 3,158,467
EMERA TECHNOLOGIES LLC 3,164,108
EMMENDORFER, MICHAEL J. 3,158,595
EMPIRICO INC. 3,164,050
ENEL X S.R.L. 3,163,683
ENGERS, JULIE L. 3,164,099
ENRIQUE LOPEZ, MARIA 3,163,992

Index des demandes PCT entrant en phase nationale

EPIVAX THERAPEUTICS, INC. 3,158,646
EPIVAX THERAPEUTICS, INC. 3,158,692
ERB, KLAUS 3,163,910
ERBACH, LAURA 3,163,975
ESAU, CHRISTINE 3,163,911
ESCALIER, THIBAULT 3,163,643
ESMAILI, GHAZALEH R. 3,163,691
ESMAILIAN, MARKARIT 3,163,688
ESPES, DANIEL 3,163,915
ESQUIUS-SERRA, MARC 3,158,453
ESQUIUS-SERRA, MARC 3,158,699
ESSILOR INTERNATIONAL 3,158,581
ETCHEPARE, PIERRE-LUC 3,163,750
EVANS, JOHN THOMAS 3,163,922
EVBOX INTELLIGENCE B.V 3,158,446
EVERTON, BRADLEY 3,163,893
EVOX THERAPEUTICS LTD 3,158,437
EWART, GARY 3,158,591
EXTRACT MANAGEMENT COMPANY, LLC 3,158,452
EZZAT, KARIEM 3,158,437
F. HOFFMAN-LA ROCHE AG 3,163,646
F. HOFFMAN-LA ROCHE AG 3,164,000
F. HOFFMANN-LA ROCHE AG 3,158,541
F. HOFFMANN-LA ROCHE AG 3,163,921
F. HOFFMANN-LA ROCHE AG 3,164,000
FAN, XIAOHU 3,163,794
FAN, XING 3,164,166
FANG, LEI 3,158,426
FANG, SUQIONG 3,158,592
FANG, WEIJIA 3,158,481
FANG, XU 3,163,794
FARES, WASSIM 3,158,468
FARINA GONCALVES, DEBORA 3,164,091
FASSBENDER, BIRGIT 3,163,975
FATHI, ALI 3,158,905
FAVRE, GILLES 3,158,663
FEENER, EDWARD PAUL 3,163,960
FELDI S.R.L. 3,158,707
FENGER, PER 3,163,926
FERNANDEZ GARCIA, JAVIER 3,163,953
FERNANDEZ RODRIGUEZ, JESUS 3,164,131
FERNANDEZ SAEZ, OLGA LIDEA 3,163,630
FERRARO, BERNADETTE 3,163,732
FERRER, DANIEL 3,163,891
FIFE, JOHN MICHAEL 3,163,683
FISARA, PETR 3,163,644
FISHER, EYAL 3,164,067
FISHER, STEVE 3,161,013
FLAHERTY, J. CHRISTOPHER 3,163,996
FLANAGAN, MARK E. 3,163,979
FLECK, MICHAEL 3,158,435
FLETCHER, GRAHAM 3,163,796
FLEURY, AMANDA 3,163,729
FLOCHLAY-SIGOGNAULT, ANNIE 3,163,644
FLORIAN, PETER 3,163,764
FOKT, IZABELA 3,163,635
FOLLICA, INC. 3,163,746
FORSYTH DENTAL INFIRMARY FOR CHILDREN 3,163,891
FORTIER, SIMON 3,164,153
FOSTER, EDWARD L. 3,163,719
FRANGINEAS, GEORGE JR. 3,158,589
FRANK, MARY J. 3,164,132
FRANKLIN, MATTHEW 3,163,876
FRANKLIN, RICHARD JEREMY 3,164,088
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,158,466
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,163,771
FREIRE ROYES, LUIZ FERNANDO 3,164,091
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,163,697
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,163,724
FREUND, SEBASTIAN W. 3,158,586
FREYER, CARSTEN 3,164,034
FRIESE, COREY 3,163,952
FUNG, MICHELLE H 3,163,925
FUTATSUGI, KENTARO 3,163,979
FUTTERER, THOMAS 3,163,975
GAD, HIKAL KHAIRY SHOHDY 3,163,631
GAGGL, MARKUS 3,163,882
GAJALAKSHMI, SINGURU 3,158,840
GALLAGHER, BILLY 3,163,720
GALLAGHER, BILLY 3,163,721
GALLAGHER, BOBBY 3,163,720
GALLAGHER, BOBBY 3,163,721
GALSTER, GARET K. 3,158,418
GALVAN, MONICA 3,158,666
GALVITA, VLADIMIR 3,164,082
GALVITA, VLADIMIR 3,164,107
GANDER, EDWARD J. 3,163,907
GANEY, TIMOTHY 3,158,456
GANNEX PHARMA CO., LTD. 3,163,779
GAO, YUAN 3,164,078
GARCES, FERNANDO 3,164,129
GARCIA MARTINEZ, DAVID 3,163,975
GARCIA, ALEJANDRO SALVADOR 3,163,692
GARCIA, RUBEN 3,158,554
GAROFALO, ROSEMARY MICHELLE 3,163,723
GARRIDO SUAREZ, BARBARA BEATRIZ 3,164,100
GE RENEWABLE TECHNOLOGIES 3,163,945
GEN-PROBE INCORPORATED 3,163,936
GENENTECH, INC. 3,163,950
GENEVANT SCIENCES GMBH 3,163,911
GENOTECH CORP. 3,164,057
GENTLES, ROBERT G. 3,158,532
GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC. 3,158,423
GERAUD, REMI 3,163,728
GERKE, BIRGIT 3,158,553
GERKEN, MANFRED 3,164,136
GERLICH, ADRIAN PIOTR 3,163,982
GEVECI, MERT 3,158,586
GHINATTI, GIULIA 3,164,127
GHITTI, MICHELA 3,158,422
GIARDINO TORCHIA, MARIA LETIZIA 3,164,042
GIFT, STEVEN DANIEL 3,164,032
GILBRETH, RYAN 3,164,042
GILCHREST, ALAN 3,163,717
GILL, SEAN 3,163,696
GINKGO BIOWORKS, INC. 3,163,686
GIRARD, SIMON 3,164,153
GIUST, ENZO 3,163,665
GIVAUDAN SA 3,163,935
GLOBAL COOLING TECHNOLOGY GROUP, LLC 3,164,035
GLOCK TECHNOLOGY GMBH 3,163,898
GLOCK TECHNOLOGY GMBH 3,163,903
GLOCK TECHNOLOGY GMBH 3,164,058
GLOCK TECHNOLOGY GMBH 3,164,061
GLOCK TECHNOLOGY GMBH 3,164,062
GLOTIN, MICHEL 3,158,245
GLYNN, MACDARA 3,164,030
GORASIA, JAYESH BHARAT 3,158,596
GORI, ALESSANDRO 3,158,422
GORI, JENNIFER LEAH 3,164,055
GOTTESMAN, OMRI 3,164,050
GOUVEIA, RICARDO 3,163,956
GRANDY, DREW ALEXANDER 3,161,013
GREENLEAF, WALTER JOHN 3,163,729
GRIETENS, JOCHEM DAVID 3,164,086
GRIFFIN, JOHN PAUL 3,164,030
GRIFFITH, DAVID ANDREW 3,163,979
GRIFFITH, OLGA 3,163,742
GROLL, WILLIAM A. 3,158,684
GRUNDFOS HOLDING A/S 3,163,748
GRUNENFELDER, DENISE 3,158,532
GUILLAUME, RENAUD 3,163,945
GUITTON, WILLIAM 3,158,224
GULLBRAND, SARAH E. 3,158,602
GUO, HAIFENG 3,164,052
GUO, ZHENGWEN 3,158,577
GUPTA, KAPIL 3,164,125
GUY, ENDRICK 3,163,901
HAAST, SASKIA JACOBA PETRONELLA 3,158,528
HAAVISTO, VALTTERI 3,158,590
HADZIC, ADMIR 3,163,648
HALDOR TOPSOE A/S 3,163,636
HALDOR TOPSOE A/S 3,163,744
HALDOR TOPSOE A/S 3,163,748
HALL, ADRIAN 3,163,688
HALL, KEITH A. 3,158,471
HALPERT, ANDREW 3,163,896
HAMMANN, BLAKE 3,163,992
HAMZEH, NIJAD 3,163,767

Index of PCT Applications Entering the National Phase

HAN, CHANGHO 3,163,933
HAN, CHANGHO 3,164,099
HAN, SANGDON 3,164,117
HANG, JIN 3,164,079
HANKS, WILLIAM TURNER 3,158,595
HANNEMANN, CHRISTOPHER ROBERT 3,163,691
HARRINGTON, KIMBERLY 3,163,897
HARRIS, KENTON 3,158,596
HARTSON, KYLE 3,163,696
HASEYAMA, TODD N. 3,163,691
HASLETT, GREGORY WILLIAM 3,163,920
HASLETT, GREGORY WILLIAM 3,164,088
HAUSKINS, COLLIN 3,163,897
HAWE, ANDREA 3,163,626
HAWLEY, ROBERT G. 3,158,557
HAWTHORN, ANDREW 3,158,426
HE, FENG 3,164,166
HE, XUESONG 3,163,891
HEASLEY, BRIAN H. 3,158,600
HEATH, JACK 3,164,055
HEER, JAG PAUL 3,163,783
HEER, JAG PAUL 3,163,920
HEER, JAG PAUL 3,164,088
HEGEMAN, DAVID ELIAS 3,158,596
HEIMAN, ROBERT S. 3,158,588
HEIN, JASON ELLIS 3,163,923
HEISKANEN, ISTO 3,163,672
HELAN, NAGAHAGEDARA SANJAYA ROSHANA 3,163,671
HELIE, THOMAS 3,158,451
HELLE, PHILIPP 3,163,771
HELLRUP, JOEL 3,163,650
HELOIR, MARIE-CLAIRE 3,158,208
HENDRY, HENDRY 3,163,912
HENKEL AG & CO. KGAA 3,163,890
HENNING, ROBERT HENK 3,164,071
HERMANN, LUC 3,160,425
HERNANDEZ TERRERO, YAIKO SADDAN 3,163,630
HETTIKANKANM, HETTIKANKANAMGE DRUVI ARJUNA 3,163,671
HEWINGS, DAVID STEPHEN 3,158,541
HEYDEL, CHRISTOPHE SEBASTIEN PAUL 3,163,730
HEYES, JAMES 3,163,911
HEYNINCK, KAREN 3,163,764
HI-DOW IPHC, INC. 3,163,727
HIETALA, MAIJU 3,163,648
HILL, PATRICK STEPHEN 3,163,873
HILTI AKTIENGESELLSCHAFT 3,158,453
HILTI AKTIENGESELLSCHAFT 3,158,699
HILTI AKTIENGESELLSCHAFT 3,163,885
HINDERLITER, BRANDON 3,158,547
HINZ, TOBIAS 3,163,771
HIROSHIMA, TAKANORI 3,163,908
HIROTSU BIO SCIENCE INC. 3,163,902
HITACHI ENERGY SWITZERLAND AG 3,163,919
HITOTSUMACHI, HIROKO 3,158,442
HO, JIANN YI 3,163,678
HO, JOHN MIN 3,164,133
HOAGLAN, DEAN C. 3,158,566
HOFMANN, STEFAN 3,163,759
HOGAN, SARAH 3,163,871
HOLBER, WILLIAM 3,163,682
HOLLAND, RICHARD J. 3,163,911
HOLLISTER INCORPORATED 3,163,687
HOLVOET, SEBASTIEN 3,163,781
HONDA, KAZUMA 3,164,070
HONEYBROWN, MICHAEL ROBERT 3,161,013
HONG, SAEM 3,164,047
HONG, SANG YONG 3,158,593
HOOGEBOOM, TESS 3,158,528
HOOGKAMER, HANS 3,158,468
HORI, SAYAKA 3,158,421
HORII, TAKAAKI 3,164,056
HOSOKAWA YOKO CO., LTD. 3,164,040
HOVELMANN, FELIX 3,163,755
HOVELMANN, FELIX 3,163,773
HOVELMANN, FELIX 3,163,775
HRYCIW, TODD 3,158,582
HUAIBING, LUI 3,163,947
HUANG, HE 3,164,078
HUANG, LIHONG 3,164,052
HUANG, YANHUA 3,163,844
HUANG, YAZHONG 3,158,532
HUARD, KIM 3,163,979
HUAWEI TECHNOLOGIES CO., LTD. 3,158,424
HUDMAN, PAUL ANDREW 3,163,964
HUFFER, SCOTT WILLIAM 3,158,690
HUGHES TOOL COMPANY LLC 3,164,053
HUGHES, STEPHEN 3,164,113
HUGHES, WILLIAM JAMES 3,164,053
HULTH, NILS 3,163,772
HULTQVIST, MICHAEL 3,163,636
HUNDT, MATTHIAS 3,163,732
HUNT, JESSEE 3,158,456
HUNZIKER, DANIEL 3,158,541
HUTCHINS, CHRISTOPHER H. 3,163,784
HUYGHE, BRUNO 3,163,644
HYDROMECANIQUE ET FROTTEMENT 3,160,425
HYSON, REGINA 3,163,725
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI 3,158,423
ICHIJOH, TOSHIHARU 3,164,070
ICHIKAWA, TORU 3,164,040
ICHILOV TECH LTD. 3,164,067
IDEXX LABORATORIES, INC. 3,163,725
IIAGAN, ROGER 3,163,871
ILLUMESENSE INC. 3,163,688
ILUX ELECTRIC (CABLAGE KUMAR INC.) 3,163,753
IMAGO BIOSCIENCES, INC. 3,163,930
IMAIZUMI, YUKI 3,163,902
IMMUNOLUX INTERNATIONAL CORP. 3,164,122
INCYTE CORPORATION 3,163,875
INGAWALE, SACHIN SUBHASH 3,158,696
INQUBE SOLUTIONS (PRIVATE) LIMITED 3,163,671
INSTITUT DE RECHERCHE ET DE COORDINATION ACOUSTIQUE/MUSIQUE 3,158,451
INSTITUT DE SOUDURE 3,158,245
INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT 3,158,208
INSTITUTE OF BASIC MEDICAL SCIENCES CHINESE ACADEMY OF MEDICAL SCIENCES 3,163,934
INTERAXON INC. 3,163,729
INTERVET INTERNATIONAL B.V. 3,158,539
INTERVET INTERNATIONAL B.V. 3,163,644
INTERVET INTERNATIONAL B.V. 3,163,925
INTERVET INTERNATIONAL B.V. 3,163,951
INTERVET INTERNATIONAL B.V. 3,164,098
INTERVET INTERNATIONAL B.V. 3,164,104
INVENTIO AG 3,163,632
INXMED (NANJING) CO., LTD. 3,158,585
IORFINO, ANTHONY 3,158,469
IOTHIC LTD 3,163,962
IRON ORE COMPANY OF CANADA 3,163,767
ISAACSON, S. RAY 3,158,420
ISHIKAWA, YUICHI 3,164,041
ISRAEL AEROSPACE INDUSTRIES LTD. 3,157,860
ITO, GOICHI 3,158,421
ITT MANUFACTURING ENTERPRISES LLC 3,163,870
IVANOVSKI, ALEKSANDER 3,163,770
IWAO, KENJI 3,163,902
IXAKA FRANCE 3,158,561
IZDEBSKA, KATARZYNA 3,158,443
JACKSON, JASPER 3,164,031
JALAGAM, PRASADA RAO 3,158,532
JANGUM, ARUNA 3,158,840
JANSSEN BIOTECH, INC. 3,164,066
JAVANAINEN, TOMMI 3,163,993
JAYALAKSHMI, YALIA 3,158,471
JEBSEN, BORIS 3,164,118
JEN, JIMMY 3,163,738
JENSCARE SCIENTIFIC CO., LTD. 3,163,706
JENSEN INDUSTRIES INC. 3,158,706
JEPSON, LAUREN HRUBY 3,163,691
JI, RUNQING 3,163,844
JIANG, CHENGYU 3,163,934

JIANG, CHUFAN 3,163,922
JIANG, GUANGDE 3,164,039
JIANG, JUN 3,158,585
JIANGSU HENGRUI MEDICINE CO., LTD. 3,164,166
JIN, SHUHUA 3,163,890
JING, HONGWEN 3,163,844
JLABS BEAUTY LLC 3,163,788
JOHANSSON, ANDERS 3,163,650
JOHN COCKERILL DEFENSE SA 3,163,906
JOHNSON, AMY 3,163,876
JOHNSON, KELLY ERIN 3,163,692
JOHNSON, SCOTT V. 3,158,566
JPMORGAN CHASE BANK, N.A. 3,163,836
JSP INNOVATIONS LLC 3,161,954
JUN, YOONHO 3,158,706
JUNO THERAPEUTICS, INC. 3,163,897
KADULA, MARCIN 3,158,599
KADULA, WIESLAW 3,158,599
KAGEY, MICHAEL H. 3,158,661
KALASKAR, SHASHIKANT DATTATRAYA 3,163,697
KALVISTA PHARMACEUTICALS LIMITED 3,163,960
KAMAEV, PAVEL 3,163,699
KAMALAKANNAN, PRABAKARAN 3,158,696
KAMATH, APURV ULLAS 3,163,691
KAMBLE, MANJUNATHA NARAYANA RAO 3,158,532
KAMBOJ, RAJENDER KUMAR 3,158,696
KANG, ANDREA J. 3,163,576
KANG, DAEHOON 3,164,133
KANG, LI 3,163,890
KANG, SEONG WOO ANTHONY 3,163,680
KANGAS, RYAN 3,163,905
KAPLAN, HARGITA 3,158,471
KARACA, ERHAN 3,158,586
KARELIN, ANTON 3,163,904
KAUFFMAN, MATTHEW 3,159,936
KAUTSCH, DEWAINE 3,163,884
KAWATO, TATSUYA 3,164,041
KEER, HAROLD 3,158,442
KEILHAUER, EVA 3,163,626
KELKENBERG, DAVID G. 3,163,881
KELLINGHUSEN, MARTIN JUERGEN 3,164,125
KENNEPOHL, JOHANNES PIERRE 3,163,923
KENNON, ROBERT TERRY 3,158,566
KENNY, ENDA 3,163,626
KERGOURLAY, PHILIPPE 3,164,127
KERR, SAM 3,163,729
KETH, INGRID 3,163,921
KEY LIVING CORPORATION 3,164,038
KHAN, JAVED 3,158,557
KHAN, SHEHRYAR 3,163,982
KHOCHE, AJAY 3,158,677
KIFLE, DEJENE 3,163,931
KIM, AERYON 3,164,129
KIM, GARY WATSON 3,163,666
KIM, JAE JONG 3,164,057
KIM, SEUNG HWAN 3,163,912
KIM, SUN HEE 3,164,117
KINCAID, RYAN C. 3,158,478
KINETIC PRESSURE CONTROL LTD. 3,163,720
KINETIC PRESSURE CONTROL LTD. 3,163,721
KING, JASON 3,163,686
KINSTATE, INC. 3,158,704
KIRBY, JOSHUA 3,158,704
KIVELA, JOUNI 3,158,467
KLEIN, PHILIPPE 3,158,245
KLEIN, ROBERT 3,163,636
KLEIN, ROBERT 3,163,744
KLUKAS, CHRISTIAN 3,163,631
KOCHUMALAYIL, SHAJI GEORGE 3,158,696
KOCUR, JAN 3,158,469
KOEHLER, EMILY 3,163,998
KOESTLER, PATRICK J. 3,158,600
KOH, YOUNGIL 3,164,047
KOHRS, UWE 3,163,935
KOKKO, TAPIO 3,158,467
KONECRANES GLOBAL CORPORATION 3,158,410
KONTIO, ANTTI 3,158,410
KORCZYK, SEBASTIAN 3,158,599
KORCZYK, STANISLAW 3,158,599
KOTAMRAJU, SRIGIRIDHAR 3,158,840
KOTANI, TAKAYUKI 3,164,040
KOTLOV, NIKITA 3,163,904
KRAEMER, GERD 3,163,631
KREIJNE, BARRY CORNELLS GERARDUS 3,158,446
KREINBRINK, ANDREW 3,164,032
KREMEIER, STARK 3,158,452
KRENNING, GUIDO 3,164,071
KREUTZBERG, THOMAS 3,163,764
KRISTJAN, GUDMUNDSSON 3,163,779
KROMATID, INC. 3,164,113
KROSAKIHARIMA CORPORATION 3,158,450
KRULL, MATTHIAS 3,163,755
KRUMMENACHER, DANIELA 3,158,541
KULCZAR, CHRISTOPHER D 3,163,925
KULCZAR, CHRISTOPHER D. 3,163,951
KULKARNI, AMEET 3,163,739
KUMAR, RAJEEV 3,163,753
KUMAR, RAKESH 3,163,753
KUNDU, AVRA 3,158,455
KUVAJA, RAUNA-LEENA 3,163,648
KYRIANNIS, JAMES 3,164,102
KYRIANNIS, MIN 3,164,102
KYUNG, AYOUNG 3,164,057
LABRUNEE, MARC 3,158,663
LACORTE, ANDREA 3,163,668
LAFERTE, OLIVIER 3,158,564
LAHORGUE, KATHERINE ELIZABETH 3,163,978
LAI, KIN MAN 3,161,951
LAIRD, ROBERT JAMES TAYLOR 3,163,964
LAIRD, SEAN 3,163,720
LAIRD, SEAN 3,163,721
LALLEMAND, BENEDICTE 3,164,088
LAMM, ROBERT J. 3,158,694
LAMONTAGNE, PATRICK 3,158,695
LANDAETA, DAVID JAMES 3,163,782
LANDIS+GYR INNOVATIONS, INC. 3,163,684
LANDIS+GYR INNOVATIONS, INC. 3,163,927
LANDSCHOOT JR., PAUL MATTHEW 3,163,870
LANG, SEBASTIAN 3,158,576
LARSEN, KASPER EMIL 3,163,636
LARSEN, KASPER EMIL 3,163,744
LARSEN, KASPER EMIL 3,163,748
LASRADO, REUBEN E. 3,164,031
LAURENT, JEREMIE 3,164,127
LAUZIER, JONATHAN 3,163,884
LAWIT, SHAI 3,164,132
LAWRENCE, SHAWN 3,163,876
LEAP THERAPEUTICS, INC. 3,158,661
LEBRUN, TRISTAN 3,158,451
LECUYER, MARGAUD 3,160,766
LEE, BENHUR 3,158,423
LEE, BO MI 3,164,057
LEE, HONGWON 3,164,047
LEE, YUNSEO 3,164,047
LEEUW, THOMAS 3,163,764
LEHTO, TAAVI 3,158,437
LEININGER, SVEN 3,158,539
LEINWEBER, DIRK 3,163,755
LEINWEBER, DIRK 3,163,773
LEINWEBER, DIRK 3,163,775
LEIVO, JARKKO 3,163,648
LEMAITRE-GUILLIER, CHRISTELLE 3,158,208
LEON MONZON, KALET 3,163,630
LESKINEN, PAULI 3,158,467
LESSARD, PATRICK ROLAND 3,163,893
LEVIN, HOWARD R. 3,163,896
LEVIN, NAAMAH 3,163,674
LEVIN, YISHAI 3,164,067
LEWIS, AMRITHA BALAKRISHNAN 3,163,732
LEWIS, DAVID 3,164,050
LEWIS-MARSHALL, JOSEPH PETER 3,164,056
LG CHEM, LTD. 3,158,593
LG ELECTRONICS INC. 3,163,912
LI, ALICE 3,163,911
LI, CHUEN WAI 3,163,663
LI, JINMENG 3,158,449
LI, MIN 3,163,719
LI, NING 3,163,876
LI, RUYI 3,158,577
LI, XIANYAO 3,163,893
LI, XIAOYUN 3,163,934
LI, XUFA 3,158,592
LI, YONGJUN 3,163,951
LI, ZHIJUN 3,163,895
LIAN, YAJING 3,163,979
LIANG, MING 3,158,601
LIBAKKEN, ROLF 3,163,874

LIENAU, PHILIP 3,164,112
LIFELINE SYSTEMS COMPANY 3,164,092
LIFTRA IP APS 3,163,926
LIGHTBURN, BENJAMIN 3,163,795
LIM, JAEHYUN 3,163,912
LIM, SI-KYU 3,164,057
LIMBERAKIS, CHRIS 3,163,979
LIMBURG, BERND 3,163,921
LIN, WEIYU 3,163,950
LINDER, MICHAEL 3,164,098
LINDER, MICHAEL 3,164,104
LINDSLEY, CRAIG W. 3,163,933
LINDSLEY, CRAIG W. 3,164,099
LIPMAN, KELLEY J. 3,164,031
LITTERSCHEID, CHRISTIAN 3,163,975
LITWACK, ELLIE M. 3,163,716
LIU, JERRY JUNKAI 3,158,597
LIU, JIANBO 3,164,052
LIU, XIAODAN 3,163,628
LIU, XIAODAN 3,163,629
LIU, ZHIJIA 3,158,449
LIU, ZIPING 3,163,922
LIU, ZUJIAN 3,158,577
LIVEPERSON, INC. 3,163,717
LIVEPERSON, INC. 3,164,044
LLUSA MELENDEZ, GUIU 3,158,681
LOADHOG LIMITED 3,158,556
LOBACHINSKY, LILYA 3,163,674
LOGIC PALLET, LLC 3,164,033
LONDREGAN, ALLYN T. 3,163,979
LONG, HUA 3,158,565
LORENT, ERIC 3,163,764
LORENT, ERIC 3,163,877
LORENT, ERIC 3,163,910
LUEDTKE, PETER REX 3,163,692
LUIS, GUSTAVO RODRIGUES GONELLA 3,163,666
LUMBRERAS SANCHO, SARA 3,163,953
LUMUS LTD. 3,163,674
LUPIN LIMITED 3,158,696
LUQUE VERA, SERGIO 3,164,135
LUSCOMBE, CAROLYN 3,158,591
LUXOTTICA S.R.L. 3,158,570
LV, SHIWEN 3,163,706
LYFT, INC. 3,163,692
MA, CHUNLI 3,158,481
MA, GUANGJUN 3,163,628
MA, WEI-CHIU 3,158,597
MA, WEIBIN 3,164,052
MA, ZHANYUAN 3,163,844
MACCALLUM, KENNETH 3,164,125
MACDONALD, DETTWILER & ASSOCIATES INC. 3,161,013
MACHIDA, TAKUMITSU 3,158,442
MACKENZIE, SAMUEL THOMAS 3,163,729
MACPHERSON, JOHN 3,158,426
MACWAN, ANDREW 3,163,982
MADAJEWSKI, BRIAN 3,158,471
MADARA, SCOTT D. 3,158,435
MADDEN, JAMES 3,163,783
MADDEN, JAMES 3,164,088
MADHUSUDANA, KUNCHA 3,158,840
MAGAL, MYKHAILO 3,163,962
MAHESHWARI, PEEYUSH 3,164,116
MAIANO, CAMILLE 3,163,638
MAK, HUEY-MING 3,163,686
MALLMANN, STEFAN 3,163,975
MALTA INC. 3,158,586
MANIVASAGAM, SIVABALAN 3,158,601
MANNOORI, RAJU 3,158,532
MANSER, DANIEL ROLAND 3,163,883
MANUGE, DEREK JACK 3,164,038
MARANGONI, ALEJANDRO 3,164,048
MARBUT, MOLLY 3,163,998
MARCHESSEAU, STEPHANIE 3,163,953
MARIN, GUY 3,164,082
MARIN, GUY 3,164,107
MARIN, TUIRE 3,163,648
MARINIER, ANNE 3,164,153
MARKOVSKI, BOBBY 3,163,677
MARKUT, KARL 3,163,898
MARKUT, KARL 3,163,903
MARPE, DETLEV 3,163,771
MARTIN, ALAN D. 3,163,911
MARTIN, JOEL 3,163,876
MARTIN, SCOTT W. 3,158,532
MARTIN, WILLIAM D. 3,158,646
MARTIN, WILLIAM D. 3,158,692
MARTORELL GUEROLA, PATRICIA 3,163,992
MASCULO, FELIPE MAIA 3,164,092
MASON, JACQUELINE M. 3,163,796
MASTROGIACOMO, JAIMIE 3,163,876
MATE GMBH 3,163,759
MATHIOWETZ, ALAN M. 3,163,979
MATSUMOTO, SHIGEFUMI 3,158,450
MATTICE, KRISTIN 3,164,048
MATTINGLY, ELI 3,163,946
MATUTE, NATHALY ARRAIZ 3,163,729
MAUCH, ROBERT L. 3,158,602
MCBRIDE, JAMES P. 3,164,049
MCCABE, MARK 3,164,030
MCCAMMANT, MATTHEW S. 3,163,875
MCCOY, ROBERT 3,158,452
MCCREATH, BENJAMIN 3,158,603
MCCUTCHEN, DAVID J. 3,163,869
MCDONALD, IVAR M. 3,158,532
MCELHANY, DAVID 3,163,685
MCMAHON, FRANCIS J. 3,163,907
MCMASTER UNIVERSITY 3,164,043
MCQUAY, JAMES 3,164,074
MEDAROVA, ZDRAVKA 3,163,946
MEDIMMUNE, LLC 3,164,042
MEDO DX PTE. LTD 3,164,059
MEDSAVANA S.L. 3,163,953
MEIER, LOIC 3,163,887
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES 3,163,872
MEMORIAL SLOAN-KETTERING CANCER CENTER 3,163,872
MENG, BO 3,163,844
MENG, FANYU 3,164,081
MENGEL, SIEGFRIED 3,163,975
MERCK SHARP & DOHME B.V. 3,164,124
MERKLE, PHILIPP 3,163,771
MEROPY 3,158,224
MERRIGAN, DAVID 3,164,030
MESSINA, SALVATORE 3,163,887
METALLCONCEPT GMBH 3,163,736
METCALF, DOUGLAS G. 3,158,673
MEYER, TIELMAN CHRISTIAAN 3,164,148
MIASOJEDOVAS, ARUNAS 3,163,879
MICHAUD, HANNAH 3,163,928
MIIKKI, NINA 3,163,672
MILJAK, DAVID 3,158,433
MILLER, DAVID DARRELL 3,163,699
MILLER, MICHELLE 3,158,591
MISSEL, PAUL 3,158,550
MITCH, WILLIAM E. 3,163,745
MITSUBOSHI BELTING LTD. 3,163,908
MO, XIAOLONG 3,158,577
MODY, YASH 3,164,038
MOHANAN, ATHIRA 3,164,116
MOHANTY, BEDADIBHAS 3,158,578
MOHANTY, RASHMI RANJAN 3,164,133
MOHLER, KENDALL M. 3,163,732
MOISE, LEONARD 3,158,646
MOISE, LEONARD 3,158,692
MOMENTUM DYNAMICS CORPORATION 3,163,694
MOMENTUM DYNAMICS CORPORATION 3,163,907
MONCK, NATHANIEL JULIUS THOMAS 3,164,088
MONDELO RODRIGUEZ, ABEL 3,164,091
MONNAIE ROYALE CANADIENNE/ROYAL CANADIAN MINT 3,163,893
MONSARRAT-CHANON, HAMI 3,163,762
MONTEUX, VINCENT 3,160,425
MOODY, GORDON 3,164,042
MOORE, MICHAEL J. 3,158,455
MOREND, JOEL 3,163,883
MOREND, JOEL 3,164,086
MORIKAWA, KATSUMI 3,158,450
MORTENSEN, PETER MOLGAARD 3,163,633
MORTENSEN, PETER MOLGAARD 3,163,634
MORTENSEN, PETER MOLGAARD 3,163,636
MORTENSEN, PETER MOLGAARD 3,163,744
MORTENSEN, PETER MOLGAARD 3,163,748
MOSCHEL, SEBASTIAN 3,163,975
MOSS, JOHN A. 3,158,651
MOSS, RYAN 3,163,795
MOTT CORPORATION 3,163,873
MOURLANE, FREDERIC 3,158,561
MUELLER, HENRIK 3,163,646
MUI, JAMES JUN BON 3,164,056
MULLEN, JUSTINE 3,163,788

MULLER, ELMAR LENNOX 3,164,148
MULLER, NATHAN JOHN 3,164,125
MUMM, JOHN 3,164,042
MUMMAREDDI, PAVAN 3,163,836
MUNOZ-ELIAS, ERNESTO J. 3,164,066
MURARI, NISHIT 3,163,679
MURARI, NISHIT 3,163,699
MUSCO, GIOVANNA 3,158,422
MYANT INC. 3,163,627
NAIK, GIRISH SOMALA 3,158,661
NAIK, KUMAR RAM 3,158,696
NAIR, SANGEETHA VIJAYSRI 3,163,936
NAKAISHI, YUICHIRO 3,164,041
NAM, JUNG HAK 3,163,912
NANEXA AB 3,163,650
NANJING LEGEND BIOTECH CO., LTD. 3,163,794
NANOFLEX POWER CORPORATION 3,163,742
NARDELLI, FRANCESCA 3,158,422
NATURAL COMPUTATION LLC 3,163,782
NATURAL EXTRACTION SYSTEMS, LLC 3,158,673
NAVARRA-MESTRE, RAMON 3,163,631
NEELI, PRAVEEN KUMAR 3,158,840
NELSON, TRENT R. 3,158,418
NEODYNE BIOSCIENCES, INC. 3,164,031
NEUHAUS, KIRA 3,163,947
NEURA ROBOTICS GMBH 3,163,740
NEUVOGEN, INC. 3,163,732
NEWHALL, KATHERINE A. 3,158,445
NGUYEN, HIEU 3,158,455
NGUYEN, VIVIAN 3,163,735
NIANTIC, INC. 3,163,978
NIELSEN, CHARLOTTE STUB 3,163,633
NIELSEN, CHARLOTTE STUB 3,163,634
NIFO, VICTOR 3,161,013
NILSSON, BJORN 3,163,770
NILSSON, THOMAS 3,163,909
NING, ZHANGXUAN 3,163,844
NISHIHARA, SHIGEKI 3,164,041
NOBLE, ADAM J. 3,164,116
NOBLEGEN INC. 3,164,116
NOBLES, DOUGLAS J. 3,163,870
NOLTE, PATRICK 3,163,898
NOPTRACK 3,158,663
NORMAN, TIMOTHY JOHN 3,163,783
NORMAN, TIMOTHY JOHN 3,163,920
NORMAN, TIMOTHY JOHN 3,164,088
NORSK TITANIUM AS 3,164,110
NOVA SOUTHEASTERN UNIVERSITY 3,158,464
NOVELIS INC. 3,163,718
NOVELIS INC. 3,164,133
NOYES, PETER 3,158,569
NUNEZ FIGUEREDO, YANIER 3,164,091
NYFORS, KLAUS 3,158,467
NYLEN, OTTO 3,163,801
O'KEEFFE, FRANCIS JOSEPH 3,158,584
O'NEILL, DAVID JOHN 3,163,680
O'NEILL, JOHN JAMES 3,158,469
O'NEILL, PETER ANDREW 3,163,644
OAK CREST INSTITUTE OF SCIENCE 3,158,651
OBERST, RAINER 3,163,631
OCHOA RODRIGUEZ, ESTAEL 3,164,100
OEHRING, JARED 3,158,547
OGANESIAN, ARAM 3,158,442
OGIEN, JONAS 3,163,791
OGILVIE, ANDREW SCOTT 3,161,013
OHIO STATE INNOVATION FOUNDATION 3,158,460
OLSON, RICHARD E. 3,158,532
OMONTE, ARIEL AYAVIRI 3,163,989
ONCONANO MEDICINE, INC. 3,158,471
ONTARIO POWER GENERATION INC. 3,158,443
ONUMA, YOSUKE 3,163,935
ORBAN, MIRCEA 3,158,587
OSPEDALE SAN RAFFAELE S.R.L. 3,158,422
OTSUKA PHARMACEUTICAL CO., LTD. 3,164,041
OTTOSEN, SOREN 3,163,646
OWENS, AMANDA 3,164,133
OZELSAGIROGLU, MUSTAFA 3,163,868
PACHERIE, RACHEL 3,158,561
PADIYA, KAMLESH JYOTINDRA 3,158,696
PADRON YAQUIS, ALEJANDRO SAUL 3,164,091
PADRON-YAQUIS, ALEJANDRO SAUL 3,164,100
PAEK, SEUNG YUP 3,158,593
PAI, NIKHIL 3,164,043
PANEK, NATALIE 3,161,013
PAOLINI, RICHARD J., JR. 3,163,699
PAPU, CAROLINA 3,163,871
PARADA LUNA, FERNANDO ANTONIO 3,158,562
PARAGON 28, INC. 3,163,696
PARK, DEOK SEONG 3,158,593
PARK, IN KYUNG 3,164,057
PARK, JOHN 3,163,910
PARKER, BENJAMIN 3,158,596
PARKS, SCOTT W. 3,163,881
PARRA FIGUEROA, ROBERTO 3,158,562
PASETKA, CHRIS JUSTIN 3,163,911
PATEL, KRUPAL 3,158,596
PATEL, NEELIMA 3,164,044
PATEL, RAJAN 3,163,746
PAWAR, DHEERENDRA 3,158,453
PAWAR, DHEERENDRA 3,158,699
PEACH, MEGAN L. 3,158,557
PEETERS, MARC 3,163,777
PEIPPO, JUHA 3,158,410
PELCZER, SIMON 3,163,717
PENG, AIWEI 3,158,421
PERDOMI, GIANNI 3,158,666
PERENTES, ALEXANDRE 3,163,643
PERKINELMER HEALTH SCIENCES CANADA, INC. 3,164,074
PERTICARARI, SOFIA 3,160,766
PETER, ANDREAS 3,158,426
PETERS, VOLKER 3,158,426
PETTAZZONI, PIERGIORGIO FRANCESCO TOMMASO 3,158,541
PETTIGREW, JACQUELINE MJ 3,163,687
PFAFF, JONATHAN 3,163,771
PFEIFFER, JEFFREY S. 3,161,954
PFIZER INC. 3,163,979
PHALGAONKAR, SANKET PARSHURAM 3,163,692
PHARMUNION, LLC 3,164,046
PHILIPPE, AURELIEN 3,158,245
PHILLIPS, JOAN MARIE 3,164,132
PHILPS, OLIVER 3,163,783
PHILPS, OLIVER 3,163,920
PICKUS, SARAH KATE 3,163,691
PICON RUIZ, ARTZAI 3,163,631
PIETILA, MARK A. 3,163,905
PIMENTEL, MARK 3,164,125
PINDJUROV, RISTE 3,163,883
PIONEER HI-BRED INTERNATIONAL, INC. 3,164,132
PIOTROWSKI, DAVID WALTER 3,163,979
PIRES, ANDREW 3,158,596
PITT, WILLIAM ROSS 3,163,783
PITTSBURGH GLASS WORKS LLC 3,163,880
PLASMABILITY, LLC 3,163,682
PLEMPER, RICHARD 3,158,423
PODVENT, SEAN M. 3,159,022
POHLE, SVEN 3,163,947
POINSSOT, BENOIT 3,158,208
POON, CHUN HEI 3,163,651
POON, CHUN HEI 3,163,662
POPE, RYAN 3,163,998
POPKO, OLIMPIA 3,163,626
POSTOVALOVA, EKATERINA 3,163,904
POWAR, RAJENDRA GANPATI 3,158,696
POWELL, KENNETH G. 3,158,420
PRECIPOINT GMBH 3,158,479
PRICER AB 3,163,770
PRICER AB 3,163,772
PRIEBE, WALDEMAR 3,163,635
PRINCIOTTA, MICHAEL F. 3,158,646
PRINCIOTTA, MICHAEL F. 3,158,692
PRODAN, COLE 3,158,596
PRODEON MEDICAL CORPORATION 3,163,738
PROGRESS MASCHINEN & AUTOMATION AG 3,163,736
PROHENS LOPEZ, RAFEL 3,164,093
PROQR THERAPEUTICS II B.V. 3,158,528
PROSTKO, ROBERT 3,158,478
PROTEINA CO., LTD. 3,164,047
PROTEUM ENERGY, LLC 3,158,566
PSILO SCIENTIFIC LTD. 3,163,795
PUGACH-GORDON, MEGAN 3,163,891
PUGLIESE, ALEXANDRE 3,163,643
PUGNE, DARIN MICHAEL 3,164,032
PUNDOLE, FARAIDOON 3,158,432
PURDUE RESEARCH FOUNDATION 3,163,922
PUROLA, VELI MATTI 3,163,958
PURYK, CORWIN MARCUS 3,163,922

QIAN, KEWEI 3,163,893
QIN, YUHAO 3,163,934
QIU, XIN 3,158,465
RABBANI, PARISA 3,158,687
RAEDISCH, MARISA 3,164,136
RAHAMAN, HASIBUR 3,158,532
RAJA, THIRUVENKADAM 3,158,532
RAJARAMAN, SWAMINATHAN 3,158,455
RAJESH, BHAVANI SHANKAR 3,158,696
RAMANATHAN, THULASYA 3,163,928
RAMON VIDAL, DANIEL 3,163,992
RAMPALAKOS, KONSTANTINOS 3,164,088
RANKEN, LISA 3,163,795
RAPIER, CHARLES ROBERT 3,158,566
RASHIDA DE LA LUZ HERNANDEZ, KATHYA 3,163,630
RATHINAVELU, APPU 3,158,464
RAULS, MATTHIAS 3,158,553
RAYMOND, GUILLEMIN 3,158,224
REBERNIK, MATTHIAS 3,158,688
REDDIN, MARTIN 3,164,030
REDDY, KOTHA RATHNAKAR 3,158,532
REETEC AS 3,163,931
REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG 3,163,641
REGENERON PHARMACEUTICALS, INC. 3,163,876
REICHERT, INC. 3,163,881
REIZ, ROBERT 3,163,717
REN, HUGANG 3,158,687
RENERVA, LLC 3,163,996
REPRIEVE CARDIOVASCULAR, INC. 3,163,896
REYNOLDS, THOMAS 3,158,556
REZAIE, ALI 3,164,125
REZAPOUR, EHSAN 3,164,110
RICHARD, GUILHEM 3,158,646
RICHARD, GUILHEM 3,158,692
RICHARDS, ROBERT DONALD 3,164,038
RIEGER, MELANIE 3,163,910
RIENHOFF, HUGH 3,163,930
RIJKSUNIVERSITEIT GRONINGEN 3,164,071
RILEY, XAVIER 3,158,473
RINNOVISION INC. 3,158,695
RIVIERE, PHILIPPE 3,158,663
ROBINSON, LON 3,158,547
ROBINSON, RICH 3,158,473
ROCHE REBOLLO, ENRIQUE 3,158,681
RODIGUEZ, GABRIEL 3,163,686
RODRIGUEZ, VINCENT 3,163,998
ROGERS, EVAN W. 3,163,735
ROGOWSKI, ORI 3,164,067
ROHDE, WOLFGANG 3,158,553
ROMERO RODRIGUEZ, JAVIER 3,163,631
ROMMELAERE, HEIDI 3,163,764
ROMMELAERE, HEIDI 3,163,877
ROMMELAERE, HEIDI 3,163,910
RONEN, EITAN 3,163,674
ROOK, JERRI M. 3,164,099
ROOTH, MARTEN 3,163,650
ROQUETTE FRERES 3,158,421
ROSE PHARMA LLC 3,163,626
ROSENTHAL, ARNON 3,158,565
ROTARU, ANDREAS 3,163,717
ROTHBERG, JONATHAN 3,158,569
ROTHENBERG, ASHLEY RACHEL 3,158,420
ROUNTREE, COREY 3,158,455
ROUPANY, ANDREW JAMES AMIN 3,164,056
ROUSSELET, YOHANN LILIAN 3,163,716
ROUX, MITCHELL GLENN 3,164,133
ROWLEY, JULIAN HUGH 3,164,088
ROY, SAUMYA 3,158,532
ROZEMA, DAVID 3,164,050
RUBIO, MARTIN 3,158,546
RUGGERI, ROGER B. 3,163,979
RUMONDOR, ALFRED C. F. 3,163,951
RYAN, CAITRIONA 3,164,030
RYAN, JASON 3,164,030
RYERSON UNIVERSITY 3,163,914
RYU, JEOUNGHYUN 3,164,057
SABOURI, SOMAYCH 3,164,116
SACHDEV, TEJ 3,161,013
SAEYS, MARK 3,164,082
SAEYS, MARK 3,164,107
SAHA, DULAL CHANDRA 3,163,982
SAIAH, EDDINE 3,163,680
SAINT-GOBAIN ECOPHON AB 3,163,909
SALAZAR, SANTIAGO VIVEROS 3,158,565
SANDERS, STEPHEN W. 3,158,595
SANGAMO THERAPEUTICS, INC. 3,163,576
SANGARAJU, RAJENDRA 3,158,840
SANOFI 3,163,764
SANOFI 3,163,877
SANOFI 3,163,910
SANOFI 3,164,136
SANTO TOMAS POMPA, JULIO FELIPE 3,163,630
SANTORA, JR., MICHAEL VINCENT 3,164,033
SARANGAPANI, RAMESH 3,158,689
SARRY, EMELINE 3,158,561
SATO, AYANA 3,158,421
SATO, TAIGA 3,164,070
SAUVAGEAU, GUY 3,164,153
SAVKAY, BERKAY HAKKI 3,163,722
SAWANT, DEEPALI 3,164,129
SAWATZKY, TREVOR SCOTT 3,163,893
SCAIFE, DYLAN 3,158,685
SCAN COIN AB 3,163,640
SCAPIN, GIORGIA 3,164,120
SCHACK, AUGUST W. 3,163,684
SCHAFER, MICHAEL 3,163,771
SCHENCK, LUKE RYAN 3,163,951
SCHEPS, DANIEL 3,164,136
SCHIERLE-ARNDT, KERSTIN 3,158,553
SCHLAGE LOCK COMPANY LLC 3,158,478
SCHMID, ANDREAS 3,158,479
SCHNEIDER, CAROLIN 3,164,098
SCHNEIDER, CAROLIN 3,164,104
SCHOLLER, MIKEL 3,163,975
SCHONLEIN, MARKUS 3,163,885
SCHUUR, THEODOOR JACOBUS ROBERT 3,158,446
SCHWABE, TINA 3,158,565
SCHWALD, CHRISTIAN 3,164,000
SCHWARZ, HEIKO 3,163,771
SCHWARZ, MARGRIT 3,163,911
SCIENTIFIC DRILLING INTERNATIONAL, INC. 3,164,034
SCOTT, DAVID A. 3,163,741
SEAGEN INC. 3,164,124
SEB S.A. 3,158,546
SEIDENSTICKER, KURT 3,163,952
SELF, DAVID R. 3,158,578
SERCAN ALP, OEZEN 3,163,764
SEZAN, MUHAMMED IBRAHIM 3,163,688
SGD S.A. 3,163,750
SHAH, DHVANIT I. 3,164,120
SHAIKH, ALTAB 3,158,840
SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD. 3,164,166
SHAO, XIANRONG 3,163,928
SHARMA, RISHI 3,163,886
SHARMA, RISHI 3,163,889
SHARMA, RISHI 3,163,892
SHAVER, GREGORY MATTHEW 3,163,922
SHAWLER, DANIEL LEE 3,163,732
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,164,121
SHEN, BO 3,164,132
SHENHAR-TSARFATY, SHANI 3,164,067
SHENZHEN AEROSPACE SCIENCE ADVANCED MATERIALS CO., LTD 3,163,929
SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD. 3,164,052
SHERMER, CHARLES D. 3,158,420
SHI, FENG 3,163,935
SHI, WENYUAN 3,163,891
SHINOHARA, TOMONARI 3,164,040
SHOREVER OY 3,163,993
SHURTAPE TECHNOLOGIES, LLC 3,163,739
SIAZON, KEVIN 3,163,998
SIBENHORN, GERTRUD 3,163,764
SIEFFERT, DANIEL 3,163,921
SIEKMANN, MISCHA 3,163,771
SIEMEISTER, GERHARD 3,164,112
SILBERMAN, ADI 3,164,067
SILEIKA, TADAS S. 3,163,687
SILLARD, RANNAR 3,158,437
SIMANOWSKI, MARIO 3,164,034
SINGH, VARUN 3,164,082

SINGH, VARUN 3,164,107
SINOPEC PETROLEUM ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD. 3,163,628
SINOPEC PETROLEUM ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD. 3,163,629
SIRAKY, JOSEF 3,163,740
SIRARD, CYNTHIA A. 3,158,661
SIRIO PHARMA CO., LTD. 3,158,592
SISTLA, RAMAKRISHNA 3,158,840
SKORA, STANISLAW 3,163,635
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH 3,163,872
SMITH, EDVARD 3,158,437
SMITH, HARVEY E. 3,158,602
SMITH, KENNETH MICHAEL 3,163,870
SMITH, MICHAEL DAVID 3,163,960
SMITS, EVELIEN 3,163,777
SNEAD, LANCE 3,164,115
SO, TRICCI 3,163,895
SOBOTKA, PAUL 3,163,681
SOCIETE DES PRODUITS NESTLE S.A. 3,163,730
SOCIETE DES PRODUITS NESTLE S.A. 3,163,781
SOCIETE DES PRODUITS NESTLE S.A. 3,163,883
SOCIETE DES PRODUITS NESTLE S.A. 3,163,952
SOCIETE DES PRODUITS NESTLE S.A. 3,164,086
SOCIETE DES PRODUITS NESTLE SA 3,163,643
SOLETTI, LORENZO 3,163,996
SOMERO ENTERPRISES, INC. 3,163,905
SONDERN, ULRICH 3,164,098
SONDERN, ULRICH 3,164,104
SONOCO DEVELOPMENT, INC. 3,158,690
SONOVA CONSUMER HEARING GMBH 3,163,937
SOOS, TIMOTHY 3,163,910
SORBONNE UNIVERSITE 3,158,451
SORDO, WALTER 3,158,554
SOREA, ALEXANDRU 3,163,748
SPARKES, DAVID 3,163,964
SPECTOR, HOWARD 3,163,836
SPECTRUM BRANDS, INC. 3,158,447
SPENCE, PAUL 3,163,944
SPENCER, DARREN 3,163,681
SPERRY RAIL, INC. 3,158,469
SPIEGLER, MARTIN 3,158,453
SPIEGLER, MARTIN 3,158,699
SPIESS, CHRISTOPH 3,163,950
SPOCK, MATTHEW 3,163,933
SPOCK, MATTHEW 3,164,099
SPOONER, COLE 3,158,596
SPORSTOL, SIGVE 3,163,931
SPRENGEL, STEPHAN HEINZ 3,163,879
SPROUSTER, DAVID 3,164,115
SREETHARAN, PRATHEEV SABARATNAM 3,163,989
ST ENGINEERING LAND SYSTEMS LTD 3,163,678
STALLENBERGER, BJORN 3,163,771
STANFIELD, JAMES RICHARD 3,164,049
STARR, JACQUELINE 3,163,891
STEIGEMANN, PATRICK 3,164,112
STENBERG, DAVID 3,163,927
STEWART, JEAN MURRAY 3,158,684
STEYER, OLIVER 3,164,136
STINE, DAVID J. 3,158,706
STOCKTON, WILLIAM B. 3,158,596
STORA ENSO OYJ 3,163,672
STORA ENSO OYJ 3,163,801
STREBEL, RENE 3,163,632
STROUD, TULLY 3,158,463
STYDUHAR, EVAN 3,163,875
SUBRAMANIAM, ANANT 3,158,420
SUGANTHAN, SELVARATNAM 3,164,088
SULFATEQ B.V. 3,164,071
SULLIVAN, VINCENT J. 3,158,420
SUMPF, JR. ROBERT DAVID 3,158,596
SUN, LIPING 3,163,950
SUN, MINGGUANG 3,163,628
SUN, MINGGUANG 3,163,629
SUN, MINGHAO 3,163,886
SUN, MINGHAO 3,163,889
SUROSKY, RICHARD T. 3,163,576
SUSSMAN, DJANGO 3,164,124
SUZUKI, SHUICHI 3,164,056
SVEKOLKIN, VIKTOR 3,163,904
SWAIN, ANGELA 3,164,116
SWART, DANIEL HENRI 3,164,071
SWILDENS, JIM 3,158,528
SWYKA, ROBERT 3,163,875
SYNTHIS THERAPEUTICS, INC. 3,164,037
SYROTUCK, NIGEL ANTHONY 3,164,125
SZAFER, DANFNA GABRIELA 3,158,596
SZALAY, ALADAR A. 3,164,122
SZILLAT, FLORIAN 3,163,947
TAIHO PHARMACEUTICAL CO., LTD. 3,158,442
TAKAMI, KOUHEI 3,158,450
TAKENAKA, SHUNSUKE 3,164,129
TALON, CHRISTIAN 3,163,730
TANG, CHARLES 3,164,066
TANZLER, JANINA 3,164,098
TANZLER, JANINA 3,164,104
TAO, WEIKANG 3,164,166
TAO, XINGHUA 3,163,628
TAO, XINGHUA 3,163,629
TARANTINO, GERMANO 3,163,668
TASSI, ILARIA 3,158,565
TBK PRODUCTS LLC 3,158,418
TELLO GUIJARRO, JORGE 3,163,953
TEMPLE, KAYLA J. 3,164,099
TEN KATE, WARNER RUDOLPH THEOPHILE 3,164,092
TENEOFOUR, INC. 3,158,579
TENG, YUAN-CHING SPENCER 3,163,989
TESLA, INC. 3,158,596
TESTANI, JEFFREY 3,163,896
TGW LOGISTICS GROUP GMBH 3,163,882
THE BRIGHAM AND WOMEN'S HOSPITAL, INC. 3,164,120
THE GENERAL HOSPITAL CORPORATION 3,163,946
THE NOCO COMPANY 3,164,049
THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK 3,164,115
THE SASKATCHEWAN RESEARCH COUNCIL 3,163,731
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES 3,158,557
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL 3,158,445
THE UNVERSITY OF BRITISH COLUMBIA 3,163,923
THEDE, KAI 3,164,112
THENNATI, RAJAMANNAR 3,158,840
THOMAS-KARYAT, DORI 3,164,037
THOME, JOHN RICHARD 3,164,035
THRELFALL, CLINTON 3,158,582
THUM, CHRISTIAN 3,163,717
TIMENES, ATLE 3,163,874
TOKARSKI, JOHN S. 3,158,532
TOKUDA, AKIHIKO 3,163,908
TOMAC, MEHMET 3,158,460
TOMCZAK, MARK 3,158,563
TOMPKINS, BRENDAN 3,158,420
TOMPKINS, CHRISTOPHER 3,164,113
TONG, JI 3,158,449
TONUKUNURU, GOPIKISHAN 3,158,532
TOPSOE A/S 3,163,633
TOPSOE A/S 3,163,634
TORFS, KOEN 3,158,468
TORTAJADA SERRA, MARTA 3,163,992
TRACKONOMY SYSTEMS, INC. 3,158,677
TRAN, HUNG 3,163,576
TRAN, LINH 3,164,044
TRANI, GIANCARLO 3,163,920
TRANI, GIANCARLO 3,164,088
TRELEWICZ, JASON 3,164,115
TREVENA, INC. 3,158,600
TRIGGIANESE, DORIANO 3,158,707
TRUONG, BAO H. 3,158,586
TURKSOY, KAMURAN 3,163,691
TURNER, ANDREW PAUL 3,161,013
TURNING POINT THERAPEUTICS, INC. 3,163,735

TUSTIAN, ANDREW 3,163,876
TVARDI THERAPEUTICS, INC. 3,163,745
TWEARDY, DAVID J. 3,163,745
TYLER, STEVEN 3,163,911
U.S. WELL SERVICES, LLC 3,158,547
UATC, LLC 3,158,597
UATC, LLC 3,158,601
UCB BIOPHARMA SRL 3,163,783
UCB BIOPHARMA SRL 3,163,920
UCB BIOPHARMA SRL 3,164,088
ULUDAG, NEJDET 3,163,868
UNDERWOOD, JAMES J. 3,158,586
UNG, JANE 3,163,735
UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS 3,158,602
UNITED THERAPEUTICS CORPORATION 3,163,871
UNIVERSIDAD DE CONCEPCION 3,158,562
UNIVERSIDAD DE LA HABANA 3,164,100
UNIVERSITAIR ZIEKENHUIS ANTWERPEN 3,163,777
UNIVERSITE DE BOURGOGNE 3,158,208
UNIVERSITE DE MONTREAL 3,164,153
UNIVERSITEIT ANTWERPEN 3,163,777
UNIVERSITEIT GENT 3,164,082
UNIVERSITEIT GENT 3,164,107
UNIVERSITY HEALTH NETWORK (UHN) 3,163,914
UNIVERSITY HEALTH NETWORK 3,163,796
UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. 3,158,455
UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC. 3,164,039
UNIVERSITY OF GUELPH 3,164,048
UPL CORPORATION LIMITED 3,163,666
UPL EUROPE LTD 3,163,666
URTASUN, RAQUEL 3,158,597
URTASUN, RAQUEL 3,158,601
VAHATALO, KALLE 3,158,590
VAHTERUS OY 3,158,590
VAILLANT, RENAUD 3,158,561
VALLER, PETER 3,163,748
VAN DER GRAAF, ADRIANUS CORNELIS 3,164,071
VAN DER PLOEG, GOVERT GERARDUS PIETER 3,164,121
VAN DYCK, BEN 3,164,086
VAN SCHOOTEN, WIM 3,158,579
VAN SINT FIET, LENKA 3,158,528
VAN ZELM, JOHN-PETER 3,158,426
VANAUDENAERDE, JONAS 3,163,777
VANDERBILT UNIVERSITY 3,163,933
VANDERBILT UNIVERSITY 3,164,099
VANSLYKE, STEPHEN J. 3,163,691
VARTAK, ANKIT 3,163,876
VASCULAR BARCELONA DEVICES, S.L. 3,158,681
VASSALLO, JOHN A. 3,164,032
VECHORKIN, OLEG 3,163,875
VEGA ROMERO, ROBERTO IVAN 3,164,059
VELAIAH, SIVASUDAR 3,158,532
VELAPARTHI, UPENDER 3,158,532
VENEGAS, RUBEN 3,163,989
VENKATESAN, THIAGARAJAN 3,158,464
VENKATESWARA-RAO, KONDAPAVULUR T. 3,163,738
VENKATESWARAN, SRIKANTH 3,158,478
VENUGOPAL, SPINVIN 3,158,696
VEOLIA WATER TECHNOLOGIES ITALIA S.P.A. CON SOCIO UNICO 3,163,665
VERDECIA REYES, YAMILA 3,164,100
VERHEYLEWEGEN, GUILLAUME 3,163,906
VESUVIUS U S A CORPORATION 3,158,578
VETOLOGY INNOVATIONS, LLC. 3,163,989
VICTAULIC COMPANY 3,158,435
VIEIRA FURTADO, ANDREZZA BOND 3,164,091
VIGDAL, BREDE 3,164,110
VILLOING, STEPHANE 3,158,539
VILOX AB 3,163,677
VIRAG, DAVID E. 3,158,587
VIRGIL, BRYCE AARON 3,163,724
VIZBARAS, AUGUSTINAS 3,163,879
VOGEL, MATTHEW T. 3,163,691
VOGELAAR, PIETER CORNELIS 3,164,071
VOGELSANG, REGINA 3,158,553
VOGES, MATTHIAS 3,158,553
VOLGMANN, MARCO 3,164,034
VOLKERINK, HENDRIK 3,158,677
VONTRESS, MARK 3,158,689
VORSANA INC. 3,163,869
VUKOVIC, GORAN 3,163,641
W. COTE ET FILS LTEE. 3,158,580
WADE, TRAVIS CHARLES 3,163,682
WADLOW, PHILIP J. 3,164,031
WAGSTAFF, ROBERT BRUCE 3,163,718
WAGSTAFF, SAMUEL ROBERT 3,163,718
WALLACK, SETH 3,163,989
WALLMAN-CARLSSON, VICTOR 3,163,640
WALLMEIER, BERND 3,158,447
WALSN ENTERPRISES LTD. 3,158,481
WALSN MEASUREMENT AND CONTROL TECHNOLOGY (HEBEI) CO., LTD. 3,158,481
WANG, CHEN-CHAO 3,163,925
WANG, JIACHANG 3,163,628
WANG, JIACHANG 3,163,629
WANG, JINGMEI 3,164,087
WANG, LISHUANG 3,163,629
WANG, QIONG 3,164,042
WANG, SHENLONG 3,158,597
WANG, SHUNHAI 3,163,876
WANG, TAO 3,158,481
WANG, TSUN-HSUAN 3,158,601
WANG, VIVIAN CHANGNA 3,163,697
WANG, XIANQUN 3,163,936
WANG, XINYU 3,158,532
WANG, YILI 3,163,935
WANG, YINGCHAO 3,163,844
WANG, ZAIQI 3,158,585
WANG, ZEJING 3,164,124
WANG, ZEWEN 3,158,424
WARBURG, RICHARD 3,163,626
WARD, ALEX MICHAEL 3,163,576
WARD, ZACHARY THOMAS 3,163,755
WARD, ZACHARY THOMAS 3,163,773
WARD, ZACHARY THOMAS 3,163,775
WARRIER, JAYAKUMAR SANKARA 3,158,532
WATSON, JOSHUA 3,158,547
WEE, SUSAN 3,158,532
WEHLAN, HERMUT 3,164,136
WEIGLE, BERND 3,163,910
WEIMER, ERIC T. 3,158,445
WEISENFELD, NEIL IRA 3,158,603
WENGNER, ANTJE MARGRET 3,164,112
WERDNIG, ANDREAS 3,163,903
WERDNIG, ANDREAS 3,164,058
WERDNIG, ANDREAS 3,164,061
WERDNIG, ANDREAS 3,164,062
WERMTER, HENDRIK 3,163,975
WHEEL.ME AS 3,163,874
WHITE, RYAN ROBERT 3,163,922
WICHMANN, JUERGEN 3,158,541
WICHROSKI, MICHAEL J. 3,158,532
WIEGAND, THOMAS 3,163,771
WILDNER, LUDWIG 3,158,479
WILENT, JENNIFER 3,158,600
WILKOMIRSKY FUICA, IGOR 3,158,562
WILLO TECHNOLOGIES, LLC 3,159,022
WILSHINSKY, MURRAY B. 3,163,878
WILSON, JOSH 3,164,034
WINEGAR, THOMAS WILLIAM 3,163,723
WINKEN, MARTIN 3,163,771
WISCONSIN ALUMNI RESEARCH FOUNDATION 3,158,905
WISMANN, SEBASTIAN THOR 3,163,748
WISSEMBORSKI, RUDIGER 3,163,975
WITT, ERIK KURT 3,158,420
WOHLGEMUTH, KURT 3,163,736
WOLDEMICHAEL, GIRMA M. 3,158,557
WOLF, RANDALL K. 3,163,944
WOLGEMUTH, JOHN MILLER 3,163,694
WONDERLAND SWITZERLAND AG 3,158,577
WOOD, MARK 3,163,911
WOODSTREAM CORPORATION 3,159,936
WRENBECK, EMILY E. 3,163,686
WRIGHT, JEREMIAH LUKE 3,158,547
WU, JEFF 3,158,463

WU, JIANGYU 3,163,844
WU, PING 3,164,097
WU, YAN 3,163,950
WUTTE, ANDREAS 3,164,058
WYATT, EMILY A. 3,158,694
WYLDE, JONATHAN 3,163,755
WYLDE, JONATHAN 3,163,773
WYLDE, JONATHAN 3,163,775
XAL INC. 3,158,685
XIONG, WANG 3,158,424
XIONG, YUQUAN 3,163,872
XIONGBIN, XU 3,163,937
XU, CHANGMENG 3,163,794
XU, HUI 3,163,929
XU, JIN 3,163,706
XUAN, LINGCHAO 3,163,628
XUAN, LINGCHAO 3,163,629
YACOBY, EREZ 3,157,860
YAMADA, MASAKI 3,158,442
YAN, JIAN 3,163,732
YAN, JINGJING 3,164,166
YAN, WINSTON X. 3,163,741
YANG, BAILING 3,163,779
YANG, BIN 3,158,601
YANG, FANGLONG 3,164,166
YANG, LEI 3,163,794
YANG, SHENGQI 3,163,844
YANG, XUTENG 3,158,592
YANG, ZHIWEN 3,163,844
YANG, ZUOXING 3,164,052
YAO, QING 3,163,929
YAO, WENQING 3,163,875
YARNOT, BRIAN ALAN 3,163,870
YE, XIN 3,163,911
YEA, CHRISTOPHER MARTYN 3,163,960
YEDA RESEARCH AND DEVELOPMENT CO. LTD. 3,164,067
YIGIT, MEHMET V. 3,163,946
YIN, QIAN 3,163,844
YONG, RICHARD 3,158,433
YOO, BYUNGHEE 3,163,946
YOON, SUNG-SOO 3,164,047
YOON, TAE-YOUNG 3,164,047
YOUNG, DAVID 3,163,686
YOUSUF, ZESHAN 3,163,783
YU, XIN 3,164,129
ZACHAROWSKA, MARTA JOANNA 3,163,729
ZAKHIA, RICHARD 3,164,046
ZANG, YANBIN 3,163,628
ZANG, YANBIN 3,163,629
ZARETZKA, DAN 3,163,738
ZELTIQ AESTHETICS, INC. 3,158,589
ZENG, WENYUAN 3,158,601
ZEPEDA, JOHN A. 3,164,031
ZETTINGER, CHRIS R. 3,158,595
ZHAI, DAYONG 3,163,735
ZHANG, CONG 3,163,934
ZHANG, HAIPING 3,163,628
ZHANG, HAIPING 3,163,629
ZHANG, JACK 3,163,731
ZHANG, JIANGWEI 3,158,585
ZHANG, JINGWEI 3,163,750
ZHANG, JUN 3,164,132
ZHANG, KUN 3,158,577
ZHANG, LIPING 3,163,745
ZHANG, RENLONG 3,163,628
ZHANG, RENLONG 3,163,629
ZHANG, SU-CHUN 3,158,905
ZHANG, TIANCANG 3,163,844
ZHANG, XIQIAN 3,164,166
ZHAO, BAODONG 3,163,731
ZHAO, TIAN 3,158,471
ZHAO, YUNCHENG 3,163,794
ZHENG, XIAOFAN 3,158,532
ZHOU, XINGYUE 3,163,895
ZHOU, YUNHONG NORMAN 3,163,982
ZHU, DEWEI 3,164,133
ZHU, JINGUO 3,163,895
ZHU, YUNFEI 3,164,117
ZHU, ZHAONING 3,164,088
ZHUANG, QIUCHUAN 3,163,794
ZIEGLER, LEAH 3,163,691
ZIELINSKI, RAFAL 3,163,635
ZIESCHANG, ANNE-MARIE CAROLINE 3,158,553
ZOBELE HOLDING SPA 3,164,135
ZOBELE HOLDING, S.P.A. 3,158,554
ZTE (UK) LIMITED 3,164,097
ZTE CORPORATION 3,163,895
ZTE CORPORATION 3,164,078
ZTE CORPORATION 3,164,087
ZUBIETA, LUIS EDUARDO 3,164,108
ZULA, DANIEL P. 3,163,784
ZURIS, JOHN ANTHONY 3,164,055
□IMONYTE, IEVA 3,163,879

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

0903608 B.C. LTD. 3,162,841
9609385 CANADA INC. 3,162,051
ABAD, FARDIN ABDI TAGHI 3,161,821
ABRAMOV, OLEG JURIEVICH 3,162,870
ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC. 3,162,425
AGARWAL, RHYTHM 3,162,658
ALARCON, ARLET 3,161,998
ALLERGAN, INC. 3,162,141
ALLINGTON, CHRISTOPHER JAMES 3,162,149
ANDERSON, CHARLES B. 3,162,438
ANGLE EUROPE LIMITED 3,162,780
BALLANTYNE, TODD A. 3,161,492
BANK OF MONTREAL 3,162,638
BARCO, KYLE T. 3,162,658
BARD, BENJAMIN F. 3,162,658
BARZEGAR, ALIREZA SHABANI 3,162,818
BEDFORD SYSTEMS LLC 3,162,117
BEDNARZ, PHILIP 3,162,425
BENDER, RYAN P. 3,161,998
BIDERMAN, ASSAF 3,162,488
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 3,161,829
BOLSCHER, JOHANNES GERHARDUS MARIA 3,162,567
BONUMOSE LLC 3,161,897
BROOME, ALLEN 3,162,112
BROWN, MICHAEL V. 3,162,794
CAFARO, ENRICO RAFFAELE 3,162,117
CAGNIE, RUBEN 3,162,488
CALGENE QUANTICEL RESEARCH, INC. 3,161,836
CAMERON, PETER SEAN 3,163,768
CAMSO INC. 3,162,796
CANON KABUSHIKI KAISHA 3,161,893
CAPITAL ONE SERVICES, LLC 3,161,821
CARDIOVALVE LTD. 3,162,308
CARIBOU BIOSCIENCES, INC. 3,163,768
CARIS MPI, INC. 3,161,998
CARLTON, R. ANDREW 3,161,309
CHAN, TAI 3,162,488
CHARLES, DANIEL A. 3,162,482
CHEN, YOUNG K. 3,161,836
CHEN, YU 3,162,818
CHENG, YU-HENG 3,161,884
CHINEN, TORU 3,162,763
CLARKE, ELIZABETH J. 3,162,104
CLYMER, ERICA L. 3,162,658
COMCAST CABLE COMMUNICATIONS, LLC 3,162,112
CONRAD, WAYNE ERNEST 3,162,847
COURTEMANCHE, DENIS 3,162,796
COUTO, FERNANDO 3,162,586
COUTO, FERNANDO 3,162,816
CROOKS, WILLIAM M. 3,162,438
DA COSTA, BERNARDO M. 3,162,104
DACOSTA, RALPH SEBASTIAN 3,162,577
DAIBER, ANDREAS 3,161,829
DANDURAND, JULES 3,162,796
DAVIS, JASON 3,162,796
DE GROOT, ANNE 3,161,849
DEFENDER SCREENS INTERNATIONAL, LLC 3,162,489
DEKA PRODUCTS LIMITED PARTNERSHIP 3,161,492
DENOMME, RYAN CAMERON 3,161,883
DIBAS, MOHAMMED 3,162,141
DICK, JOHN ALEXANDER 3,161,883
DIEHL, ANDREW KARL 3,162,149
DIENNO, DUSTIN V. 3,162,826
DINTAKURI, GANAPATHI DEVA VARMA 3,161,900
DINTAKURI, GANAPATHI DEVA VARMA 3,161,904
DINTAKURI, GANAPATHI DEVA VARMA 3,161,913
DOLBY INTERNATIONAL AB 3,162,807
DOLBY INTERNATIONAL AB 3,162,808
DOLBY INTERNATIONAL AB 3,163,657
DOLBY INTERNATIONAL AB 3,163,664
DRIJFHOUT, JAN WOUTER 3,161,989
DUQUETTE, SETAREH 3,161,884
DUTREMBLE, THOMAS PAUL 3,162,117
EATON INTELLIGENT POWER LIMITED 3,162,438
EDDY CURRENT LIMITED PARTNERSHIP 3,162,149
EGOYANTS, PETR ALEXANDROVICH 3,162,870
EJEBE, KENECHI 3,162,352
EKSTRAND, PER 3,162,808
ENDURA PRODUCTS, LLC 3,162,750
ENGLERT, DAVID 3,162,780
EPIVAX, INC. 3,161,849
FARHADIROUSHAN, MAHMOUD 3,161,917
FEDORKA, THOMAS 3,162,117
FIMIN, PAVEL NIKOLAEVICH 3,162,870
FINNEGAN, PAUL F. 3,162,794
FLEURY, LEO W. 3,161,900
FLEURY, LEO W. 3,161,904
FLEURY, LEO W. 3,161,913
FORD, TIMOTHY D.F. 3,162,051
FRANKEY, BRIAN 3,161,917
GENOMATICA, INC. 3,162,104
GENTELON, INC. 3,162,668
GILSON, ROSS 3,162,112
GIYANANI, JAYA 3,162,141
GOLDBURG, MARC 3,162,425
GONCALVES, FERNANDO D. 3,162,794
GONZALES, DONALD A. 3,161,309
GOODSITT, JEREMY 3,161,821
GOOGLE LLC 3,162,818
GORDON, JEREMY B. 3,162,117
GORE, ANURADHA 3,162,141
GRADIA, SCOTT DAVID 3,163,768
GRAY, BRUCE C. 3,161,309
GREENFIELD, DEREK L. 3,162,104
GROBAN, ELI S. 3,162,104
GROSS, JAN 3,162,489
GRUBB, SCOTT 3,162,117
HADLEY, MARCUS A. 3,161,309
HARARI, BOAZ 3,162,308
HARITON, ILIA 3,162,308
HEDELIN, PER 3,162,807
HEINZMANN, JOHN, DAVID 3,162,488
HELMAN, NOAH 3,162,104
HERRAN, MATHIEU 3,161,847
HILL, WESTON 3,162,149
HILLER, TIMOTHY SCOTT EDWARD 3,161,904
HILLER, TIMOTHY SCOTT EDWARD 3,161,913
HILLER, TIMOTHY SCOTT EDWARDS 3,161,900
HOLDEN, DANIAL 3,162,112
HOLDEN, KEVIN 3,162,104
HONMA, HIROYUKI 3,162,763
HU, ZHIHAO 3,162,104
HUIZINGA, TOM 3,161,989
IMBOURG, FREDERIC 3,161,847
INGRAM, JAMIE L. 3,161,309
INOVA DIAGNOSTICS, INC. 3,161,989
ION POWER GROUP LLC 3,162,779
IZMAILOV, ALEXANDRE 3,162,780
JAMES, ARTHUR 3,162,489
JANHUNEN, STEFAN ERIK 3,161,900
JANHUNEN, STEFAN ERIK 3,161,904
JANHUNEN, STEFAN ERIK 3,161,913
JASKIEWICZ, TOMASZ 3,162,750
JOHANSEN, ODD-ERIK 3,161,829
JOHNSON, BRIAN B. 3,162,117
JONES, CHRISTOPHER M. 3,162,658
JONES, LISA A. 3,161,884
JOUNG, J. KEITH 3,161,835
JOY GLOBAL UNDERGROUND MINING LLC 3,161,823
KALDOR, STEPHEN W. 3,161,836
KANOUNI, TOUFIKE 3,161,836
KENDALL, ADAM 3,162,750

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

KINLEN, PATRICK J. 3,162,482
KJOERLING, KRISTOFER 3,163,657
KLEIN, THOMAS 3,161,829
KLOMPE, SANNE EVELINE 3,163,768
KUSLICH, CHRISTINE 3,161,998
LEE, SUNGWOOK 3,162,141
LEIDEN UNIVERSITY MEDICAL CENTER 3,161,989
LIAO, ZHIMING 3,162,586
LIAO, ZHIMING 3,162,816
LIN, CHIH-CHING 3,161,884
LIU, HAIXIA 3,162,141
LOESCH, DAVID M. 3,161,998
LOPER, J. CAMERON 3,161,309
LOUDON, JONATHAN 3,162,450
LOUDON, JONATHAN 3,162,454
LUDDY, CHARLES P. 3,161,309
LUTRON TECHNOLOGY COMPANY LLC 3,162,658
MACKEY, STEVEN 3,162,117
MAEDER, MORGAN 3,161,835
MAHLER, MICHAEL 3,161,989
MANHAS, KARAN 3,162,841
MAO, WEIDONG 3,162,112
MARK, MICHAEL 3,161,829
MARTIN, WILLIAM 3,161,849
MARTINIS, JOHN 3,162,818
MARUCCHI, LEON A. 3,161,309
MASADA, GWYNN 3,162,117
MCCOWEN, CLINT 3,162,779
MCGINNIS, MATTHEW J. 3,161,998
MCHUGH, WILLIAM PHILIP 3,162,117
MCMAHON, MICHAEL D. 3,162,112
MERCER, STEVEN JAMES 3,161,900
MERCER, STEVEN JAMES 3,161,904
MERCER, STEVEN JAMES 3,161,913
MILNE, CRAIG 3,161,917
MITCHELL, MICHAEL K. 3,162,750
MODERNATX, INC. 3,162,352
MORGAN, AILEEN 3,162,141
MUELLER INTERNATIONAL, LLC 3,161,900
MUELLER INTERNATIONAL, LLC 3,161,904
MUELLER INTERNATIONAL, LLC 3,161,913
MURAKAMI, KATSUYA 3,161,893
MURANYI, ANDREA 3,162,586
MURANYI, ANDREA 3,162,816
MYLES, ANDREA 3,161,900
MYLES, ANDREA 3,161,904
MYLES, ANDREA 3,161,913
NAZMI, KAMRAN 3,162,567
NECTOUTE, PHILIPPE 3,161,847
NICOVENTURES TRADING LIMITED 3,162,870
NICOYA LIFESCIENCES, INC. 3,161,883
NOVAK, THOMAS J. 3,162,117
O'NEILL, MICHAEL L. 3,161,823
OKINO, AYATOMO 3,161,893
OLSON, THOMAS L. 3,162,658
OLSZEWSKI, DAVID M. 3,162,438
OMACHRON INTELLECTUAL PROPERTY INC. 3,162,847
ORCHOWSKI, NEIL R. 3,162,658
OUDHOFF, MENNO JOHANNES 3,162,567
PARKER, TOM 3,161,917
PATEL, SANJAYKUMAR 3,161,829
PAWLOWSKI, TRACI 3,161,998
PENNY, ROBERT J. 3,161,998
PETERSON, PETER RAE 3,162,117
PHAM, VINCENT 3,161,821
PRIMAL THERAPIES, INC. 3,162,739
PURNHAGEN, HEIKO 3,163,664
PUSKAR, MICHAEL P. 3,162,438
QASIMI, JAVVAD 3,162,438
RAKHIMOV, RINAT 3,162,638
RANGE, BRADFORD 3,162,117
RAPHAELSON, STEVEN 3,162,117
RAPID PATHOGEN SCREENING, INC. 3,162,567
REN, CHENG Q. 3,161,309
RICHARDSON, JULIAN 3,162,450
RICHARDSON, JULIAN 3,162,454
RICHARZ, WERNER GUENTHER 3,161,900
RICHARZ, WERNER GUENTHER 3,161,904
RICHARZ, WERNER GUENTHER 3,161,913
RIVERA, DAN 3,161,849
ROBINSON, MICHAEL R. 3,162,141
ROSENTHAL, MICHAEL H. 3,161,309
ROSSE, JONATHAN P. 3,161,492
ROSSI, STEVEN 3,162,450
ROSSI, STEVEN 3,162,454
ROZEK, ANNETT 3,162,841
SACK, MICHAEL 3,162,117
SAFRAN HELICOPTER ENGINES 3,161,847
SAIDI, IYAD S. 3,161,309
SAMUELSSON, LEIF JONAS 3,163,664
SANK, DANIEL THOMAS 3,162,818
SCHIRMER, ANDREAS W. 3,162,104
SCHRUM, JASON P. 3,162,352
SEPULVEDA, JAVIER A. PEREZ 3,161,884
SHANMUGAM, KANDAVEL 3,162,586
SHANMUGAM, KANDAVEL 3,162,816
SHI, RUNYU 3,162,763
SIDDIQI, SUHAIB 3,162,352
SIGMAN, GREG 3,162,794
SILIXA LTD 3,161,917
SIMARD, JAMES 3,162,488
SINGH, SHALINI 3,162,586
SINGH, SHALINI 3,162,816
SMITH, PAUL 3,162,780
SONY CORPORATION 3,162,763
SOSENKO, ERIC 3,162,450
SPIROX, INC. 3,161,309
STAFFORD, JEFFREY ALAN 3,161,836
STEIN, EMILY A. 3,162,739
STERNBERG, SAMUEL HENRY 3,163,768
STEVENS, JON 3,162,488
SUPERPEDESTRIAN, INC. 3,162,488
TAYLOR, KENNETH 3,161,821
THE BOEING COMPANY 3,162,482
THE GENERAL HOSPITAL CORPORATION 3,161,835
THE RAYMOND CORPORATION 3,162,794
THOMPSON, MATTHEW SCOTT 3,163,768
TIAN, SHENCHI 3,162,658
TOES, RENE 3,161,989
TROUW, LEENDERT A. 3,161,989
TRUONG, ANH 3,161,821
UNIVERSITY HEALTH NETWORK 3,162,577
VAN DEN KEIJBUS, PETRONELLA ADRIANA MARIA 3,162,567
VAN FLEET, ERIC 3,162,841
VAN NIEUW AMERONGEN, ARIE 3,162,567
VAN VEELEN, PETER 3,161,989
VAN'T HOF, WILLEM 3,162,567
VEAL, JAMES MARVIN 3,161,836
VEERMAN, ENGELMUNDUS CORNELIS IGNATUS 3,162,567
VENTANA MEDICAL SYSTEMS, INC. 3,161,884
VENTANA MEDICAL SYSTEMS, INC. 3,162,586
VENTANA MEDICAL SYSTEMS, INC. 3,162,816
VILLEMOES, LARS 3,162,807
VILLEMOES, LARS FALCK 3,162,808
VOLOBUEV, DMITRY MIKHAILOVICH 3,162,870
VON HOFF, DANIEL D. 3,161,998
VUCKOVIC, ALEXANDER 3,162,668
W. L. GORE & ASSOCIATES, INC. 3,162,826
WALTERS, AUSTIN 3,161,821
WALTERS, DAVE 3,162,149
WICHELECKI, DANIEL JOSEPH 3,161,897
WILLIAMS, JAMES O. 3,161,900
WILLIAMS, JAMES O. 3,161,904
WILLIAMS, JAMES O. 3,161,913
WILSON, BRIAN C. 3,162,577
WILT, MICHAEL J. 3,161,492
WOERLE, HANS-JUERGEN 3,161,829
WORKSPORT LTD. 3,162,450
WORKSPORT LTD. 3,162,454
WRIGHT, ALAN 3,161,998
WRIGHT, KEVIN A. 3,162,149
YAMAMOTO, YUKI 3,162,763
YEE, BRIAN K. 3,161,492
YUSUF, SHABBIR 3,161,900
YUSUF, SHABBIR 3,161,904
YUSUF, SHABBIR 3,161,913
ZHANG, KAI 3,162,577
ZHOU, JIHAO 3,162,141
ZHU, YIFEI 3,162,586
ZHU, YIFEI 3,162,816