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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Table of Contents
Table des matières

Notices
Avis 1

Canadian Patents Issued
Brevets canadiens délivrés 25

Canadian Applications Open to Public Inspection
Demandes canadiennes mises à la disponibilité du public.....60

PCT Applications Entering the National Phase
Demandes PCT entrant en phase nationale 78

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 184

Index of Canadian Patents Issued
Index des brevets canadiens délivrés 193

Index of Canadian Applications Open to Public Inspection
Index des demandes canadiennes mises à la disponibilité du public 199

Index of PCT Applications Entering the National Phase
Index des demandes PCT entrant en phase nationale 202

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 221

Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*))	**$295**
6. Preliminary examination fee (Rule 58)	**$800**

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*))	**295 $**
6. Taxe d'examen préliminaire (Règle 58)	**800 $**

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

On this page:

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

14. Procédures de correspondance

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

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

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

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

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Date de modification : 17 juin 2019

Sur cette page :

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

Copyright

Droits d'auteur

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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 January 31, 2023 contains applications open to public inspection from January 15, 2023 to January 21, 2023.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 31 janvier 2023 contient les demandes disponibles au public pour consultation pour la période du 15 janvier 2023 au 21 janvier 2023.

Canadian Patents Issued

January 31, 2023

Brevets canadiens délivrés

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[72] POELL, JOS BERNARD, NL
[72] GOMMANS, WILLEMIJN MARIA, NL
[72] VAN HAASTERT, RICK JAN, NL
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[54] **DISPOSITIF DE VAPORISATION ELECTRONIQUE BASSE TEMPERATURE ET PROCEDES ASSOCIES**
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[72] BOWEN, ADAM, US
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[54] **PLATE-FORME MICROFLUIDIQUE CENTRIPETALE PERMETTANT DE TESTER DES SUBSTANCES REACTIVES AU TEST LAL**
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[54] **METHODE D'AMELIORATION DE L'EFFICACITE D'UN VACCIN A BASE DE SURVIVINE POUR LE TRAITEMENT DU CANCER**
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[54] **UN DISPOSITIF ELECTRONIQUE SERVANT A MESURER UN COURANT DIFFERENTIEL DANS UNE LIGNE ELECTRIQUE**
[72] GHEZZI, LUCA, IT
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[54] **COMPOSITIONS CONTAINING, METHODS INVOLVING, AND USES OF NON-NATURAL AMINO ACIDS AND POLYPEPTIDES**
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[72] HARRISON, TIMOTHY, GB
[72] TREVITT, GRAHAM, GB
[72] HEWITT, PETER ROBIN, GB
[72] O'DOWD, COLIN RODERICK, GB
[72] BURKAMP, FRANK, GB
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[72] JOHNSON, RUSSELL J., US
[72] ZAHARIA, CRISTIANA A., US
[72] CAI, HAIYING, US
[72] HU, LILY W., US
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[54] **SUBSTITUTED THIAZOLE OR OXAZOLE P2X7 RECEPTOR ANTAGONISTS**
[54] **ANTAGONISTES DU RECEPTEUR P2X7 D'OXAZOLE OU DE THIAZOLE SUBSTITUES**
[72] PEVARELLO, PAOLO, IT
[72] LOHMER, STEFAN, IT
[72] LIBERATI, CHIARA, IT
[72] SENECI, PIERFAUSTO, IT
[72] PESENTI, CRISTINA, IT
[72] PRANDI, ADOLFO, IT
[73] AXXAM S.P.A., IT
[85] 2016-08-03
[86] 2015-02-04 (PCT/EP2015/052316)
[87] (WO2015/118019)
[30] EP (14154038.5) 2014-02-05

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[13] C
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[25] EN
[54] **PYRAZOLYL-UREAS AS KINASE INHIBITORS**
[54] **PYRAZOLYL-UREES EN TANT QU'INHIBITEURS DE KINASE**
[72] LONGSHAW, ALISTAIR IAN, GB
[72] FORDYCE, EUAN ALEXANDER FRASER, GB
[72] ONIONS, STUART THOMAS, GB
[72] KING-UNDERWOOD, JOHN, GB
[72] VENABLE, JENNIFER DIANE, US
[72] WALTERS, IAIN, GB
[73] RESPIVERT LIMITED, GB
[85] 2016-08-05
[86] 2015-02-13 (PCT/GB2015/050401)
[87] (WO2015/121660)
[30] US (61/940,282) 2014-02-14
[30] US (61/941,064) 2014-02-18

[11] **2,939,547**
[13] C
[51] **Int.Cl. F16K 17/04 (2006.01) F16K 31/12 (2006.01) G05D 16/00 (2006.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR MAINTAINING FLUID FLOW PRESSURE IN A SYSTEM AT A PRESET, ALMOST CONSTANT LEVEL**
[54] **PROCEDE ET AGENCEMENT POUR MAINTENIR UNE PRESSION D'ECOULEMENT DE FLUIDE DANS UN SYSTEME A UN NIVEAU PRE-ETABLI PRESQUE CONSTANT**
[72] POHJOLA, HEIKKI ANTERO, FI
[73] SOLAR WATER SOLUTIONS OY, FI
[85] 2016-08-12
[86] 2015-02-18 (PCT/FI2015/050096)
[87] (WO2015/124833)
[30] FI (20140049) 2014-02-19

[11] **2,940,130**
[13] C
[51] **Int.Cl. B08B 1/04 (2006.01) A46B 5/00 (2006.01) A46B 13/00 (2006.01) B60S 3/06 (2006.01)**
[25] EN
[54] **VEHICLE WASH COMPONENT**
[54] **COMPOSANT DE LAVAGE DE VEHICULE**
[72] BELANGER, MICHAEL J., US
[72] WEYANDT, THOMAS E., US
[72] KOTRYCH, JERRY A., US
[72] TURNER, BARRY S., US
[73] BELANGER, INC., US
[85] 2016-08-18
[86] 2015-02-18 (PCT/US2015/016333)
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[30] US (14/182,941) 2014-02-18

[11] **2,940,525**
[13] C
[51] **Int.Cl. B05B 11/02 (2006.01)**
[25] EN
[54] **VENTED NON-COLLAPSING CONTAINERS, REFILLABLE REFILL CONTAINERS, DISPENSERS AND REFILL UNITS**
[54] **RECIPIENTS NON REPLIABLES MIS A L'AIR LIBRE, RECIPIENTS DE RE-REMPLISSAGE RECHARGEABLES, DISTRIBUTEURS ET UNITES DE RE-REMPLISSAGE**
[72] WELLS, JESSE D., US
[72] MARSHALL, AARON D., US
[73] GOJO INDUSTRIES, INC., US
[85] 2016-08-23
[86] 2015-02-23 (PCT/US2015/017028)
[87] (WO2015/127338)
[30] US (61/943,678) 2014-02-24

[11] **2,942,202**
[13] C
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **DUAL-OPTIC INTRAOCULAR LENS THAT IMPROVES OVERALL VISION WHERE THERE IS A LOCAL LOSS OF RETINAL FUNCTION**
[54] **LENTILLE INTRA-OCULAIRE FORMANT DOUBLET QUI AMELIORE LA VISION GLOBALE EN CAS DE PERTE LOCALISEE DE LA FONCTION RETINIENNE**
[72] ROSEN, ROBERT, NL
[72] WEEBER, HENDRIK A., NL
[72] CANOVAS VIDAL, CARMEN, NL
[72] VAN DER MOOREN, MARRIE, NL
[72] SELLITRI, DORA, NL
[72] PIERS, PATRICIA ANN, NL
[73] AMO GRONINGEN B.V., NL
[85] 2016-09-09
[86] 2015-03-10 (PCT/IB2015/002398)
[87] (WO2016/038470)
[30] US (61/950,757) 2014-03-10
[30] US (61/987,647) 2014-05-02

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[13] C
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/18 (2006.01) A24B 15/28 (2006.01)**
[25] EN
[54] **POLYMER ENCASED SMOKELESS TOBACCO PRODUCTS**
[54] **PRODUITS DE TABAC SANS FUMEE GAINES DE POLYMERES**
[72] CARROLL, ANDREW NATHAN, US
[72] BLACK, SHANNON MAXWELL, US
[72] SUN, YAN HELEN, US
[72] BURKE, WILLIAM J., US
[72] DINOVI, CHRISTOPHER JOSEPH (DECEASED), US
[72] PHILLIPS, DAVID, US
[72] MACKO, JASON ANDREW, US
[72] SMITH, ROBERT, US
[73] ALTRIA CLIENT SERVICES LLC, US
[85] 2016-09-14
[86] 2015-03-13 (PCT/US2015/020449)
[87] (WO2015/138899)
[30] US (61/953,387) 2014-03-14

[11] **2,945,405**
[13] C
[51] **Int.Cl. E21B 29/00 (2006.01) E21B 43/114 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SEVERING A DRILL STRING**
[54] **PROCEDE ET APPAREIL DE SECTIONNEMENT D'UN TRAIN DE TIGES**
[72] CHURCHILL, ANDREW PHILIP, GB
[73] CORETRAX GLOBAL LIMITED, GB
[85] 2016-10-11
[86] 2015-04-17 (PCT/GB2015/051160)
[87] (WO2015/159094)
[30] GB (1406959.5) 2014-04-17
[30] GB (1419368.4) 2014-10-30

[11] **2,946,928**
[13] C
[51] **Int.Cl. A61K 33/08 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **TREATMENT AND PREVENTION OF ALZHEIMER'S DISEASE (AD)**
[54] **TRAITEMENT ET PREVENTION DE LA MALADIE D'ALZHEIMER**
[72] MANDLER, MARKUS, AT
[72] SCHNEEBERGER, ACHIM, AT
[72] VON BONIN, ARNE, AT
[72] MATTNER, FRANK, AT
[72] SCHMIDT, WALTER, AT
[73] ADVANTAGE THERAPEUTICS, INC., US
[85] 2016-10-25
[86] 2015-04-29 (PCT/EP2015/059339)
[87] (WO2015/165966)
[30] EP (14166355.9) 2014-04-29
[30] EP (14166354.2) 2014-04-29

[11] **2,949,328**
[13] C
[51] **Int.Cl. C07K 7/62 (2006.01)**
[25] EN
[54] **LOW SUBSTITUTED POLYMYXINS AND COMPOSITIONS THEREOF**
[54] **POLYMYXINES FAIBLEMENT SUBSTITUEES ET COMPOSITIONS LES COMPRENANT**
[72] BJORNSTAD, VIDAR, NO
[72] GUNNES, SOLVI, NO
[72] KOCH, TORBEN, DK
[72] MELANDER, CLAES, SE
[73] XELLIA PHARMACEUTICALS APS, DK
[85] 2016-11-16
[86] 2015-06-29 (PCT/EP2015/064764)
[87] (WO2016/005223)
[30] US (62/022,399) 2014-07-09

[11] **2,953,151**
[13] C
[51] **Int.Cl. A61B 17/80 (2006.01)**
[25] EN
[54] **METACARPAL NECK PLATE**
[54] **PLAQUE DE COL DU METACARPIEN**
[72] ROCCI, MIRKO, CH
[72] FISCHER, FABIENNE, CH
[72] CICOIRA, FRANCO, CH
[72] LANGER, MARTIN, DE
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2016-12-20
[86] 2015-06-23 (PCT/US2015/037052)
[87] (WO2016/003694)
[30] US (14/320,470) 2014-06-30

[11] **2,953,162**
[13] C
[51] **Int.Cl. C12P 7/06 (2006.01) C01B 3/34 (2006.01) C01B 3/48 (2006.01) C10L 1/02 (2006.01) C10L 3/00 (2006.01) C12P 1/00 (2006.01) C12P 5/02 (2006.01) C12P 7/02 (2006.01)**
[25] EN
[54] **PROCESS FOR USING BIOGENIC CARBON DIOXIDE DERIVED FROM NON-FOSSIL ORGANIC MATERIAL**
[54] **PROCEDE D'UTILISATION DE DIOXYDE DE CARBONE BIOGENIQUE DERIVE D'UNE MATIERE ORGANIQUE NON FOSSILE**
[72] FOODY, PATRICK J., CA
[72] FOODY, BRIAN, CA
[73] IOGEN CORPORATION, CA
[85] 2016-12-21
[86] 2015-07-22 (PCT/CA2015/050686)
[87] (WO2016/011554)
[30] US (62/027,370) 2014-07-22
[30] US (14/563,116) 2014-12-08
[30] US (62/115,273) 2015-02-12

[11] **2,953,541**
[13] C
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 84/18 (2009.01) H04B 1/16 (2006.01)**
[25] EN
[54] **INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND PROGRAM**
[54] **DISPOSITIF DE TRAITEMENT D'INFORMATIONS, PROCEDE DE TRAITEMENT D'INFORMATIONS, ET PROGRAMME**
[72] ITAGAKI, TAKESHI, JP
[72] YAMAURA, TOMOYA, JP
[72] SAKODA, KAZUYUKI, JP
[72] SATO, MASANORI, JP
[73] SONY CORPORATION, JP
[85] 2016-12-22
[86] 2015-05-08 (PCT/JP2015/063346)
[87] (WO2016/006312)
[30] JP (2014-142950) 2014-07-11
[30] JP (2015-002478) 2015-01-08
[30] JP (2015-002479) 2015-01-08

[11] **2,955,615**
[13] C
[51] **Int.Cl. G06F 11/32 (2006.01)**
[25] EN
[54] **VISUAL TOOLS FOR FAILURE ANALYSIS IN DISTRIBUTED SYSTEMS**
[54] **OUTILS VISUELS POUR UNE ANALYSE DE DEFAILLANCE DANS DES SYSTEMES DISTRIBUES**
[72] SADOVSKY, ART, US
[72] NARAYANAN, VENKAT, US
[72] OJHA, SMITA, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-01-18
[86] 2015-07-24 (PCT/US2015/041872)
[87] (WO2016/018730)
[30] US (14/447,591) 2014-07-30

[11] **2,956,431**
[13] C
[51] **Int.Cl. C08F 265/06 (2006.01) C08J 3/02 (2006.01)**
[25] EN
[54] **SURFACTANT-COMPATIBLE STAR MACROMOLECULES**
[54] **MACROMOLECULES EN ETOILE COMPATIBLES AVEC UN AGENT TENSIO-ACTIF**
[72] HUANG, LIANG, US
[72] LIAO, YUANXI, US
[72] MCCARTHY, PATRICK, US
[73] PILOT POLYMER TECHNOLOGIES, INC., US
[85] 2017-01-26
[86] 2015-07-02 (PCT/US2015/039066)
[87] (WO2016/004357)
[30] US (62/020,736) 2014-07-03

[11] **2,957,310**
[13] C
[51] **Int.Cl. B23K 37/00 (2006.01) B08B 1/00 (2006.01)**
[25] EN
[54] **DEVICE FOR CLEANING WELDS**
[54] **DISPOSITIF DE NETTOYAGE DE SOUDURES**
[72] LAPELOSA, MICHELE, IT
[73] WALTER SURFACE TECHNOLOGIES INC., CA
[85] 2017-02-06
[86] 2015-08-04 (PCT/CA2015/050733)
[87] (WO2016/019460)
[30] US (62/033,003) 2014-08-04
[30] US (62/182,814) 2015-06-22

[11] **2,960,472**
[13] C
[51] **Int.Cl. F24C 7/08 (2006.01) A47J 27/00 (2006.01) A47J 36/00 (2006.01) G05D 23/19 (2006.01) H05B 6/10 (2006.01)**
[25] EN
[54] **INDUCTION DEVICE AND TEMPERATURE ADJUSTMENT METHOD**
[54] **DISPOSITIF D'INDUCTION ET PROCEDE DE REGLAGE DE TEMPERATURE**
[72] KANG, HONG-JOO, KR
[72] KO, BYUNG-HWAN, KR
[72] BAE, EUN-DAE, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-03-07
[86] 2015-07-15 (PCT/KR2015/007323)
[87] (WO2016/035998)
[30] KR (10-2014-0118069) 2014-09-04

[11] **2,961,220**
[13] C
[51] **Int.Cl. H01M 50/552 (2021.01) H01M 50/571 (2021.01)**
[25] EN
[54] **BATTERY CONTACT WITH A SURFACE TEXTURE**
[54] **CONTACT DE BATTERIE A SURFACE TEXTUREE**
[72] BRUSH, JAMES, US
[72] WILLEY, BRENT M., US
[72] MILLER, WILLIAM S., US
[72] GUO, MAO ZHEN, CN
[73] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
[86] (2961220)
[87] (2961220)
[22] 2017-03-17
[30] US (62/309,520) 2016-03-17

[11] **2,961,252**
[13] C
[51] **Int.Cl. C08K 5/5455 (2006.01) C08J 3/20 (2006.01)**
[25] EN
[54] **SILANE FUNCTIONALIZED COMPOUNDS AND COMPOSITIONS THEREOF**
[54] **COMPOSES FONCTIONNALISES AU SILANE ET COMPOSITIONS ASSOCIEES**
[72] NIKITENKO, ANTONINA, US
[72] PINNOW, MATTHEW, US
[72] BANSAL, AMITABH, US
[73] HEXION INC., US
[73] MOMENTIVE PERFORMANCE MATERIALS INC., US
[85] 2017-03-13
[86] 2015-09-23 (PCT/US2015/051732)
[87] (WO2016/049192)
[30] US (62/055,313) 2014-09-25

[11] **2,961,456**
[13] C
[51] **Int.Cl. H04W 76/16 (2018.01) H04W 48/08 (2009.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PROVIDING MULTIPLE CONNECTIONS USING DIFFERENT RADIO ACCESS TECHNOLOGY IN WIRELESS COMMUNICATION SYSTEM**
[54] **APPAREIL ET PROCEDE DE FOURNITURE DE MULTIPLES CONNEXIONS EN UTILISANT DIFFERENTES TECHNOLOGIES D'ACCES RADIO DANS UN SYSTEME DE COMMUNICATION SANS FIL**
[72] JANG, JAE-HYUK, KR
[72] KIM, SOENG-HUN, KR
[72] KIM, SANG-BUM, KR
[72] YU, HAN-IL, KR
[72] JEONG, KYEONG-IN, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-03-15
[86] 2015-10-06 (PCT/KR2015/010547)
[87] (WO2016/056817)
[30] KR (10-2014-0134997) 2014-10-07

[11] **2,961,963**
[13] C
[51] **Int.Cl. A61M 60/50 (2021.01) A61M 60/148 (2021.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING AORTIC VALVE OPENING**
[54] **PROCEDE ET APPAREIL POUR DETERMINER UNE OUVERTURE DE VALVULE AORTIQUE**
[72] GRANEGGER, MARCUS, AT
[72] MOSCATO, FRANCESCO, AT
[72] SCHIMA, HEINRICH, AT
[72] HAYWARD, CHRISTOPHER SIMON, AU
[73] HEARTWARE, INC., US
[85] 2017-03-21
[86] 2015-09-22 (PCT/AU2015/050566)
[87] (WO2016/044889)
[30] AU (2014903794) 2014-09-23

[11] **2,963,119**
[13] C
[51] **Int.Cl. H04W 16/10 (2009.01)**
[25] EN
[54] **INTER-GATEWAY INTERFERENCE MANAGEMENT AND ADMISSION CONTROL FOR A CDMA SATELLITE COMMUNICATIONS SYSTEM**
[54] **GESTION D'INTERFERENCES ENTRE PASSERELLES ET COMMANDE D'ADMISSION POUR UN SYSTEME DE COMMUNICATION PAR SATELLITE CDMA**
[72] XU, JUN, US
[72] JONG, JAMES, US
[72] RAVISHANKAR, CHANNASANDRA, US
[73] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2017-03-29
[86] 2015-09-29 (PCT/US2015/053040)
[87] (WO2016/054111)
[30] US (62/057,221) 2014-09-29

[11] **2,963,601**
[13] C
[51] **Int.Cl. C07D 233/56 (2006.01) A61K 31/375 (2006.01) A61K 31/4164 (2006.01) A61P 35/00 (2006.01) C07D 277/22 (2006.01)**
[25] EN
[54] **BENZYLHYDROXYDE DERIVATIVES, PREPARATION THEREOF AND THERAPEUTIC USE AS INHIBITORS OF THE COMPLEX 1 OF THE MITOCHONDRIAL RESPIRATORY CHAIN**
[54] **DERIVES DE BENZYLHYDROXYDE, PREPARATION ET UTILISATION THERAPEUTIQUE COMME INHIBITEURS DU COMPLEXE 1 DE LA CHAINE RESPIRATOIRE MITOCHONDRIALE**
[72] MENEYROL, JEROME, FR
[73] SANOFI, FR
[85] 2017-04-04
[86] 2015-10-29 (PCT/EP2015/075112)
[87] (WO2016/066742)
[30] EP (14306747.8) 2014-10-30

[11] **2,964,207**
[13] C
[51] **Int.Cl. B65D 5/42 (2006.01) B65D 5/38 (2006.01)**
[25] EN
[54] **LOCKING PACKAGING CONTAINER**
[54] **CONTENANT D'EMBALLAGE A VERROU**
[72] CHAMBERS, CHRISTOPHER, US
[72] GILGER, ERIC, US
[73] ALL PACKAGING COMPANY LLC, US
[86] (2964207)
[87] (2964207)
[22] 2017-04-13
[30] US (62/322,614) 2016-04-14

[11] **2,966,731**
[13] C
[51] **Int.Cl. C12N 15/62 (2006.01) C12N 15/113 (2010.01) C07K 19/00 (2006.01) C12N 9/22 (2006.01) C12N 15/00 (2006.01) C12N 15/11 (2006.01) C12N 15/55 (2006.01) C12N 15/63 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **PEPTIDE-MEDIATED DELIVERY OF RNA-GUIDED ENDONUCLEASE INTO CELLS**
[54] **ADMINISTRATION MEDIEE PAR UN PEPTIDE D'ENDONUCLEASE GUIDEE PAR UN ARN DANS DES CELLULES**
[72] FRISCH, RYAN L., US
[72] FAN, XIAOCHUN, US
[72] HONG, SEUNG-PYO, US
[72] JACKSON, ETHEL NOLAND, US
[73] E. I. DU PONT DE NEMOURS AND COMPANY, US
[85] 2017-05-03
[86] 2015-11-03 (PCT/US2015/058760)
[87] (WO2016/073433)
[30] US (62/075,999) 2014-11-06

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[13] C
[51] **Int.Cl. H01H 33/44 (2006.01) H01H 9/56 (2006.01) H01H 33/59 (2006.01)**
[25] FR
[54] **METHOD FOR OPERATING CAPACITIVE LOADS AND DEVICE FOR IMPLEMENTING THE METHOD**
[54] **PROCEDE DE MANOEUVRE DE CHARGES CAPACITIVES ET DISPOSITIF POUR LA MISE EN OEUVRE DU PROCEDE**
[72] FANGET, ALAIN, FR
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2017-05-10
[86] 2015-12-10 (PCT/EP2015/079244)
[87] (WO2016/092015)
[30] FR (14 62243) 2014-12-11

[11] **2,967,241**
[13] C
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **HEART VALVE PROSTHESIS**
[54] **PROTHESE DE VALVULE CARDIAQUE**
[72] NAOR, GIL, IL
[72] NETA, YIFTAH, IL
[72] GEVA, AVNER, IL
[72] MEYER-BRODNITZ, GIDEON, IL
[73] MITRASSIST MEDICAL LTD., IL
[85] 2017-05-10
[86] 2015-11-17 (PCT/IL2015/051109)
[87] (WO2016/079737)
[30] US (62/080,619) 2014-11-17

[11] **2,967,281**
[13] C
[51] **Int.Cl. H04W 80/00 (2009.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING UPLINK CONTROL INFORMATION AND DEVICE THEREFOR**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS DE COMMANDE DE LIAISON MONTANTE ET SON DISPOSITIF**
[72] PARK, HANJUN, KR
[72] YANG, SUCKCHEL, KR
[72] HWANG, DAESUNG, KR
[72] AHN, JOONKUI, KR
[72] LEE, SEUNGMIN, KR
[72] LEE, HYUNHO, KR
[73] LG ELECTRONICS INC., KR
[85] 2017-05-10
[86] 2015-12-08 (PCT/KR2015/013404)
[87] (WO2016/093600)
[30] US (62/089,176) 2014-12-08
[30] US (62/096,903) 2014-12-26
[30] US (62/112,669) 2015-02-06
[30] US (62/132,519) 2015-03-13
[30] US (62/204,487) 2015-08-13
[30] US (62/207,917) 2015-08-21
[30] US (62/222,176) 2015-09-22

[11] **2,968,161**
[13] C
[51] **Int.Cl. C11D 7/50 (2006.01) C07C 7/00 (2006.01) C10G 75/00 (2006.01) C23G 5/024 (2006.01)**
[25] EN
[54] **WASH OIL FOR USE AS AN ANTIFOULING AGENT IN GAS COMPRESSORS**
[54] **HUILE DE LAVAGE POUR UTILISATION COMME AGENT ANTITARTRE DANS LES COMPRESSEURS A GAZ**
[72] OUNI, TUOMAS, FI
[72] REGUILLO CARMONA, REBECA, AT
[72] DICKE, RENE, AT
[72] MOTA SALINAS, ANA LILLIA, AT
[73] BOREALIS AG, AT
[85] 2017-05-17
[86] 2015-11-23 (PCT/EP2015/077334)
[87] (WO2016/083290)
[30] EP (14194916.4) 2014-11-26

[11] **2,970,592**
[13] C
[51] **Int.Cl. A61K 33/42 (2006.01) A61K 9/08 (2006.01) A61K 47/38 (2006.01) A61L 27/00 (2006.01) A61P 17/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **AGENT FOR HYPODERMIC INJECTION**
[54] **PREPARATION POUR INJECTION SOUS-CUTANEE**
[72] KANAUCHI, ATSUSHI, JP
[73] MOTEJO. LTD, JP
[85] 2017-06-12
[86] 2015-09-14 (PCT/JP2015/076068)
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[54] **DISPOSITIF D'ADMINISTRATION DE PRODUITS MEDICINAUX**
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[72] PUJOL PRAT, MARIA GLORIA, ES
[72] PONS MOLL, JOAN CARLES, ES
[73] HIPRA SCIENTIFIC, S.L.U., ES
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[54] **HYPOCHLOROUS ACID FORMULATIONS AND METHODS FOR TREATING SKIN CONDITIONS**
[54] **FORMULATIONS D'ACIDE HYPOCHLOREUX ET METHODES DE TRAITEMENT DES MALADIES DE PEAU**
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[72] PANCHEVA, SVETLANA, US
[72] SCHOCKEMOEHL, CARY, US
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[54] **DISPOSITIF DE TEMPORISATEUR ET PROCEDE DE FONCTIONNEMENT DUDIT DISPOSITIF DE TEMPORISATEUR**
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[72] AKINTOYE, MUYIWA, GB
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[73] MARLOW FOODS LIMITED, GB
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[54] **PROCEDE DE PREPARATION DE DISPERSION AQUEUSE DE PROTEINE VEGETALE FAIBLEMENT DISPERSIBLE**
[72] ALTING, AART CORNELIS, NL
[72] LUYTEN, JOHANNA MARIA JOZEFA GEORGINA, NL
[72] WESTERBEEK, JOHANNES MARTINUS MARIA, NL
[73] FRIESLANDCAMPINA NEDERLAND B.V., NL
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[54] **PROTEINE RESISTANTE AUX HERBICIDES, GENE CODANT ET SON UTILISATION**
[72] WU, YECHUN, CN
[72] NIU, XIAOGUANG, CN
[72] TAO, QING, CN
[72] PANG, JIE, CN
[73] BEIJING DABEINONG BIOTECHNOLOGY CO., LTD., CN
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[54] **A METHOD AND A CONTAINER FOR PREPARING A FUSED SAMPLE FOR ANALYSIS**
[54] **PROCEDE ET RECIPIENT PERMETTANT DE PREPARER UN ECHANTILLON FUSIONNE POUR ANALYSE**
[72] JONG, TERRE-BLANCHE DE, AU
[72] HOFMEYR, PIERRE KAREL, AU
[72] WESTHUIZEN, ARNOUX VAN DER, AU
[72] HOHENSTEIN, BOYNE FRIEDERICH, AU
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[72] HU, SHAW-FEN SYLVIA, US
[72] LI, YANG, US
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[72] LAI, WENYIH F., US
[72] ROLLMAN, NICHOLAS S., US
[72] CAO, GUANG, US
[73] EXXONMOBIL CHEMICAL PATENTS INC., US
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[54] **SOLVANT ET PROCEDE PERMETTANT D'ELIMINER DES GAZ ACIDES D'UN MELANGE GAZEUX**
[72] BUMB, PRATEEK, GB
[72] NEELIESETTY, GOPI KIRAN, IN
[73] CARBON CLEAN SOLUTIONS LIMITED, GB
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[72] ZHANG, YULIAN, US
[73] ACTINIUM PHARMACEUEUTICALS, INC., US
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[54] **ONLINE LENDING METHOD, AND DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE DE PRET EN LIGNE, ET PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'INTERACTION DE DONNEES**
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[73] 10353744 CANADA LTD., CA
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[54] **MECANISME DE DISTRIBUTEUR DE MEDICAMENTS PAR DECAPSULAGE**
[72] PAZ, ILAN, IL
[73] DOSENTRX LTD, IL
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[54] **LENDING METHOD, AND DATA INTERACTION PROCESSING METHOD, TERMINAL AND SYSTEM**
[54] **METHODE DE PRET ET METHODE DE TRAITEMENT D'INTERACTION DE DONNEES, TERMINAL ET SYSTEME**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2017-11-29
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[54] **LENDING METHOD, AND DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE DE PRET, ET PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'INTERACTION DE DONNEES**
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[73] 10353744 CANADA LTD., CA
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[54] **APPAREIL A ECRAN DE CONFIDENTIALITE**
[72] UDAGAWA, MASAMICHI, US
[72] MOESLINGER, SIGRID, US
[72] DELISO, JOSEPH A., US
[72] DESKEVICH, ADAM, US
[72] MCKENZIE, JAMES HARRISON, US
[73] KNOLL, INC., US
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[54] **SYSTEM AND METHOD FOR GENERATING CUSTOMIZED USER INTERFACES**
[54] **SYSTEME ET METHODE DE GENERATION D'INTERFACES D'UTILISATEUR PERSONNALISEES**
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[72] VARMA, RAHUL, US
[72] BOAZ, NATHAN M., US
[72] CHARNAUX, SUSAN M., US
[72] WANDMACHER, RANDALL R., US
[72] JHAWAR, KUSH K., US
[72] KAN, SHELBY L., US
[72] LAROSA, MONICA A., US
[72] SCHNEIDER, TANARRA, US
[72] NAGEL, KRISTEN M., US
[72] HARRIS, KELLY A., US
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[72] CHANDRAN, RAJIV, US
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[54] **CO-AGENT HYBRIDE RETARDATEUR DE GRILLAGE/DE DURCISSEMENT**
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[72] SUN, YABIN, CN
[72] COGEN, JEFFREY, US
[72] CAI, YU, CN
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[54] **MATERIAUX SELECTIVEMENT DESINTEGRABLES DANS L'EAU ET CATHETERS FABRIQUES AVEC DE TELS MATERIAUX**
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[72] MONTES DE OCA BALDERAS, HORACIO, IE
[73] HOLLISTER INCORPORATED, US
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[54] **MOYEN D'INTERVERROUILLAGE ET SAC LE COMPRENANT**
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[72] OBAYASHI, MASAYUKI, JP
[73] C.I. TAKIRON CORPORATION, JP
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[54] **PROCEDE, DISPOSITIF ET SYSTEME DE RECEPTION DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
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[54] **PROCEDE, DISPOSITIF ET SYSTEME POUR RECEVOIR UN CERTIFICAT**
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[54] **PROCEDE ET DISPOSITIF DE RECEPTION DE CERTIFICAT ELECTRONIQUE**
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[54] **SERVEUR DE GESTION D'ARGENT, ET PROCEDE ET SYSTEME DE TRAITEMENT DE DONNEES POUR ORGANISER LA DELIVRANCE D'UN CERTIFICAT**
[72] ZHANG, YI, CN
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[54] **SYSTEME DE PAIEMENT INTERBANCAIRE ET PROCEDE DE PAIEMENT INTERBANCAIRE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
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[54] **ONLINE PAYMENT SYSTEM AND ONLINE PAYMENT SYSTEM-BASED SOCIAL NETWORKING PLATFORM CONSTRUCTION METHOD**
[54] **SYSTEME DE PAIEMENT EN LIGNE ET PROCEDE DE CONSTRUCTION DE PLATE-FORME DE RESEAU SOCIAL FONDEE SUR LE SYSTEME DE PAIEMENT EN LIGNE**
[72] ZHANG, YI, CN
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[54] **PROCEDES ET SYSTEMES DE GENERATION DE CONTENU WEB WYSIWYG**
[72] FITZPATRICK, CRAIG, CA
[73] PAGECLOUD INC., CA
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[54] **PROCEDE ET SYSTEME DE PRET A BASE DE DONNEES VOLUMINEUSES**
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[54] **AGENT DE SAUTAGE**
[72] BEATTIE, JAMES KENNETH, AU
[72] DJERDJEV, ALEX MASATO, AU
[72] HAWKETT, BRIAN STANLEY, AU
[72] NETO, CHIARA, AU
[72] PRIYANANDA, PRAMITH, AU
[73] THE UNIVERSITY OF SYDNEY, AU
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[54] **MACHINE D'EMPILEMENT DE BOITES D'OEUFS**
[72] WENGER, DEAN A., US
[72] METZLER, DARWIN H., US
[73] WENGER, DEAN A., US
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[54] **SYSTEME DE SUIVI ET D'IDENTIFICATION D'UTILISATEUR**
[72] GLEASON, MARK, US
[72] DARBYSHIRE, MEREDITH, US
[72] WEBBER, KEN, US
[72] RICKARD, JERRAD, US
[72] HARLAMERT, JOHN, US
[73] DMD MARKETING LP, US
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[54] **PROCEDE POUR LE TRAITEMENT DE MALADIES NEURODEGENERATIVES**
[72] NGUYEN, KHOA DINH, US
[72] ENGLEMAN, EDGAR G., US
[73] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[25] EN
[54] **COMPOSITIONS CONTAINING, METHODS INVOLVING, AND USES OF NON-NATURAL AMINO ACIDS AND POLYPEPTIDES**
[54] **COMPOSITIONS CONTENANT DES ACIDES AMINES NON NATURELS ET DES POLYPEPTIDES, PROCEDES IMPLIQUANT CES ACIDES AMINES NON NATURELS ET POLYPEPTIDES, ET UTILISATIONS DESDITS ACIDES AMINES NON NATURELS ET POLYPEPTIDES**
[72] MIAO, ZHENWEI, US
[72] LIU, JUNJIE, US
[72] NORMAN, THEA, US
[72] DRIVER, RUSSELL, US
[73] AMBRX, INC., US
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[54] **PARTIE DE TRANSMISSION DE FORCE DE ROTATION**
[72] UENO, TAKAHITO, JP
[72] MIYABE, SHIGEO, JP
[72] MORIOKA, MASANARI, JP
[72] HISANO, MASATO, JP
[73] CANON KABUSHIKI KAISHA, JP
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[54] **ION-CONDUCTING MEMBRANE PRODUCTION METHOD AND PRODUCTION DEVICE**
[54] **PROCEDE DE PRODUCTION DE MEMBRANE CONDUCTRICE D'IONS ET DISPOSITIF DE PRODUCTION**
[72] FUKUDA, SEIJI, JP
[72] YABUUCHI, YUKO, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2018-06-05
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[54] **INSPECTION APPARATUS**
[54] **APPAREIL D'INSPECTION**
[72] DEEFHOLTS, BENEDICT, GB
[72] KELF, TIMOTHY, GB
[73] BUHLER UK LIMITED, GB
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[54] **SYSTEM AND METHOD FOR DISPENSE CHARACTERIZATION**
[54] **SYSTEME ET PROCEDE DE CARACTERISATION DE DISTRIBUTION**
[72] EWONIUK, AARON, US
[72] MILLER, DYLAN, US
[72] TALUCCI, KEVIN, US
[73] VENTANA MEDICAL SYSTEMS, INC., US
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[54] **REMISE EN ETAT ET/OU RETABLISSEMENT D'UN CORPS D'EAU ANOXIQUE**
[72] WASSMANN, HARTMUT, DE
[72] KLEMZ, ROMAN, DE
[73] YARA INTERNATIONAL ASA, NO
[85] 2018-07-25
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[54] **FRIZZLED5 PROTEIN-BINDING AGENTS**
[54] **AGENTS DE LIAISON PROTEIQUE FRIZZLED5**
[72] PAN, GUOHUA, CA
[72] MOFFAT, JASON, CA
[72] SIDHU, SACHDEV, CA
[72] ANGERS, STEPHANE, CA
[72] STEINHART, ZACHARY, CA
[72] WANG, XIAOWEI, CA
[73] MODMAB THERAPEUTICS CORPORATION, US
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[54] **WEATHER SENSOR INCLUDING VERTICALLY STACKED MULTI-POWER MODULES**
[54] **CAPTEUR METEOROLOGIQUE COMPRENANT DES MODULES MULTI-INTENSITES EMPILES VERTICALEMENT**
[72] ULMER, CHRISTOPHER T., US
[73] INTELLISENSE SYSTEMS, INC., US
[85] 2018-08-07
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[54] **A BALL LAUNCHER AND BALL GAMING SYSTEM INCLUDING SUCH BALL LAUNCHER**
[54] **LANCE-BILLE ET SYSTEME DE JEU A BILLE COMPRENANT LEDIT LANCE-BILLE**
[72] BURGSTALLER, JURGEN, AT
[72] STEGEL, MIHA, SI
[72] ZUPANCIC, SILVESTER, SI
[72] JOJIC, SINISA, SI
[73] NOVOMATIC AG, AT
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[54] **METHOD AND WIND TURBINE FOR FEEDING ELECTRIC POWER**
[54] **PROCEDE ET EOLIENNE POUR L'INJECTION D'ENERGIE ELECTRIQUE**
[72] BROMBACH, JOHANNES, DE
[73] WOBBEN PROPERTIES GMBH, DE
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[54] **CELLULOSIC COMPOSITES COMPRISING WOOD PULP**
[54] **COMPOSITES CELLULOSIQUES COMPRENANT DE LA PATE DE BOIS**
[72] MACLEAN, BRIAN, CA
[72] PEACE, EDWIN, CA
[72] CERNOHOUS, JEFFREY JACOB, US
[72] ELLIOTT, DEAN JUSTIN, US
[73] WEST FRASER MILLS LTD., CA
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[54] **DETECTION D'EVENEMENTS EN PROFONDEUR DE FORAGE EN UTILISANT DES CARACTERISTIQUES ACOUSTIQUES DE DOMAINE FREQUENTIEL**
[72] LANGNES, TOMMY, GB
[72] THIRUVENKATANATHAN, PRADYUMNA, GB
[73] BP EXPLORATION OPERATING COMPANY LIMITED, GB
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[54] **PERFORMANCE PARAMETERIZATION OF PROCESS EQUIPMENT AND SYSTEMS**
[54] **ETABLISSEMENT DE PARAMETRES DE FONCTIONNEMENT D'EQUIPEMENT ET DE SYSTEMES DE TRAITEMENT**
[72] ASIWAJU, OLATUNJI, CA
[72] THOMSEN, PETER, CA
[73] S.A. ARMSTRONG LIMITED, CA
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[54] **METHOD AND DEVICE FOR GENERATING ELECTRONIC TRANSACTION CERTIFICATE PAGE, AND STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF DE GENERATION DE PAGE DE CERTIFICAT DE TRANSACTION ELECTRONIQUE, ET SUPPORT D'INFORMATIONS**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
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[54] **IMPROVED AQUEOUS PIGMENT DISPERSIONS**
[54] **DISPERSIONS AQUEUSES AMELIOREES DE PIGMENTS**
[72] GOLODETZ, GALIA, IL
[72] LANDA, BENZION, IL
[72] ABRAMOVICH, SAGI, IL
[72] AVITAL, DAN, IL
[72] KUPERWASSER, JOSE, IL
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[54] **DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'INTERACTION DE DONNEES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
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[54] **DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM FOR INCREASING MATCHING SPEED AND EFFICIENCY**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'INTERACTION DE DONNEES POUR AUGMENTER LA VITESSE ET L'EFFICACITE CORRESPONDANTES.**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-11-28
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[54] **ELECTRIC STRIKE WITH TWO INDEPENDENT LATCHES**
[54] **GACHE ELECTRIQUE COMPRENANT DEUX LOQUETS INDEPENDANTS**
[72] SCHILDWACHTER, WILLIAM, US
[72] ORBETA, FERDINAND E., US
[73] TRINE ACCESS TECHNOLOGY, INC., US
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[54] **HARD WATER TREATMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE TRAITEMENT DE L'EAU DURE**
[72] WASHBURN, LAIRD, US
[72] TERRY, SEAN, US
[73] NUVO RESIDENTIAL, LLC DBA NUVOH2O, US
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[54] **POLYOLEFIN-BASED COMPOSITION FOR A LID AND METHODS OF MAKING AND USING**
[54] **COMPOSITION A BASE DE POLYOLEFINE DESTINEE A UN COUVERCLE ET METHODES DE FABRICATION ET UTILISATION**
[72] LI, CHENGTAO, US
[73] DART CONTAINER CORPORATION, US
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[54] **METHOD AND DEVICE FOR DATA EXCHANGE PROCESSING**
[54] **PROCEDE ET DISPOSITIF POUR UN TRAITEMENT D'ECHANGE DE DONNEES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2019-03-13
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[54] **POWDER CONTAINER AND IMAGE FORMING APPARATUS**
[54] **RESERVOIR A POUDRE ET APPAREIL DE FORMATION D'IMAGES**
[72] HOSOKAWA, HIROSHI, JP
[72] IKEGUCHI, HIROSHI, JP
[72] KATO, SHUNJI, JP
[72] MITSUISHI, KAORI, JP
[72] TAMAKI, SHINJI, JP
[72] TERAZAWA, SEIJI, JP
[72] TOMOTAKA, TOSHIHIDE, JP
[72] WATANABE, TSUNEHIRO, JP
[72] YAMABE, JUNJI, JP
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[73] RICOH COMPANY, LIMITED, JP
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[54] **VOD PRODUCT RENDERING CONTROLLER**
[54] **CONTROLEUR DE RENDU DE PRODUIT VIDEO SUR DEMANDE**
[72] MILFORD, MATTHEW A., US
[73] ARRIS ENTERPRISES LLC, US
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[54] **SELF CONTAINED WOUND DRESSING APPARATUS**
[54] **DISPOSITIF INTEGRE A UN PANSEMENT**
[72] PATEL, HARISH A., US
[72] ACHESON, DIANNE, US
[73] SMITH & NEPHEW, INC., US
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[54] **ECHANGEUR D'ENERGIE A MEMBRANE LIQUIDE/AIR**
[72] ERB, BLAKE, CA
[72] BESANT, ROBERT W., CA
[72] SIMONSON, CAREY J., CA
[72] HEMINGSON, HOWARD, CA
[73] UNIVERSITY OF SASKATCHEWAN, CA
[73] NORTEK AIR SOLUTIONS CANADA, INC., CA
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[54] **CORE-IN-SHELL COMPOSITE ADSORBENT FOR USE IN PSA PREPURIFIERS**
[54] **ADSORBANT COMPOSITE COEUR-ECORCE DESTINE A ETRE UTILISE DANS DES PRE-EPURATEURS DE SPA**
[72] ZHENG, JIAN, US
[72] STEPHENSON, NEIL A., US
[72] PONTONIO, STEVEN J., US
[72] SCHOTZ, CHRISTOPHER D., US
[72] BARRETT, PHILIP A., US
[73] PRAXAIR TECHNOLOGY, INC., US
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[54] **SYSTEMS AND METHODS FOR MANAGING VOLTAGE EVENT ALARMS IN AN ELECTRICAL SYSTEM**
[54] **SYSTEMES ET METHODES DE GESTION D`ALARMES DE TENSION DANS UN SYSTEME ELECTRIQUE**
[72] BICKEL, JON A., US
[73] SCHNEIDER ELECTRIC USA, INC., US
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[54] **COURBES DE TOLERANCE DYNAMIQUES A L`UTILISATION DES SYSTEMES DE SURVEILLANCE DE LA PUISSANCE**
[72] BICKEL, JON A., US
[73] SCHNEIDER ELECTRIC USA, INC., US
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[54] **COMBINED IRRIGATION AND RINSING TUBE SET**
[54] **JEU DE TUBES DE RINCAGE ET D'IRRIGATION COMBINES**
[72] BENDELE, TRAVIS HENRY, US
[72] ADAMS, CHRISTOPHER STEVEN, US
[72] GRUDO, DINA, US
[72] BYRNE, DON, US
[72] SMITH, LEON RUSS, US
[73] MEDIVATORS INC., US
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[54] **PROCEDE D'ESTIMATION DE VOLUME SANGUIN**
[72] CAREW, CHRISTOPHER, US
[72] LING, JIAN, US
[72] DUPERIER, HAROLD T., III, US
[73] CYPHER MEDICAL, LLC, US
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[54] **METHOD FOR PROVIDING PAYMENT GATEWAY SERVICE USING UTXO-BASED PROTOCOL AND SERVER USING SAME**
[54] **PROCEDE DE FOURNITURE DE SERVICE DE PASSERELLE DE PAIEMENT A L'AIDE D'UN PROTOCOLE BASE SUR UTXO ET SERVEUR UTILISANT CE DERNIER**
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[72] HONG, JAY WU, KR
[73] COINPLUG, INC., KR
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[54] **ROCK SAMPLE PREPARATION METHOD BY USING FOCUSED ION BEAM FOR MINIMIZING CURTAIN EFFECT**
[54] **PROCEDE DE PREPARATION D'ECHANTILLON DE ROCHE AU MOYEN D'UN FAISCEAU IONIQUE FOCALISE POUR MINIMISER L'EFFET RIDEAU**
[72] CHA, DONG, KYU, SA
[72] ENEZI, SULTAN, SA
[72] AL-OTAIBI, MOHAMMED, SA
[72] AL-YOUSEF, ALI ABDALLAH, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
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[54] **QUANTIFICATION DU VOLUME D'UN RESERVOIR ET DE LA LIMITE DE PRESSION D'UNE POMPE**
[72] ABOU-SAYED, AHMED, US
[72] LOLOI, MEHDI, US
[72] BLOCK, GARETH, US
[72] ABOU-SAYED, OMAR, US
[73] ADVANTEK INTERNATIONAL CORPORATION, US
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[54] **MIXED POWDER FOR POWDER METALLURGY, SINTERED BODY, AND METHOD FOR PRODUCING SINTERED BODY**
[54] **MELANGE DE POUDRES POUR METALLURGIE DES POUDRES, ET CORPS FRITTE AINSI QUE PROCEDE DE FABRICATION DE CELUI-CI**
[72] KOBAYASHI, AKIO, JP
[72] NAKAMURA, NAOMICHI, JP
[73] JFE STEEL CORPORATION, JP
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[54] **SYSTEME D'INSTALLATION DE TUBAGE DE PUITS MULTIPLE**
[72] MILLER, DAVID M., US
[73] MILLER, DAVID M., US
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[54] **SPINNING SHOWERHEAD**
[54] **POMME DE DOUCHE TOURNANTE**
[72] ROSKO, MICHAEL SCOT, US
[72] EADS, THAD J., US
[73] DELTA FAUCET COMPANY, US
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[54] **ANTI-CD3 ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-CD3 ET METHODES D'UTILISATION**
[72] CHEN, XIAOCHENG, US
[72] DENNIS, MARK S., US
[72] EBENS, ALLEN J., JR., US
[72] JUNTTILA, TEEMU T., US
[72] KELLEY, ROBERT F., US
[72] MATHIEU, MARY A., US
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[73] GENENTECH, INC., US
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[54] **HYBRID TRANSFORMER SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE TRANSFORMATEURS HYBRIDES**
[72] DIVAN, DEEPAKRAJ M., US
[72] KANDULA, RAJENDRA PRASAD, US
[73] GEORGIA TECH RESEARCH CORPORATION, US
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[54] **PURGE DE COMPRESSEURS DE GAZ NATUREL**
[72] ECHTER, NICHOLAS PAUL, US
[72] WEYER-GEIGEL, KRISTINA, US
[73] ONBOARD DYNAMICS, LLC., US
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[54] **SYSTEME DE PAIEMENT BASE SUR UN SERVEUR DE GESTION DE FONDS CROISES, ET PROCEDE, DISPOSITIF ET SERVEUR ASSOCIE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
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[54] **METHOD AND SYSTEM FOR INTEGRATING WEB-BASED SYSTEMS WITH LOCAL DOCUMENT PROCESSING APPLICATIONS**
[54] **PROCEDE ET SYSTEME PERMETTANT D'INTEGRER DES SYSTEMES BASES SUR LE WEB A DES APPLICATIONS LOCALES DE TRAITEMENT DE DOCUMENTS**
[72] LIGHT, MARC, US
[72] HURWITZ, JOEL, US
[72] AL-KOFAHI, KHALID, US
[72] LARSON, CRAIG, US
[72] KOCH, KEVIN, US
[72] DEMOSS, DAVID, US
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[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
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[54] **RECIPIENTS EN VERRE AYANT UNE RESISTANCE AU DELAMINAGE ET UNE TOLERANCE A L'ENDOMMAGEMENT AMELIOREE**
[72] CHANG, THERESA, US
[72] DANIELSON, PAUL STEPHEN, US
[72] DEMARTINO, STEVEN EDWARD, US
[72] FADEEV, ANDREI GENNADYEVICH, US
[72] MORENA, ROBERT MICHAEL, US
[72] PAL, SANTONA, US
[72] PEANASKY, JOHN STEPHEN, US
[72] SCHAUT, ROBERT ANTHONY, US
[72] TIMMONS, CHRISTOPHER LEE, US
[72] VENKATARAMAN, NATESAN, US
[72] VERKLEEREN, RONALD LUCE, US
[72] BOOKBINDER, DANA CRAIG, US
[73] CORNING INCORPORATED, US
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[54] **CARBON BLACK WITH AN STSA OF 80 TO 150 M2/G, AN OAN OF AT LEAST 180 ML/100G AND A COAN OF AT LEAST 110 ML/100G AND RUBBER COMPOUNDS INCORPORATING SAME**
[54] **NOIR DE CARBONE AYANT UNE STSA DE 80 A 150 M2/G, UN OAN D'AU MOINS 180 ML/100 G ET UN COAN D'AU MOINS 110 ML/100 G ET COMPOSES DE CAOUTCHOUC LE CONTENANT**
[72] CHOI, JAESUN, KR
[72] CLARKE, THEIS F., US
[72] DOSHI, DAVAL, US
[73] CABOT CORPORATION, US
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[54] **LENDING METHOD, AND DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE DE PRET ET PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'INTERACTION DE DONNEES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
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[54] **CONDUIT DE FLUIDE CHAUFFE**
[72] MOSS, THOMAS, III, US
[72] WARNEKE, ALEX, US
[72] SAUPE, TIM, US
[73] GATES CORPORATION, US
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[54] **COMPOSITION AGROCHIMIQUE STABLE ET PROCEDE CORRESPONDANT**
[72] MORE, PRAVIN, IN
[72] TALATI, PARESH, IN
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[73] UPL LTD, IN
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[54] **PROCEDE ET APPAREILS DE TAMISAGE**
[72] COLGROVE, JAMES R., US
[72] SMITH, CLIFFORD C., US
[73] DERRICK CORPORATION, US
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[54] **ELEMENTS REGULATEURS DES PLANTES ET LEURS UTILISATIONS**
[72] FLASINSKI, STANISLAW, US
[72] FOAT, BARRETT C., US
[72] OUFATTOLE, MOHAMMED, US
[72] SHULTZ, RANDALL W., US
[72] WEI, XIAOPING, US
[72] WU, WEI, US
[72] YANG, SHIAW-PYNG, US
[73] MONSANTO TECHNOLOGY LLC, US
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[54] **ELEMENTS REGULATEURS DES PLANTES ET LEURS UTILISATIONS**
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[72] FOAT, BARRETT C., US
[72] OUFATTOLE, MOHAMMED, US
[72] SHULTZ, RANDALL W., US
[72] WEI, XIAOPING, US
[72] WU, WEI, US
[72] YANG, SHIAW-PYNG, US
[73] MONSANTO TECHNOLOGY LLC, US
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[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
[54] **ELEMENTS REGULATEURS DES PLANTES ET LEURS UTILISATIONS**
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[72] FOAT, BARRETT C., US
[72] OUFATTOLE, MOHAMMED, US
[72] SHULTZ, RANDALL W., US
[72] WEI, XIAOPING, US
[72] WU, WEI, US
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[73] MONSANTO TECHNOLOGY LLC, US
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[54] **PRESSURE-TIGHT STORAGE VESSEL CONTAINING A LIQUID**
[54] **RECIPIENT DE STOCKAGE ETANCHE A LA PRESSION QUI CONTIENT UN LIQUIDE**
[72] HUTH, BIANCA, DE
[72] KOWTUN, ALEXANDER, DE
[72] KOSCHINAT, LARS, DE
[72] MOLLENHAUER, FRANK, DE
[72] STOECKER, WINFRIED, DE
[73] EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG, DE
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[54] **MODIFIED MEMBRANE TYPE SERINE PROTEASE 1 (MTSP-1) POLYPEPTIDES AND METHODS OF USE**
[54] **POLYPEPTIDES DE SERINE PROTEASE 1 DE TYPE A MEMBRANE MODIFIEE (MTSP-1) ET LEURS PROCEDES D'UTILISATION**
[72] MADISON, EDWIN L., US
[72] SOROS, VANESSA, US
[72] POPKOV, MIKHAIL, US
[73] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2019-12-18
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[54] **MECANISME DE DEBLOCAGE DE VERROU ROTATIF ACTIONNE PAR CHARGE AXIALE**
[72] SLACK, MAURICE WILLIAM, CA
[73] NOETIC TECHNOLOGIES INC., CA
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[54] **BLOCKWISE PARALLEL FROZEN BIT GENERATION FOR POLAR CODES**
[54] **GENERATION DE BITS FIGES PARALLELES DANS LE SENS DU BLOC POUR DES CODES POLAIRES**
[72] MAUNDER, ROBERT, GB
[72] BREJZA, MATTHEW, GB
[72] ZHONG, SHIDA, GB
[72] ANDRADE, ISAAC, GB
[72] CHEN, TAIHAI, GB
[73] ACCELERCOMM LTD, GB
[85] 2020-01-09
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[25] EN
[54] **METHOD AND APPARATUS FOR CALIBRATION OF BLOWN-FILM EXTRUSION APPARATUS**
[54] **METHODE ET APPAREIL POUR L`ETALONNAGE D`UN APPAREIL D`EXTRUSION DE FILMS SOUFFLES**
[72] JOSEPH, DANIEL R., US
[73] JOSEPH, DANIEL R., US
[86] (3071342)
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[25] EN
[54] **THREE LAYER BLANK CONTAINING DOPED ZIRCONIUM DIOXIDE FOR USE IN PRODUCING A DENTAL RESTORATION**
[54] **DECOUPE EN TROIS COUCHES CONTENANT DU DIOXYDE DE ZIRCONIUM DOPE AUX FINS D'UTILISATION DANS LA PRODUCTION D'UNE RESTAURATION DENTAIRE**
[72] VOLKL, LOTHAR, DE
[72] FECHER, STEFAN, DE
[72] KUTZNER, MARTIN, DE
[72] HORHOLD, HEINER, DE
[73] DENTSPLY SIRONA INC., US
[73] DEGUDENT GMBH, DE
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[25] EN
[54] **FIBROUS ELEMENTS, FIBROUS STRUCTURES, AND PRODUCTS COMPRISING A DETERRENT AGENT AND METHODS FOR MAKING SAME**
[54] **ELEMENTS FIBREUX, STRUCTURES FIBREUSES ET PRODUITS COMPRENANT UN AGENT DE DISSUASION, ET PROCEDES DE FABRICATION**
[72] WEISMAN, PAUL THOMAS, US
[72] SIVIK, MARK ROBERT, US
[72] HAMERSKY, MARK WILLIAM, US
[72] TROKHAN, PAUL DENNIS, US
[73] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
[54] **APPARATUS AND METHOD FOR GENERATING BROADCAST SIGNAL FRAME USING LAYERED DIVISION MULTIPLEXING**
[54] **APPAREIL ET PROCEDE POUR GENERER UNE TRAME DE SIGNAL DE DIFFUSION A L'AIDE D'UN MULTIPLEXAGE PAR REPARTITION EN COUCHES**
[72] LEE, JAE-YOUNG, KR
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[72] HUR, NAM-HO, KR
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[54] **PEPTIDE AYANT DES EFFETS ANTI-DIABETIQUES ET ANTI-OBESITE, ET SON UTILISATION**
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[72] KIM, EUN MI, KR
[73] CAREGEN CO., LTD., KR
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[54] **APPAREIL ET PROCEDES D'HEMODIALYSE**
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[72] GRANT, KEVIN L., US
[72] DEMERS, JASON A., US
[72] DALE, JAMES D., US
[72] COLLINS, DAVID E., US
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[54] **GRILLES LOGIQUES EN MODE DE PHASE INVERSE**
[72] BRAUN, ALEXANDER LOUIS, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
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[54] **PROCEDE DE PREPARATION DE MOUSSES DE POLYAMIDE EXTRUDEES**
[72] ZHA, MIN, US
[72] WANG, MIN, US
[73] ADVANSIX RESINS & CHEMICALS LLC, US
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[54] **DISPOSITIF DE CONTROLE DE CHARGE POUR CHARGES A HAUTE EFFICACITE**
[72] MACADAM, RUSSELL L., US
[72] PARENT, JOSEPH T., US
[72] WEIGHTMAN, RUSSELL, US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
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[54] **PROCEDE ET APPAREIL POUR DES APPLICATIONS DE MESURE DE L'AIR EN TEMPS REEL DANS DU BETON FLUIDE**
[72] BIESAK, JOHN, US
[72] LOOSE, DOUGLAS H., US
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[54] **ARCEAU A DOUBLE VERROUILLAGE**
[72] KINDSTRAND, DANIEL HUGH, US
[72] RAMAKRISHNA, MANJUNATHA, IN
[73] SCHLAGE LOCK COMPANY LLC, US
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[54] **SYSTEME DE MISE EN PLACE D'UN DISPOSITIF A UN EMPLACEMENT DISTAL DANS UN VAISSEAU MALADE**
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[54] **SYSTEME DE PAIEMENT BASE SUR UN SERVEUR DE GESTION DE FONDS PARTAGE, ET PROCEDE, DISPOSITIF ET SERVEUR ASSOCIES**
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[54] **ACTIVATEUR DE NERF NON INVASIF A CIRCUIT ADAPTATIF**
[72] DRUKE, MICHAEL BERNARD, US
[72] LOH, ALAN E., US
[72] SCOTT, ROBERT W., US
[72] WEI, ANTHONY, US
[72] CREASEY, GRAHAM HAROLD, US
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[72] MOLLOY, PETER, AU
[72] LAPOINTE, LAWRENCE, AU
[72] PEDERSEN, SUSANNE, AU
[73] CLINICAL GENOMICS PTY LTD, AU
[73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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[54] **APPAREIL DE RECEPTION ET METHODE DE RECEPTION CONNEXE**
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[72] HWANG, SUNG-HEE, KR
[72] OH, YOUNG-HO, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[54] **AMELIORATION DES PERFORMANCES DES SYSTEMES DE VISION PROCHE DE L'OEIL**
[72] JONES, FRANK, CA
[72] BACQUE, JAMES BENSON, CA
[72] HARRIS, MARK, CA
[73] ESIGHT CORP., CA
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[54] **COMPUTERIZED NETWORK SYSTEM FOR INITIATING, FACILITATING, AUDITING, AND MANAGING COMMUNICATIONS AND DOCUMENTS INVOLVING PROFESSIONAL EXPERTISE**
[54] **SYSTEME DE RESEAU INFORMATISE POUR INITIER, FACILITER, AUDITER ET GERER DES COMMUNICATIONS ET DES DOCUMENTS IMPLIQUANT UNE EXPERTISE PROFESSIONNELLE**
[72] O'BRIEN, BEATRICE T., US
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[72] HARMS, DAVID CHRISTOPHER, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
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[54] **METHOD AND SYSTEM FOR SECURE DIGITAL DOCUMENTATION OF SUBJECTS USING HASH CHAINS**
[54] **PROCEDE ET SYSTEME DE SECURISATION D'UNE DOCUMENTATION NUMERIQUE ASSOCIEE A DES SUJETS AU MOYEN DE CHAINES DE HACHAGE**
[72] SCOTT, GLENN, US
[72] MEIKE, ROGER, US
[72] GABRIEL, MICHAEL RICHARD, US
[72] PANCHEVRE, IAN, US
[72] EFTEKHARI, AMIR, US
[72] PENTLAND, IAN, US
[73] INTUIT INC., US
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[72] FINLAYSON, TREVOR, CA
[73] SYNCRUDE CANADA LTD. IN TRUST FOR THE OWNERS OF THE SYNCRUDE PROJECT AS SUCH OWNERS EXIST NOW AND IN THE FUTURE, CA
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[72] ELIASSEN, TRYGVE MEUM, NO
[72] SOLBAKK, INGE TOM, NO
[72] RODE, MARIT, NO
[72] MARTINSEN, BERNT, NO
[72] AAS-ENG, ANNE, NO
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[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION D'INFORMATIONS**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[72] CHEN, PING, US
[72] CHENG, HENGMIAO, US
[72] COLLINS, MICHAEL RAYMOND, US
[72] LINTON, MARIA ANGELICA, US
[72] MADERNA, ANDREAS, US
[72] NAGATA, ASAKO, US
[72] PALMER, CYNTHIA, US
[72] PLANKEN, SIMON, US
[72] SPANGLER, JILLIAN ELYSE, US
[72] BROOUN, ALEXEI, US
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[54] **PIPE ELEMENT HAVING SHOULDER, GROOVE AND BEAD AND METHODS AND APPARATUS FOR MANUFACTURE THEREOF**
[54] **ELEMENT DE TUYAU AYANT UN EPAULEMENT, UNE RAINURE ET UN BOURRELET ET PROCEDES ET APPAREIL PERMETTANT DE FABRIQUER CE DERNIER**
[72] NOVITSKY, MICHAEL R., US
[72] HAAS, EARL, US
[72] WILK, CHARLES E., JR., US
[72] MADARA, SCOTT D., US
[72] CUVO, ANTHONY J., US
[72] DOLE, DOUGLAS R., US
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[54] **DECLENCHEUR D'ACTIONNEMENT**
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[72] HAMMER, AARON, US
[72] WOUDWIJK, ROY, US
[73] BAKER HUGHES HOLDINGS LLC, US
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[54] **PROCEDES ET COMPOSITIONS DE PRODUCTION DE BIOMETHANE.**
[72] JENSEN, JACOB WAGNER, DK
[72] RONSCH, GEORG ORNSKOV, DK
[72] ANTONSEN, SEBASTIAN BUCH, DK
[73] RENESCIENCE A/S, DK
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[54] **DIAGNOSTIC ANTICIPE DE VIABILITE DE MODE DE FONCTIONNEMENT DE DISPOSITIF DE PERFUSION**
[72] MONIRABBASI, SALMAN, US
[72] LINTEREUR, LOUIS J., US
[72] YAN, JIN, US
[73] MEDTRONIC MINIMED, INC., US
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[54] **APPAREIL DE CINTRAGE DE TUBES POUR TUBE EN SPIRALE**
[72] SUGAHARA, HIROSHI, JP
[72] BABA, TATSUROU, JP
[72] TSUDA, NAOYA, JP
[72] YAMASAKI, MASAHIRO, JP
[73] SEKISUI CHEMICAL CO., LTD., JP
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[30] JP (2016-167491) 2016-08-30
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[54] **CONCEPTION D'UNE PREPARATION VIRTUELLE ET D'UNE GENCIVE VIRTUELLE**
[72] FISKER, RUNE, DK
[72] NONBOE, SVEN, DK
[73] 3SHAPE A/S, DK
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[54] **SYSTEM AND METHOD FOR QUALITY ASSURANCE OF A BIOSENSOR TEST STRIP**
[54] **SYSTEME ET PROCEDE D'ASSURANCE DE QUALITE D'UNE BANDE TEST DE BIO-DETECTEUR**
[72] CELENTANO, MICHAEL J., US
[72] GROLL, HENNING, US
[72] PAULEY, JAMES L., US
[72] MOORE, STEVEN K., US
[73] F. HOFFMANN-LA ROCHE AG, CH
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[54] **ADHESIVE LAMINATES AND METHOD FOR MAKING ADHESIVE LAMINATES**
[54] **STRATIFIES ADHESIFS ET PROCEDE DE FABRICATION DE STRATIFIES ADHESIFS**
[72] BARTHOLOMEW, ERIC L., US
[72] DHOPATKAR, NISHAD, US
[72] GHOUSSOUB, YARA, US
[72] JANKO, PAVEL, US
[72] KLITTICH, MENA R., US
[72] KOHLER, CHRISTOPHER E., US
[72] MILLER, BRANDON S., US
[72] O'DONNELL, KERRY L., US
[72] WHITMAN, DAVID W., US
[73] AVERY DENNISON CORPORATION, US
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[54] **SYSTEME DE SOURCE DE FLUX MAGNETIQUE**
[72] FERGUSON, DAVID GEORGE, US
[72] NOVIKOV, SERGEY S., US
[72] PRZYBYSZ, ANTHONY JOSEPH, US
[72] HINKEY, ROBERT T., US
[72] PESETSKI, AARON A., US
[72] ZICK, KENNETH M., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2020-11-06
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[51] **Int.Cl. E21B 43/10 (2006.01) E21B 23/01 (2006.01)**
[25] EN
[54] **LINER HANGER WITH HARDENED ANCHORING RIDGES**
[54] **DISPOSITIF DE SUSPENSION DE COLONNE PERDUE AVEC ARETES D'ANCRAGE DURCIES**
[72] HAZELIP, GARY LYNN, US
[73] HALLIBURTON ENERGY SERVICES,INC., US
[85] 2020-11-12
[86] 2018-08-14 (PCT/US2018/046702)
[87] (WO2020/036592)

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[51] **Int.Cl. C08L 79/08 (2006.01) B01D 39/00 (2006.01) C08G 73/10 (2006.01) C08J 9/28 (2006.01)**
[25] EN
[54] **HIGHLY BRANCHED NON-CROSSLINKED AEROGEL, METHODS OF MAKING, AND USES THEREOF**
[54] **AEROGEL NON RETICULE HAUTEMENT RAMIFIE, PROCEDES DE FABRICATION ET UTILISATIONS CORRESPONDANTES**
[72] POE, GARRETT, US
[72] SAKAGUCHI, ALAN, US
[72] LAMBDIN, NICOLE, US
[72] KOLDAN, KENNETH, US
[73] BLUESHIFT MATERIALS, INC., US
[86] (3100270)
[87] (3100270)
[22] 2016-10-19
[62] 3,002,391
[30] US (62/248,763) 2015-10-30
[30] US (62/262,055) 2015-12-02
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[25] EN
[54] **COMBINATION MEDICAMENT COMPRISING IL-12 AND AN AGENT FOR BLOCKADE OF T-CELL INHIBITORY MOLECULES FOR TUMOUR THERAPY**
[54] **COMBINAISON MEDICAMENTEUSE COMPRENANT DE L'IL-12 ET UN AGENT DE BLOCAGE DE MOLECULES INHIBITRICES DES LYMPHOCYTES T POUR UNE THERAPIE ANTI-TUMORALE**
[72] BECHER, BURKHARD, CH
[72] VOM BERG, JOHANNES, CH
[73] UNIVERSITAT ZURICH PROREKTORAT MNW, CH
[86] (3101783)
[87] (3101783)
[22] 2012-10-10
[62] 2,850,575
[30] EP (11184644.0) 2011-10-11
[30] EP (11188625.5) 2011-11-10
[30] US (61/573,200) 2011-11-14
[30] EP (12185108.3) 2012-09-19

[11] **3,102,383**
[13] C
[51] **Int.Cl. B32B 1/02 (2006.01) B32B 7/023 (2019.01) B32B 3/26 (2006.01) B32B 27/08 (2006.01) B32B 27/18 (2006.01) B29B 11/08 (2006.01) B29C 45/16 (2006.01) B29C 49/06 (2006.01) B29C 49/22 (2006.01) B65D 1/02 (2006.01)**
[25] EN
[54] **BLOW MOLDED ARTICLE WITH VISUAL EFFECTS**
[54] **ARTICLE MOULE PAR SOUFFLAGE AVEC EFFETS VISUELS**
[72] AGERTON, MARK LEWIS, US
[72] MAMAK, MARC ANDREW, US
[72] NEUFARTH, BRADLEY SCOTT, US
[72] HORTON, ANDREW JOSEPH, US
[72] CONSTANTINIDES, IOANNIS CONSTANTINE, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-12-02
[86] 2019-07-02 (PCT/US2019/040221)
[87] (WO2020/018272)
[30] US (62/699,493) 2018-07-17
[30] US (16/158,719) 2018-10-12

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[13] C
[51] **Int.Cl. B65D 71/50 (2006.01) A47J 47/14 (2006.01)**
[25] EN
[54] **CONTAINER CARRIER WITH FLEXIBLE FLANGE**
[54] **PORTE-CONTENEUR A BRIDE SOUPLE**
[72] BORG, ZAKARY JAMES, US
[72] MELLOR, RONALD LEE, JR., US
[73] OREGON PRECISION INDUSTRIES, INC. DBA PAKTECH, US
[86] (3102811)
[87] (3102811)
[22] 2017-06-29
[62] 2,972,081
[30] US (15/449,831) 2017-03-03

[11] **3,104,897**
[13] C
[51] **Int.Cl. A61H 3/02 (2006.01)**
[25] EN
[54] **HANDS-FREE CRUTCH**
[54] **BEQUILLE SANS LES MAINS**
[72] HUNTER, BRADLY, US
[73] IWALKFREE, INC., CA
[86] (3104897)
[87] (3104897)
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[62] 2,859,683
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[51] **Int.Cl. B01D 17/04 (2006.01) C10G 33/04 (2006.01)**
[25] EN
[54] **METHODS OF USING IONIC LIQUIDS AS DEMULSIFIERS**
[54] **PROCEDES D'UTILISATION DE LIQUIDES IONIQUES COMME DESEMULSIFIANTS**
[72] WEERS, JERRY, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2020-12-23
[86] 2019-07-11 (PCT/US2019/041448)
[87] (WO2020/014510)
[30] US (62/696,544) 2018-07-11

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[51] **Int.Cl. A61B 17/16 (2006.01)**
[25] EN
[54] **ADJUSTABLE DRILLING DEVICE AND A METHOD FOR USE THEREOF**
[54] **DISPOSITIF DE PERCAGE REGLABLE ET SON PROCEDE D'UTILISATION**
[72] BITON, DROR, IL
[72] WEISMAN, RAN, IL
[72] ZILBERMAN, ROY, IL
[72] BOTANSKY, HAGAY, IL
[72] SITRY, HAGAY, IL
[73] T.A.G. MEDICAL DEVICES - AGRICULTURE COOPERATIVE LTD., IL
[85] 2021-01-07
[86] 2019-08-01 (PCT/IL2019/050876)
[87] (WO2020/026252)
[30] US (62/713,014) 2018-08-01

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[25] EN
[54] **MEDICATION REMINDER**
[54] **DISPOSITIF DE RAPPEL DE PRISE DE MEDICAMENTS**
[72] THIBODAUX, PATRICK, US
[72] PALMER, JAMES E., III, US
[73] MEDISPOSE LLC, US
[85] 2021-01-19
[86] 2019-07-24 (PCT/US2019/043282)
[87] (WO2020/023662)
[30] US (62/702,968) 2018-07-25
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[25] EN
[54] **HYDROGEN AND CARBON MONOXIDE GENERATION USING AN REP WITH PARTIAL OXIDATION**
[54] **GENERATION D'HYDROGENE ET DE MONOXYDE DE CARBONE A L'AIDE D'UN REP (REFORMEUR-ELECTROLYSEUR-EPURATEUR) PAR OXYDATION PARTIELLE**
[72] JAHNKE, FRED C., US
[72] LAMBRECH, MATTHEW, US
[73] FUELCELL ENERGY INC., US
[86] (3107513)
[87] (3107513)
[22] 2016-11-16
[62] 3,005,647
[30] US (62/256,515) 2015-11-17

[11] **3,107,519**
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[51] **Int.Cl. C25B 9/17 (2021.01) C25B 1/042 (2021.01) C25B 1/23 (2021.01) C01B 3/02 (2006.01) C01B 3/34 (2006.01) C25B 15/08 (2006.01)**
[25] EN
[54] **HYDROGEN AND CARBON MONOXIDE GENERATION USING AN REP WITH PARTIAL OXIDATION**
[54] **GENERATION D'HYDROGENE ET DE MONOXYDE DE CARBONE A L'AIDE D'UN REP (REFORMEUR-ELECTROLYSEUR-EPURATEUR) PAR OXYDATION PARTIELLE**
[72] JAHNKE, FRED C., US
[72] LAMBRECH, MATTHEW, US
[73] FUELCELL ENERGY INC., US
[86] (3107519)
[87] (3107519)
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[25] EN
[54] **METHOD FOR SETTING MOTION VECTOR LIST AND APPARATUS USING SAME**
[54] **PROCEDE POUR CONFIGURER UNE LISTE DE VECTEURS DE MOUVEMENT ET APPAREIL UTILISANT CELUI-CI**
[72] PARK, SEUNG WOOK, KR
[72] LIM, JAE HYUN, KR
[72] KIM, JUNG SUN, KR
[72] PARK, JOON YOUNG, KR
[72] CHOI, YOUNG HEE, KR
[72] JEON, BYEONG MOON, KR
[72] JEON, YONG JOON, KR
[73] LG ELECTRONICS INC., KR
[86] (3108029)
[87] (3108029)
[22] 2011-11-23
[62] 3,019,973
[30] US (61/501772) 2011-06-28
[30] US (61/502833) 2011-06-29
[30] US (61/502829) 2011-06-29

[11] **3,110,058**
[13] C
[51] **Int.Cl. A01B 63/114 (2006.01) A01B 63/32 (2006.01)**
[25] EN
[54] **INTEGRATED IMPLEMENT DOWNFORCE CONTROL SYSTEMS, METHODS, AND APPARATUS**
[54] **SYSTEMES, PROCEDES ET APPAREIL DE COMMANDE DE DEPORTANCE D'ENGIN INTEGRE**
[72] STOLLER, JASON, US
[72] LEVY, KENT, US
[72] SWANSON, TODD, US
[73] PRECISION PLANTING LLC, US
[86] (3110058)
[87] (3110058)
[22] 2013-07-25
[62] 2,879,725
[30] US (61/675,678) 2012-07-25

[11] **3,110,099**
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[51] **Int.Cl. A47L 5/38 (2006.01) H02P 29/40 (2016.01) H04W 4/30 (2018.01) H04W 4/38 (2018.01) A47L 9/19 (2006.01) A47L 9/28 (2006.01) H02H 3/08 (2006.01) H02H 7/085 (2006.01) H02J 7/00 (2006.01) H02K 7/18 (2006.01) H02P 1/04 (2006.01)**
[25] EN
[54] **CENTRAL VACUUM CLEANING SYSTEM CONTROL SUBSYSTEMS**
[54] **SOUS-SYSTEME DE COMMANDE D'UN SYSTEME CENTRAL DE NETTOYAGE PAR ASPIRATION**
[72] CUNNINGHAM, J. VERN, CA
[73] CUBE INVESTMENTS LIMITED, CA
[86] (3110099)
[87] (3110099)
[22] 2005-05-11
[62] 2,962,158
[30] US (10/843,321) 2004-05-12
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[51] **Int.Cl. C22B 1/24 (2006.01) C22B 5/10 (2006.01) C22B 23/00 (2006.01)**
[25] EN
[54] **OXIDE ORE SMELTING METHOD**
[54] **PROCEDE DE FUSION DE MINERAI D'OXYDE**
[72] OKADA, SHUJI, JP
[72] ISEKI, TAKASHI, JP
[72] GODA, YUKIHIRO, JP
[72] KOBAYASHI, JUN-ICHI, JP
[73] SUMITOMO METAL MINING CO., LTD., JP
[86] (3110511)
[87] (3110511)
[22] 2017-04-26
[62] 3,021,829
[30] JP (2016-089469) 2016-04-27
[30] JP (2016-089473) 2016-04-27
[30] JP (2017-045458) 2017-03-09
[30] JP (2017-045469) 2017-03-09
[30] JP (2017-045463) 2017-03-09
[30] JP (2017-045460) 2017-03-09
[30] JP (2017-045459) 2017-03-09

[11] **3,111,577**
[13] C
[51] **Int.Cl. C07D 209/08 (2006.01) A61K 31/404 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING MOLINDONE AND ITS SALTS**
[54] **PROCEDE DE PRODUCTION DE MOLINDONE ET DE SES SELS**
[72] HANBAUER, MARTIN, AT
[72] NAZIR, ZARGHUN, AT
[72] HILDEBRAND, PETER, AT
[72] FIGINI, ATTILIA, CH
[72] LIANG, LIKAN, US
[72] FUMAGALLI, TIZIANO, IT
[73] SUPERNUS PHARMACEUTICALS INC., US
[86] (3111577)
[87] (3111577)
[22] 2013-03-15
[62] 2,884,179
[30] US (61/701,007) 2012-09-14

[11] **3,111,623**
[13] C
[51] **Int.Cl. B21J 15/02 (2006.01) B21D 39/00 (2006.01) F16B 19/06 (2006.01)**
[25] EN
[54] **ARTIFICIAL ALUMINUM LAYERS FOR FASTENING MAGNESIUM CASTINGS**
[54] **COUCHES D'ALUMINIUM ARTIFICIELLES POUR LA FIXATION DE PIECES COULEES EN MAGNESIUM**
[72] WANG, GERRY GANG, CA
[72] WEILER, JONATHAN PATRICK, CA
[73] MAGNESIUM PRODUCTS OF AMERICA, INC., US
[85] 2021-02-25
[86] 2019-08-28 (PCT/US2019/048633)
[87] (WO2020/047145)
[30] US (16/116,513) 2018-08-29

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[51] **Int.Cl. A42B 3/04 (2006.01) A42B 1/24 (2021.01) A42B 3/00 (2006.01) A42B 3/18 (2006.01) A42B 3/30 (2006.01)**
[25] EN
[54] **HELMET ATTACHMENT DEVICE**
[54] **DISPOSITIF DE FIXATION DE CASQUE**
[72] SOTO, RONALD R., US
[72] PRENDERGAST, JONATHON R., US
[73] NOROTOS, INC., US
[86] (3113678)
[87] (3113678)
[22] 2017-08-08
[62] 3,052,253
[30] US (15/426,936) 2017-02-07

[11] **3,114,344**
[13] C
[51] **Int.Cl. A61F 2/38 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **ELBOW JOINT PROSTHESES**
[54] **PROTHESES DE L'ARTICULATION DU COUDE**
[72] KARTHOLL, MATTHEW VICTOR, US
[72] PARKER, BRAD ALAN, US
[72] FARLEY, KEVIN ALIKA, US
[72] KOEPKE, RYAN D., US
[73] HOWMEDICA OSTEONICS CORP., US
[85] 2021-03-25
[86] 2019-09-25 (PCT/US2019/052852)
[87] (WO2020/072247)
[30] US (62/740,790) 2018-10-03

[11] **3,115,694**
[13] C
[51] **Int.Cl. G01N 27/26 (2006.01) G01N 21/03 (2006.01)**
[25] EN
[54] **POINT-OF-CARE TESTING CALIBRATION SYSTEM**
[54] **SYSTEME D'ETALONNAGE D'ANALYSE HORS LABORATOIRE**
[72] SAMSOONDAR, JAMES, CA
[73] INVIDX CORP., CA
[86] (3115694)
[87] (3115694)
[22] 2021-02-03
[62] 3,107,994
[30] CA (PCT/CA2020/051254) 2020-09-18

[11] **3,118,123**
[13] C
[51] **Int.Cl. F16C 35/063 (2006.01) B64D 35/00 (2006.01) F02C 7/36 (2006.01) F16H 1/28 (2006.01) F16H 57/02 (2012.01)**
[25] EN
[54] **POWER GEARBOX GEAR ARRANGEMENT**
[54] **DISPOSITIF D'ENGRENAGE DE BOITE D'ENGRENAGES ELECTRIQUE**
[72] ANTELO, RANDY THOMAS, US
[72] BRADLEY, DONALD ALBERT, US
[72] HASTING, WILLIAM HOWARD, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (3118123)
[87] (3118123)
[22] 2018-08-02
[62] 3,013,137
[30] US (15/675,878) 2017-08-14

[11] **3,118,999**
[13] C
[51] **Int.Cl. H04N 19/114 (2014.01) H04N 19/46 (2014.01) H04N 19/503 (2014.01)**
[25] EN
[54] **DYNAMIC IMAGE PREDICTIVE ENCODING AND DECODING DEVICE, METHOD, AND PROGRAM**
[54] **DISPOSITIF DE DECODAGE ET DE CODAGE PREDICTIF D'IMAGE DYNAMIQUE, PROCEDE ET PROGRAMME ASSOCIES**
[72] BOON, CHOONG SENG, JP
[72] TAKIUE, JUNYA, JP
[72] FUJIBAYASHI, AKIRA, JP
[72] TAN, THIOW KENG, JP
[73] NTT DOCOMO, INC., JP
[86] (3118999)
[87] (3118999)
[22] 2013-04-09
[62] 3,001,601
[30] JP (2012-145832) 2012-06-28

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[13] C
[51] **Int.Cl. A01N 43/88 (2006.01) A01N 43/653 (2006.01) A01N 47/36 (2006.01) A01P 13/02 (2006.01)**
[25] EN
[54] **HERBICIDAL COMBINATION**
[54] **COMBINAISON HERBICIDE**
[72] DELSANTRO, MARK VINCENT, US
[72] SEARS, BETH ERICKSON, US
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[73] UPL LIMITED, IN
[85] 2021-05-11
[86] 2019-11-13 (PCT/US2019/061135)
[87] (WO2020/102316)
[30] US (62/760,149) 2018-11-13

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[51] **Int.Cl. A61C 1/00 (2006.01) A61C 1/08 (2006.01) A61C 1/18 (2006.01) A61C 8/00 (2006.01) A61C 17/16 (2006.01) A61C 19/04 (2006.01)**
[25] EN
[54] **MEDICAL, IN PARTICULAR DENTAL, DEVICE FOR DETERMINING THE QUALITY OF A BONE**
[54] **DISPOSITIF MEDICAL, EN PARTICULIER DENTAIRE, POUR DETERMINER LA QUALITE D'UN OS**
[72] PLOY, GERNOT, AT
[72] BRUGGER, DR., WILHELM, AT
[73] W & H DENTALWERK BUERMOOS GMBH, AT
[86] (3119689)
[87] (3119689)
[22] 2016-07-15
[62] 2,989,513
[30] EP (15177428.8) 2015-07-20

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[13] C
[51] **Int.Cl. C22C 38/38 (2006.01) B21D 22/02 (2006.01) B21D 22/20 (2006.01) B23K 35/30 (2006.01) C21D 7/13 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/06 (2006.01) C22C 38/22 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01)**
[25] EN
[54] **STEEL SHEET FOR MANUFACTURING PRESS HARDENED PARTS, PRESS HARDENED PART HAVING A COMBINATION OF HIGH STRENGTH AND CRASH DUCTILITY, AND MANUFACTURING METHODS THEREOF**
[54] **TOLE D'ACIER POUR LA PRODUCTION DE PIECES TREMPEES SOUS PRESSE, PIECE TREMPEE SOUS PRESSE PRESENTANT UNE COMBINAISON DE RESISTANCE ELEVEE ET DE DUCTILITE ELEVEE APRES COLLISION, E T PROCEDES DE PRODUCTION ASSOCIES**
[72] BEAUVAIS, MARTIN, FR
[72] DUMONT, ALICE, FR
[72] GIBOT, ALEXANDRE, FR
[72] PERLADE, ASTRID, FR
[72] ZHU, KANGYING, FR
[73] ARCELORMITTAL, LU
[86] (3121319)
[87] (3121319)
[22] 2018-06-01
[62] 3,065,037
[30] IB (PCT/IB2017/053282) 2017-06-02

[11] **3,123,536**
[13] C
[51] **Int.Cl. B02C 18/00 (2006.01) E03F 5/22 (2006.01) F04D 7/04 (2006.01)**
[25] EN
[54] **GRINDER ACCESSORY FOR PUMP**
[54] **ACCESSOIRE BROYEUR POUR POMPE**
[72] NEER, KIRK, US
[72] CRABTREE, ALEX, US
[73] CRANE PUMPS & SYSTEMS PFT CORP., US
[86] (3123536)
[87] (3123536)
[22] 2021-06-29
[30] US (16/920,087) 2020-07-02

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[13] C
[51] **Int.Cl. H04L 12/16 (2006.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **ELECTRONIC CERTIFICATE-BASED TRANSACTION SYSTEM**
[54] **SYSTEME DE TRANSACTION A BASE DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[86] (3124246)
[87] (3124246)
[22] 2014-09-12
[62] 2,997,804

[11] **3,130,047**
[13] C
[51] **Int.Cl. G06N 3/045 (2023.01) G06N 3/082 (2023.01)**
[25] EN
[54] **PARTIAL ACTIVATION OF MULTIPLE PATHWAYS IN NEURAL NETWORKS**
[54] **ACTIVATION PARTIELLE DE VOIES MULTIPLES DANS DES RESEAUX NEURONAUX**
[72] DAVID, ELI, IL
[72] RUBIN, ERI, IL
[73] DEEPCUBE LTD., IL
[85] 2021-08-12
[86] 2020-02-13 (PCT/IL2020/050168)
[87] (WO2020/174458)
[30] US (16/288,866) 2019-02-28
[30] US (16/722,639) 2019-12-20

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[13] C
[51] **Int.Cl. C07K 14/245 (2006.01) C12N 1/20 (2006.01) C12N 1/21 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01) C12N 15/31 (2006.01)**
[25] EN
[54] **GENOME-WIDE RATIONALLY-DESIGNED MUTATIONS LEADING TO ENHANCED LYSINE PRODUCTION IN E. COLI**
[54] **MUTATIONS DE CONCEPTION RATIONNELLE A L'ECHELLE DU GENOME CONDUISANT A UNE PRODUCTION AMELIOREE DE LYSINE DANS E. COLI**
[72] FOX, RICHARD, US
[72] HELD, DANIEL, US
[72] ABBATE, ERIC, US
[72] CLAY, MICHAEL, US
[72] KROUSE, KATHERINE, US
[72] KRISHNAMURTHY, NANDINI, US
[72] YERRAMSETTY, KRISHNA, US
[73] INSCRIPTA, INC., US
[85] 2021-11-03
[86] 2020-06-18 (PCT/US2020/038345)
[87] (WO2020/257395)
[30] US (62/865,075) 2019-06-21

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[13] C
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[25] EN
[54] **PACKAGE FOR PRESERVING RESPIRING PRODUCE AND METHOD**
[54] **EMBALLAGE POUR LA CONSERVATION DE PRODUITS RESPIRANTS ET PROCEDE ASSOCIE**
[72] GROENEWEG, BASTIAAN RINKE ANTONY, NL
[72] VAN DE LOO, PAULUS JOSEPHUS BENEDICTUS MARIA, NL
[73] PERFO TEC B.V., NL
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[54] **METHODS, SYSTEMS, AND MEDIA FOR RESOLVING GRAPH DATABASE QUERIES**
[54] **PROCEDES, SYSTEMES ET SUPPORTS DE RESOLUTION D'INTERROGATIONS DE BASE DE DONNEES DE GRAPHIQUES**
[72] LIPMAN, ROI, IL
[73] REDIS LTD, IL
[85] 2021-11-12
[86] 2020-04-06 (PCT/IL2020/050413)
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[25] EN
[54] **FUEL CELL MODULE, FUEL CELL SYSTEM AND METHOD FOR PRODUCING A FUEL CELL MODULE**
[54] **MODULE DE PILES A COMBUSTIBLE, SYSTEME DE PILES A COMBUSTIBLE ET PROCEDE DESTINE A PRODUIRE UN MODULE DE PILES A COMBUSTIBLE**
[72] HARVEY, DAVID B., DE
[72] MELCZER, THOMAS, DE
[73] FCP FUEL CELL POWERTRAIN GMBH, DE
[85] 2021-11-26
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[25] EN
[54] **DYNAMIC CART OPTIMIZATION SYSTEM**
[54] **SYSTEME D'OPTIMISATION DE CHARIOT DYNAMIQUE**
[72] RASMUSSEN, JEFFREY L., US
[72] BULLOCH, ERIC BRANCH, US
[72] MAUGHAN, KEVIN BRADON, US
[72] HARNESK, ANDREAS, US
[72] GALLAWAY, RODNEY, US
[73] PACKSIZE LLC, US
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[54] **VAPOR CELLS HAVING REDUCED SCATTERING CROSS-SECTIONS AND THEIR METHODS OF MANUFACTURE**
[54] **CELLULES A VAPEUR AYANT DES SECTIONS TRANSVERSALES DE DIFFUSION REDUITES ET LEURS PROCEDES DE FABRICATION**
[72] AMARLOO, HADI, CA
[72] RAMIREZ-SERRANO, JAIME, CA
[72] SHAFFER, JAMES P., CA
[73] QUANTUM VALLEY IDEAS LABORATORIES, CA
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[25] EN
[54] **TREATMENT OF SKIN CONDITIONS USING HIGH KRAFFT TEMPERATURE ANIONIC SURFACTANTS**
[54] **TRAITEMENT D'AFFECTIONS CUTANEES A L'AIDE DE TENSIOACTIFS ANIONIQUES A TEMPERATURE DE KRAFFT ELEVEE**
[72] OSBORNE, DAVID W., US
[72] BERK, DAVID, US
[73] ARCUTIS BIOTHERAPEUTICS, INC., US
[85] 2022-04-06
[86] 2021-05-06 (PCT/US2021/031144)
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[25] EN
[54] **DETECTION OF SEQUENCES UNIQUELY ASSOCIATED WITH A DNA TARGET REGION**
[54] **DETECTION DE SEQUENCES ASSOCIEES DE MANIERE UNIQUE A UNE REGION CIBLE D'ADN**
[72] ACHARYA, ANANTA, US
[72] GANNON, AMANDA MARIE, US
[72] GUO, HENA, US
[72] HAYES, KEVIN, US
[72] LASKOWSKI, ROBYN LYNN, US
[72] MCEWAN, ROBERT EBOW, US
[72] TOWNSEND, CARISA, US
[72] UBAYASENA, LASANTHA, US
[72] ZASTROW-HAYES, GINA MARIE, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2022-03-10
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[25] EN
[54] **LIPIDOIDS FOR NUCLEIC ACID TRANSFECTION AND USE THEREOF**
[54] **LIPIDOIDES POUR LA TRANSFECTION D'ACIDES NUCLEIQUES ET LEUR UTILISATION**
[72] CIGLER, PETR, CZ
[72] GRANTZ SASKOVA, KLARA, CZ
[72] VANEK, VACLAV, CZ
[72] KRUZIKOVA, ZUZANA, CZ
[72] SEDLAK, FRANTISEK, CZ
[73] USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR, V.V.I., CZ
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[25] EN
[54] **HEMP PLANT NAMED 'AF14B15-21'**
[54] **PLANT DE CHANVRE NOMME AF14B15-21**
[72] CAMPBELL, BRIAN, US
[73] CHARLOTTE'S WEB, INC., US
[86] (3155121)
[87] (3155121)
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[54] **CRYPTOGRAPHIC KEY MANAGEMENT**
[54] **GESTION DE CLE CRYPTOGRAPHIQUE**
[72] CHRISTOFFERSON, RANSOM, US
[72] JOHNSTON, NATHAN, US
[72] NAGRANI, VIKRAM, SG
[72] SCHWARTZBACH, SAUL, US
[73] FROSTBYTE, LLC, US
[85] 2022-04-28
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[54] **AIR CONDITIONING MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE CLIMATISATION**
[72] OKADA, RYOHEI, JP
[72] FUMIMOTO, TAKUYA, JP
[72] NOMURA, YOSHIHIDE, JP
[73] DAIKIN INDUSTRIES, LTD., JP
[85] 2022-05-04
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[54] **TRIGGER-CYCLED FIREARM**
[54] **ARME A FEU A CYCLE DE REPETITION**
[72] FELLOWS, RYAN PAUL, US
[72] JACOBSON, JAY LEONARD, US
[73] FRANKLIN ARMORY HOLDINGS, INC., US
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[25] EN
[54] **COOKING APPLIANCE**
[54] **APPAREIL DE CUISSON**
[72] LI, JINZHOU, CN
[72] LI, JIAN, CN
[72] HE, GUOYING, CN
[73] ZHEJIANG SHAOXING SUPOR DOMESTIC ELECTRICAL APPLIANCE CO., LTD., CN
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[25] EN
[54] **SYSTEM FOR HANDLING PARCEL FLOW WITH DAMMING CONVEYOR**
[54] **SYSTEME DE GESTION DE FLUX DE COLIS AVEC UN TRANSPORTEUR DE RETENUE**
[72] BERG, NICHOLAS A., US
[72] FUCHS, JON TODD, US
[72] FUTTER, JEREMIAH JASON, US
[72] RECEVEUR, PAUL, US
[73] MATERIAL HANDLING SYSTEMS, INC., US
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[86] 2020-11-09 (PCT/US2020/059650)
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[54] **HEAT-LOSS PRESSURE MICROSENSORS**
[54] **MICROCAPTEURS DE PRESSION DE PERTE DE CHALEUR**
[72] TREMBLAY, BRUNO, CA
[72] PAQUET, ALEX, CA
[73] INSTITUT NATIONAL D'OPTIQUE, CA
[85] 2022-09-01
[86] 2020-04-08 (PCT/CA2020/050460)
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[25] EN
[54] **LOW-POWER PRE-COMPENSATION OF LINEAR AND NONLINEAR TRANSMITTER EFFECTS IN NARROW-SPECTRUM OPTICAL SIGNALS**
[54] **PRE-COMPENSATION DE FAIBLE PUISSANCE D'EFFETS D'EMETTEUR LINEAIRE ET NON LINEAIRE DANS DES SIGNAUX OPTIQUES A SPECTRE ETROIT**
[72] HARLEY, JAMES, CA
[72] OVEIS GHARAN, SHAHAB, US
[72] ZIMMER, KENDAL, CA
[72] BOURGET, CHRISTIAN, CA
[73] CIENA CORPORATION, US
[85] 2022-09-15
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[51] **Int.Cl. A24F 13/00 (2006.01)**
[25] EN
[54] **PERSONAL MOBILE SMOKE DEVICE (PMSD)**
[54] **DISPOSITIF MOBILE PERSONNEL POUR FUMER (PMSD)**
[72] SANDERSON, BRIAN, CA
[71] SANDERSON, BRIAN, CA
[22] 2021-07-21
[41] 2023-01-21

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[13] A1
[51] **Int.Cl. A61B 5/107 (2006.01) G06T 19/00 (2011.01)**
[25] EN
[54] **3D BODY SCAN APP WITH AUGMENT REALITY**
[54] **APPLICATION DE BALAYAGE CORPOREL 3D AVEC REALITE AUGMENTEE**
[72] AZCORRA, EDGAR, CA
[71] AZCORRA, EDGAR, CA
[22] 2021-07-21
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[51] **Int.Cl. A61F 5/00 (2006.01) A61F 5/01 (2006.01) A61H 1/02 (2006.01)**
[25] EN
[54] **DYNAMIC SHOULDER BRACE**
[54] **SUPPORT D'EPAULE DYNAMIQUE**
[72] CHAN, MING, CA
[72] MURPHY, TAYLOR, CA
[72] DAVE, DHRUVI, CA
[72] TOLLER, JIM, CA
[72] FEDORAK, MARK VERNON, CA
[72] ABRAMS, LIAM JOSEPH, CA
[71] ADONIS MEDICAL TECHNOLOGIES LTD., CA
[22] 2021-07-15
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[13] A1
[51] **Int.Cl. A63B 21/008 (2006.01) A63B 21/002 (2006.01)**
[25] EN
[54] **HYDRAULIC BODYBUILDING DEVICE**
[54] **DISPOSITIF DE MUSCULATION HYDRAULIQUE**
[72] UNKNOWN, XX
[71] BARARI, ALIREZA, IR
[22] 2021-07-15
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[51] **Int.Cl. A61K 31/277 (2006.01) A61K 9/08 (2006.01) A61K 31/185 (2006.01) A61K 31/19 (2006.01) A61P 9/06 (2006.01)**
[25] EN
[54] **METHODS OF ADMINISTRATION FOR HIGHLY WATER-SOLUBLE SALTS OF A SHORT ACTING PHENYLALKYLAMINE CALCIUM CHANNEL BLOCKER**
[54] **METHODES D'ADMINISTRATION POUR DES SELS TRES HYDROSOLUBLES D'UN INHIBITEUR CALCIQUE PHENYLALKYLAMINE A ACTION COURTE**
[72] PLAT, FRANCIS, CA
[72] WIGHT, DOUGLAS, CA
[71] MILESTONE PHARMACEUTICALS INC., CA
[22] 2021-07-15
[41] 2023-01-15

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[51] **Int.Cl. G06F 21/62 (2013.01) G06F 21/32 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING ACCESS TO DATA RECORDS**
[54] **SYSTEMES ET PROCEDES DE CONTROLE DE L'ACCES A DES ENREGISTREMENTS DE DONNEES**
[72] PANAG, HARJOT SINGH, CA
[72] SHELAT, NIPABEN, CA
[72] PURI, KARANDEEP, CA
[72] FARAGHER, KEVIN WAYNE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-07-15
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[13] A1
[51] **Int.Cl. H04L 67/51 (2022.01) G06Q 20/10 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REAL-TIME TRANSFER PROTOCOL DETERMINATION**
[54] **SYSTEME ET METHODE DE DETERMINATION DE PROTOCOLE DE TRANSFERT EN TEMPS REEL**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-07-16
[41] 2023-01-16

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[13] A1
[51] **Int.Cl. B60T 3/00 (2006.01) B65G 69/34 (2006.01)**
[25] EN
[54] **A POSITIVE PRESSURE CHOCK SYSTEM**
[54] **SYSTEME DE CALE A PRESSION POSITIVE**
[72] TURNER, JAMUS, CA
[72] ISSAWI, JAMAL, CA
[71] TURNER, JAMUS, CA
[71] ISSAWI, JAMAL, CA
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[51] **Int.Cl. B07C 5/16 (2006.01) H04W 4/38 (2018.01) B07C 5/18 (2006.01) B07C 5/32 (2006.01) G01G 17/00 (2006.01) H04W 4/80 (2018.01) G06F 16/90 (2019.01)**
[25] EN
[54] **METHOD AND RELATED SYSTEMS FOR AUTOMATED SHELLFISH GRADING AND SORTING**
[54] **METHODE ET SYSTEMES CONNEXES POUR LE CLASSEMENT ET LE TRI AUTOMATISES DE FRUITS DE MER**
[72] YANG, FENGZE, CA
[72] ZHANG, RAN, CN
[72] HUANG, LIANG, CA
[72] LIU, QIAOWEI, CN
[72] YANG, LEI, CA
[72] LIU, SHIWEI, CA
[72] SUN, ZHENNAN, CA
[71] YANG, FENGZE, CA
[71] ZHANG, RAN, CN
[71] HUANG, LIANG, CA
[71] LIU, QIAOWEI, CN
[71] YANG, LEI, CA
[71] LIU, SHIWEI, CA
[71] SUN, ZHENNAN, CA
[22] 2021-07-16
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[51] **Int.Cl. A41D 27/20 (2006.01) A41D 13/015 (2006.01) A41D 13/06 (2006.01) A61F 7/00 (2006.01) A63B 71/12 (2006.01)**
[25] EN
[54] **UNDER-FOLD KNEE-PAD POCKET**
[54] **POCHE DE PROTEGE-GENOU DE SOUS-PLI**
[72] DANIC, MICHELLE, CA
[71] DANIC, MICHELLE, CA
[22] 2021-07-17
[41] 2023-01-17

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[13] A1
[51] **Int.Cl. A61C 3/00 (2006.01) A61C 3/14 (2006.01)**
[25] EN
[54] **A DENTAL INSTRUMENT FOR REMOVING A REMAINING TOOTH ROOT**
[54] **INSTRUMENT DENTAIRE POUR RETIRER UNE RACINE DENTAIRE RESTANTE**
[72] GHALYOUN, MUKHTAR, CA
[71] GHALYOUN, MUKHTAR, CA
[22] 2021-07-20
[41] 2023-01-20

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[13] A1
[51] **Int.Cl. B43K 15/00 (2006.01) B43K 8/04 (2006.01)**
[25] FR
[54] **THE REJUVENATOR**
[54] **LE REJUVENATEUR**
[72] L'ITALIEN, TEO, CA
[71] L'ITALIEN, TEO, CA
[22] 2021-07-19
[41] 2023-01-19

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[13] A1
[51] **Int.Cl. A61H 3/06 (2006.01)**
[25] EN
[54] **BI-AXIAL BALL TIP FOR USE WITH A MOBILITY CANE**
[54] **EXTREMITE SPHERIQUE BIAXIALE A UTILISER AVEC UNE CANNE DE MARCHE**
[72] RICKARDS, PETER, AU
[72] RICKARDS, ROHAN, AU
[71] INVENTRICK PTY LTD, AU
[22] 2021-07-16
[41] 2023-01-16

[21] **3,125,140**
[13] A1
[51] **Int.Cl. H04B 7/195 (2006.01) H04B 10/112 (2013.01)**
[25] EN
[54] **OPTICAL DATA COMMUNICATION SYSTEM**
[54] **SYSTEME DE TRANSMISSION DE DONNEES OPTIQUE**
[72] SCOTT, ALAN, CA
[72] DUCELLIER, THOMAS, CA
[71] SCOTT, ALAN, CA
[71] DUCELLIER, THOMAS, CA
[22] 2021-07-19
[41] 2023-01-19

[21] **3,125,141**
[13] A1
[51] **Int.Cl. A01N 61/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **A VAPOUR/VAPOR AND OR SUBSTANCE AND OR LIQUID AND OR CHEMICAL COMPOUNDS FOR THE PURPOSE OF ENHANCING GROWTH GENERATING NUTRITIONAL PROPERTIES OF THE STOMATAL COMPLEX CONSISTING OF THE PAIRED GUARD CELLS AND PORE, ALSO AND OTHERWISE KNOW AS THE STOMATA, STOMA,STOMATE AND OR STOMATAL APER TURE OPENINGS.**
[54] **COMPOSES DE VAPEUR ET/OU DE SUBSTANCE ET/OU LIQUIDES ET/OU CHIMIQUES POUR AMELIORER UNE CROISSANCE GENERANT DES CARACTERISTIQUES NUTRITIVES DE L'APPAREIL STOMATIQUE, AUSSI APPELE STOMATE, COMPOSE DE CELLULES DE GARDE ET D'UN ORIFICE JUMELES**
[72] DECARIES, GLENN, CA
[71] DECARIES, GLENN, CA
[22] 2021-07-20
[41] 2023-01-20

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[51] **Int.Cl. B60L 53/31 (2019.01)**
[25] EN
[54] **ELECTRIC VEHICLE CHARGING STATION CABINET**
[54] **ARMOIRE DE POSTE DE RECHARGE DE VEHICULE ELECTRIQUE**
[72] NAYCHUK, CHRISTOPHER, CA
[71] NAYCHUK, CHRISTOPHER, CA
[22] 2021-07-20
[41] 2023-01-19
[30] US (17/305,977) 2021-07-19

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[51] **Int.Cl. G06F 21/30 (2013.01) G06F 21/60 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTHORIZING DATA TRANSFERS**
[54] **SYSTEME ET PROCEDE D'AUTORISATION DE TRANSFERTS DE DONNEES**
[72] D'AGOSTINO, DINO PAUL, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-07-20
[41] 2023-01-20

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[51] **Int.Cl. A01K 13/00 (2006.01) A01K 29/00 (2006.01) A42B 1/00 (2021.01)**
[25] EN
[54] **LIVESTOCK HEAD COVERING**
[54] **CHAPEAU POUR BETAIL**
[72] WEITZEL, SARAH MARY, CA
[72] WEITZEL, GEORG SIEGHARD, CA
[71] WEITZEL, SARAH MARY, CA
[22] 2021-07-19
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[51] **Int.Cl. A61K 36/886 (2006.01) A61K 31/045 (2006.01) A61K 31/19 (2006.01) A61K 31/715 (2006.01) A61K 33/14 (2006.01)**
[25] EN
[54] **COLD MEDICINE COMPOSITION, PREPARATION METHOD AND USE THEREOF**
[54] **COMPOSITION DE MEDICAMENT CONTRE LE RHUME, METHODE DE PREPARATION ET UTILISATION CONNEXE**
[72] WEBER, CHUCKIE, CA
[71] WEBER, CHUCKIE, CA
[22] 2021-07-20
[41] 2023-01-19
[30] US (17/379, 160) 2021-07-19

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[51] **Int.Cl. B25B 27/14 (2006.01) B25B 27/30 (2006.01) F16H 7/08 (2006.01)**
[25] EN
[54] **SERPENTINE BELT TENSIONER COMPRESSOR TOOL**
[54] **OUTIL DE COMPRESSION POUR TENDEUR DE COURROIE A SERPENTIN**
[72] VANDRIEL, EDWARD PETER, CA
[71] VANDRIEL, EDWARD PETER, CA
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[54] **DISPOSABLE STENCIL TOOL**
[54] **OUTIL DE POCHOIR JETABLE**
[72] XU, YI, CA
[71] XU, YI, CA
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[51] **Int.Cl. A63B 67/00 (2006.01) A63F 9/00 (2006.01) A63F 9/02 (2006.01)**
[25] EN
[54] **GAME APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE DE JEU**
[72] SCHIFFMAN, BRIAN, CA
[71] WALLUP GAMES INC., CA
[22] 2021-07-21
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[51] **Int.Cl. E04G 21/32 (2006.01) A62B 35/00 (2006.01)**
[25] EN
[54] **ROOF ANCHOR**
[54] **ANCRAGE DE TOITURE**
[72] KZEER, NAWAR, CA
[72] BRAGA, BRANDON, CA
[72] BRAGA, CARLOS, CA
[71] KZEER, NAWAR, CA
[71] BRAGA, BRANDON, CA
[71] BRAGA, CARLOS, CA
[22] 2021-07-22
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[13] A1
[51] **Int.Cl. G01D 21/00 (2006.01) E04D 15/00 (2006.01) E04G 21/24 (2006.01)**
[25] EN
[54] **SYSTEM FOR ROOF MONITORING**
[54] **SYSTEME DE SURVEILLANCE DE TOIT**
[72] AINSCOW, WAYNE, CA
[71] AINSCOW, WAYNE, CA
[22] 2021-07-22
[41] 2023-01-21
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[51] **Int.Cl. E04F 21/00 (2006.01) E04F 21/18 (2006.01)**
[25] EN
[54] **CEILING MEMBER INSTALLATION TOOL**
[54] **OUTIL D'INSTALLATION D'UN ELEMENT DE PLAFOND**
[72] MARTENS, FRANK, CA
[71] MARTENS, FRANK, CA
[22] 2021-07-21
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[51] **Int.Cl. F24F 8/22 (2021.01) F24F 3/16 (2021.01) F24F 13/28 (2006.01)**
[25] EN
[54] **ULTRAVIOLET LIGHT FILTER ASSEMBLY**
[54] **ENSEMBLE FILTRE DE LUMIERE ULTRAVIOLETTE**
[72] CHANDRA, SUBHENDU, IN
[72] SARKAR, PRITAM KUMAR, CA
[71] CHANDRA, SUBHENDU, IN
[71] SARKAR, PRITAM KUMAR, CA
[22] 2021-07-25
[41] 2023-01-21
[30] US (17/382,051) 2021-07-21

[21] **3,128,567**
[13] A1
[51] **Int.Cl. B25B 21/00 (2006.01) B25B 23/04 (2006.01)**
[25] EN
[54] **AUTOFEED SCREWDRIVER ATTACHMENT WITH CLAMP-ON CONNECTOR**
[54] **ACCESSOIRE DE TOURNE-VIS A ALIMENTATION AUTOMATIQUE ET CONNECTEUR DE SERRAGE**
[72] GOTTLIEB, GREGORY M., US
[71] KYOCERA SENCO INDUSTRIAL TOOLS, INC., US
[22] 2021-08-17
[41] 2023-01-20
[30] US (63/223,712) 2021-07-20

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[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/44 (2013.01) G06F 21/62 (2013.01) G06F 21/64 (2013.01) G06F 16/21 (2019.01) G06F 16/27 (2019.01) G16Y 30/10 (2020.01) H04L 9/40 (2022.01) H04L 67/10 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR BUILDING A TRUSTED NETWORK OF DEVICES**
[54] **SYSTEME ET METHODE DE CREATION D'UN RESEAU FIABLE DE DISPOSITIFS**
[72] BARI, SYED, CA
[71] B DATA SOLUTIONS INC., CA
[22] 2021-09-17
[41] 2023-01-16

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[25] EN
[54] **WOUND HONEY WITH A PUMP DISPENSER**
[54] **MIEL POUR BLESSURES ET DISTRIBUTEUR A POMPE**
[72] FENZL, MARK, US
[71] FENZL, MARK, US
[22] 2021-09-29
[41] 2023-01-21
[30] US (63/259,509) 2021-07-21
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[51] **Int.Cl. G06Q 20/32 (2012.01)**
[25] EN
[54] **MOBILE DEVICE, SYSTEM AND METHOD FOR CURRENCY EXCHANGE**
[54] **DISPOSITIF MOBILE, SYSTEME ET METHODE POUR LE CHANGE DE DEVISES**
[72] ROHANI, MEHDI, CA
[71] ROHANI, MEHDI, CA
[22] 2021-10-05
[41] 2023-01-16
[30] US (17378645) 2021-07-16

[21] **3,134,124**
[13] A1
[51] **Int.Cl. A01G 9/12 (2006.01) A01G 13/00 (2006.01)**
[25] EN
[54] **PLANT PROCESSING SYSTEMS**
[54] **SYSTEMES DE TRAITEMENT DE PLANTE**
[72] DONAGHY, MICHAEL C., US
[72] DURFEE, KENNETH R., US
[72] ANDERSON, STEPHEN L., US
[72] KRAUSE, SEAN R., US
[71] SPACESAVER CORPORATION, US
[22] 2021-10-13
[41] 2023-01-21
[30] US (17/381,614) 2021-07-21

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[13] A1
[51] **Int.Cl. E06B 9/68 (2006.01) E06B 9/17 (2006.01) E06B 9/56 (2006.01)**
[25] EN
[54] **OPERATOR ASSEMBLY FOR MOVABLE BARRIER**
[54] **ASSEMBLAGE D'OPERATION POUR UNE BARRIERE MOBILE**
[72] HAWKINS, RAYMOND, AU
[72] GUPTA, KANAV, AU
[72] SMITH, TRAVIS, AU
[72] NICHOLLS, GRANT, AU
[71] AUTOMATIC TECHNOLOGY (AUSTRALIA) PTY LTD, AU
[22] 2021-11-05
[41] 2023-01-19
[30] AU (2021206794) 2021-07-19

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[13] A1
[51] **Int.Cl. H04N 21/4725 (2011.01) H04N 21/258 (2011.01)**
[25] EN
[54] **PERSONALIZED SCREENCAPS FOR TRICKPLAY SLIDER**
[54] **CAPTURES D'ECRAN PERSONNALISEES POUR UN CURSEUR DE MODE D'ENRICHISSEMENT**
[72] GUPTA, VIKRAM MAKAM, IN
[72] PANCHAKSHARAIAH, VISHWAS SHARADANAGAR, IN
[72] HARB, REDA, US
[71] ROVI GUIDES, INC., US
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[41] 2023-01-16
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[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01) A24F 40/42 (2020.01)**
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[54] **ATOMIZER**
[54] **PULVERISATEUR**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2021-12-17
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[30] CN (202110803266.X) 2021-07-15
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[51] **Int.Cl. E04C 3/02 (2006.01) E06B 1/04 (2006.01)**
[25] EN
[54] **LINTEL COVER**
[54] **COUVERCLE DE LINTEAU**
[72] CAMPOLI, NINO, CA
[72] CIRCOSTA, MICHAEL, CA
[71] CAMPOLI, NINO, CA
[71] CIRCOSTA, MICHAEL, CA
[22] 2022-01-27
[41] 2023-01-21
[30] US (17/300,313) 2021-07-21

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[51] **Int.Cl. H04W 40/24 (2009.01)**
[25] EN
[54] **GEOGRAPHIC ROUTING MESH NETWORK**
[54] **RESEAU MAILLE D'ACHEMINEMENT GEOGRAPHIQUE**
[72] LI, WEN ZHENG, JP
[71] RAPYUTA ROBOTICS CO., LTD., JP
[22] 2022-02-09
[41] 2023-01-19
[30] US (17/379,981) 2021-07-19

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[51] **Int.Cl. E04H 17/20 (2006.01) E04H 17/00 (2006.01) E04H 17/14 (2006.01) E04H 17/26 (2006.01)**
[25] EN
[54] **HORIZONTAL FENCING SYSTEM**
[54] **SYSTEME DE CLOTURE HORIZONTALE**
[72] BRKIC, NEDZAD, CA
[71] BRKIC, NEDZAD, CA
[22] 2022-03-01
[41] 2023-01-16

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[51] **Int.Cl. F16K 11/044 (2006.01) F16K 27/08 (2006.01) F16K 31/12 (2006.01)**
[25] EN
[54] **SHUTTLE VALVE POPPET MECHANISM**
[54] **MECANISME DE CHAMPIGNON DE CLAPET DOUBLE**
[72] CHANDRASHEKAR, VINAY KUMAR TUMKUR, US
[72] ELIOT, ELIAS, US
[71] THE BOEING COMPANY, US
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[41] 2023-01-20
[30] US (17/380627) 2021-07-20

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[51] **Int.Cl. A01D 34/13 (2006.01)**
[25] EN
[54] **AUTOMATED LOCKOUT SYSTEM FOR HEADER**
[54] **SYSTEME DE VERROUILLAGE AUTOMATISE POUR TABLIER**
[72] MODAK, SHREYAS P., IN
[72] BRIMEYER, ALEX A., US
[72] VANDEVEN, MICHAEL L., US
[71] DEERE & COMPANY, US
[22] 2022-05-04
[41] 2023-01-20
[30] US (17/443,064) 2021-07-20

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[51] **Int.Cl. A01D 34/40 (2006.01) A01B 63/16 (2006.01) A01D 41/06 (2006.01) A01D 47/00 (2006.01) A01D 57/20 (2006.01)**
[25] EN
[54] **AUTOMATED LOCKOUT SYSTEM FOR HEADER**
[54] **SYSTEME DE VERROUILLAGE AUTOMATISE POUR TABLIER**
[72] MODAK, SHREYAS P., IN
[72] BRIMEYER, ALEX A., US
[72] VANDEVEN, MICHAEL L., US
[71] DEERE & COMPANY, US
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[51] **Int.Cl. A01D 34/40 (2006.01) A01B 63/16 (2006.01) A01D 41/06 (2006.01) A01D 47/00 (2006.01) A01D 57/20 (2006.01)**
[25] EN
[54] **AUTOMATED LOCKOUT SYSTEM FOR HEADER**
[54] **SYSTEME DE VERROUILLAGE AUTOMATISE POUR TABLIER**
[72] MODAK, SHREYAS P., IN
[72] BRIMEYER, ALEX A., US
[72] VANDEVEN, MICHAEL L., US
[71] DEERE & COMPANY, US
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[51] **Int.Cl. C09D 5/24 (2006.01) C09D 7/65 (2018.01) C09D 7/80 (2018.01) C09D 201/00 (2006.01)**
[25] EN
[54] **CONDUCTIVE POLYMER COATING COMPOSITION AND METHOD OF MAKING THE SAME**
[54] **COMPOSITION DE REVETEMENT POLYMERE CONDUCTEUR ET METHODE DE FABRICATION**
[72] KANDHASAMY, KAMARAJ, US
[72] PRAKASH, OM, US
[72] KINLEN, PATRICK J., US
[72] GAYDOS, STEPHEN P., US
[71] THE BOEING COMPANY, US
[22] 2022-04-26
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[30] US (17/376618) 2021-07-15

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[51] **Int.Cl. G01D 5/12 (2006.01) B64C 13/24 (2006.01) G01D 1/18 (2006.01) G01D 5/22 (2006.01)**
[25] EN
[54] **OVER TRAVEL DETECTION DEVICE**
[54] **DISPOSITIF DE DETECTION DE SUR-COURSE**
[72] HARRISON, COLIN ROGER, GB
[72] WADGE, PHILIP, GB
[71] GOODRICH ACTUATION SYSTEMS LIMITED, GB
[22] 2022-05-10
[41] 2023-01-21
[30] EP (21275098.8) 2021-07-21

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[51] **Int.Cl. G06V 20/20 (2022.01) G06T 19/00 (2011.01) G06F 3/04815 (2022.01) G06V 20/50 (2022.01)**
[25] EN
[54] **INTELLIGENT INTERFACE BASED ON AUGMENTED REALITY**
[54] **INTERFACE INTELLIGENTE FONDEE SUR LA REALITE AUGMENTEE**
[72] SHI, XIN, US
[72] XING, DAVID, US
[71] NORTHWEST INSTRUMENT INC., US
[22] 2022-05-12
[41] 2023-01-20
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[51] **Int.Cl. A47J 47/01 (2006.01) A47F 1/035 (2006.01) A47G 19/34 (2006.01) A47J 47/04 (2006.01)**
[25] EN
[54] **PORTION DISPENSING CONTAINER**
[54] **CONTANT DE DISTRIBUTION DE PORTION**
[72] VERCRUYSSEN, ALEC, US
[71] DART INDUSTRIES INC., US
[22] 2022-05-24
[41] 2023-01-21
[30] US (17/381,765) 2021-07-21

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[51] **Int.Cl. H04L 67/1097 (2022.01)**
[25] EN
[54] **PRIVATE INFORMATION WITH A SHARED SINGLE SOURCE OF TRUTH**
[54] **RENSEIGNEMENTS PRIVES A SOURCE DE VERITE UNIQUE PARTAGEE**
[72] GABRIEL, MICHAEL RICHARD, US
[72] SCOTT, GLENN CARTER, US
[71] INTUIT INC., US
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[51] **Int.Cl. B64C 13/38 (2006.01)**
[25] EN
[54] **SYSTEM FOR CONTROLLING A FLIGHT CONTROL SURFACE**
[54] **SYSTEME DE CONTROLE D'UNE GOUVERNE DE VOL**
[72] SOCHELEAU, JEROME, FR
[72] ABIDA, WASSIM, FR
[71] GOODRICH ACTUATION SYSTEMS SAS, FR
[22] 2022-05-30
[41] 2023-01-19
[30] EP (21290049.2) 2021-07-19

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[25] EN
[54] **RESCHEDULING MECHANISM FOR ASYNCHRONOUS DEVICES**
[54] **MECANISME DE REPLANIFICATION POUR DES DISPOSITIFS ASYNCHRONES**
[72] BOUCHET, ARNAUD, FR
[72] GARANX, PATRICE, FR
[71] RATIER-FIGEAC SAS, FR
[22] 2022-06-01
[41] 2023-01-19
[30] EP (21290048.4) 2021-07-19

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[13] A1
[51] **Int.Cl. B63H 20/08 (2006.01) B63H 5/125 (2006.01) B63H 5/20 (2006.01) B63H 20/02 (2006.01)**
[25] EN
[54] **PROPULSION DEVICES AND METHODS OF MAKING PROPULSION DEVICES THAT ALIGN PROPELLER BLADES FOR MARINE VESSELS**
[54] **DISPOSITIFS DE PROPULSION ET METHODES DE FABRICATION DE DISPOSITIFS DE PROPULSION ALIGNANT LES PALES D'HELICE POUR DES NAVIRES**
[72] PERDOMO TORNBAUM, ANDRES, US
[72] PODELL, ROBERT A., US
[72] ERICKSON, JAMES E., US
[72] GABLE, KENNETH G., US
[72] JASZEWSKI, WAYNE M., US
[72] FLETCHER, DEREK J., US
[72] KRAUS, JEREMY J., US
[71] BRUNSWICK CORPORATION, US
[22] 2022-06-06
[41] 2023-01-15
[30] US (17/377.061) 2021-07-15
[30] US (17/378.371) 2021-07-16
[30] US (17/379.435) 2021-07-19
[30] US (17/388.850) 2021-07-29

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[13] A1
[51] **Int.Cl. B63H 20/08 (2006.01) B63H 5/125 (2006.01) B63H 5/20 (2006.01) B63H 20/02 (2006.01)**
[25] EN
[54] **PROPULSION DEVICES WITH LOCK DEVICES AND METHODS OF MAKING PROPULSION DEVICES WITH LOCK DEVICES FOR MARINE VESSELS**
[54] **DISPOSITIFS DE PROPULSION COMPRENANT DES DISPOSITIFS DE VERROUILLAGE ET METHODES DE FABRICATION DE DISPOSITIFS DE PROPULSION COMPRENANT DES DISPOSITIFS DE VERROUILLAGE POUR DES NAVIRES**
[72] PERDOMO TORNBAUM, ANDRES, US
[72] JASZEWSKI, WAYNE M., US
[72] PODELL, ROBERT A., US
[72] KRAUS, JEREMY J., US
[72] ERICKSON, JAMES E., US
[72] POIRIER, RANDALL J., US
[72] FLETCHER, DEREK J., US
[72] SETA, MATTHEW Z., US
[71] BRUNSWICK CORPORATION, US
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[41] 2023-01-15
[30] US (17/377.061) 2021-07-15
[30] US (17/378.371) 2021-07-16
[30] US (17/379.435) 2021-07-19
[30] US (17/388.850) 2021-07-29

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[13] A1
[51] **Int.Cl. B63H 20/08 (2006.01) B63H 5/125 (2006.01) B63H 5/20 (2006.01) B63H 20/02 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR COUPLING PROPULSORS TO MARINE VESSELS**
[54] **DISPOSITIFS ET METHODES POUR ACCOUPLER DES PROPULSEURS A DES NAVIRES**
[72] PERDOMO TORNBAUM, ANDRES, US
[72] JASZEWSKI, WAYNE M., US
[72] PODELL, ROBERT A., US
[72] KRAUS, JEREMY J., US
[72] ERICKSON, JAMES E., US
[72] POIRIER, RANDALL J., US
[72] FLETCHER, DEREK J., US
[71] BRUNSWICK CORPORATION, US
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[41] 2023-01-15
[30] US (17/377.061) 2021-07-15
[30] US (17/378.371) 2021-07-16
[30] US (17/379.435) 2021-07-19
[30] US (17/388.850) 2021-07-29

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[13] A1
[51] **Int.Cl. B63H 5/20 (2006.01) B63H 20/08 (2006.01)**
[25] EN
[54] **STOWABLE PROPULSION DEVICES FOR MARINE VESSELS AND METHODS FOR MAKING STOWABLE PROPULSION DEVICES FOR MARINE VESSELS**
[54] **DISPOSITIFS DE PROPULSION ESCAMOTABLES POUR NAVIRES ET METHODES DE FABRICATION DE DISPOSITIFS DE PROPULSION ESCAMOTABLES POUR NAVIRES**
[72] NOVAK, AARON J., US
[72] KRAUS, JEREMY J., US
[71] BRUNSWICK CORPORATION, US
[22] 2022-06-06
[41] 2023-01-15
[30] US (17/377.061) 2021-07-15
[30] US (17/378.371) 2021-07-16
[30] US (17/379.435) 2021-07-19
[30] US (17/388.850) 2021-07-29

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[13] A1
[51] **Int.Cl. C04B 41/87 (2006.01) C04B 35/80 (2006.01) C04B 35/84 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COATING CERAMIC FIBER**
[54] **SYSTEME ET METHODE DE REVETEMENT D'UNE FIBRE CERAMIQUE**
[72] NGUYEN, JOHN TAM, US
[72] TANAKA, CLIFFORD TAKASHI, US
[72] GROSSMAN, THEODORE ROBERT, US
[72] TAVANA, REZA T., US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2022-06-09
[41] 2023-01-21
[30] US (17/381,847) 2021-07-21

[21] **3,162,981**
[13] A1
[51] **Int.Cl. E02F 3/815 (2006.01)**
[25] EN
[54] **DRAG BAR FOR LEVELLING GROUND**
[54] **BARRE DE RACLAGE POUR NIVELER LE SOL**
[72] HALISCHUK, CORRIE, CA
[71] HALISCHUK, CORRIE, CA
[22] 2022-06-16
[41] 2023-01-19
[30] US (63/223,363) 2021-07-19

[21] **3,163,371**
[13] A1
[51] **Int.Cl. E21B 47/008 (2012.01) E21B 43/12 (2006.01)**
[25] EN
[54] **PLUNGER LIFT SYSTEMS AND RELATED METHODS**
[54] **SYSTEMES DE PISTON ELEVATEUR ET METHODES CONNEXES**
[72] ROMER, MICHAEL C., US
[72] TSCHAUNER, MICHAEL C., US
[72] FRAZIER, CHRISTOPHER C., US
[72] MCFADDEN, ANDREW D., US
[72] VELA, SALVADOR G., III, US
[72] WALKER, BILLY-BOB K., US
[72] JOHNSON, ADAM J., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[22] 2022-06-15
[41] 2023-01-15
[30] US (63/203,264) 2021-07-15

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[13] A1
[51] **Int.Cl. E03C 1/046 (2006.01) A47K 5/06 (2006.01)**
[25] EN
[54] **SOAP DISPENSER IN A KITCHEN FAUCET WAND**
[54] **DISTRIBUTEUR A SAVON DANS UN PISTOLET DE ROBINET DE CUISINE**
[72] WALES, JOSHUA DREW, US
[71] DELTA FAUCET COMPANY, US
[22] 2022-06-17
[41] 2023-01-19
[30] US (63/223,187) 2021-07-19

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[13] A1
[51] **Int.Cl. H03F 3/195 (2006.01) H03F 1/22 (2006.01) H03F 3/213 (2006.01)**
[25] EN
[54] **AMPLIFIER WITH STACKED TRANSCONDUCTING CELLS IN PARALLEL AND/OR CASCADE "CURRENT MODE" COMBINING**
[54] **AMPLIFICATEUR COMPRENANT DES CELLULES TRANSCONDUCTRICES ASSEMBLEES EN COMBINAISON DE « MODE COURANT » EN PARALLELE ET/OU EN CASCADE**
[72] THOMAS, CHRIS M., US
[72] KORMANYOS, BRIAN K., US
[71] THE BOEING COMPANY, US
[22] 2022-06-17
[41] 2023-01-16
[30] US (17/378564) 2021-07-16

[21] **3,164,212**
[13] A1
[51] **Int.Cl. A61J 7/00 (2006.01) B65D 83/04 (2006.01)**
[25] EN
[54] **MEDICINE UNIT CONTAINER FOR USE IN A MEDICINE UNIT**
[54] **CONTENANT D'UNITE MEDICALE A UTILISER DANS UNE UNITE MEDICALE**
[72] BIJLSMA, DENNIS RAYMOND, NL
[71] DD INNOVATIONS B.V., NL
[22] 2022-06-17
[41] 2023-01-16
[30] NL (NL2028766) 2021-07-16

[21] **3,164,214**
[13] A1
[51] **Int.Cl. B65B 11/06 (2006.01) B65B 11/08 (2006.01)**
[25] EN
[54] **DEVICE FOR PACKAGING OF MEDICINE-UNITS**
[54] **DISPOSITIF D'EMBALLAGE D'UNITES MEDICALES**
[72] BIJLSMA, DENNIS RAYMOND, NL
[71] DD INNOVATIONS B.V., NL
[22] 2022-06-17
[41] 2023-01-16
[30] NL (NL2028767) 2021-07-16

[21] **3,164,971**
[13] A1
[51] **Int.Cl. E06B 9/42 (2006.01) A47G 5/00 (2006.01) F16D 59/00 (2006.01)**
[25] EN
[54] **MECHANICAL MULTIPLE TORQUE DAMPING DEVICE FOR A HORIZONTAL SPINDLE**
[54] **DISPOSITIF MECANIQUE D'AMORTISSEMENT DE COUPLE MULTIPLE POUR UNE TIGE HORIZONTALE**
[72] LEE, CHENG-HUNG, TW
[72] CHIANG, LUNG-YI, TW
[71] SYNCPROTO CO., LTD., TW
[22] 2022-06-22
[41] 2023-01-20
[30] TW (110126614) 2021-07-20

[21] **3,165,940**
[13] A1
[51] **Int.Cl. B60T 3/00 (2006.01) B65G 69/34 (2006.01)**
[25] EN
[54] **A POSITIVE PRESSURE CHOCK SYSTEM**
[54] **SYSTEME DE CALE A PRESSION POSITIVE**
[72] TURNER, JAMUS, CA
[72] ISSAWI, JAMAL, CA
[71] TURNER, JAMUS, CA
[71] ISSAWI, JAMAL, CA
[22] 2022-06-28
[41] 2023-01-16
[30] CA (3,124,859) 2021-07-16

[21] **3,165,944**
[13] A1
[51] **Int.Cl. G06F 40/40 (2020.01) G06F 40/12 (2020.01) G06N 3/02 (2006.01) G06N 3/08 (2023.01) G10L 15/10 (2006.01)**
[25] EN
[54] **DISFLUENCY REMOVAL USING LEARNING MACHINE**
[54] **ELIMINATION DU TROUBLE DE FLUIDITE VERBALE AU MOYEN DE L'APPRENTISSAGE MACHINE**
[72] ZHICHAREVICH, ALEXANDER, IL
[72] HORESH, YAIR, IL
[71] INTUIT INC., US
[22] 2022-06-28
[41] 2023-01-16
[30] US (17/378,386) 2021-07-16

[21] **3,166,141**
[13] A1
[51] **Int.Cl. F02C 7/22 (2006.01) B64D 37/30 (2006.01) F02C 7/228 (2006.01) F02C 9/28 (2006.01) F23R 3/36 (2006.01)**
[25] EN
[54] **MANIFOLD PURGE FOR GASEOUS FUEL SYSTEM OF ENGINE**
[54] **VIDANGE DE COLLECTEUR POUR UN SYSTEME A CARBURANT GAZEUX DE MOTEUR**
[72] DILLON, THOMAS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-06-29
[41] 2023-01-19
[30] US (17/379,085) 2021-07-19

[21] **3,166,144**
[13] A1
[51] **Int.Cl. F01D 11/20 (2006.01) B64D 31/00 (2006.01) F01D 11/24 (2006.01)**
[25] EN
[54] **ACTIVE CLEARANCE CONTROL SYSTEM AND METHOD FOR AN AIRCRAFT ENGINE**
[54] **SYSTEME DE CONTROLE ACTIF DES JEUX ET METHODE POUR UN MOTEUR D'AERONEF**
[72] POISSANT, JEFFREY, CA
[72] CRAINIC, CRISTINA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-06-30
[41] 2023-01-15
[30] US (17/376,639) 2021-07-15

[21] **3,166,731**
[13] A1
[51] **Int.Cl. H04L 67/56 (2022.01) H04L 67/75 (2022.01)**
[25] EN
[54] **PROBABILISTIC REAL-TIME CONTROL SYSTEM WITH MID-TRANSACTION INPUTS AND PROPORTIONAL OUTPUT**
[54] **SYSTEME PROBABILISTE DE COMMANDE EN TEMPS REEL AVEC ENTREES EN COURS DE TRANSACTION ET SORTIE PROPORTIONNELLE**
[72] HARPUR, RORY ANGUS, ZA
[72] GASPAR, MICHAEL JOHN, ZA
[72] NAICKER, THEO, ZA
[71] GAMES GLOBAL WORKS LIMITED, IM
[22] 2022-07-05
[41] 2023-01-21
[30] GB (2110492.2) 2021-07-21

[21] **3,166,760**
[13] A1
[51] **Int.Cl. B64D 27/00 (2006.01) B64D 27/24 (2006.01) B64D 41/00 (2006.01) F01D 5/04 (2006.01)**
[25] EN
[54] **EMERGENCY POWER UNIT FOR ELECTRIC AIRCRAFT**
[54] **GROUPE ELECTROGENE DE SECOURS POUR UN AERONEF ELECTRIQUE**
[72] SIDOROVICH PARADISO, IVAN, CA
[72] ALECU, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-05
[41] 2023-01-19
[30] US (17/379,285) 2021-07-19

[21] **3,166,899**
[13] A1
[51] **Int.Cl. B29B 17/00 (2006.01) B09B 3/00 (2022.01) B65G 49/00 (2006.01) F26B 3/10 (2006.01)**
[25] EN
[54] **METHOD AND REPROCESSING SYSTEM FOR REPROCESSING PLASTIC WASTE MATERIAL, IN PARTICULAR PET WASTE MATERIAL**
[54] **METHODE ET SYSTEME DE RETRANSFORMATION DE DECHETS PLASTIQUES, EN PARTICULIER LES DECHETS PRODUITS PAR LES ANIMAUX DE COMPAGNIE**
[72] MATTA, MARINA, DE
[72] LANG, KLAUS-PETER, DE
[71] COPERION GMBH, DE
[22] 2022-07-06
[41] 2023-01-16
[30] DE (10 2021 207 614.9) 2021-07-16

[21] **3,166,929**
[13] A1
[51] **Int.Cl. H04L 67/563 (2022.01) H04L 41/08 (2022.01)**
[25] EN
[54] **HUB AND SPOKE PUBLISH-SUBSCRIBE**
[54] **MECANISME DE PUBLICATION-ABONNEMENT EN ETOILE**
[72] WOODLAND, BERNARD M., US
[72] WHITE, ERIC DONALD, US
[71] ITRON, INC., US
[22] 2022-07-06
[41] 2023-01-16
[30] US (17/378526) 2021-07-16

[21] **3,166,954**
[13] A1
[51] **Int.Cl. F16K 31/363 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01) F16K 31/383 (2006.01) F16N 23/00 (2006.01)**
[25] EN
[54] **PRESSURE REFERENCED VALVE**
[54] **SOUPAPE DE PRESSION DE REFERENCE**
[72] PELLERIN, HUGHES, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-06
[41] 2023-01-20
[30] US (17/380,573) 2021-07-20

[21] **3,166,957**
[13] A1
[51] **Int.Cl. F02C 9/18 (2006.01) B64D 31/00 (2006.01) F02C 6/08 (2006.01) F02C 9/22 (2006.01) F02C 9/42 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE WITH LOW-PRESSURE COMPRESSOR BYPASS**
[54] **TURBINE A GAZ A DERIVATION DE COMPRESSEUR BASSE PRESSION**
[72] COUTU, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-06
[41] 2023-01-21
[30] US (17/381,446) 2021-07-21

[21] **3,167,005**
[13] A1
[51] **Int.Cl. C10M 169/06 (2006.01) C10M 119/12 (2006.01) C10M 145/14 (2006.01)**
[25] EN
[54] **LUBRICANT ADDITIVE COMPOSITION**
[54] **COMPOSITION D'ADDITIF DE LUBRIFIANT**
[72] YUKI, TSUYOSHI, JP
[72] ARAI, YASUO, JP
[72] MATSUDA, TOMOHIRO, JP
[72] KISHIDA, NOBUHIRO, JP
[71] EVONIK OPERATIONS GMBH, DE
[22] 2022-07-07
[41] 2023-01-16
[30] EP (21185986.3) 2021-07-16

[21] **3,167,146**
[13] A1
[51] **Int.Cl. A61H 33/00 (2006.01) A47K 3/00 (2006.01) A61H 33/02 (2006.01) F16L 47/32 (2006.01) F16L 55/07 (2006.01)**
[25] EN
[54] **MANIFOLD FOR AIR MASSAGE SYSTEM OF TUB**
[54] **COLLECTEUR POUR SYSTEME DE MASSAGE A AIR DE BAIN**
[72] CASTELLOTE, MIGUEL, CA
[72] CIECHANOWSKI, DOMINIQUE, CA
[71] CASTELLOTE, MIGUEL, CA
[71] CIECHANOWSKI, DOMINIQUE, CA
[22] 2022-07-07
[41] 2023-01-16
[30] US (63/222,645) 2021-07-16

[21] **3,167,196**
[13] A1
[51] **Int.Cl. A61M 39/22 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **COUPLER DEVICE FOR VALVE ASSEMBLY FOR USE WITH MEDICAL INFUSION DEVICE**
[54] **DISPOSITIF DE COUPLAGE POUR UN ENSEMBLE DE SOUPAPE A UTILISER AVEC UN DISPOSITIF DE PERFUSION MEDICAL**
[72] DIKEMAN, W. CARY, US
[72] WILSON, TAYLOR, US
[71] NEXUS MEDICAL, LLC, US
[22] 2022-07-11
[41] 2023-01-21
[30] US (63/224,190) 2021-07-21

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[21] **3,167,425**
[13] A1
[51] **Int.Cl. B25C 1/06 (2006.01) B25C 5/15 (2006.01)**
[25] EN
[54] **POWERED FASTENER DRIVER**
[54] **POSE-ATTACHES ELECTRIQUE**
[72] POMEROY, EDWARD A., US
[72] WATSON, ELTON L., US
[72] CLACK, JUSTIN, US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-07-12
[41] 2023-01-16
[30] US (63/222639) 2021-07-16

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[21] **3,167,445**
[13] A1
[51] **Int.Cl. E04B 1/26 (2006.01) E04B 1/00 (2006.01) E04B 2/70 (2006.01) E04C 3/00 (2006.01)**
[25] EN
[54] **A FRAMING ASSEMBLY**
[54] **ASSEMBLAGE DE CHARPENTE**
[72] FREIN, THOMAS G., US
[71] FREIN, THOMAS G., US
[22] 2022-07-06
[41] 2023-01-19
[30] US (17/378,788) 2021-07-19

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[21] **3,167,446**
[13] A1
[51] **Int.Cl. H04L 61/5076 (2022.01) H04L 61/5014 (2022.01)**
[25] EN
[54] **NETWORK DEVICE IDENTIFICATION**
[54] **IDENTIFICATION DE DISPOSITIF RESEAU**
[72] POVILAVICIUS, KAROLIS, US
[72] BISIKIRSKAS, JUSTINAS, US
[71] CUJO LLC, US
[22] 2022-07-12
[41] 2023-01-15
[30] US (63/222369) 2021-07-15

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[21] **3,167,471**
[13] A1
[51] **Int.Cl. B25B 27/14 (2006.01) B25B 5/14 (2006.01)**
[25] EN
[54] **DRAIN EXTRACTOR TOOL**
[54] **OUTIL D'EXTRACTION DE DRAIN**
[72] OGRODNICK, MICHAEL JOHN, CA
[71] OGRODNICK, MICHAEL JOHN, CA
[22] 2022-07-12
[41] 2023-01-15
[30] US (63221982) 2021-07-15

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[21] **3,167,472**
[13] A1
[51] **Int.Cl. D06P 5/28 (2006.01)**
[25] EN
[54] **LOW DIFFUSIVITY PAPER FOR SUBLIMATION PRINTING**
[54] **PAPIER DE FAIBLE DIFFUSIVITE POUR L'IMPRESSION PAR SUBLIMATION**
[72] ALVAREZ, HUGUES, LU
[72] DESCOUENS, GILBERT, LU
[72] SALASCA, AUGUSTIN, LU
[72] VIVES, LAURENT, LU
[72] COMBE, CHRISTOPHE, LU
[71] SWM LUXEMBOURG, LU
[22] 2022-07-13
[41] 2023-01-21
[30] US (63/224,168) 2021-07-21

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[21] **3,167,500**
[13] A1
[51] **Int.Cl. E04D 13/064 (2006.01) E04D 13/072 (2006.01)**
[25] EN
[54] **GUTTER ASSEMBLY AND METHOD FOR INSTALLING A GUTTER**
[54] **ENSEMBLE DE GOUTTIERE ET PROCEDE D'INSTALLATION DE GOUTTIERE**
[72] BROCHU, STEPHANE, CA
[71] BROCHU, STEPHANE, CA
[22] 2022-07-13
[41] 2023-01-15
[30] US (63/203,265) 2021-07-15

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[21] **3,167,510**
[13] A1
[51] **Int.Cl. B60K 1/04 (2019.01) B60L 50/61 (2019.01) B60L 50/75 (2019.01)**
[25] EN
[54] **TELEHANDLER WITH CONVERTIBLE PROPULSION**
[54] **CHARIOT TELESCOPIQUE A PROPULSION CONVERTIBLE**
[72] IOTTI, MARCO, IT
[71] MANITOU ITALIA S.R.L., IT
[22] 2022-07-13
[41] 2023-01-21
[30] IT (102021000019406) 2021-07-21

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[21] **3,167,518**
[13] A1
[51] **Int.Cl. B21B 15/00 (2006.01) B21B 31/02 (2006.01)**
[25] EN
[54] **ROLLING MACHINE FOR ASSEMBLING HEAT-CUT PROFILES**
[54] **ENROULEUSE POUR ASSEMBLER DES PROFILS COUPES A CHAUD**
[72] PELANDRA, FILIPPO, IT
[72] SERMENGHI, ANDREA, IT
[71] OEMME S.P.A., IT
[22] 2022-07-12
[41] 2023-01-20
[30] IT (102021000019100) 2021-07-20

[21] **3,167,519**
[13] A1
[51] **Int.Cl. H01H 3/28 (2006.01) H01H 71/24 (2006.01) H01H 83/00 (2006.01)**
[25] EN
[54] **OPENING AND CLOSING MECHANISM AND LEAKAGE PROTECTION DEVICE**
[54] **MECANISME D'OUVERTURE ET DE FERMETURE ET DISPOSITIF DE PROTECTION CONTRE LES FUITES**
[72] ZHANG, DAHAI, CN
[72] WANG, YONGGANG, CN
[72] DU, QILIAN, CN
[72] FAN, XIN, CN
[72] WANG, BO, CN
[71] SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD., AU
[22] 2022-07-13
[41] 2023-01-16
[30] CN (202110808415.1) 2021-07-16

[21] **3,167,520**
[13] A1
[51] **Int.Cl. G01K 13/00 (2021.01) A47J 37/04 (2006.01) A47J 37/07 (2006.01) G01K 1/02 (2021.01) G01K 1/024 (2021.01)**
[25] EN
[54] **THERMOMETER FOR A ROTISSERIE**
[54] **THERMOMETRE DE ROTISSERIE**
[72] WEBB, KIEL, CA
[72] HARRISON, BENJAMIN, CA
[72] KIRVAN, COLIN, CA
[72] WITZEL, THEODORE ANDREW, CA
[71] ONWARD MULTI-CORP INC., CA
[22] 2022-07-13
[41] 2023-01-15
[30] US (63/222281) 2021-07-15

[21] **3,167,521**
[13] A1
[51] **Int.Cl. A47L 11/40 (2006.01) A47L 11/24 (2006.01) A47L 11/282 (2006.01) A47L 11/30 (2006.01) E01H 1/04 (2006.01) E01H 1/05 (2006.01)**
[25] FR
[54] **INDUSTRIAL SWEEPER EQUIPPED WITH AN IMPROVED DEVICE FOR CLEANING ITS AIR FILTER**
[54] **BALAYEUSE INDUSTRIELLE POURVUE D'UN DISPOSITIF DE DECOLMATAGE PERFECTIONNE DE SON FILTRE A AIR**
[72] GUENGANT, MICHEL, FR
[72] MORVAN, MICHEL, FR
[72] MIOSSEC, ARNAUD, FR
[71] ETABLISSEMENTS EMILY, FR
[22] 2022-07-12
[41] 2023-01-16
[30] FR (2107697) 2021-07-16

[21] **3,167,525**
[13] A1
[25] EN
[54] **METHOD AND APPARATUS FOR MANAGING INDUSTRIAL GAS PRODUCTION**
[54] **METHODE ET APPAREIL POUR GERER LA PRODUCTION DE GAZ INDUSTRIEL**
[72] ESPIE, DAVID M., US
[72] MISRA, PRATIK, US
[72] WILSON, GRAEME RICHARD, GB
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2022-07-12
[41] 2023-01-19
[30] US (17/378/891) 2021-07-19

[21] **3,167,536**
[13] A1
[51] **Int.Cl. B25J 9/00 (2006.01) B25J 11/00 (2006.01)**
[25] FR
[54] **EXOSKELETON ALLOWING GREAT FREEDOM OF MOVEMENT OF THE SHOULDER**
[54] **EXOSQUELETTE AUTORISANT UNE GRANDE LIBERTE DE MOUVEMENT DE L'EPAULE**
[72] DOUBINSK, BENJAMIN, FR
[72] GRENIER, JORDANE, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[22] 2022-07-13
[41] 2023-01-19
[30] FR (2107783) 2021-07-19

[21] **3,167,540**
[13] A1
[51] **Int.Cl. A01N 37/44 (2006.01) A01N 65/18 (2009.01) A01N 65/20 (2009.01) A01N 37/46 (2006.01) A01P 21/00 (2006.01) C05C 11/00 (2006.01) C05F 11/00 (2006.01)**
[25] EN
[54] **FEEDSTOCK FOR PRODUCING BIOSTIMULANT COMPOSITIONS**
[54] **CHARGE UTILE POUR LA PRODUCTION DE COMPOSITIONS DE BIOSTIMULANT**
[72] DE COTE, JOSE ANTONIO, KY
[72] SALAS, CARLOS ANTONIO, KY
[72] VASQUEZ DE VELASCO, PATRICK, KY
[71] SHARED-X LLC, KY
[22] 2022-07-13
[41] 2023-01-16
[30] US (63/203,327) 2021-07-16

[21] **3,167,542**
[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 34/30 (2016.01) A61F 2/46 (2006.01)**
[25] EN
[54] **ROBOTICALLY ASSISTED SURGICAL REAMING**
[54] **ALESAGE CHIRURGICAL ASSISTE PAR ROBOT**
[72] AIRODY, AJITH, CA
[72] BALLI, ALEXIS, CA
[72] BASTA, IAN, CA
[72] CHABOT, BRUNO, CA
[72] DUPUIS, KARINE, CA
[72] LUU, VANGIAU, CA
[72] MENARD, JEREMIE, CA
[72] REICH, AIDEN, CA
[72] ZIMMERMANN, YANN, CA
[71] ORTHOSOFT ULC, CA
[22] 2022-07-13
[41] 2023-01-16
[30] US (63/222,628) 2021-07-16

[21] **3,167,583**
[13] A1
[51] **Int.Cl. A45C 3/06 (2006.01) A45C 3/04 (2006.01) A45C 13/00 (2006.01)**
[25] EN
[54] **TOTE BAG**
[54] **SAC FOURRE-TOUT**
[72] SEIDERS, ROY JOSEPH, US
[72] BULLOCK, DUSTIN, US
[72] DOW, JOHN W., US
[71] YETI COOLERS, LLC, US
[22] 2022-07-13
[41] 2023-01-21
[30] US (17/381998) 2021-07-21

[21] **3,167,584**
[13] A1
[51] **Int.Cl. B01J 20/02 (2006.01) B01J 20/30 (2006.01)**
[25] EN
[54] **ORTHOSILICATE-BASED ADSORBENT AND SELECTIVE METAL ADSORPTION FROM BRINES USING ORTHOSILICATE-BASED ADSORBENT**
[54] **ADSORBANT A BASE D'ORTHOSILICATE ET ADSORPTION DE METAL SELECTIVE DANS LES SAUMURES AU MOYEN DE L'ADSORBANT A BASE D'ORTHOSILICATE**
[72] RASOOL, MAJID, CA
[72] HASHAM, HAAFIZ, CA
[72] MISLAN, MICHAEL DANIEL, CA
[71] CONDUCTIVE ENERGY INC., CA
[22] 2022-07-14
[41] 2023-01-15
[30] US (63/222,273) 2021-07-15

[21] **3,167,589**
[13] A1
[51] **Int.Cl. A43B 13/24 (2006.01) A43B 5/00 (2022.01) A43B 13/22 (2006.01)**
[25] EN
[54] **OUTSOLES HAVING TRACTION INSERTS**
[54] **SEMELLE EXTERIEURE COMPRENANT DES PLAQUETTES D'ADHERENCE**
[72] ROBUSTI, GEORGE ALAN, CA
[72] KOVACH, GRANT F., CA
[72] LAM, CHRISTOPHER KA-YIN, CA
[72] OLESON, MARK ARTHUR, CA
[72] PIERALDI, HEATHER PATRICIA, CA
[71] LULULEMON ATHLETICA CANADA INC., CA
[22] 2022-07-14
[41] 2023-01-20
[30] US (17/381,101) 2021-07-20

[21] **3,167,618**
[13] A1
[51] **Int.Cl. H04L 47/22 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRIORITIZING NETWORK TRAFFIC IN A DISTRIBUTED ENVIRONMENT**
[54] **SYSTEME ET METHODE D'ETABLISSEMENT DES PRIORITES DE TRAFIC RESEAU DANS UN ENVIRONNEMENT DISTRIBUE**
[72] MULKAR, TUSHAR, IN
[72] SARKAR, NILANJAN, IN
[72] SRIVASTAVA, ANCHAL, IN
[71] SANDVINE CORPORATION, CA
[22] 2022-07-14
[41] 2023-01-15
[30] IN (202111031831) 2021-07-15
[30] IN (202111038938) 2021-08-27
[30] EP (22184661.1) 2022-07-13

[21] **3,167,625**
[13] A1
[51] **Int.Cl. H04L 47/22 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING NETWORK TRAFFIC USING FAIR-SHARE PRINCIPLES**
[54] **SYSTEME ET METHODE POUR GERER UN TRAFIC RESEAU AU MOYEN DE PRINCIPES DE RATIONNEMENT EQUITABLE**
[72] MULKAR, TUSHAR, IN
[72] SRIVASTAVA, ANCHAL, IN
[72] MITTAL, AMBUJ, IN
[72] SURESH, AKASH MANCHANHALLI, IN
[72] SARKAR, NILANJAN, IN
[72] AGRAWAL, PIYUSH, IN
[72] DWIVEDI, NEELESH, IN
[71] SANDVINE CORPORATION, CA
[22] 2022-07-14
[41] 2023-01-15
[30] IN (202111038938) 2021-08-27
[30] IN (202111031831) 2021-07-15
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[13] A1
[51] **Int.Cl. B65D 88/74 (2006.01) B65D 77/06 (2006.01)**
[25] EN
[54] **SELF REGULATING HEATER IN AN INTERMEDIATE BULK CONTAINER**
[54] **RADIATEUR AUTOREGLABLE DANS UN CONTENEUR DE VRAC INTERMEDIAIRE**
[72] BLAKE, JAMES T., US
[72] AMBRIOLE, TYLER W., US
[72] KELLY, MICHAEL R., US
[71] CALIENTE LLC, US
[22] 2022-07-14
[41] 2023-01-19
[30] US (63/223296) 2021-07-19

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[13] A1
[51] **Int.Cl. B64D 37/30 (2006.01) B64D 31/00 (2006.01) F02C 7/22 (2006.01) F02C 9/40 (2006.01)**
[25] EN
[54] **MULTI-FUEL ENGINE FOR AN AIRCRAFT**
[54] **MOTEUR POLYCARBURANT POUR UN AERONEF**
[72] FAM, EZZAT MESHKIN, CA
[72] LU, XUENING, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-14
[41] 2023-01-19
[30] US (17/379,532) 2021-07-19

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[25] EN
[54] **COLD PLATE FOR POWER ELECTRONIC SYSTEMS**
[54] **PLAQUE FROIDE POUR SYSTEMES ELECTRONIQUES DE PUISSANCE**
[72] HIBBARD, MICHAEL, US
[72] PARLAKYAN, AREG, US
[72] RANDALL, GARY, US
[71] AUTO MOTIVE POWER INC., US
[22] 2022-07-14
[41] 2023-01-16
[30] US (63/222802) 2021-07-16

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[13] A1
[51] **Int.Cl. F28F 9/00 (2006.01) F24H 9/1854 (2022.01) F24F 13/30 (2006.01)**
[25] EN
[54] **ANGLED BAFFLES FOR A HEAT EXCHANGER**
[54] **CHICANES EN ANGLE POUR ECHANGEUR DE CHALEUR**
[72] MATHEW, RAKESH, US
[72] SHERROW, LESTER DALE, US
[72] DAVIS, DANIEL WILLIAM, II, US
[72] HOYT, BENNIE DALE, US
[71] JOHNSON CONTROLS TYCO IP HOLDINGS LLP, US
[22] 2022-07-14
[41] 2023-01-15
[30] US (17/377066) 2021-07-15

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[13] A1
[51] **Int.Cl. A01G 9/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING AND MANAGING REACTIVE POWER FROM HORTICULTURAL LIGHTING SOURCES IN AN ELECTRICAL GRID**
[54] **SYSTEMES ET METHODES POUR SURVEILLER ET GERER LA PUISSANCE REACTIVE DE SOURCES D'ECLAIRAGE HORTICOLE DANS UN RESEAU ELECTRIQUE**
[72] POIRIER, JACQUES, CA
[72] TREMBLAY, MARC, CA
[72] ROY-MOISAN, FRANCOIS, CA
[72] DUPRAS, GABRIEL, CA
[72] LONGPRE, FLORENCE, CA
[71] SOLLUM TECHNOLOGIES INC., CA
[22] 2022-07-15
[41] 2023-01-16
[30] US (63/203.304) 2021-07-16

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[51] **Int.Cl. E04C 2/08 (2006.01) E04B 9/04 (2006.01) E04F 13/12 (2006.01)**
[25] EN
[54] **ARCHITECTURAL PANEL AND METHOD FOR MANUFACTURING THE SAME**
[54] **PANNEAU ARCHITECTURAL ET METHODE DE FABRICATION**
[72] KABATSI, CHRIS, US
[72] KILIAN, ROBERT, US
[72] KANE, KEVIN, US
[72] JOHNSTON, JOHN, US
[72] TAVASSOLI, MOTI, US
[71] ARKTURA LLC, US
[22] 2022-07-15
[41] 2023-01-20
[30] US (63/223,737) 2021-07-20

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[51] **Int.Cl. E04B 1/82 (2006.01)**
[25] EN
[54] **ASSEMBLIES, DEVICES, SYSTEMS AND METHODS RELATING TO SOUND ISOLATION BETWEEN FLOORS OF A BUILDING**
[54] **ASSEMBLAGES, DISPOSITIF, SYSTEMES ET METHODES LIES A L'ISOLATION ACOUSTIQUE ENTRE LES PLANCHERS D'UN BATIMENT**
[72] ERVIN, CHRISTOPHER H., US
[71] GLOBAL INTEGRATED FLOORING SOLUTIONS, US
[22] 2022-07-15
[41] 2023-01-15
[30] US (63/222,097) 2021-07-15

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[51] **Int.Cl. C01D 15/04 (2006.01) B01D 61/42 (2006.01) C01D 15/00 (2006.01) C22B 3/20 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **ELECTRO-PRESSURE MEMBRANE METHOD FOR RECOVERY AND CONCENTRATION OF LITHIUM FROM AQUEOUS SOURCES**
[54] **METHODE POUR UNE MEMBRANE DE PRESSION ELECTRONIQUE POUR LA RECUPERATION ET LA CONCENTRATION DE LITHIUM DE SOURCES AQUEUSES**
[72] SCHMIDT, ERNST, US
[71] AQUEOUS RESOURCES LLC, US
[22] 2022-07-15
[41] 2023-01-19
[30] US (17/862,572) 2022-07-12
[30] US (63/223,192) 2021-07-19

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[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) A61B 34/20 (2016.01) A61B 34/30 (2016.01)**
[25] EN
[54] **ROBOTIC REVISION KNEE ARTHROPLASTY VIRTUAL RECONSTRUCTION SYSTEM**
[54] **SYSTEME DE RECONSTITUTION VIRTUELLE D'ARTHROPLASTIE DU GENOU REVISEE PAR ROBOT**
[72] FACCHINELLO, YANN, CA
[72] PELLETIER, VINCENT, CA
[72] SANFORD, ADAM H., US
[72] LEVEILLE, CATHERINE, CA
[72] HENDERSON, ADAM D., CH
[71] ORTHOSOFT ULC, CA
[22] 2022-07-14
[41] 2023-01-19
[30] US (63/223,329) 2021-07-19
[30] US (63/231,070) 2021-08-09

[21] **3,168,003**
[13] A1
[51] **Int.Cl. H05B 47/105 (2020.01) A01G 9/20 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING UNDESIRED EFFECTS PRODUCED BY HORTICULTURAL LIGHTING SOURCES IN AN ELECTRICAL GRID**
[54] **SYSTEMES ET METHODES POUR GERER LES EFFETS INDESIRABLES PRODUITS PAR DES SOURCES D'ECLAIRAGE HORTICOLE DANS UN RESEAU ELECTRIQUE**
[72] POIRIER, JACQUES, CA
[72] TREMBLAY, MARC, CA
[72] ROY-MOISAN, FRANCOIS, CA
[72] DUPRAS, GABRIEL, CA
[72] LONGPRE, FLORENCE, CA
[71] SOLLUM TECHNOLOGIES INC., CA
[22] 2022-07-15
[41] 2023-01-16
[30] US (63/203.304) 2021-07-16
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[13] A1
[51] **Int.Cl. C12G 3/021 (2019.01) C12G 3/00 (2019.01) C12P 7/06 (2006.01) C12P 19/14 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCTION OF ALCOHOLIC BEVERAGES FROM CORN USING AN ALKALINE COOKING PROCESS, TREATMENT-USE OF ALKALINE COOKING RESIDUES FOR PRODUCTION OF DISTILLED ALCOHOL FOR PRUPOSES OF HUMAN CONSUMPTION AND/OR INDUSTRIAL USE**
[54] **METHODE DE PRODUCTION DE BREUVAGES ALCOOLIQUES A PARTIR DE MAIS AU MOYEN D'UN PROCEDE DE CUISSON ALCALIN, TRAITEMENT-UTILISATION DES RESIDUS DE CUISSON ALCALINS POUR LA PRODUCTION D'UN ALCOOL DISTILLE AUX FINS DE CONSOMMATION HUMAINE ET/OU D'UTILISATION INDUSTRIELLE**
[72] OYARZABAL, IVAN SALDANA, MX
[71] CASA LUMBRE S.A.P.I DE C.V., MX
[22] 2022-07-15
[41] 2023-01-16
[30] MX (MX/A/2021/008620) 2021-07-16

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[13] A1
[51] **Int.Cl. A61K 31/4168 (2006.01) A61K 9/08 (2006.01)**
[25] EN
[54] **LIQUID PHARMACEUTICAL COMPOSITION OF CLONIDINE**
[54] **COMPOSITION PHARMACEUTIQUE LIQUIDE DE CLONIDINE**
[72] CARR, SCOTT, GB
[72] MLAMBO, KHONZANANI, GB
[71] ROSEMONT PHARMACEUTICALS LIMITED, GB
[22] 2022-07-15
[41] 2023-01-20
[30] GB (2110420.3) 2021-07-20

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[13] A1
[51] **Int.Cl. G06F 21/34 (2013.01) G06F 21/62 (2013.01) G07F 19/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING HUMAN PRESENCE NEAR A TRANSACTION KIOSK**
[54] **SYSTEMES ET METHODES POUR DETECTER LA PRESENCE D'HUMAINS PRES D'UN KIOSQUE DE TRANSACTION**
[72] WURMFELD, DAVID KELLY, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-07-15
[41] 2023-01-20
[30] US (17/381,116) 2021-07-20

[21] **3,168,008**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06Q 10/04 (2023.01) G06Q 10/0631 (2023.01) G06Q 10/105 (2023.01)**
[25] EN
[54] **ARTIFICIAL INTELLIGENCE MACHINE LEARNING PLATFORM TRAINED TO PREDICT DISPATCH OUTCOME**
[54] **PLATEFORME D'APPRENTISSAGE AUTOMATIQUE UTILISANT L'INTELLIGENCE ARTIFICIELLE POUR PREVOIR UN RESULTAT DE REPARTITION**
[72] MALDONADO, CARLOS LARA, US
[72] WARD, ROBERT MICHAEL, US
[72] DIRKS, JEFFREY S., US
[72] KAPCAR, CHRISTOPHER A., US
[71] TRUEBLUE, INC., US
[22] 2022-07-15
[41] 2023-01-19
[30] US (17/379,708) 2021-07-19

[21] **3,168,022**
[13] A1
[25] EN
[54] **PRINT CONSUMABLE DETECTION**
[54] **DETECTION D'UN BIEN CONSOMMABLE D'IMPRESSION**
[72] LAUWERS, ANNEMIE, BE
[72] CANNOODT, HENDRIK, BE
[72] VAN AERDE, GEERT, BE
[72] VAN BRITSOM, DIRK, BE
[72] D'HOYE, PETER, BE
[71] SANFORD L.P., US
[22] 2022-07-15
[41] 2023-01-19
[30] US (63/223,443) 2021-07-19

[21] **3,168,030**
[13] A1
[51] **Int.Cl. A44C 7/00 (2006.01)**
[25] EN
[54] **PIERCING DEVICE WITH RETRACTABLE NEEDLE**
[54] **DISPOSITIF DE PERCAGE A AIGUILLE RETRACTABLE**
[72] KNOX, STEFAN, GB
[72] CHEETHAM, SARAH, GB
[72] SANDYS, JACK, GB
[72] KNOX, KIRSTIN, GB
[72] HOLT, BOB, GB
[72] DAVIES, THEO, GB
[72] THOMPSON, CHESTER, GB
[71] EARGUN LIMITED, GB
[22] 2022-07-15
[41] 2023-01-15
[30] GB (2110227.2) 2021-07-15

[21] **3,168,032**
[13] A1
[51] **Int.Cl. B60W 50/00 (2006.01) B60W 50/08 (2020.01)**
[25] EN
[54] **AUTOMATIC VEHICLE CONTROL**
[54] **COMMANDE AUTOMATIQUE DE VEHICULE**
[72] SHAUGHNESSY, AIDAN B., US
[72] BE PUCKETTE, ROBERT, US
[72] ELGEE, STEVEN B., US
[72] NORSTAD, TIMOTHY P., US
[72] TURNER, CARL A., US
[72] BUNGERT, BRENDEN D., US
[72] HORKY, JACOB P., US
[71] POLARIS INDUSTRIES INC., US
[22] 2022-07-18
[41] 2023-01-20
[30] US (63/223863) 2021-07-20

[21] **3,168,058**
[13] A1
[51] **Int.Cl. F02C 7/22 (2006.01) B64D 37/32 (2006.01) F01D 21/14 (2006.01) F02C 9/46 (2006.01) F02D 41/22 (2006.01)**
[25] EN
[54] **DETECTING A FUEL LEAK IN AN ENGINE FUEL SYSTEM**
[54] **DETECTION D'UNE FUITE DE CARBURANT DANS UN CIRCUIT CARBURANT REACTEUR**
[72] FAM, EZZAT MESHKIN, CA
[72] LU, XUENING, CA
[72] DURAND, SEAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-15
[41] 2023-01-19
[30] US (17/379,557) 2021-07-19

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[13] A1
[51] **Int.Cl. E21C 41/26 (2006.01) E21F 13/00 (2006.01)**
[25] FR
[54] **METHOD FOR MINING AN OPEN-PIT EXTRACTION SITE**
[54] **PROCEDE D'EXPLOITATION D'UN SITE D'EXTRACTION A CIEL OUVERT**
[72] BRUNONE, RENE, FR
[71] BRUNONE, RENE, FR
[22] 2022-07-18
[41] 2023-01-19
[30] FR (FR 21 07760) 2021-07-19

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[13] A1
[51] **Int.Cl. C02F 3/00 (2006.01) C02F 1/00 (2006.01) C02F 3/28 (2006.01)**
[25] EN
[54] **ASYMMETRIC LEACHING CHAMBER FOR ONSITE WASTEWATER MANAGEMENT SYSTEM**
[54] **CHAMBRE DE LIXIVIATION ASYMETRIQUE POUR UN SYSTEME DE GESTION DES EAUX USEES SUR PLACE**
[72] DOUGLASS, BRIAN L., US
[71] PRINSCO, INC., US
[22] 2022-07-18
[41] 2023-01-19
[30] US (63/223,230) 2021-07-19
[30] US (63/310,771) 2022-02-16
[30] US (17/812,621) 2022-07-14

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[13] A1
[51] **Int.Cl. A63F 3/00 (2006.01) A63F 1/00 (2006.01)**
[25] EN
[54] **CHALLENGE CRIBBAGE GAME DEVICE AND METHOD**
[54] **DISPOSITIF DE JEU DE CRIBBAGE DIFFICILE ET METHODE**
[72] CARSON, KEITH, CA
[71] CARSON, KEITH, CA
[22] 2022-07-18
[41] 2023-01-20
[30] US (63/223,931) 2021-07-20

[21] **3,168,115**
[13] A1
[51] **Int.Cl. G03B 37/04 (2021.01)**
[25] EN
[54] **TRIGGERING SYSTEM**
[54] **SYSTEME DE DETENTE**
[72] LOPES BARRETO, JOSE HERCULANO, NL
[72] VAN STERKENBURG, CORNELIS ALEXANDER ELIZABETH, NL
[72] BEERS, BART JOHANNES, NL
[71] CYCLOMEDIA TECHNOLOGY B.V., NL
[22] 2022-07-18
[41] 2023-01-19
[30] NL (NL 2028779) 2021-07-19

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[13] A1
[51] **Int.Cl. E06B 5/00 (2006.01) E06B 11/00 (2006.01)**
[25] EN
[54] **ACCESS OPENING CLOSURE DEVICE**
[54] **DISPOSITIF D'OBTURATION D'OUVERTURE D'ACCES**
[72] THOMSON, ALEXANDER, US
[71] THOMSON, ALEXANDER, US
[22] 2022-07-18
[41] 2023-01-21
[30] US (17/443,142) 2021-07-21

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[13] A1
[51] **Int.Cl. B62D 5/04 (2006.01) B66F 9/075 (2006.01)**
[25] EN
[54] **FORKLIFT STEER-BY-WIRE CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE ELECTRIQUE DE CHARIOT ELEVATEUR A FOURCHE**
[72] MAJOR, JOSEPH, US
[72] PARTRIDGE, KEVIN, US
[71] TOYOTA MATERIAL HANDLING, INC., US
[22] 2022-07-18
[41] 2023-01-20
[30] US (63/223600) 2021-07-20

[21] **3,168,163**
[13] A1
[51] **Int.Cl. E04F 10/06 (2006.01) B60P 3/36 (2006.01)**
[25] EN
[54] **RV AWNING SYSTEMS AND RELATED METHODS**
[54] **SYSTEMES DE TENTE DE VEHICULE RECREATIF ET METHODES CONNEXES**
[72] CONSADORI, FRANCESCO, US
[71] LIPPERT COMPONENTS MANUFACTURING, INC., US
[22] 2022-07-19
[41] 2023-01-20
[30] US (63/223,673) 2021-07-20

[21] **3,168,175**
[13] A1
[51] **Int.Cl. F24D 13/02 (2006.01) F24D 19/10 (2006.01)**
[25] EN
[54] **TILTABLE RADIANT HEATER**
[54] **RADIATEUR DE CHAUFFAGE INCLINABLE**
[72] CALDWELL, CHARLES F., US
[72] RUBEN, BRIAN, US
[71] NATIONAL PRESTO INDUSTRIES, INC., US
[22] 2022-07-18
[41] 2023-01-21
[30] US (63/224,042) 2021-07-21
[30] US (17/851,591) 2022-06-28

[21] **3,168,187**
[13] A1
[51] **Int.Cl. B25J 9/18 (2006.01)**
[25] EN
[54] **METHOD AND SERVER FOR CALCULATING A TRAJECTORY OF AN ARTICULATED ARM OF A ROBOT**
[54] **METHODE ET SERVEUR POUR CALCULER UNE TRAJECTOIRE D'UN BRAS ARTICULE D'UN ROBOT**
[72] SIMARD, FRANCOIS, CA
[71] OMNIROBOTIC INC., CA
[22] 2022-07-19
[41] 2023-01-21
[30] US (17/381,278) 2021-07-21

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[13] A1
[51] **Int.Cl. A61K 33/44 (2006.01) A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/36 (2006.01) A61P 1/00 (2006.01)**
[25] FR
[54] **ACTIVATED CARBON-BASED COMPOUND USED IN THE TREATMENT OF DIGESTIVE PROBLEMS IN ANIMALS**
[54] **COMPOSITION A BASE DE CHARBON ACTIF UTILISEE DANS LE TRAITEMENT DES TROUBLES DIGESTIFS CHEZ LES ANIMAUX**
[72] CHAUDER, ANNE, FR
[71] DOMES PHARMA, FR
[22] 2022-07-19
[41] 2023-01-19
[30] FR (21 07759) 2021-07-19

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[13] A1
[51] **Int.Cl. G06F 21/57 (2013.01)**
[25] EN
[54] **METHOD OF MANAGING AND CONTROLLING SECURITY VULNERABILITY, DEVICE, EQUIPMENT, AND COMPUTER-READABLE MEDIUM**
[54] **METHODE DE GESTION DE CONTROLE DES VULNERABILITES DE SECURITE, DISPOSITIF, MATERIEL ET SUPPORT LISIBLE PAR ORDINATEUR**
[72] WANG, WEI, CN
[72] WANG, ZIYIN, CN
[72] GE, LINFENG, CN
[72] WANG, HAIMIN, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-07-19
[41] 2023-01-21
[30] CN (202110824011.1) 2021-07-21

[21] **3,168,225**
[13] A1
[25] EN
[54] **COLLECTOR RING ASSEMBLY**
[54] **ASSEMBLAGE DE BAGUE COLLECTRICE**
[72] NELSON, JONATHON JAMES, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2022-07-19
[41] 2023-01-19
[30] US (63/223,380) 2021-07-19
[30] US (17/866,784) 2022-07-18

[21] **3,168,234**
[13] A1
[51] **Int.Cl. B65B 51/00 (2006.01) B65B 11/50 (2006.01) B65B 53/00 (2006.01)**
[25] EN
[54] **VERTICAL SEALER APPARATUS AND METHODS OF VERTICALLY SEALING**
[54] **APPAREIL D'EMBALLAGE VERTICAL ET METHODES D'EMBALLAGE VERTICAL**
[72] MACNEIL, DAVID IAN, US
[72] BERGEN, KEITH, US
[71] BELCO PACKAGING SYSTEMS, INC., US
[22] 2022-07-19
[41] 2023-01-19
[30] US (63/223,516) 2021-07-19

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[13] A1
[51] **Int.Cl. A01D 43/063 (2006.01) A01D 42/06 (2006.01) A01D 43/00 (2006.01)**
[25] EN
[54] **LAWN MOWER AND ASSOCIATED ATTACHMENT**
[54] **TONDEUSE ET ACCESSOIRE CONNEXE**
[72] BAKER, DAVID J., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-07-19
[41] 2023-01-21
[30] US (17/381,820) 2021-07-21

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[13] A1
[51] **Int.Cl. F27D 1/16 (2006.01) B01J 19/10 (2006.01) B28B 1/093 (2006.01) C04B 35/66 (2006.01) C21B 13/12 (2006.01) C21C 5/52 (2006.01)**
[25] EN
[54] **DENSIFICATION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE DENSIFICATION**
[72] DUHE, KIM M., US
[71] HARBISONWALKER INTERNATIONAL HOLDINGS, INC., US
[22] 2022-07-19
[41] 2023-01-19
[30] US (63/223,328) 2021-07-19

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[13] A1
[51] **Int.Cl. G01C 21/30 (2006.01) B60W 60/00 (2020.01)**
[25] EN
[54] **DYNAMICALLY MODIFIABLE MAP**
[54] **CARTE MODIFIABLE DYNAMIQUEMENT**
[72] WILLIAMS, GRADY, US
[71] EMBARK TRUCKS INC., US
[22] 2022-07-19
[41] 2023-01-19
[30] US (17/379,126) 2021-07-19

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[13] A1
[51] **Int.Cl. A47F 5/08 (2006.01) A47F 5/01 (2006.01) A47G 29/02 (2006.01) F16M 13/02 (2006.01)**
[25] EN
[54] **MOUNTING ASSEMBLY MOUNTABLE TO A WIRE LATTICE**
[54] **ASSEMBLAGE DE MONTAGE POUVANT ETRE INSTALLE SUR UN TREILLIS METALLIQUE**
[72] PRIZZI, GIUSEPPE, CA
[71] 2840629 ONTARIO INC., CA
[22] 2022-07-19
[41] 2023-01-19
[30] US (63/223,309) 2021-07-19
[30] US (63/256,876) 2021-10-18

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[13] A1
[51] **Int.Cl. A61K 33/44 (2006.01) A61K 9/00 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/36 (2006.01) A61P 1/00 (2006.01)**
[25] FR
[54] **AQUEOUS COMPOSITION USED IN THE TREATMENT OF DIGESTIVE PROBLEMS IN ANIMALS**
[54] **COMPOSITION AQUEUSE UTILISEE DANS LE TRAITEMENT DES TROUBLES DIGESTIFS CHEZ LES ANIMAUX**
[72] CHAUDER, ANNE, FR
[71] DOMES PHARMA, FR
[22] 2022-07-19
[41] 2023-01-19
[30] FR (21 07762) 2021-07-19

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[13] A1
[51] **Int.Cl. G01N 1/44 (2006.01)**
[25] EN
[54] **IMPEDANCE HEATED CONTINUOUS EMISSION MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE D'EMISSION CONTINUE CHAUFFE PAR IMPEDANCE**
[72] KOZICH, JOHN G., US
[71] INDEECO, LLC, US
[22] 2022-07-15
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[54] **RETRACTABLE HANDLE FOR RECREATIONAL VEHICLES**
[54] **POIGNEE ESCAMOTABLE POUR VEHICULES RECREATIFS**
[72] SPENCER, MICHAEL A., US
[72] MASON, RYAN, US
[71] MORRYDE INTERNATIONAL, INC., US
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[54] **KNIFE WITH BUILT-IN SHARPENER**
[54] **COUTEAU A AIGUISOIR INTEGRE**
[72] RAYMOND, DANIEL J., US
[71] RAYMOND, DANIEL J., US
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[41] 2023-01-21
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[54] **LIGATURE-RESISTANT HINGE CAP**
[54] **CAPSULE A CHARNIERE RESISTANTE AUX LIGATURES**
[72] SHIELDS, MARIA, US
[72] DOLE JR., GREGORY W., US
[71] SCHLAGE LOCK COMPANY LLC, US
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[54] **COAXIAL ROTATING AUTOMATED STEPPING SURFACE**
[54] **SURFACE DE DECALAGE AUTOMATISEE ROTATIVE COAXIALE**
[72] WATSON, BRADLEY E., CA
[72] NELSON, DEANE, CA
[72] JOHNSON, JEFFREY R., US
[72] PILETTE, MARK T., US
[72] BRIMM, ROBERT D., US
[71] MAGNA EXTERIORS INC., CA
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[54] **REMOVABLE VEHICLE SIDE PANEL SYSTEM**
[54] **SYSTEME DE PANNEAU LATERAL DE VEHICULE AMOVIBLE**
[72] YOUNG, JEANNETTE, US
[72] YOUNG, TIMOTHY, US
[72] EDMUNDS, DANIEL, US
[71] TEIJIN AUTOMOTIVE TECHNOLOGIES, INC., US
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[51] **Int.Cl. G07F 19/00 (2006.01) G06F 3/0481 (2022.01) G06Q 30/0251 (2023.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR MANAGING GRAPHICAL USER INTERFACES FOR ONE OR MORE AUTOMATED TELLER MACHINES**
[54] **SYSTEME ET METHODES POUR GERER DES INTERFACES UTILISATEUR GRAPHIQUES POUR UN OU PLUSIEURS GUICHETS AUTOMATIQUES**
[72] SHETH, ASHAY, US
[72] SHAH, SAGAR, US
[72] CONNOLLY, TREVOR, US
[71] CAPITAL ONE SERVICES, LLC, US
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[54] **DISPLAY ASSEMBLIES**
[54] **ASSEMBLAGES DE PRESENTOIRS**
[72] SMITH, CHERYL ANN, US
[72] SMITH, WILLIAM THOMAS, US
[71] ALL PLASTIC, INC., US
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[54] **POTATO PLANTER**
[54] **PLANTEUSE A PATATES**
[72] VAN SCHALKWYK, DANIE, CA
[72] GRAHAM, LAYTON, CA
[71] ALLAN EQUIPMENT MANUFACTURING LTD., CA
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[54] **TOILET SEAT ASSEMBLY**
[54] **ASSEMBLAGE DE SIEGE DE TOILETTE**
[72] WEISS, JEFFREY J., US
[72] ARNDT, JONATHAN, US
[71] BEMIS MANUFACTURING COMPANY, US
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[25] EN
[54] **A HIGH-TEMPERATURE SUPERCONDUCTING QUBIT AND FABRICATION METHOD**
[54] **QUBIT SUPERCONDUCTEUR A HAUTE TEMPERATURE ET METHODE DE FABRICATION**
[72] POCCIA, NICOLA, CH
[72] TAFURI, FRANCESCO, CH
[72] VINOKOUR, VALERII, CH
[71] TERRA QUANTUM AG, CH
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[54] **POINT-OF-CARE TESTING SYSTEM, ANALYZER AND METHOD**
[54] **SYSTEME DE TEST A UN POINT D'INTERVENTION, ANALYSEUR ET METHODE**
[72] SAMSOONDAR, JAMES, CA
[72] LICHT, MICHAEL, DE
[71] INVIDX CORP., CA
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[54] **IMPROVED ELECTRONIC LOCKBOX**
[54] **COFFRET GARDE-CLES ELECTRONIQUE AMELIORE**
[72] FISHER, SCOTT R., US
[72] DEARDOFF, ALAN F., US
[72] GRIFFITHS, NANCY C., US
[72] CAMBRON, DANIEL C., US
[72] CASKEY, MATTHEW K., US
[71] SENTRILOCK, LLC, US
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[25] EN
[54] **ENGINEERED CHIMERIC FUSION PROTEIN COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE PROTEINES DE FUSION CHIMERIQUES MODIFIEES ET LEURS PROCEDES D'UTILISATION**
[72] GETTS, DANIEL, US
[72] WANG, YUXIAO, US
[71] MYELOID THERAPEUTICS, INC., US
[85] 2021-10-28
[86] 2020-04-30 (PCT/US2020/030837)
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[30] US (62/841,190) 2019-04-30
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[25] EN
[54] **FUNCTIONAL ACRYLIC EMULSION AND PREPARATION METHOD THEREOF, WEAR-RESISTANT ACRYLIC COATED FILM AND ACRYLIC COATED BOPP FILM**
[54] **EMULSION ACRYLIQUE FONCTIONNELLE ET SA METHODE DE PREPARATION, FILM DE POLYPROPYLENE A ORIENTATION BIAXIALE REVETU D'ACRYLIQUE RESISTANTE A L'EAU ET FILM EN POLYPROPYLENE BIORIENTE REVETU D'ACRYLIQUE**
[72] WANG, ENFEI, CN
[72] ZHU, QINGMEI, CN
[72] YIN, RUHONG, CN
[72] LIU, HAIYING, CN
[72] YUAN, YEXING, CN
[71] HAINAN SHINER INDUSTRIAL CO., LTD., HAIKOU(CN), CN
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[86] 2021-08-18 (PCT/CN2021/113227)
[87] (3136565)
[30] CN (202110824028.7) 2021-07-21

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[13] A1
[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DELIVERING NEUROREGENERATIVE THERAPY AND REDUCING POST-OPERATIVE AND CHRONIC PAIN**
[54] **SYSTEMES ET PROCEDES POUR ADMINISTRER UNE THERAPIE NEUROREGENERATIVE ET REDUIRE LA DOULEUR POSTOPERATOIRE ET CHRONIQUE**
[72] CHAN, KATELYN JAN WAI, CA
[72] WILLAND, MICHAEL PATRICK, CA
[72] AGUIRRE, SERGIO DAVID, CA
[71] EPINEURON TECHNOLOGIES INC., CA
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[25] EN
[54] **SODIUM SULFATE BY-PRODUCT PROCESSING IN LITHIUM AND BATTERY CHEMICAL PRODUCTION**
[54] **TRAITEMENT DE SOUS-PRODUIT DE SULFATE DE SODIUM DANS LA PRODUCTION CHIMIQUE DE LITHIUM ET DE BATTERIE**
[72] FRASER, ROBERT JOHN, CA
[72] STAMATIOU, EVANGELOS, CA
[71] HATCH LTD., CA
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[51] **Int.Cl. B32B 27/08 (2006.01) B29C 48/16 (2019.01) B32B 7/02 (2019.01) B32B 7/10 (2006.01) B32B 7/12 (2006.01) B32B 37/15 (2006.01) B65D 30/02 (2006.01) B65D 30/10 (2006.01)**
[25] EN
[54] **RECYCLABLE FLEXIBLE HIGH BARRIER FILMS AND BAGS FOR PACKAGING FLOWABLE MATERIALS**
[54] **PELLICULES ET SACS SOUPLES RECYCLABLES OFFRANT UNE GRANDE PROTECTION SERVANT A CONDITIONNER DES MATERIAUX FLUIDIFIABLES**
[72] FARKAS, NICHOLAS, CA
[71] LIQUI-BOX CORPORATION, US
[85] 2022-09-30
[86] 2022-07-19 (PCT/US2022/037556)
[87] (3174367)
[30] US (63/223,350) 2021-07-19

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[13] A1
[25] EN
[54] **OPTIMIZING CAPACITY AND LEARNING OF WEIGHTED REAL-VALUED LOGIC**
[54] **OPTIMISATION DE CAPACITE ET D'APPRENTISSAGE DE LOGIQUE A VALEUR REELLE PONDEREE**
[72] LUUS, FRANCOIS, ZA
[72] RIEGEL, RYAN, US
[72] AKHALWAYA, ISMAIL YUNUS, ZA
[72] KHAN, NAWEED AGHMAD, ZA
[72] VOS, ETIENNE, ZA
[72] MAKONDO, NDIVHUWO, ZA
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-10-05
[86] 2021-03-18 (PCT/IB2021/052265)
[87] (WO2021/229312)
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[51] **Int.Cl. B29C 70/48 (2006.01) B29C 70/52 (2006.01) B29C 70/86 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTORING A SPAR CAP FOR A WIND TURBINE BLADE PART**
[54] **METHODE DE FABRICATION D'UNE SEMELLE DE LONGERON POUR UNE PARTIE DE PALE D'EOLIENNE**
[72] HANRAHAN, KRISTEN, US
[72] HUNTER, JUSTIN, US
[72] BOON, CHRISTOPHER, GB
[72] KNOBLOCK, TANNER, US
[72] KNOBLOCK, JASPER, US
[71] LM WIND POWER A/S, DK
[71] BLADE DYNAMICS LLLP, US
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[86] 2020-05-25 (PCT/EP2020/064412)
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[25] EN
[54] **FIRST-ORDER LOGICAL NEURAL NETWORKS WITH BIDIRECTIONAL INFERENCE**
[54] **RESEAUX NEURONAUX LOGIQUES DE PREMIER ORDRE AVEC INFERENCE BIDIRECTIONNELLE**
[72] RIEGEL, RYAN, US
[72] LUUS, FRANCOIS, ZA
[72] AKHALWAYA, ISMAIL YUNUS, ZA
[72] KHAN, NAWEED AGHMAD, ZA
[72] MAKONDO, NDIVHUWO, ZA
[72] BARAHONA, FRANCISCO, US
[72] GRAY, ALEXANDER, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[86] 2021-04-13 (PCT/IB2021/053030)
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[51] **Int.Cl. G16B 50/50 (2019.01)**
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[54] **METHOD AND SYSTEM FOR THE EFFICIENT DATA COMPRESSION IN MPEG-G**
[54] **PROCEDE ET SYSTEME POUR LA COMPRESSION DE DONNEES EFFICACE EN MPEG-G**
[72] ALBERTI, CLAUDIO, CH
[72] RAVASI, MASSIMO, CH
[72] RIBECA, PAOLO, GB
[71] GENOMSYS SA, CH
[85] 2022-10-05
[86] 2021-03-17 (PCT/EP2021/056766)
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[51] **Int.Cl. A23K 10/30 (2016.01) A23K 20/147 (2016.01) A23K 20/174 (2016.01)**
[25] EN
[54] **RAWHIDE-FREE HIGHLY DIGESTIBLE DOG CHEW**
[54] **PRODUIT A MACHER POUR CHIEN HAUTEMENT DIGESTIBLE SANS CUIR CRU**
[72] WEINBERG, BRETT, US
[72] FARMER, MICHAEL, US
[71] GLOBALONE PET PRODUCTS LLC, US
[85] 2022-10-05
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[51] **Int.Cl. G05B 19/4069 (2006.01)**
[25] FR
[54] **ASSEMBLY AND METHOD FOR TRAINING OPERATORS ON A DIGITALLY-CONTROLLED MACHINING DEVICE, PRODUCTION ASSEMBLY COMPRISING SUCH A TRAINING ASSEMBLY**
[54] **ENSEMBLE ET PROCEDE DE FORMATION D'OPERATEURS SUR UN DISPOSITIF D'USINAGE A COMMANDE NUMERIQUE, ENSEMBLE DE PRODUCTION COMPRENANT UN TEL ENSEMBLE DE FORMATION**
[72] CHAISY, CEDRIC, FR
[72] COPIN, FRANCK, FR
[71] FRAMATOME, FR
[85] 2022-10-05
[86] 2021-04-07 (PCT/EP2021/059044)
[87] (WO2021/204864)
[30] FR (FR2003459) 2020-04-07

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[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) C07D 413/10 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES FOR INHIBITION OF POLO-LIKE KINASE 4**
[54] **POLYTHERAPIES VISANT A INHIBER LA KINASE 4 DE TYPE POLO**
[72] FLETCHER, GRAHAM, CA
[72] MASON, JACQUELINE M., CA
[72] BRAY, MARK R., CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2022-10-05
[86] 2021-04-05 (PCT/CA2021/050452)
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[30] US (63/005,733) 2020-04-06

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[51] **Int.Cl. A61P 25/02 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **NOVEL ALPHA-SYNUCLEIN BINDING ANTIBODIES, OR ANTIGEN BINDING PORTIONS THEREOF**
[54] **NOUVEAUX ANTICORPS SE LIANT A L'ALPHA-SYNUCLEINE, OU LEURS PARTIES DE LIAISON A L'ANTIGENE**
[72] SCHEEFHALS, AUGUSTINUS PETRUS HENRICUS, NL
[72] TEPPER, WILBRANDT JANNES WICHERT, NL
[72] STOOPS, ERIK, BE
[71] SYNGLE THERAPEUTICS B.V., NL
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[86] 2021-04-12 (PCT/NL2021/050238)
[87] (WO2021/206561)
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[13] A1
[51] **Int.Cl. A63F 3/06 (2006.01) A63F 9/24 (2006.01) H04N 1/00 (2006.01) H04N 1/195 (2006.01) H04N 1/21 (2006.01)**
[25] FR
[54] **METHOD AND DEVICE FOR DOCUMENT IMAGING**
[54] **PROCEDE ET DISPOSITIF D'IMAGERIE DE DOCUMENTS**
[72] ROSTAING, LAURENT PATRICE, FR
[72] ROUH, ALAIN, FR
[72] LE GOUIL, ELISE, FR
[71] CARRUS GAMING, FR
[85] 2022-10-05
[86] 2021-04-06 (PCT/EP2021/058890)
[87] (WO2021/204772)
[30] FR (FR2003432) 2020-04-06

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[13] A1
[51] **Int.Cl. A61F 2/26 (2006.01) B29C 41/00 (2006.01) B29C 41/02 (2006.01)**
[25] EN
[54] **IMPLANTABLE PROSTHETIC DEVICE TO GENERATE PENILE ERECTION IN MEN WITH ERECTILE DYSFUNCTION AND ITS PRODUCTION PROCEDURE**
[54] **DISPOSITIF PROTHETIQUE IMPLANTABLE POUR PRODUIRE UNE ERECTION DU PENIS DES HOMMES SOUFFRANT DE DYSFONCTIONNEMENT ERECTILE ET SON PROCEDE DE PRODUCTION**
[72] MARCONI TORO, MARCELO CARLOS, CL
[72] GONZALEZ RAMOS, ALBERTO ALEJANDRO, CL
[72] CARO PINTO, IVAN ALBERTO, CL
[71] PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE, CL
[85] 2022-10-05
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[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **CELL**
[54] **CELLULE**
[72] MCKENZIE, CALLUM, GB
[72] CORDOBA, SHAUN, GB
[72] PULE, MARTIN, GB
[71] AUTOLUS LIMITED, GB
[85] 2022-10-05
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[87] (WO2021/205176)
[30] GB (2005331.0) 2020-04-09
[30] GB (2017358.9) 2020-11-02

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[13] A1
[51] **Int.Cl. G06G 5/00 (2006.01)**
[25] EN
[54] **MATRIX SKETCHING USING ANALOG CROSSBAR ARCHITECTURES**
[54] **REDUCTION MATRICIELLE SELON DES ARCHITECTURES ANALOGIQUES MATRICIELLES DITES CROSSBAR**
[72] HORESH, LIOR, US
[72] ONEN, OGUZHAN, IL
[72] AVRON, HAIM, IL
[72] GOKMEN, TAYFUN, US
[72] KALANTZIS, VASILEIOS, US
[72] UBARU, SHASHANKA, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[71] RAMOT AT TEL-AVIV UNIVERSITY LTD., IL
[85] 2022-10-05
[86] 2021-04-13 (PCT/IB2021/053027)
[87] (WO2021/229320)
[30] US (16/874,819) 2020-05-15

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[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) C12Q 1/6806 (2018.01) C12Q 1/6869 (2018.01) C12Q 1/6876 (2018.01)**
[25] EN
[54] **FMT PERFORMANCE PREDICTION TEST TO GUIDE AND OPTIMIZE THERAPEUTIC MANAGEMENT OF GVHD PATIENTS**
[54] **TEST DE PREDICTION DE PERFORMANCE DE FMT POUR GUIDER ET OPTIMISER LA GESTION THERAPEUTIQUE DE PATIENTS GVHD**
[72] AFFAGARD, HERVE, FR
[72] PLANTAMURA, EMILIE, FR
[72] PRESTAT, EMMANUEL, FR
[72] GASC, CYRIELLE, FR
[72] LEVAST, BENOIT, FR
[71] MAAT PHARMA, FR
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[51] **Int.Cl. B25C 1/04 (2006.01) B25C 1/14 (2006.01) B25C 5/13 (2006.01) B25D 11/00 (2006.01) B25D 17/00 (2006.01)**
[25] EN
[54] **POWER DRIVING TOOL WITH LATCH POSITION SENSOR**
[54] **PISTOLET ELECTRIQUE A CAPTEUR DE POSITION DE TAQUET**
[72] CARRIER, ALEXANDER L., US
[72] ROBINSON, DERICK C., US
[71] KYOCERA SENCO INDUSTRIAL TOOLS, INC., US
[85] 2022-10-05
[86] 2021-04-29 (PCT/US2021/029816)
[87] (WO2021/225855)
[30] US (63/021,156) 2020-05-07

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[25] EN
[54] **COMPOSITIONS FOR PROMOTING CELLULAR HYDRATION**
[54] **COMPOSITIONS FAVORISANT L'HYDRATATION CELLULAIRE**
[72] SZENTE, LAJOS, HU
[71] EASTPOND LABORATORIES LIMITED, GB
[85] 2022-10-05
[86] 2021-04-06 (PCT/IB2021/000374)
[87] (WO2021/205237)
[30] US (16/841,631) 2020-04-06

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[13] A1
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[72] VANGOOR, AMARNATH REDDY, US
[71] PIKE ENTERPRISES, LLC, US
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[54] **AUTOMATISATION DYNAMIQUE DE SELECTION D'ARTEFACTS DE PIPELINE**
[72] HWANG, JINHO, US
[72] BULUT, MUHAMMED FATIH, US
[72] KANSO, ALI, US
[72] NADGOWDA, SHRIPAD, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[54] **AUTOMATED MAGNETIC RESONANCE IMAGE SEGMENTATION FOR ULTRASOUND THERMAL THERAPY CONTROL**
[54] **SEGMENTATION AUTOMATISEE D'IMAGE DE RESONANCE MAGNETIQUE POUR CONTROLER UNE THERMOTHERAPIE PAR ULTRASONS**
[72] FALKOVSKIY, PAVEL, CH
[71] PROFOUND MEDICAL INC., CA
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[54] **DIAGNOSTIC D'UNE MVMD DE STADE B2**
[72] WILSHAW, JENNY JOYCE, GB
[72] BOSWOOD, ADRIAN, GB
[71] THE ROYAL VETERINARY COLLEGE, GB
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[54] **ENSEMBLE TUILE POUR PANNEAU A PAROI D'EAU**
[72] ZAMPELL, BRIAN J., US
[72] ROLLINS, LEE JR., US
[71] ZAMPELL REFRACTORIES, INC., US
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[54] **SPIROCYCLIC NUCLEOSIDE ANALOGUES FOR THE TREATMENT OF HEPATITIS E**
[54] **ANALOGUES NUCLEOSIDIQUES SPIROCYCLIQUES POUR LE TRAITEMENT DE L'HEPATITE E**
[72] JONCKERS, TIM HUGO MARIA, BE
[72] PAUWELS, FREDERIK, BE
[72] DEBING, YANNICK, BE
[71] JANSSEN PHARMACEUTICALS, INC., US
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[54] **VIRUS STABILIZER, GELATIN HYDROLYSATE FOR VIRUS STABILIZER, AND VIRUS-CONTAINING COMPOSITION**
[54] **STABILISATEUR DE VIRUS, HYDROLYSAT DE GELATINE POUR STABILISATEUR DE VIRUS, ET COMPOSITION CONTENANT UN VIRUS**
[72] HAGIWARA, KATSURO, JP
[72] IDA, MASATAKA, JP
[72] HIRAOKA, YOSUKE, JP
[72] NGAKO KADJI, FRANCOIS MARIE, JP
[72] KOTANI, KAZUKI, JP
[72] TSUKAMOTO, HIROSHI, JP
[71] NITTA GELATIN INC., JP
[71] INCORPORATED EDUCATIONAL INSTITUTION RAKUNO GAKUEN, JP
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[54] **SYSTEM FOR PREVENTING BLOCKAGE OF EVACUATION OF FLEXIBLE PACKAGING**
[54] **SYSTEME POUR PREVENIR UN BLOCAGE DE L'EVACUATION D'UN CONDITIONNEMENT SOUPLE**
[72] GEORGELOS, PAUL, US
[72] KIERAS, RONALD E., US
[72] RUSCHMEIER, MATT, US
[72] JOHNSON, JAMES W., US
[71] LIQUI-BOX CORPORATION, US
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[54] **PYRROLO[1,2-D][1,2,4]TRIAZINE-2-YL-ACETAMIDES UTILISES EN TANT QU'INHIBITEURS DE LA VOIE DE L'INFLAMMASOME NLRP3**
[72] OEHLRICH, DANIEL, BE
[72] VAN GOOL, MICHIEL LUC MARIA, ES
[72] VAN OPDENBOSCH, NINA, BE
[72] LAMKANFI, MOHAMED, BE
[72] LEENAERTS, JOSEPH ELISABETH, BE
[72] MARTINEZ VITURRO, CARLOS MANUEL, ES
[72] MURATORE, MICHAEL ERIC, BE
[71] JANSSEN PHARMACEUTICA NV, BE
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[54] **SYSTEMS AND METHODS FOR CONTROLLING ELECTROMAGNETIC HEATING OF A HYDROCARBON MEDIUM**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DU CHAUFFAGE ELECTROMAGNETIQUE D'UN MILIEU HYDROCARBONE**
[72] NIELSEN, JORGEN S., CA
[72] OKONIEWSKI, MICHAL M., CA
[71] ACCELEWARE LTD., CA
[85] 2022-10-05
[86] 2021-04-06 (PCT/CA2021/050456)
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[54] **PYRIDO[2,3-B][1,4]OXAZINES OR TETRAHYDROPYRIDO[2,3-B][1,4]OXAZEPINES AS IAP ANTAGONISTS**
[54] **PYRIDO[2,3-B][1,4]OXAZINES OU TETRAHYDROPYRIDO[2,3-B][1,4]OXAZEPINES UT ILISEES EN TANT QU'ANTAGONISTES D'IAP**
[72] LI, JING, CN
[72] SONG, FENGTAO, CN
[72] WANG, ZHIWEI, CN
[71] BEIGENE, LTD., KY
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[86] 2021-06-03 (PCT/CN2021/098123)
[87] (WO2021/244608)
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[54] **ALL-IN-ONE AAV VECTORS FOR TREATING CORONAVIRUS-INDUCED DISEASES**
[54] **VECTEURS D'AAV TOUT-EN-UN POUR LE TRAITEMENT DE MALADIES INDUITES PAR CORONAVIRUS**
[72] ZEISBERG, ELISABETH, DE
[72] ZEISBERG, MICHAEL, DE
[72] HASENFUSS, GERD, DE
[72] XU, XINGBO, DE
[72] TAN, XIAOYING, DE
[71] ZEISBERG, ELISABETH, DE
[71] ZEISBERG, MICHAEL, DE
[71] HASENFUSS, GERD, DE
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[54] **TEST DE CHROME VI**
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[71] MATINSPIRED B.V., NL
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[51] **Int.Cl. B61D 17/12 (2006.01)**
[25] EN
[54] **UNDERFRAME FOR A RAIL VEHICLE CAR BODY**
[54] **CHASSIS POUR CAISSE DE VEHICULE FERROVIAIRE**
[72] DIEM, MICHAEL, AT
[72] EGER-HUBEL, CLEMENS, AT
[71] SIEMENS MOBILITY AUSTRIA GMBH, AT
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[25] FR
[54] **METHOD FOR MANUFACTURING A POROUS ELECTRODE, AND MICROBATTERY CONTAINING SUCH AN ELECTRODE**
[54] **PROCEDE DE FABRICATION D'UNE ELECTRODE POREUSE, ET MICROBATTERIE CONTENANT UNE TELLE ELECTRODE**
[72] GABEN, FABIEN, FR
[71] I-TEN, FR
[85] 2022-10-05
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[87] (WO2021/220174)
[30] FR (2004187) 2020-04-28

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[51] **Int.Cl. G01J 5/02 (2022.01) G01J 5/04 (2006.01)**
[25] FR
[54] **METHOD FOR MANUFACTURING A DETECTION DEVICE COMPRISING A PERIPHERAL WALL MADE OF A MINERAL MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN DISPOSITIF DE DETECTION COMPORTANT UNE PAROI PERIPHERIQUE EN UN MATERIAU MINERAL**
[72] DUMONT, GEOFFROY, FR
[72] YON, JEAN-JACQUES, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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[86] 2021-04-14 (PCT/EP2021/059701)
[87] (WO2021/209518)
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[54] **LIPOSOMAL FORMULATIONS OF BCL INHIBITORS**
[54] **FORMULATIONS DE LIPOSOME D'INHIBITEURS DE BCL**
[72] TARDI, PAUL, CA
[72] WAN, LEON, CA
[72] GARG, SHYAM MADHUSUDAN, CA
[72] GAO, JUN, CA
[72] LEGROS, PHILIPPE, CA
[71] CELATOR PHARMACEUTICALS, INC., US
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[54] **DEVICES AND METHOD FOR BLOOD VESSEL OCCLUSION**
[54] **DISPOSITIFS ET PROCEDE POUR L'OCCLUSION D'UN VAISSEAU SANGUIN**
[72] PAREKH, ASHA, CA
[72] POWER, ADAM, CA
[71] FRONT LINE MEDICAL TECHNOLOGIES INC., CA
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[51] **Int.Cl. B23Q 3/155 (2006.01) C23C 2/00 (2006.01)**
[25] EN
[54] **ROBOT ACTUATED TOOL CHANGER AND METHOD FOR CHANGING A TOOL**
[54] **CHANGEUR D'OUTIL ACTIONNE PAR ROBOT ET PROCEDE DE CHANGEMENT D'UN OUTIL**
[72] SPAANS, JOHAN, NL
[71] TEBULO INDUSTRIAL AUTOMATION B.V., NL
[85] 2022-10-27
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[25] EN
[54] **CLOTHING ITEM ABSORBING STRUCTURE, OPERATING METHOD AND USES THEREOF**
[54] **STRUCTURE ABSORBANTE D'ARTICLES VESTIMENTAIRES, PROCEDE DE FONCTIONNEMENT ET SES UTILISATIONS**
[72] QUEIROGA FIGUEIREDO, ALBERTO, PT
[72] CORREIA DA CRUZ, JULIANA PATRICIA, PT
[71] IMPETUS PORTUGAL TEXTEIS, S.A., PT
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[86] 2021-05-05 (PCT/IB2021/053816)
[87] (WO2021/224832)
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[51] **Int.Cl. A21D 13/38 (2017.01) A21D 13/32 (2017.01) A21D 13/80 (2017.01)**
[25] EN
[54] **PASTRY FILLING FORMULATION AND PROCESS**
[54] **FORMULATION DE GARNITURE DE PATISSERIE ET PROCEDE ASSOCIE**
[72] PATTERSON, CHLOE C., US
[72] HARRIS, MEG, US
[72] DEGNER, BRIAN M., US
[72] SWELEY, JESS C., US
[72] JUNGE, MATTHEW A., US
[71] CONAGRA FOODS RDM, INC., US
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[51] **Int.Cl. B60L 53/14 (2019.01) B60L 53/63 (2019.01) B60L 53/66 (2019.01) H01M 10/44 (2006.01)**
[25] EN
[54] **CHARGING STATION FOR ELECTRIC VEHICLES**
[54] **BORNE DE RECHARGE POUR VEHICULES ELECTRIQUES**
[72] ERNI, CHRISTOPH, CH
[71] JUICE TECHNOLOGY AG, CH
[85] 2022-10-27
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[30] DE (10 2020 113 235.2) 2020-05-15

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[51] **Int.Cl. G01S 17/58 (2006.01) G01P 5/26 (2006.01) G01S 17/95 (2006.01)**
[25] FR
[54] **METHOD FOR DETERMINING WIND SPEED COMPONENTS BY MEANS OF A LASER REMOTE SENSOR**
[54] **PROCEDE DE DETERMINATION DES COMPOSANTES DE LA VITESSE DU VENT AU MOYEN D'UN CAPTEUR DE TELEDETECTION PAR LASER**
[72] CHAUVIN, JONATHAN, FR
[72] GUILLEMIN, FABRICE, FR
[72] GOUSSAULT, ROMAIN, FR
[72] SABIRON, GUILLAUME, FR
[72] BAYON, BENOIT (DECEDE), FR
[71] IFP ENERGIES NOUVELLES, FR
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[86] 2021-05-18 (PCT/EP2021/063082)
[87] (WO2021/249728)
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[51] **Int.Cl. C08G 18/76 (2006.01) C08G 18/48 (2006.01) C08K 5/17 (2006.01) C08K 5/18 (2006.01) C08K 5/24 (2006.01) C08L 75/08 (2006.01)**
[25] EN
[54] **LIQUID FORMULATION COMPRISING AN ALDEHYDE SCAVENGER**
[54] **FORMULATION LIQUIDE COMPRENANT UN DESACTIVEUR D'ALDEHYDE**
[72] BANFI, PAOLO, IT
[72] MARELLI, SANDRA, IT
[72] PULICI, MICHELE, IT
[72] SOTTOCORNOLA, SILVIA, IT
[71] REPI S.R.L., IT
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[86] 2021-05-21 (PCT/EP2021/063706)
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[54] **ACCUMULATOR**
[54] **ACCUMULATEUR**
[72] SCOTT, MAX, AU
[71] UGT GROUP PTY LTD, AU
[85] 2022-10-27
[86] 2021-01-21 (PCT/AU2021/050033)
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[51] **Int.Cl. E02F 3/43 (2006.01) E02F 9/20 (2006.01) E02F 9/22 (2006.01) E21C 27/30 (2006.01) E21C 37/00 (2006.01) G05B 13/02 (2006.01)**
[25] EN
[54] **AUTONOMOUS LOADING OPERATIONS OF A MINING MACHINE**
[54] **OPERATIONS DE CHARGEMENT AUTONOME D'UNE MACHINE D'EXPLOITATION MINIERE**
[72] VERHO, SAMULI, FI
[72] VATANEN, HARRI, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
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[87] (WO2021/224373)
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[25] EN
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[54] **COMPOSITIONS COSMETIQUES STABILISEES CONTENANT DE LA N, N'-DIACETYL-L C YSTINE**
[72] ROSA, JOSE GUILLERMO, US
[72] MOADDEL, TEANOOSH, US
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2022-10-27
[86] 2021-04-14 (PCT/EP2021/059653)
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[25] EN
[54] **SUBSTITUTED BENZOTRIAZINONE METABOLITES OF A GPR139 AGONIST**
[54] **METABOLITES DE BENZOTRIAZINONE SUBSTITUES D'UN AGONISTE GPR139**
[72] KAMEL, AMIN MOHAMED, US
[72] BOWLIN, STEPHEN URIAH, US
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2022-10-27
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[87] (WO2021/224680)
[30] US (63/021,895) 2020-05-08

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[25] EN
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[54] **FORMULATIONS PHARMACEUTIQUES D'ACETATE D'ABIRATERONE ET DE NIRAPARIB**
[72] QUINTEN, THOMAS RONALD A, BE
[72] DELAET, URBAIN ALFONS C, BE
[72] HEYNS, PHILIP ERNA H, BE
[72] MARCOZZI, TATIANA, BE
[72] BERTELS, JOHNY, BE
[72] LUYTEN, KATRIEN, BE
[72] TAMBWEKAR, KAUSTUBH RAMESH, BE
[72] LOPEZ-GITLITZ, ANGELA, US
[72] HARTMAN KOK, PAUL J A, BE
[71] JANSSEN PHARMACEUTICA NV, BE
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[86] 2021-05-07 (PCT/EP2021/062188)
[87] (WO2021/224471)
[30] EP (20173749.1) 2020-05-08
[30] US (63/142,919) 2021-01-28
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[25] EN
[54] **PERSONAL CARE COMPOSITION WITH VISUALLY DISTINCT AQUEOUS AND OIL PHASE**
[54] **COMPOSITION DE SOINS PERSONNELS AVEC PHASE AQUEUSE ET PHASE HUILEUSE VISUELLEMENT DISTINCTES**
[72] LOGANATHAN, CHANDERSEKAR, CN
[72] PAN, YUEYUAN, CN
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2022-10-27
[86] 2021-04-20 (PCT/EP2021/060141)
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[13] A1
[51] **Int.Cl. B60L 7/10 (2006.01) B60L 7/22 (2006.01) B60L 7/24 (2006.01) B60T 1/10 (2006.01) B60T 13/58 (2006.01) B61C 3/02 (2006.01)**
[25] EN
[54] **SUPPLEMENTAL ENERGY GENERATION AND STORAGE FOR TRAINS**
[54] **GENERATION ET STOCKAGE D'ENERGIE SUPPLEMENTAIRE POUR DES TRAINS**
[72] THEN-GAUTIER, JOHNNY, DO
[72] MEDINA THEN, JOHANNE G., US
[71] ECOLUTION KWH, LLC, US
[85] 2022-10-27
[86] 2020-09-03 (PCT/US2020/049251)
[87] (WO2021/230898)
[30] US (63/024,888) 2020-05-14

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[51] **Int.Cl. C07D 239/78 (2006.01)**
[25] EN
[54] **QUINAZOLINE COMPOUNDS AS INHIBITORS OF PREMATURE TERMINATION CODONS**
[54] **COMPOSES DE QUINAZOLINE UTILISES EN TANT QU'INHIBITEURS DE CODONS STOP PREMATURES**
[72] NAMY, OLIVIER, FR
[72] BIDOU, LAURE, FR
[72] BUGAUD, OLIVIER, FR
[72] CINTRAT, JEAN-CHRISTOPHE, FR
[72] MERER, GOULVEN, FR
[72] CHIRKIN, EGOR, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES, FR
[71] UNIVERSITE PARIS-SARCLAY, FR
[71] SARBONNE UNIVERSITE, FR
[71] ASSOCIATION FRANCAISE CONTRE LES MYOPATHIES, FR
[71] ASSOCIATION INSTITUT DE MYOLOGIE, FR
[85] 2022-10-27
[86] 2021-05-12 (PCT/EP2021/062635)
[87] (WO2021/228945)
[30] EP (20305478.8) 2020-05-12

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[51] **Int.Cl. G01N 21/41 (2006.01) G01N 21/64 (2006.01) G01N 21/78 (2006.01) G01N 33/543 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **FLUORESCENCE COUNTING SYSTEM FOR QUANTIFYING VIRUSES OR ANTIBODIES ON AN IMMOBILIZED METAL SUBSTRATE BY USING AN ANTIGEN-ANTIBODY REACTION**
[54] **SYSTEME DE COMPTAGE DE FLUORESCENCE PERMETTANT LA QUANTIFICATION DE VIRUS OU D'ANTICORPS SUR UN SUBSTRAT METALLIQUE IMMOBILISE A L'AIDE D'UNE REACTION ANTIGENE-ANTICORPS**
[72] HASEGAWA, YUKI, JP
[72] HASEGAWA, KATSUYUKI, JP
[71] MYTECH CO.,LTD., JP
[85] 2022-10-27
[86] 2021-04-29 (PCT/JP2021/017121)
[87] (WO2021/221142)
[30] JP (2020-080227) 2020-04-30
[30] JP (2020-086846) 2020-05-18
[30] US (17/096,678) 2020-11-12

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[51] **Int.Cl. A61M 5/178 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **SYRINGE FOR IMPROVED INJECTION AND ASPIRATION**
[54] **SERINGUE PERMETTANT L'INJECTION ET L'ASPIRATION AMELIOREES**
[72] TYRSING, OLIVER, SE
[72] ULLSTEN, OSCAR, SE
[71] GALDERMA HOLDING S.A., CH
[85] 2022-10-27
[86] 2021-04-30 (PCT/IB2021/053601)
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[30] EP (20172257.6) 2020-04-30

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[51] **Int.Cl. G06F 21/62 (2013.01) G06Q 20/10 (2012.01) G06Q 20/22 (2012.01) G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) G06F 21/32 (2013.01)**
[25] EN
[54] **TECHNIQUES TO PROVIDE SENSITIVE INFORMATION OVER A VOICE CONNECTION**
[54] **TECHNIQUES POUR FOURNIR DES INFORMATIONS SENSIBLES SUR UNE CONNEXION VOCALE**
[72] BENKREIRA, ABDELKADER M'HAMED, US
[72] MOSSOBA, MICHAEL, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-10-27
[86] 2021-04-30 (PCT/US2021/030065)
[87] (WO2021/222689)
[30] US (16/863,811) 2020-04-30

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[51] **Int.Cl. C08J 5/18 (2006.01)**
[25] EN
[54] **POLYAMIDE BLENDS FOR POLYMER FILMS**
[54] **MELANGES POLYAMIDES POUR FILMS POLYMERES**
[72] RAY, JACOB G., US
[72] RAMAKRISHNAN, RAMESH, US
[72] HOFFMAN, DOUGLAS CLAIRE, US
[72] PLANETA, ROLAND M., US
[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2022-10-27
[86] 2021-05-04 (PCT/US2021/030546)
[87] (WO2021/226007)
[30] US (63/020,243) 2020-05-05

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[51] **Int.Cl. A24F 40/51 (2020.01) A24F 40/53 (2020.01) A61M 11/04 (2006.01) H01M 10/44 (2006.01)**
[25] EN
[54] **PIEZO SENSOR FOR A POWER SOURCE**
[54] **CAPTEUR PIEZOELECTRIQUE POUR SOURCE D'ALIMENTATION**
[72] HEJAZI, VAHID, US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2022-10-27
[86] 2021-04-28 (PCT/IB2021/053546)
[87] (WO2021/220198)
[30] US (16/862,028) 2020-04-29

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[51] **Int.Cl. C12Q 1/6855 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6876 (2018.01) C12Q 1/6883 (2018.01)**
[25] EN
[54] **PSEUDO-COMPLEMENTARY BASES IN GENOTYPING AND NUCLEIC ACID SEQUENCING**
[54] **BASES PSEUDO-COMPLEMENTAIRES DANS LE GENOTYPAGE ET LE SEQUENCAGE D'ACIDES NUCLEIQUES**
[72] HIGUCHI, RUSSELL, US
[72] WANG, NICOLAS, US
[71] CEPHEID, US
[85] 2022-10-27
[86] 2021-04-27 (PCT/US2021/029448)
[87] (WO2021/222289)
[30] US (63/016,893) 2020-04-28

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[13] A1
[51] **Int.Cl. F24C 3/10 (2006.01) F23Q 7/10 (2006.01) F23Q 7/12 (2006.01)**
[25] EN
[54] **COOKTOP GAS SAFETY VALVE HOLD OPEN CIRCUIT WITH CERAMIC HEATER**
[54] **CIRCUIT OUVERT DE MAINTIEN DE SOUPAPE DE SECURITE POUR GAZ DE TABLE DE CUISSON AVEC ELEMENT CHAUFFANT EN CERAMIQUE**
[72] DOUGHERTY, BRIAN C., US
[72] BOTHE, ERIK, US
[72] SHINDLE, JACK A., US
[72] LIU, YIN, US
[71] SCP R&D LLC, US
[85] 2022-10-27
[86] 2021-06-30 (PCT/US2021/039785)
[87] (WO2022/006213)
[30] US (63/047,088) 2020-07-01

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[13] A1
[51] **Int.Cl. B65D 50/04 (2006.01) A61J 1/03 (2023.01) B65D 50/10 (2006.01)**
[25] EN
[54] **CHILD-RESISTANT CONTAINER**
[54] **RECIPIENT A L'EPREUVE DES ENFANTS**
[72] IORIO, MATTHEW, US
[71] EIGHTY EIGHT PHARMA, INC., US
[71] IORIO, MATTHEW, US
[85] 2022-10-27
[86] 2021-04-28 (PCT/US2021/029617)
[87] (WO2021/222391)
[30] US (63/016,491) 2020-04-28
[30] US (63/080,903) 2020-09-21

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[13] A1
[51] **Int.Cl. H01L 31/028 (2006.01) H01L 33/34 (2010.01) H01L 31/173 (2006.01)**
[25] EN
[54] **SHORT-WAVE INFRARED AND MID-WAVE INFRARED OPTOELECTRONIC DEVICE AND METHODS FOR MANUFACTURING THE SAME**
[54] **DISPOSITIF OPTOELECTRONIQUE INFAROUGE A ONDES COURTES ET INFRAROUGE A ONDES MOYENNES ET PROCEDES POUR SA FABRICATION**
[72] MOUTANABBIR, OUSSAMA, CA
[72] ATALLA, MAHMOUD, CA
[72] ASSALI, SIMONE, CA
[72] ATTIAOUI, ANIS, CA
[71] MOUTANABBIR, OUSSAMA, CA
[71] ATALLA, MAHMOUD, CA
[71] ASSALI, SIMONE, CA
[71] ATTIAOUI, ANIS, CA
[85] 2022-10-27
[86] 2021-04-27 (PCT/CA2021/050579)
[87] (3177142)
[30] US (63/015,766) 2020-04-27

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[13] A1
[51] **Int.Cl. C12P 19/24 (2006.01) C12P 19/02 (2006.01)**
[25] EN
[54] **ENZYMATIC PRODUCTION OF ALLULOSE**
[54] **PRODUCTION ENZYMATIQUE D'ALLULOSE**
[72] WICHELECKI, DANIEL JOSEPH, US
[71] BONUMOSE, INC., US
[85] 2022-10-27
[86] 2021-05-18 (PCT/US2021/032952)
[87] (WO2021/236632)
[30] US (63/026,294) 2020-05-18

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[13] A1
[51] **Int.Cl. C12M 3/00 (2006.01) C12M 1/00 (2006.01) C12M 1/36 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CENTRALIZED FLUID MANAGEMENT AND CULTURE CONTROL**
[54] **SYSTEME ET PROCEDE DE GESTION CENTRALISEE DES FLUIDES ET DE REGULATION DE CULTURE**
[72] ANDREWS, RICHARD E., US
[72] CANNAN, DAVID D. B., US
[72] AKKAPEDDI, ALEKHYA, US
[72] REMEC, ANDREW, US
[72] FINSETH, BRYAN A., US
[72] KIM, KEVIN, US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2022-10-27
[86] 2021-04-28 (PCT/US2021/029706)
[87] (WO2021/222447)
[30] US (63/019,260) 2020-05-01

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[13] A1
[51] **Int.Cl. B21D 9/03 (2006.01)**
[25] EN
[54] **MANDREL FOR PIPE BENDING MACHINE**
[54] **MANDRIN POUR CINTREUSE DE TUYAUX**
[72] CAPORUSSO, ALESSANDRO, IT
[72] D'AGOSTINO, WERNER DAVIDE, IT
[72] SACCO, PAOLO, IT
[71] CML INTERNATIONAL S.P.A., IT
[85] 2022-10-27
[86] 2021-04-29 (PCT/IB2021/053564)
[87] (WO2021/224731)
[30] IT (102020000009961) 2020-05-05

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[13] A1
[51] **Int.Cl. A61F 13/02 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **A NEGATIVE PRESSURE WOUND THERAPY (NPWT) DRESSING**
[54] **PANSEMENT POUR LA THERAPIE DES PLAIES PAR PRESSION NEGATIVE (TPN)**
[72] SVENSSON, MALIN, SE
[72] SKEPPSTEDT, VIKTORIA, SE
[72] HOLMEN, MALIN, SE
[72] BOLYOS, ELINOR, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2022-10-27
[86] 2021-05-24 (PCT/EP2021/063748)
[87] (WO2021/239653)
[30] EP (20176277.0) 2020-05-25

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[13] A1
[51] **Int.Cl. C08G 69/26 (2006.01) C08G 69/08 (2006.01) C08K 3/04 (2006.01) C08K 3/40 (2006.01)**
[25] EN
[54] **POLYAMIDE FORMULATIONS FOR IMPROVED NOISE VIBRATION AND HARSHNESS**
[54] **FORMULATIONS DE POLYAMIDE POUR UNE OPTIMISATION VIBRO-ACOUSTIQUE (NVH)**
[72] SPARKS, BRADLEY J., US
[72] RAY, JACOB G., US
[72] WIECZOREK, TED, US
[72] BECKER, KAI, US
[72] LIMA, AVELINO, US
[72] OWEIMREEN, TARIQ, US
[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2022-10-27
[86] 2021-05-12 (PCT/US2021/032019)
[87] (WO2021/231590)
[30] US (63/045,009) 2020-06-26
[30] US (63/119,201) 2020-11-30
[30] US (63/024,872) 2020-05-14

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[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) C40B 40/10 (2006.01)**
[25] EN
[54] **RECOMBINANT POLYCLONAL PROTEINS TARGETING COVID-19 AND METHODS OF USE THEREOF**
[54] **PROTEINES POLYCLONALES RECOMBINEES CIBLANT LA COVID-19 ET LEURS METHODES D'UTILISATION**
[72] JOHNSON, DAVID SCOTT, US
[72] KEATING, SHEILA, US
[72] ADLER, ADAM SHULTZ, US
[72] ASENSIO, MICHAEL, US
[72] STADTMILLER, KACY, US
[72] BENZIE, EMILY, US
[72] NIEDECKEN, ARIEL, US
[72] MEDINA-CUCURELLA, ANGELICA V., US
[72] MIZRAHI, RENA AVIVA, US
[72] LIM, YOONG WEARN, US
[71] GIGAGEN, INC., US
[85] 2022-10-27
[86] 2021-06-14 (PCT/US2021/037232)
[87] (WO2021/253002)
[30] US (63/038,470) 2020-06-12
[30] US (63/061,721) 2020-08-05

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[13] A1
[51] **Int.Cl. A42B 1/008 (2021.01)**
[25] EN
[54] **HEADWEAR WITH TEMPERATURE CONTROL APPARATUS**
[54] **COUVRE-CHEF DOTE D'UN APPAREIL DE REGULATION DE TEMPERATURE**
[72] BOWMAN, PETER, US
[71] BOWMAN, PETER, US
[85] 2022-10-27
[86] 2021-04-27 (PCT/US2021/029461)
[87] (WO2021/222299)
[30] US (63/017,476) 2020-04-29
[30] US (17/143,050) 2021-01-06

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[13] A1
[51] **Int.Cl. A61K 38/10 (2006.01) A61K 38/16 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PEPTIDES CONTAINING A PCNA INTERACTING MOTIF FOR USE IN THE TREATMENT OF SOLID CANCER**
[54] **PEPTIDES CONTENANT UN MOTIF D'INTERACTION PCNA DESTINES A ETRE UTILISE DANS LE TRAITEMENT DU CANCER SOLIDE**
[72] ALEVIZOPOULOS, KONSTANTINOS, CH
[72] OTTERLEI, MARIT, NO
[71] THERAPIM PTY LTD, AU
[85] 2022-10-27
[86] 2021-04-27 (PCT/EP2021/060992)
[87] (WO2021/224068)
[30] GB (2006699.9) 2020-05-06

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[13] A1
[51] **Int.Cl. A61K 31/496 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ASSESSING FIBROTIC DISEASE WITH DEEP LEARNING**
[54] **METHODES ET SYSTEMES POUR EVALUER UNE MALADIE FIBROTIQUE AU MOYEN D'UN APPRENTISSAGE PROFOND**
[72] MCGOVERN, DERMOT P., US
[72] LI, DALIN, US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2022-10-27
[86] 2021-04-29 (PCT/US2021/029962)
[87] (WO2021/222618)
[30] US (63/018,377) 2020-04-30

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[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **ANTIBODIES AGAINST SARS-COV-2**
[54] **ANTICORPS CONTRE SARS-COV-2**
[72] CORTI, DAVIDE, CH
[72] PIZZUTO, MATTEO SAMUELE, CH
[72] PINTO, DORA, CH
[72] BELTRAMELLO, MARTINA, CH
[72] DE MARCO, ANNA, CH
[72] CAMERONI, ELISABETTA, CH
[72] SNELL, GYORGY, US
[72] CZUDNOCHOWSKI, NADINE, US
[72] HAVENAR-DAUGHTON, COLIN, US
[72] LEMPP, FLORIAN A., US
[72] TELENTI, AMALIO, US
[72] ZATTA, FABRIZIA, CH
[71] VIR BIOTECHNOLOGY, INC., US
[85] 2022-10-27
[86] 2021-05-07 (PCT/US2021/031442)
[87] (WO2021/226560)
[30] US (63/022,392) 2020-05-08
[30] US (63/024,372) 2020-05-13
[30] US (63/027,814) 2020-05-20
[30] US (63/029,338) 2020-05-22
[30] US (63/031,286) 2020-05-28
[30] US (63/033,045) 2020-06-01
[30] US (63/036,683) 2020-06-09
[30] US (63/039,939) 2020-06-16
[30] US (63/046,465) 2020-06-30
[30] US (63/057,767) 2020-07-28
[30] US (63/090,667) 2020-10-12
[30] US (63/113,450) 2020-11-13
[30] US (63/153,784) 2021-02-25
[30] US (63/170,368) 2021-04-02

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[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01) G16B 25/00 (2019.01)**
[25] EN
[54] **DETERMINING MORTALITY RISK OF SUBJECTS WITH VIRAL INFECTIONS**
[54] **DETERMINATION DU RISQUE DE MORTALITE DE SUJETS ATTEINTS D'INFECTIONS VIRALES**
[72] SWEENEY, TIMOTHY, US
[72] BUTUROVIC, LJUBOMIR, US
[72] MIDIC, UROS, US
[72] HE, YUDONG, US
[71] INFLAMMATIX, INC., US
[85] 2022-10-27
[86] 2021-04-29 (PCT/US2021/029847)
[87] (WO2021/222537)
[30] US (63/017,570) 2020-04-29

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[13] A1
[51] **Int.Cl. G06T 7/73 (2017.01)**
[25] EN
[54] **MARKERLESS NAVIGATION USING AI COMPUTER VISION**
[54] **NAVIGATION SANS MARQUEUR A L'AIDE D'UNE VISION ARTIFICIELLE PAR AI**
[72] HARTE, THOMAS, GB
[72] PHAN, HUY QUOC, GB
[71] FUTURE HEALTH WORKS LTD., GB
[85] 2022-10-27
[86] 2021-04-28 (PCT/IB2021/000329)
[87] (WO2021/220060)
[30] US (63/017,447) 2020-04-29
[30] US (63/074,338) 2020-09-03

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[13] A1
[51] **Int.Cl. A61K 8/03 (2006.01) A61K 8/42 (2006.01) A61K 8/60 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **PERSONAL CARE COMPOSITION WITH VISUALLY DISTINCT AQUEOUS AND OIL PHASE**
[54] **COMPOSITION DE SOINS PERSONNELS A PHASES AQUEUSE ET HUILEUSE VISUELLEMENT DISTINCTES**
[72] LOGANATHAN, CHANDERSEKAR, CN
[72] PAN, YUEYUAN, CN
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2022-10-28
[86] 2021-04-20 (PCT/EP2021/060140)
[87] (WO2021/228502)
[30] CN (PCT/CN2020/089330) 2020-05-09
[30] EP (20180677.5) 2020-06-18

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[13] A1
[51] **Int.Cl. A61B 90/90 (2016.01) A61B 90/98 (2016.01)**
[25] EN
[54] **DEVICE, SYSTEM, AND METHOD FOR DETECTION OF MEDICAL DEVICE COMPONENTS AND/OR MATING THEREOF**
[54] **DISPOSITIF, SYSTEME ET METHODE POUR LA DETECTION DE COMPOSANTS DE DISPOSITIF MEDICAL ET/OU L'ACCOUPLEMENT DE CEUX-CI**
[72] TITUS, NOEL, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-10-28
[86] 2021-05-06 (PCT/US2021/031031)
[87] (WO2021/226309)
[30] US (63/021,496) 2020-05-07

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[13] A1
[51] **Int.Cl. B01J 23/76 (2006.01) C25B 11/091 (2021.01)**
[25] EN
[54] **AN ANION EXCHANGE MEMBRANE ELECTROLYZER HAVING A PLATINUM-GROUP-METAL FREE SELF-SUPPORTED OXYGEN EVOLUTION ELECTRODE**
[54] **ELECTROLYSEUR A MEMBRANE ECHANGEUSE D'ANIONS AYANT UNE ELECTRODE D'EVOLUTION D'OXYGENE AUTO-SUPPORTEE EXEMPTE DE METAL DU GROUPE DU PLATINE**
[72] YAN, YUSHAN, US
[72] XIAO, JUNWU, US
[72] OLIVERIA, ALEXANDRA, US
[72] WANG, LAN, US
[72] ZHAO, YUN, US
[72] WANG, TENG, US
[72] WANG, JUNHUA, US
[72] SETZLER, BRIAN, US
[71] UNIVERSITY OF DELAWARE, US
[85] 2022-10-28
[86] 2021-05-04 (PCT/US2021/030696)
[87] (WO2021/226119)
[30] US (63/019,968) 2020-05-04

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[13] A1
[51] **Int.Cl. A23L 33/10 (2016.01) A23L 33/15 (2016.01) A23L 33/16 (2016.01) A23L 33/17 (2016.01) A23L 33/175 (2016.01)**
[25] EN
[54] **A NUTRITIONAL PRODUCT CONTAINING A BUFFER COMPOSITION AND AN AMINO ACID AND METHODS OF USING SUCH A NUTRITIONAL PRODUCT**
[54] **PRODUIT NUTRITIONNEL CONTENANT UNE COMPOSITION TAMPON ET UN ACIDE AMINE ET PROCEDES D'UTILISATION D'UN TEL PRODUIT NUTRITIONNEL**
[72] UFHEIL, GERHARD, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-10-28
[86] 2021-04-27 (PCT/EP2021/060974)
[87] (WO2021/219631)
[30] US (63/017,303) 2020-04-29

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[13] A1
[51] **Int.Cl. C10G 2/00 (2006.01) C10G 47/00 (2006.01) C10J 3/46 (2006.01)**
[25] EN
[54] **FEEDSTOCK PROCESSING SYSTEMS AND METHODS FOR PRODUCING FISCHER-TROPSCH LIQUIDS AND TRANSPORTATION FUELS**
[54] **SYSTEMES DE TRAITEMENT DE CHARGE D'ALIMENTATION ET PROCEDES DE PRODUCTION DE LIQUIDES DE FISCHER-TROPSCH ET DE COMBUSTIBLES DE TRANSPORT**
[72] TIVERIOS, PETER G., US
[72] MACIAS, JAMES E., US
[72] LUCAS, STEPHEN H., US
[72] RICH, LEWIS L., US
[72] THOMSON, GREGOR A., US
[71] FULCRUM BIOENERGY, INC., US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030287)
[87] (WO2021/222823)
[30] US (16/864,124) 2020-04-30

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[51] **Int.Cl. C21D 9/56 (2006.01) F27D 99/00 (2010.01) F23D 14/02 (2006.01)**
[25] EN
[54] **DIRECT FLAME BURNER UNIT FOR FURNACES FOR THE THERMO-CHEMICAL TREATMENT OF STEEL STRIPS IN CONTINUOUS HOT-DIP GALVANIZING PLANTS**
[54] **UNITE DE BRULEUR A FLAMME DIRECTE POUR FOURS POUR LE TRAITEMENT THERMOCHIMIQUE DE BANDES D'ACIER DANS DES INSTALLATIONS DE GALVANISATION A CHAUD EN CONTINU**
[72] ASTESIANO, DAVIDE, IT
[72] LEONCINI, CLAUDIO, IT
[71] TENOVA S.P.A., IT
[85] 2022-10-28
[86] 2021-06-04 (PCT/IB2021/054896)
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[54] **IMPROVEMENTS IN ULTRASOUND-MEDIATED THERAPY**
[54] **AMELIORATIONS APPORTEES A UNE THERAPIE A MEDIATION PAR ULTRASONS**
[72] JEANNOT, VICTOR, CH
[72] CACQUEVEL-BIHEL, EBELINE, CH
[71] BRACCO SUISSE SA, CH
[85] 2022-10-28
[86] 2021-06-15 (PCT/EP2021/066114)
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[30] EP (20180060.4) 2020-06-15

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[51] **Int.Cl. C12N 9/10 (2006.01) C12N 9/90 (2006.01) C12N 9/92 (2006.01) C12P 7/06 (2006.01) C12P 17/10 (2006.01)**
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[54] **ENGINEERED MICROORGANISM FOR IMPROVED PENTOSE FERMENTATION**
[54] **MICRO-ORGANISME MODIFIE POUR UNE FERMENTATION DE PENTOSE AMELIOREE**
[72] TASSONE, MONICA, US
[72] ALLAIN, ERIC, US
[71] NOVOZYMES A/S, DK
[85] 2022-10-28
[86] 2021-05-12 (PCT/US2021/032057)
[87] (WO2021/231623)
[30] US (63/024,036) 2020-05-13
[30] US (63/049,810) 2020-07-09

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[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/34 (2006.01) A61F 2/82 (2013.01)**
[25] EN
[54] **ANCHOR AND ANCHORING DEVICE**
[54] **ANCRE ET DISPOSITIF D'ANCRAGE**
[72] WANG, ZHEN, CN
[72] CUI, YUJIA, CN
[72] FU, JIAWEI, CN
[72] HU, JUNFENG, CN
[71] MICROPORT UROCARE (JIAXING) CO., LTD., CN
[85] 2022-10-28
[86] 2021-01-11 (PCT/CN2021/071067)
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[30] CN (202010230037.9) 2020-03-27

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[13] A1
[51] **Int.Cl. G01N 21/78 (2006.01)**
[25] EN
[54] **METHOD OF EVALUATING THE QUALITY OF A COLOR REFERENCE CARD**
[54] **PROCEDE D'EVALUATION DE LA QUALITE D'UNE CARTE DE REFERENCE DE COULEUR**
[72] BERG, MAX, DE
[72] HAILER, FREDRIK, DE
[72] LIMBURG, BERND, DE
[72] TUERCK, VOLKER, DE
[72] WINKELNKEMPER, MOMME, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-10-28
[86] 2021-05-09 (PCT/EP2021/062244)
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[30] EP (20173917.4) 2020-05-11

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[51] **Int.Cl. E21B 4/14 (2006.01)**
[25] EN
[54] **SPLINE LUBRICATION FOR DTH HAMMERS**
[54] **LUBRIFICATION PAR CANNELURE POUR MARTEAUX DE FOND DE TROU**
[72] MAKI, JORMA, FI
[72] BRUANDET, OLIVIER, FI
[71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2022-10-28
[86] 2021-05-19 (PCT/EP2021/063275)
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[30] EP (20175331.6) 2020-05-19

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[51] **Int.Cl. B05D 5/06 (2006.01) B05D 7/00 (2006.01)**
[25] EN
[54] **COATING SYSTEMS WITH INCREASED JETNESS OF BLACK AND IMPROVED COLOR**
[54] **SYSTEMES DE REVETEMENT PRESENTANT UNE PROFONDEUR DE NOIR ACCRUE ET UNE COULEUR AMELIOREE**
[72] FERRIS, DANIEL PATRICK, US
[72] GARCIA, ROSALVA CASTREJON, US
[72] CAMPBELL, DONALD H., US
[71] BASF COATINGS GMBH, DE
[85] 2022-10-28
[86] 2021-05-04 (PCT/EP2021/061684)
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[30] EP (20172676.7) 2020-05-04

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[51] **Int.Cl. E21B 10/04 (2006.01) E21B 25/10 (2006.01)**
[25] EN
[54] **A CORE DRILLING APPARATUS AND METHOD FOR CONVERTING BETWEEN A CORE DRILLING ASSEMBLY AND A FULL-DIAMETER DRILLING ASSEMBLY**
[54] **APPAREIL DE CAROTTAGE ET PROCEDE DE CONVERSION ENTRE UN ENSEMBLE DE CAROTTAGE ET UN ENSEMBLE DE FORAGE A DIAMETRE COMPLET**
[72] BERGER, PER ERIK, NO
[72] BERLE, ALF ERIK, NO
[72] MATZEL, ARNE, DE
[71] COREALL AS, NO
[85] 2022-10-28
[86] 2021-04-12 (PCT/EP2021/059462)
[87] (WO2021/219359)
[30] US (16/861,254) 2020-04-29

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[13] A1
[51] **Int.Cl. B64D 1/18 (2006.01)**
[25] EN
[54] **ELECTROSTATIC QUADCOPTER SANITATION DEVICE AND DELIVERY SYSTEM**
[54] **DISPOSITIF DE DESINFECTION QUADRIROTOR ELECTROSTATIQUE ET SYSTEME DE DISTRIBUTION**
[72] MELANSON, JUSTIN, US
[71] AERAS, LLC, US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030156)
[87] (WO2021/222741)
[30] US (63/018,705) 2020-05-01

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[51] **Int.Cl. A61K 31/485 (2006.01) A61K 45/06 (2006.01) A61P 1/10 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF REDUCING MORTALITY RISK IN SUBJECTS SUFFERING FROM AN UNDERLYING DISEASE OR CONDITION BY ADMINISTRATION OF METHYLNALTREXONE**
[54] **PROCEDES DE REDUCTION DU RISQUE DE MORTALITE CHEZ DES SUJETS SOUFFRANT D'UNE MALADIE OU D'UNE AFFECTION SOUS-JACENTE PAR ADMINISTRATION DE METHYLNALTREXONE**
[72] SLATKIN, NEAL, US
[71] BAUSCH HEALTH IRELAND LIMITED, IE
[85] 2022-10-28
[86] 2021-04-30 (PCT/EP2021/061453)
[87] (WO2021/224138)
[30] US (63/019,301) 2020-05-02
[30] US (63/113,062) 2020-11-12

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/167 (2006.01) A61K 38/44 (2006.01) A61K 47/02 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **SUPEROXIDE DISMUTASE COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS DE SUPEROXYDE DISMUTASE ET METHODES**
[72] PURSER, DANNY C., US
[72] PITCHER, STEPHEN N., US
[71] BLUE SKY INNOVATION, LLC, US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030355)
[87] (WO2021/222870)
[30] US (63/018,488) 2020-04-30

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[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4745 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **HETEROCYCLE AND GLUTARIMIDE SKELETON-BASED COMPOUNDS AND APPLICATIONS THEREOF**
[54] **COMPOSE HETEROCYCLIQUE BASE SUR UN SQUELETTE DE GLUTARIMIDE ET SES UTILISATIONS**
[72] YANG, XIAOBAO, CN
[72] JIANG, BIAO, CN
[72] LIU, LINYI, CN
[72] REN, CHAOWEI, CN
[72] QIU, XING, CN
[72] LIU, HAIXIA, CN
[72] SUN, NING, CN
[72] SUN, RENHONG, CN
[71] SHANGHAITECH UNIVERSITY, CN
[85] 2022-10-28
[86] 2021-04-29 (PCT/CN2021/090964)
[87] (WO2021/219078)
[30] CN (202010366530.3) 2020-04-30

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[51] **Int.Cl. C09D 11/107 (2014.01) C09D 11/037 (2014.01) C09D 11/101 (2014.01) C08F 290/06 (2006.01) C08G 73/02 (2006.01) C09D 11/30 (2014.01) C08F 222/10 (2006.01)**
[25] EN
[54] **POLYMERIC AMINO (METH)ACRYLATE**
[54] **AMINO(METH)ACRYLATE POLYMERE**
[72] CAPPELLE, STEVEN, BE
[72] DE WAELE, LUC, BE
[71] ALLNEX BELGIUM, S.A., BE
[85] 2022-10-28
[86] 2021-06-15 (PCT/EP2021/066073)
[87] (WO2021/259701)
[30] EP (20181391.2) 2020-06-22

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[13] A1
[51] **Int.Cl. A01K 61/13 (2017.01)**
[25] EN
[54] **APPARATUS FOR CAPTATION OF PELAGIC CRUSTACEAN LARVAE AND A SYSTEM COMPRISING THE APPARATUS**
[54] **APPAREIL DE CAPTATION DE LARVES DE CRUSTACES PELAGIQUES ET SYSTEME COMPRENANT L'APPAREIL**
[72] OLSEN, KAROLINE SJODAL, NO
[72] OPSTAD, LARS-KRISTIAN, NO
[72] LOKKE, GRY MERETE, NO
[71] BLUE LICE AS, NO
[85] 2022-10-28
[86] 2021-04-28 (PCT/NO2021/050108)
[87] (WO2021/221516)
[30] NO (20200515) 2020-04-30

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[13] A1
[51] **Int.Cl. D21D 1/30 (2006.01)**
[25] EN
[54] **BLADE ELEMENT FOR REFINER**
[54] **ELEMENT DE LAME POUR RAFFINEUR**
[72] LOIJAS, MARKO, FI
[72] RUOLA, VILLE, FI
[71] VALMET TECHNOLOGIES OY, FI
[85] 2022-10-28
[86] 2021-05-12 (PCT/FI2021/050354)
[87] (WO2021/229153)
[30] FI (20205482) 2020-05-14

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[13] A1
[51] **Int.Cl. C07D 417/14 (2006.01) C07D 215/02 (2006.01) C07D 215/12 (2006.01) C07D 239/72 (2006.01) C07D 277/62 (2006.01)**
[25] EN
[54] **BENZOTHIAZOLYL BIARYL COMPOUND, AND PREPARATION METHOD AND USE**
[54] **COMPOSE DE BENZOTHIAZOLYLE BIARYLE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] WAN, HUIXIN, CN
[72] ZHA, CHUANTAO, CN
[72] MA, JINGUI, CN
[72] SHEN, JINGKANG, CN
[71] SHANGHAI RINGENE BIOPHARMA CO., LTD., CN
[71] SHANGHAI RINGENE THERAPEUTICS CO. LTD, CN
[85] 2022-10-28
[86] 2020-11-10 (PCT/CN2020/127861)
[87] (WO2021/218110)
[30] CN (202010358615.7) 2020-04-29

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR PREVENTION AND TREATMENT OF POST-INTENSIVE CARE COGNITIVE DYSFUNCTION AND COGNITIVE DYSFUNCTION RESULTING FROM RESPIRATORY DISTRESS**
[54] **COMPOSES POUR LA PREVENTION ET LE TRAITEMENT D'UN DYSFONCTIONNEMENT COGNITIF DE SOINS POST-INTENSIFS ET D'UN DYSFONCTIONNEMENT COGNITIF RESULTANT D'UNE DETRESSE RESPIRATOIRE**
[72] VILLAFRANCA, JESUS E., US
[72] KISSINGER, CHARLES RICHARD, US
[71] ABREXA PHARMACEUTICALS, INC., US
[85] 2022-10-28
[86] 2021-04-28 (PCT/US2021/029689)
[87] (WO2021/222438)
[30] US (63/016,724) 2020-04-28

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[13] A1
[51] **Int.Cl. G02B 1/04 (2006.01) G03F 7/00 (2006.01) H01B 1/20 (2006.01)**
[25] EN
[54] **MICROFLUIDIC PRESSURE IN PAPER (UPIP) FOR ULTRA LOW-COST PRECISION MICRO TOTAL ANALYSIS SYSTEMS**
[54] **PRESSION MICROFLUIDIQUE DANS DU PAPIER (UPIP) POUR DES SYSTEMES D'ANALYSE MICRO-TOTALE DE PRECISION A ULTRA FAIBLE COUT**
[72] GAGNON, ZACHARY RICHARD, US
[72] ISLAM, NAZIBUL, US
[71] THE TEXAS A&M UNIVERSITY SYSTEM, US
[85] 2022-10-28
[86] 2021-04-28 (PCT/US2021/029556)
[87] (WO2021/222352)
[30] US (63/016,676) 2020-04-28

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[51] **Int.Cl. G06Q 20/06 (2012.01) G06Q 20/02 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **CRYPTOCURRENCY PAYMENT SYSTEM**
[54] **SYSTEME DE PAIEMENT EN CRYPTOMONNAIE**
[72] SPALDING, TYLER ROBERT, US
[72] FILTER, TREVOR, US
[72] KILGORE, ZACHARY, US
[72] MCGREGOR, DAVID S., US
[72] PICK, CHRISTOPHER M., US
[71] FLEXA NETWORK INC., US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030250)
[87] (WO2021/225898)
[30] US (16/867,764) 2020-05-06

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[13] A1
[51] **Int.Cl. A23L 7/183 (2016.01) A23L 5/10 (2016.01) A23L 5/30 (2016.01) A23L 7/191 (2016.01) A23P 30/38 (2016.01)**
[25] EN
[54] **LIQUID OIL-BASED FAT SYSTEM COMPOSITION FOR MICROWAVE POPCORN**
[54] **COMPOSITION DE SYSTEME DE MATIERES GRASSES A BASE D'HUILE LIQUIDE POUR MAIS A ECLATER AU FOUR A MICRO-ONDES**
[72] KAISER, STEVEN, US
[72] SINGH, INDARPAL, US
[72] WASSINGER, ANDREW, US
[71] CONAGRA FOODS RDM, INC., US
[85] 2022-10-28
[86] 2021-05-05 (PCT/US2021/030791)
[87] (WO2021/226176)
[30] US (63/020,100) 2020-05-05
[30] US (17/308,214) 2021-05-05

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[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A61P 1/16 (2006.01) C07K 14/005 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **MODIFIED ADENO-ASSOCIATED VIRUS 5 CAPSIDS AND USES THEREOF**
[54] **CAPSIDES DE VIRUS ADENO-ASSOCIE 5 MODIFIEES ET LEURS UTILISATIONS**
[72] XIAO, XIAO, US
[72] QIAN, RANDOLPH, US
[72] LI, JUAN, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2022-10-28
[86] 2021-05-04 (PCT/US2021/030547)
[87] (WO2021/226008)
[30] US (63/020,139) 2020-05-05

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[13] A1
[51] **Int.Cl. C12Q 1/6851 (2018.01)**
[25] EN
[54] **COMPARING COPIES OF POLYNUCLEOTIDES WITH DIFFERENT FEATURES**
[54] **COMPARAISON DE COPIES DE POLYNUCLEOTIDES AUX CARACTERISTIQUES DIFFERENTES**
[72] YOU, HUIHONG, US
[72] TAN, YERPENG, US
[71] ILLUMINA, INC., US
[85] 2022-10-28
[86] 2021-05-24 (PCT/US2021/033834)
[87] (WO2021/242668)
[30] US (63/031,230) 2020-05-28

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[13] A1
[51] **Int.Cl. C07D 498/04 (2006.01) A01N 43/80 (2006.01) C07D 261/20 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **CONDENSED ISOXAZOLINE DERIVATIVES AND THEIR USE AS HERBICIDES**
[54] **DERIVES D'ISOXAZOLINE CONDENSES ET LEUR UTILISATION COMME HERBICIDES**
[72] ZIMMERMANN, GUNTHER, DE
[72] KORDES, MARKUS, DE
[72] KRAEMER, GERD, DE
[72] SEISER, TOBIAS, DE
[72] SEITZ, THOMAS, DE
[72] ANDERS, ULRIKE, DE
[72] ALLEGRETTA, GIUSEPPE, DE
[72] LERCHL, JENS, DE
[71] BASF SE, DE
[85] 2022-10-28
[86] 2021-04-26 (PCT/EP2021/060787)
[87] (WO2021/224040)
[30] EP (20172950.6) 2020-05-05

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[13] A1
[51] **Int.Cl. A24F 40/80 (2020.01) A24F 40/42 (2020.01)**
[25] EN
[54] **AEROSOL MATTER COLLECTION DEVICE**
[54] **DISPOSITIF DE COLLECTE DE MATIERE AEROSOL**
[72] DUROT, NATHALIE, LU
[72] ROUILLARD, STEPHANE, LU
[72] BINARD, FRANCK, LU
[71] SWM LUXEMBOURG, LU
[85] 2022-10-28
[86] 2021-05-14 (PCT/IB2021/054165)
[87] (WO2021/229536)
[30] US (63/025,620) 2020-05-15

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[13] A1
[51] **Int.Cl. A24D 1/00 (2020.01) A24D 3/14 (2006.01) A61J 3/07 (2006.01)**
[25] EN
[54] **TWO PART ROTARY DIE ENCAPSULATION SYSTEM AND PROCESS FOR MANUFACTURING CAPSULES**
[54] **SYSTEME D'ENCAPSULATION A MATRICE ROTATIVE EN DEUX PARTIES ET PROCEDE DE FABRICATION DE CAPSULES**
[72] FULPER, LESTER DAVID, US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030053)
[87] (WO2021/222681)
[30] US (63/018,804) 2020-05-01

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[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 45/00 (2006.01) A61K 45/06 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **METHODS OF USE OF T-TYPE CALCIUM CHANNEL MODULATORS**
[54] **METHODES D'UTILISATION DE MODULATEURS DE CANAUX CALCIQUES DE TYPE T**
[72] REDDY, KIRAN, US
[72] BELFORT, GABRIEL, US
[72] RAVINA, BERNARD, US
[72] WITTMANN, MARION, US
[71] PRAXIS PRECISION MEDICINES, INC., US
[85] 2022-10-28
[86] 2021-04-28 (PCT/US2021/029539)
[87] (WO2021/222342)
[30] US (63/017,140) 2020-04-29
[30] US (63/050,410) 2020-07-10
[30] US (63/082,946) 2020-09-24

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) G01N 21/64 (2006.01) G01N 21/76 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **APPARATUS WITH A SENSOR HAVING AN ACTIVE SURFACE**
[54] **APPAREIL DOTE D'UN CAPTEUR AYANT UNE SURFACE ACTIVE**
[72] COX-MURANAMI, WESLEY, US
[72] PANCHAPAKESAN, RAJAGOPAL, US
[72] RIVAL, ARNAUD, US
[71] ILLUMINA, INC., US
[85] 2022-10-28
[86] 2021-05-24 (PCT/US2021/033882)
[87] (WO2021/247266)
[30] US (62/704,963) 2020-06-04

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[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) G06Q 30/0241 (2023.01)**
[25] EN
[54] **DECENTRALIZED PRIVACY-PRESERVING REWARDS WITH CRYPTOGRAPHIC BLACK BOX ACCUMULATORS**
[54] **RECOMPENSES DECENTRALISEES PRESERVANT LA CONFIDENTIALITE A L'AIDE D'ACCUMULATEURS DE BOITES NOIRES CRYPTOGRAPHIQUES**
[72] PESTANA, GONCALO, GB
[72] LIVSHITS, BENJAMIN, GB
[71] BRAVE SOFTWARE, INC., US
[85] 2022-10-28
[86] 2021-04-29 (PCT/US2021/030022)
[87] (WO2021/222669)
[30] US (63/017,604) 2020-04-29

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[13] A1
[51] **Int.Cl. H01M 4/131 (2010.01) H01M 4/1391 (2010.01) H01M 4/62 (2006.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01)**
[25] EN
[54] **ELECTRODE ACTIVE MATERIALS AND PROCESSES TO MAKE THEM**
[54] **MATERIAUX ACTIFS D'ELECTRODE ET LEURS PROCEDES DE FABRICATION**
[72] BIANCHINI, MATTEO, DE
[72] HARTMANN, PASCAL, DE
[72] BREZESINSKI, TORSTEN, DE
[72] SCHWEIDLER, SIMON, DE
[71] BASF SE, DE
[71] KARLSRUHER INSTITUT FUER TECHNOLOGIE, DE
[85] 2022-10-28
[86] 2021-04-28 (PCT/EP2021/061173)
[87] (WO2021/224092)
[30] EP (20173224.5) 2020-05-06

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[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/54 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **THERMOSTABLE TERMINAL DEOXYNUCLEOTIDYL TRANSFERASE**
[54] **DESOXYNUCLEOTIDYL TRANSFERASE TERMINALE THERMOSTABLE**
[72] NIRANTAR, SAURABH RAJENDRA, US
[72] CHUA, JASMINE PUAY SUSAN, SG
[72] PEISAJOVICH, SERGIO, US
[72] YEW, WEN SHAN, SG
[72] GO, MAYBELLE DARLENE KHO, SG
[71] ILLUMINA INC., US
[71] ILLUMINA SINGAPORE PTE. LTD., SG
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
[85] 2022-10-28
[86] 2021-05-11 (PCT/US2021/031852)
[87] (WO2021/231483)
[30] US (63/023,734) 2020-05-12

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[13] A1
[51] **Int.Cl. H04W 74/00 (2009.01) H04W 74/08 (2009.01)**
[25] EN
[54] **ACCESS METHOD AND APPARATUS, AND COMMUNICATIONS SYSTEM**
[54] **PROCEDE ET DISPOSITIF D'ACCES ALEATOIRE, ET SYSTEME DE COMMUNICATION**
[72] LIU, HANG, CN
[72] WANG, JIAN, CN
[72] CHENG, XINGQING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-10-28
[86] 2020-04-29 (PCT/CN2020/087894)
[87] (WO2021/217524)

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[13] A1
[51] **Int.Cl. C09K 5/20 (2006.01) A62C 35/60 (2006.01) A62C 37/11 (2006.01)**
[25] EN
[54] **IMPROVED ANTIFREEZE FOR FIRE SPRINKLER SYSTEMS**
[54] **ANTIGEL AMELIORE POUR SYSTEMES GICLEURS D'INCENDIE**
[72] CUTTING, SEAN E., US
[72] SILVA, MANUEL R. JR., US
[72] CHURCHILL, BARBARA L., US
[72] BROUWER, KRISTA N., US
[71] TYCO FIRE PRODUCTS LP, US
[85] 2022-10-28
[86] 2021-05-14 (PCT/IB2021/054160)
[87] (WO2021/234524)
[30] US (63/027,085) 2020-05-19

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[13] A1
[51] **Int.Cl. B65B 3/04 (2006.01) G06Q 50/04 (2012.01) B65B 57/02 (2006.01) B65C 3/08 (2006.01) B65D 25/20 (2006.01) B65G 61/00 (2006.01) G05B 19/418 (2006.01) G05B 23/02 (2006.01)**
[25] EN
[54] **PRODUCTION LINE MANAGEMENT SYSTEM, PRODUCTION LINE MANAGEMENT METHOD, CAN MANAGEMENT SYSTEM, CAN, AND MANUFACTURING METHOD FOR CAN**
[54] **SYSTEME DE GESTION DE CHAINE DE PRODUCTION, PROCEDE DE GESTION DE CHAINE DE PRODUCTION, SYSTEME DE GESTION DE BOITE, BOITE, PROCEDE DE FABRICATION DE CANETTE**
[72] TOCHIGI, TAKAYUKI, JP
[72] NAKAYAMA, KAZUHIKO, JP
[72] MIURA, SHINOBU, JP
[71] TOYO SEIKAN CO., LTD., JP
[85] 2022-10-28
[86] 2021-04-21 (PCT/JP2021/016124)
[87] (WO2021/220900)
[30] JP (2020-080739) 2020-04-30
[30] JP (2021-001023) 2021-01-06

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[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01)**
[25] EN
[54] **GENERATING NUCLEIC ACIDS WITH MODIFIED BASES USING RECOMBINANT TERMINAL DEOXYNUCLEOTIDYL TRANSFERASE**
[54] **GENERATION D'ACIDES NUCLEIQUES AVEC DES BASES MODIFIEES AU MOYEN DE DESOXYNUCLEOTIDYL TRANSFERASE TERMINALE RECOMBINANTE**
[72] NIRANTAR, SAURABH RAJENDRA, US
[72] PEISAJOVICH, SERGIO, US
[72] BRUSTAD, ERIC, US
[71] ILLUMINA INC., US
[71] ILLUMINA SINGAPORE PTE. LTD., SG
[85] 2022-10-28
[86] 2021-05-11 (PCT/US2021/031843)
[87] (WO2021/231477)
[30] US (63/023,736) 2020-05-12

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[13] A1
[51] **Int.Cl. A61K 35/14 (2015.01) C12N 5/078 (2010.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY WITH MODIFIED PBMCS AND AN IMMUNOCONJUGATE**
[54] **POLYTHERAPIE FAISANT INTERVENIR DES PBMC MODIFIEES ET UN IMMUNOCONJUGUE**
[72] UMANA, PABLO, CH
[72] KLEIN, CHRISTIAN, CH
[72] TRUMPFHELLER, CHRISTINE, CH
[72] NICOLINI, VALERIA G., CH
[72] CODARRI DEAK, LAURA, CH
[72] LOUGHHEAD, SCOTT, US
[72] BOOTY, MATTHEW, US
[71] F.HOFFMANN-LA ROCHE AG, CH
[85] 2022-10-28
[86] 2021-05-10 (PCT/US2021/031542)
[87] (WO2021/231278)
[30] US (63/023,193) 2020-05-11
[30] US (63/105,135) 2020-10-23

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[13] A1
[51] **Int.Cl. E05D 15/14 (2006.01) E05D 15/16 (2006.01) E06B 3/44 (2006.01) E06B 3/48 (2006.01)**
[25] EN
[54] **LAMINATE PANEL AND OVERHEAD SECTIONAL DOOR PANEL WITH LAMINATE PANELS AND A UNIVERSAL FABRIC HINGE**
[54] **PANNEAU STRATIFIE ET PANNEAU DE PORTE SECTIONNELLE SUSPENDUE COMPRENANT DES PANNEAUX STRATIFIES ET UNE CHARNIERE EN TISSU UNIVERSELLE**
[72] MCGEE, JOHN K., US
[71] CLOPAY CORPORATION, US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030346)
[87] (WO2021/222863)
[30] US (63/019,077) 2020-05-01

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING FULL-LENGTH ANTIBODIES USING E.COLI**
[54] **PROCEDES DE PRODUCTION D'ANTICORPS DE PLEINE LONGUEUR AU MOYEN D'E. COLI**
[72] GROFF, DANIEL, US
[72] HANSON, JEFFREY, US
[71] SUTRO BIOPHARMA, INC., US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030115)
[87] (WO2021/222719)
[30] US (63/018,436) 2020-04-30

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[13] A1
[51] **Int.Cl. C07H 1/02 (2006.01) C12Q 1/6874 (2018.01) C07H 19/10 (2006.01) C07H 19/20 (2006.01) C07H 21/02 (2006.01) C07H 21/04 (2006.01)**
[25] EN
[54] **NUCLEOSIDES AND NUCLEOTIDES WITH 3' ACETAL BLOCKING GROUP**
[54] **NUCLEOSIDES ET NUCLEOTIDES AVEC GROUPE DE BLOCAGE ACETAL 3'**
[72] FRANCAIS, ANTOINE, GB
[72] CRESSINA, ELENA, GB
[72] MARIANI, ANGELICA, GB
[72] CULLEY, ADAM, GB
[72] KOETJE, ANNO, GB
[72] LIU, XIAOHAI, GB
[71] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2022-10-28
[86] 2021-06-21 (PCT/EP2021/066886)
[87] (WO2021/259881)
[30] US (63/042,240) 2020-06-22

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[13] A1
[51] **Int.Cl. A61B 5/11 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **WEARABLE ELECTRONIC DEVICES, SYSTEMS, AND METHODS FOR COLLECTING PATIENT MOTION DATA AND ASSESSING PATIENT ACTIVITY**
[54] **DISPOSITIFS ELECTRONIQUES POUVANT ETRE PORTES, SYSTEMES ET PROCEDES DE COLLECTE DE DONNEES DE MOUVEMENT DE PATIENT ET D'EVALUATION DE L'ACTIVITE D'UN PATIENT**
[72] KRUGER, GRANT, US
[72] HARTE, STEVEN, US
[71] VERACRON LLC, US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030183)
[87] (WO2021/222757)
[30] US (63/018,102) 2020-04-30

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[13] A1
[51] **Int.Cl. F04D 29/42 (2006.01)**
[25] EN
[54] **CENTRIFUGAL COMPRESSOR AND METHOD OF OPERATING THE CENTRIFUGAL COMPRESSOR TO PRODUCE A UNIFORM INLET FLOW OF PROCESS GAS**
[54] **COMPRESSEUR CENTRIFUGE ET PROCEDE DE FONCTIONNEMENT DU COMPRESSEUR CENTRIFUGE POUR PRODUIRE UN FLUX D'ENTREE UNIFORME DE GAZ DE TRAITEMENT**
[72] QUERCIA, MARCO, IT
[72] SASSANELLI, GIUSEPPE, IT
[72] CORBO, SIMONE, IT
[72] GRIMALDI, ANGELO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2022-10-28
[86] 2021-04-29 (PCT/EP2021/025164)
[87] (WO2021/223912)
[30] IT (102020000010297) 2020-05-08

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **TRANSDERMAL DRUG DELIVERY DEVICES HAVING PSILOCYBIN, LYSERGIC ACID DIETHYLAMIDE OR 3,4-METHYLENEDIOXYMETHAMPHETAMINE COATED MICROPROTRUSIONS**
[54] **DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT TRANSDERMIQUE COMPRENANT DES MICROSAILLIES REVETUES DE PSILOCYBINE, D'ACIDE LYSERGIQUE DIETHYLAMIDE OU DE 3,4-METHYLENEDIOXYMETHAMPHETAMIN**
[72] AMERI, MAHMOUD, US
[72] LEWIS, HAYLEY, US
[71] EMERGEX USA CORPORATION, US
[85] 2022-10-28
[86] 2021-05-03 (PCT/US2021/030437)
[87] (WO2021/222885)
[30] US (63/018,759) 2020-05-01

[21] **3,177,299**
[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6874 (2018.01)**
[25] EN
[54] **CATALYTICALLY CONTROLLED SEQUENCING BY SYNTHESIS TO PRODUCE SCARLESS DNA**
[54] **SEQUENCAGE A COMMANDE CATALYTIQUE PAR SYNTHESE POUR PRODUIRE DE L'ADN SANS SCARIFICATION**
[72] PUGLIESE, KAITLIN, US
[72] PEISAJOVICH, SERGIO, US
[72] MANDELL, JEFFREY, US
[72] MCDONALD, SETH, US
[71] ILLUMINA INC., US
[85] 2022-10-28
[86] 2021-06-29 (PCT/US2021/039575)
[87] (WO2022/006081)
[30] US (63/045,914) 2020-06-30

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[13] A1
[51] **Int.Cl. A61K 39/215 (2006.01) A61K 35/761 (2015.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/165 (2006.01) C12N 7/01 (2006.01) C12N 15/50 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **SARS-COV-2 VACCINE**
[54] **VACCIN CONTRE LE SARS-COV-2**
[72] LI, JUNQIANG, CN
[72] SI, WEIXUE, CN
[72] ZHU, TAO, CN
[72] XU, YUNLI, CN
[72] DENG, JIE, CN
[72] CHAO, SHOUBAI, CN
[71] CANSINO BIOLOGICS INC., CN
[71] ACADEMY OF MILITARY MEDICAL SCIENCES, PLA, CN
[85] 2022-10-28
[86] 2021-04-01 (PCT/CN2021/084806)
[87] (WO2021/244120)
[30] CN (202010485668.5) 2020-06-01
[30] CN (202010866719.9) 2020-08-24

[21] **3,177,301**
[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01)**
[25] EN
[54] **DOSE CAPTURE ADD-ON DEVICE FOR HANDHELD INJECTION SYRINGE**
[54] **DISPOSITIF COMPLEMENTAIRE DE CAPTURE DE DOSE POUR SERINGUE D'INJECTION PORTATIVE**
[72] MARCOZ, ALAIN, FR
[71] BIOCORP PRODUCTION S.A, FR
[85] 2022-10-28
[86] 2020-04-30 (PCT/IB2020/000387)
[87] (WO2021/220024)

[21] **3,177,302**
[13] A1
[51] **Int.Cl. H04W 36/00 (2009.01)**
[25] EN
[54] **METHOD NETWORK OPTIMIZATION IN HANDOVER FAILURE SCENARIOS**
[54] **PROCEDE D'OPTIMISATION DE RESEAU DANS DES SCENARIOS DE DEFAILLANCE DE TRANSFERT INTERCELLULAIRE**
[72] CHEN, TEMING, US
[71] GOOGLE LLC, US
[85] 2022-10-28
[86] 2021-04-28 (PCT/US2021/029668)
[87] (WO2021/222423)
[30] US (63/018,499) 2020-04-30

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[13] A1
[51] **Int.Cl. A61K 51/02 (2006.01) C12N 1/20 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **BIOMEDICAL IMAGING OF BACTERIA AND BACTERIOPHAGE**
[54] **IMAGERIE BIOMEDICALE DE BACTERIES ET DE BACTERIOPHAGES**
[72] GOLDHAWK, DONNA E., CA
[72] BURTON, JEREMY, CA
[72] SILVERMAN, MICHAEL, CA
[72] PRATO, FRANK S., CA
[72] DONNELLY, SARAH CATHERINE, CA
[72] FOSTER, STEVEN, CA
[72] THOMPSON, ROBERT TERRY, CA
[72] ZHANG, MICHAEL, CA
[71] MULTI-MAGNETICS INCORPORATED, CA
[85] 2022-10-28
[86] 2021-04-28 (PCT/CA2021/050587)
[87] (WO2021/217259)
[30] US (63/016,668) 2020-04-28

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[13] A1
[51] **Int.Cl. H02K 1/27 (2022.01) H02K 1/28 (2006.01) H02K 1/30 (2006.01) H02K 7/04 (2006.01) H02K 15/03 (2006.01)**
[25] EN
[54] **PERMANENT MAGNET MOTOR WITH WRAPPING**
[54] **MOTEUR A AIMANT PERMANENT AVEC ENVELOPPEMENT**
[72] OLSEN, LEIF ERIC, US
[72] NELSON, DAVID, US
[72] LASKARIS, KONSTANTINOS, US
[72] GE, HAO, US
[72] FILIP, ETHAN, US
[72] VEGA, CHRISTIAN, US
[72] PELLEREY, PIERRE, US
[72] PAPANIKOLAOU, VASILEIOS, US
[71] TESLA, INC., US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030276)
[87] (WO2021/225902)
[30] US (63/019,848) 2020-05-04

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[13] A1
[51] **Int.Cl. G06K 19/077 (2006.01) G06K 7/10 (2006.01) G06Q 10/087 (2023.01)**
[25] EN
[54] **EASILY ATTACHABLE RFID TAG AND METHOD OF MAKING THE SAME**
[54] **ETIQUETTE RFID A FIXATION FACILE ET PROCEDE DE FABRICATION ASSOCIE**
[72] SCHOENING, KENNETH F., US
[71] A-1 PACKAGING SOLUTIONS, INC., US
[85] 2022-10-28
[86] 2021-04-22 (PCT/US2021/028560)
[87] (WO2021/216819)
[30] US (16/855,587) 2020-04-22

[21] **3,177,306**
[13] A1
[51] **Int.Cl. B01J 47/12 (2017.01)**
[25] EN
[54] **IMPROVED CHLORINE TOLERANCE OF CONTINUOUS ELECTRODEIONIZATION MODULES**
[54] **AMELIORATION DE LA TOLERANCE AU CHLORE DE MODULES D'ELECTRO-DESIONISATION EN CONTINU**
[72] WOOD, JONATHAN H., US
[72] DOUNG, SEVEING, US
[71] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2022-10-28
[86] 2021-05-06 (PCT/US2021/031094)
[87] (WO2021/226337)
[30] US (63/020,763) 2020-05-06
[30] US (63/071,541) 2020-08-28

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[13] A1
[51] **Int.Cl. A63F 13/98 (2014.01) A63F 13/21 (2014.01) A63F 13/24 (2014.01)**
[25] EN
[54] **A VIRTUAL REALITY OR AUGMENTED REALITY ATTACHMENT SYSTEM**
[54] **SYSTEME D'ACCESSOIRE DE REALITE VIRTUELLE OU DE REALITE AUGMENTEE**
[72] ANDRIYCHENKO, OLEKSIY, DE
[71] ANDRIYCHENKO, OLEKSIY, DE
[85] 2022-10-28
[86] 2021-04-28 (PCT/IB2021/053520)
[87] (WO2021/220184)
[30] US (63/016,761) 2020-04-28

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[13] A1
[51] **Int.Cl. E05C 3/16 (2006.01)**
[25] EN
[54] **ROTATION CONVERTER**
[54] **CONVERTISSEUR DE ROTATION**
[72] KUMAR, PHANEENDRA, IN
[72] VARADARAJU, NAGESH, IN
[72] MCKIBBEN, AARON P., US
[71] SCHLAGE LOCK COMPANY LLC, US
[85] 2022-10-28
[86] 2021-04-28 (PCT/US2021/029643)
[87] (WO2021/222405)
[30] US (16/860,483) 2020-04-28

[21] **3,177,310**
[13] A1
[25] EN
[54] **DATA COMMUNICATION METHOD AND RELATED APPARATUS**
[54] **PROCEDE DE COMMUNICATION DE DONNEES ET APPAREIL ASSOCIE**
[72] LIU, HANG, CN
[72] WANG, JIAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-10-28
[86] 2020-04-29 (PCT/CN2020/087916)
[87] (WO2021/217528)

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[13] A1
[51] **Int.Cl. A61K 31/765 (2006.01) A61K 9/14 (2006.01) A61P 11/00 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **NEGATIVELY CHARGED PARTICLES FOR THE TREATMENT OF CYTOKINE STORM SYNDROME (CSS) AND ACUTE RESPIRATORY DISTRESS SYNDROME (ARDS)**
[54] **PARTICULES CHARGEES NEGATIVEMENT POUR LE TRAITEMENT DU CHOC CYTOKINIQUE (CC) ET DU SYNDROME DE DETRESSE RESPIRATOIRE AIGUE (SDRA)**
[72] PUISIS, JOHN, US
[72] HERRMANN, JIM, US
[71] ONCOUR PHARMA, INC., US
[85] 2022-10-28
[86] 2021-04-29 (PCT/US2021/029893)
[87] (WO2021/222565)
[30] US (63/018,210) 2020-04-30
[30] US (63/018,214) 2020-04-30
[30] US (63/128,386) 2020-12-21

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[13] A1
[51] **Int.Cl. B62D 5/00 (2006.01) B62D 5/04 (2006.01) B62D 12/00 (2006.01)**
[25] EN
[54] **HYBRID STEERING SYSTEM AND METHOD IMPLEMENTING VIRTUAL AND MECHANICAL STOPS**
[54] **SYSTEME DE DIRECTION HYBRIDE ET PROCEDE METTANT EN OEUVRE DES ARRETS VIRTUELS ET MECANIQUES**
[72] ROAT, KENNETH M., US
[71] CATERPILLAR INC., US
[85] 2022-10-28
[86] 2021-05-04 (PCT/US2021/030543)
[87] (WO2021/226005)
[30] US (16/870,217) 2020-05-08

[21] **3,177,314**
[13] A1
[25] EN
[54] **MEANS AND METHODS FOR THE DIAGNOSIS, CLASSIFICATION AND/OR MONITORING OF PEDIATRIC TUMORS**
[54] **MOYENS ET METHODES POUR LE DIAGNOSTIC, LA CLASSIFICATION ET/OU LE SUIVI DE TUMEURS PEDIATRIQUES.**
[72] DE SA FERREIRA FACIO, CRISTIANE, BR
[72] DESSANTI BOTAFOGO GONCALVES, VITOR, ES
[72] SOBRAL DA COSTA, ELAINE, BR
[72] VAN DONGEN, JACOBUS JOHANNES MARIA, NL
[72] ORFAO DE MATOS CORREIA E VALE, JOSE ALBERTO, ES
[71] STICHTING EUROFLOW, NL
[71] ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC, NL
[71] UNIVERSITY OF SALAMANCA, ES
[85] 2022-10-28
[86] 2021-06-09 (PCT/NL2021/050367)
[87] (WO2021/251824)
[30] EP (20179302.3) 2020-06-10

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[13] A1
[51] **Int.Cl. F25C 1/18 (2006.01) F25C 1/25 (2018.01) F25C 1/04 (2018.01) F25C 1/12 (2006.01) F25C 5/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ICE MANUFACTURING**
[54] **SYSTEME ET PROCEDE DE FABRICATION DE GLACE**
[72] HARRELL, ROBERT E., US
[71] MINNESOTA ICE SCULPTURES L.L.C., US
[85] 2022-10-28
[86] 2021-04-28 (PCT/US2021/029765)
[87] (WO2021/222482)
[30] US (63/016,783) 2020-04-28

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[13] A1
[51] **Int.Cl. A42B 3/12 (2006.01) A42B 3/06 (2006.01)**
[25] EN
[54] **HARD HAT WITH IMPACT PROTECTION MATERIAL**
[54] **CASQUE DE PROTECTION DOTE D'UN MATERIAU DE PROTECTION CONTRE LES CHOCS**
[72] WORPLE, JOSEPH R., US
[72] KHANGAR, ABHIJEET A., US
[71] MILWAUKEE ELECTRIC TOOL CORPORATION, US
[85] 2022-10-28
[86] 2021-05-11 (PCT/US2021/031810)
[87] (WO2021/231451)
[30] US (63/023,516) 2020-05-12

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12N 15/52 (2006.01) C12N 15/67 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **METHODS FOR REDUCING RNA IMMUNOGENICITY AND RNA MOLECULES WITH DECREASED IMMUNOGENICITY**
[54] **PROCEDES DE REDUCTION DE L'IMMUNOGENICITE D'ARN ET DE MOLECULES D'ARN A IMMUNOGENICITE REDUITE**
[72] BARON VAN ASBECK, ALEXANDER HENRIK, NL
[72] DIEKER, JURGEN WILHELMUS CAROLUS, NL
[71] RIBOPRO B.V., NL
[85] 2022-10-28
[86] 2021-04-30 (PCT/NL2021/050284)
[87] (WO2021/221508)
[30] NL (2025475) 2020-04-30

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[13] A1
[51] **Int.Cl. G01N 23/00 (2006.01) G01N 23/22 (2018.01) H05H 3/06 (2006.01) H05H 6/00 (2006.01) H05H 13/00 (2006.01)**
[25] EN
[54] **3 MEV TO 90 MEV PROTON CYCLOTRON FOR NEUTRON BEAM PRODUCTION**
[54] **CYCLOTRON DE PROTONS DE 3 MEV A 90 MEV POUR LA PRODUCTION DE FAISCEAUX DE NEUTRONS**
[72] JOHNSON, RICHARD, CA
[72] BUTALAG, KARIM, IT
[72] SUTHANTHIRAN, KRISHNAN, US
[71] BEST THERATRONICS, LTD., CA
[85] 2022-10-28
[86] 2021-04-28 (PCT/CA2021/050583)
[87] (WO2021/217258)
[30] US (63/019,187) 2020-05-01

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[13] A1
[51] **Int.Cl. A61B 17/3205 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR CORING TISSUE**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE CAROTTAGE DE TISSU**
[72] COHN, WILLIAM, US
[72] DAGLOW, TERRY, US
[72] KUHN, MATTHEW T., US
[72] MELCHOR, JONATHAN, US
[72] MICK, THEODORE, US
[72] MILLS, CHRIS, US
[72] NGUYEN, STEVEN, US
[72] SALAZAR, JORGE, US
[71] PRANA THORACIC, INC., US
[85] 2022-10-28
[86] 2021-04-29 (PCT/IB2021/053588)
[87] (WO2021/220220)
[30] US (63/017,724) 2020-04-30

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[13] A1
[51] **Int.Cl. G01S 17/88 (2006.01) G01V 8/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING A PILE**
[54] **PROCEDE ET SYSTEME DE DETECTION DE PILE**
[72] RAM, SHASTRI, US
[71] CATERPILLAR INC., US
[85] 2022-10-28
[86] 2021-04-20 (PCT/US2021/028067)
[87] (WO2021/231043)
[30] US (16/871,419) 2020-05-11

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[51] **Int.Cl. A61P 9/12 (2006.01) A61P 9/14 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **NOVEL THERAPEUTIC AGENT FOR VASCULAR DISORDER**
[54] **NOUVEL AGENT THERAPEUTIQUE POUR TROUBLE VASCULAIRE**
[72] ERA, TAKUMI, JP
[72] WATANABE, SAYAKA, JP
[72] KUSAYANAGI, TOMOE, JP
[71] NATIONAL UNIVERSITY CORPORATION KUMAMOTO UNIVERSITY, JP
[85] 2022-10-28
[86] 2021-05-07 (PCT/JP2021/017423)
[87] (WO2021/225149)
[30] JP (2020-082511) 2020-05-08

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **IMMUNOTHERAPY RESPONSE SIGNATURE**
[54] **SIGNATURE DE REPONSE D'IMMUNOTHERAPIE**
[72] ABRAHAM, JIM, US
[72] SPETZLER, DAVID, US
[71] CARIS MPI, INC., US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030351)
[87] (WO2021/222867)
[30] US (63/018,304) 2020-04-30

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[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **INFORMATION INDICATION METHOD, INFORMATION DETERMINING METHOD, CARRIER FREQUENCY INFORMATION DETERMINING METHOD, COMMUNICATION NODE, TERMINAL, AND MEDIUM**
[54] **PROCEDE D'INDICATION D'INFORMATIONS, PROCEDE DE DETERMINATION D'INFORMATIONS, PROCEDE DE DETERMINATION D'INFORMATIONS DE FREQUENCE PORTEUSE, N?UD DE COMMUNICATION, TERMINAL ET SUPPOR**
[72] MEI, MENG, CN
[72] LU, ZHAOHUA, CN
[72] JIANG, CHUANGXIN, CN
[72] GAO, BO, CN
[72] ZHANG, SHUJUAN, CN
[72] YAO, KE, CN
[71] ZTE CORPORATION, CN
[85] 2022-10-28
[86] 2021-04-29 (PCT/CN2021/090865)
[87] (WO2021/219060)
[30] CN (202010358047.0) 2020-04-29

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[51] **Int.Cl. G01N 23/2255 (2018.01) G01N 23/2257 (2018.01) G01N 23/203 (2006.01)**
[25] EN
[54] **1 MEV TO 3 MEV DEUTERON/PROTON CYCLOTRON FOR MATERIAL ANALYSIS**
[54] **CYCLOTRON DE DEUTERONS/PROTONS DE 1 MEV A 3 MEV POUR L'ANALYSE DE MATERIAUX**
[72] JOHNSON, RICHARD, CA
[72] BUTALAG, KARIM, IT
[72] SUTHANTHIRAN, KRISHNAN, US
[71] BEST THERATRONICS, LTD., CA
[85] 2022-10-28
[86] 2021-04-26 (PCT/CA2021/050567)
[87] (WO2021/217249)
[30] US (63/017,546) 2020-04-29

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/39 (2006.01) C07H 15/18 (2006.01)**
[25] EN
[54] **USE OF TLR4 MODULATOR IN THE TREATMENT OF COCCIDIOSIS**
[54] **UTILISATION D'UN MODULATEUR TLR4 DANS LE TRAITEMENT DE LA COCCIDIOSE**
[72] DAHL, ANDREW A., US
[72] PFUND, WILLIAM P., US
[72] STEFFEK, AMY E., US
[71] ZIVO BIOSCIENCE, INC., US
[85] 2022-10-28
[86] 2021-05-14 (PCT/US2021/032457)
[87] (WO2021/231869)
[30] US (63/024,886) 2020-05-14
[30] US (17/320,706) 2021-05-14

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[25] EN
[54] **NOVEL OFFSHORE WIND POWER FOUNDATION SUITABLE FOR SHALLOW OVERBURDEN LAYER AND CONSTRUCTION METHOD THEREOF**
[54] **NOUVELLE FONDATION DE TURBINE EOLIENNE EN MER APPROPRIEE POUR UNE COUCHE DE REVETEMENT PEU PROFONDE ET SON PROCEDE DE CONSTRUCTION**
[72] LUO, LUNBO, CN
[72] ZHANG, WEI, CN
[72] YAN, JUNYI, CN
[72] XU, HAIBIN, CN
[72] NIU, YULONG, CN
[72] DAI, JIALIN, CN
[72] WANG, WEI, CN
[72] ZHANG, ZECHAO, CN
[72] YU, GUANGMING, CN
[71] CHINA THREE GORGES CORPORATION, CN
[85] 2022-10-28
[86] 2021-11-15 (PCT/CN2021/130649)
[87] (WO2022/127466)
[30] CN (202011502553.9) 2020-12-17
[30] CN (202023051433.X) 2020-12-17

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[13] A1
[51] **Int.Cl. C07K 16/36 (2006.01)**
[25] EN
[54] **PROTEIN S ANTIBODIES, METHODS OF MAKING AND USES THEREOF**
[54] **ANTICORPS DE PROTEINE S, LEURS PROCEDES DE PRODUCTION ET D'UTILISATION**
[72] PANICKER, SANDIP, US
[72] ROSENTHAL, ADAM DAVID, US
[72] BYUN, TONY SANGYOUNG, US
[72] DONG, QUEHUONG THI, US
[71] VEGA THERAPEUTICS, INC., US
[85] 2022-10-28
[86] 2021-05-05 (PCT/US2021/030900)
[87] (WO2021/226243)
[30] US (63/020,505) 2020-05-05
[30] US (63/169,755) 2021-04-01

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[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 47/69 (2017.01) C07K 14/435 (2006.01)**
[25] EN
[54] **PROSTATE SPECIFIC MEMBRANE ANTIGEN BINDING FIBRONECTIN TYPE III DOMAINS AND CELLS COMPRISING THE SAME**
[54] **DOMAINES III DE LA FIBRONECTINE DE LIAISON A L'ANTIGENE MEMBRANAIRE SPECIFIQUE DE LA PROSTATE ET CELLULES LES COMPRENANT**
[72] O'NEIL, KARYN, US
[71] ARO BIOTHERAPEUTICS COMPANY, US
[85] 2022-10-28
[86] 2021-05-05 (PCT/US2021/030863)
[87] (WO2021/226223)
[30] US (63/020,363) 2020-05-05

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[51] **Int.Cl. G01N 27/623 (2021.01) G01N 30/72 (2006.01)**
[25] EN
[54] **COLLECTING AND ANALYZING SWAB SAMPLES**
[54] **COLLECTE ET ANALYSE D'ECHANTILLONS D'ECOUVILLON**
[72] EBERLIN, LIVIA SCHIAVINATO, US
[72] GREEN, SHANNON D., US
[72] GARZA, KYANA, US
[72] POVILAITIS, SYDNEY CORDANO, US
[72] KEATING, MICHAEL, US
[72] ZHANG, JIALING, US
[72] SULIBURK, JAMES, US
[71] MS PEN TECHNOLOGIES, INC., US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-10-28
[86] 2021-04-29 (PCT/US2021/029819)
[87] (WO2021/222515)
[30] US (63/017,387) 2020-04-29
[30] US (63/088,724) 2020-10-07

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[25] EN
[54] **DIAGNOSIS AND TREATMENT OF CANCERS SHOWING HIGH EXPRESSION OF PIWI AND/OR NMD COMPLEX PROTEIN**
[54] **DIAGNOSTIC ET TRAITEMENT DE CANCERS PRESENTANT UNE EXPRESSION ELEVEE DE PROTEINE COMPLEXE PIWI ET/OU NMD**
[72] LIN, HAIFAN, CN
[72] SHI, SHUO, CN
[72] YANG, ZHENZHEN, CN
[71] SHANGHAITECH UNIVERSITY, CN
[85] 2022-10-28
[86] 2021-04-28 (PCT/CN2021/090591)
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[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SEALING CORED OR PUNCTURED TISSUE USING INFLATABLE BALLOON**
[54] **SYSTEMES ET PROCEDES POUR SCELLER UN TISSU CAROTTE OU PERFORE A L'AIDE D'UN BALLONNET GONFLABLE**
[72] COHN, WILLIAM, US
[72] DAGLOW, TERRY, US
[72] KUHN, MATTHEW T., US
[72] NGUYEN, STEVEN, US
[71] PRANA THORACIC, INC., US
[85] 2022-10-28
[86] 2021-04-29 (PCT/IB2021/053591)
[87] (WO2021/220223)
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[13] A1
[51] **Int.Cl. F41G 1/30 (2006.01) F41G 1/387 (2006.01) F41G 1/40 (2006.01)**
[25] EN
[54] **ON-AXIS HOLOGRAPHIC SIGHT**
[54] **VISEUR HOLOGRAPHIQUE AXE**
[72] PARKER, WILLIAM P., US
[72] PARKER, JULIE, US
[72] SULLIVAN, SEAN, US
[72] VILES, TIMOTHY, US
[71] MARSUPIAL HOLDINGS, INC., US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030314)
[87] (WO2021/222842)
[30] US (62/704,240) 2020-04-29
[30] US (62/704,716) 2020-05-25

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[13] A1
[51] **Int.Cl. C07D 401/06 (2006.01) C07D 401/14 (2006.01) C07D 403/06 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01) C07D 491/107 (2006.01)**
[25] EN
[54] **AZETIDIN-3-YLMETHANOL DERIVATIVES AS CCR6 RECEPTOR MODULATORS**
[54] **DERIVES D'AZETIDIN-3-YLMETHANOL EN TANT QUE MODULATEURS DU RECEPTEUR CCR6**
[72] ALLEMANN, OLIVER, CH
[72] CAROFF, EVA, CH
[72] CHAVANTON-ARPEL, ALEXIA, CH
[72] CROXFORD, ANDREW, CH
[72] HUBLER, FRANCIS, CH
[72] JACOB, LOIC, CH
[72] MEYER, EMMANUEL, CH
[72] RICHARD-BILDSTEIN, SYLVIA, CH
[71] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2022-10-28
[86] 2021-04-30 (PCT/EP2021/061401)
[87] (WO2021/219849)
[30] EP (PCT/EP2020/062103) 2020-04-30

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[13] A1
[51] **Int.Cl. G01D 1/00 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CLASSIFYING SENSOR READINGS**
[54] **SYSTEME ET PROCEDE DE CLASSIFICATION DE RELEVES DE CAPTEUR**
[72] CLARKSON, GEOFFREY, CA
[71] UT COMP INC., CA
[85] 2022-10-28
[86] 2021-04-30 (PCT/CA2021/050599)
[87] (WO2021/217268)
[30] US (63/017,823) 2020-04-30

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[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01) G06T 19/00 (2011.01) H04N 13/344 (2018.01)**
[25] EN
[54] **EXTENDED FIELD-OF-VIEW NEAR-TO-EYE WEARABLE DISPLAY**
[54] **DISPOSITIF D'AFFICHAGE POUVANT ETRE PORTE PRES DE L'?IL A CHAMP DE VISION ETENDU**
[72] PARKER, WILLIAM P., US
[72] PARKER, JULIE, US
[72] BROPHY, PATRICK, US
[71] MARSUPIAL HOLDINGS, INC., US
[85] 2022-10-28
[86] 2021-04-30 (PCT/US2021/030293)
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[30] US (62/704,251) 2020-04-30

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[51] **Int.Cl. A61K 31/20 (2006.01) A61K 31/201 (2006.01) A61K 31/202 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING RESPIRATORY VIRAL INFECTIONS COMPRISING ADMINISTRATION OF FATTY ACID COMPOSITIONS**
[54] **METHODE DE TRAITEMENT D'INFECTIONS VIRALES RESPIRATOIRES COMPRENANT L'ADMINISTRATION DE COMPOSITIONS D'ACIDES GRAS**
[72] CHACON, MARCO A., US
[71] IRAZU BIO, LLC, US
[85] 2022-10-28
[86] 2021-04-29 (PCT/US2021/029841)
[87] (WO2021/222535)
[30] US (63/019,009) 2020-05-01

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[51] **Int.Cl. E21B 34/06 (2006.01) E21B 43/12 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **VARIABLE WIDTH SAND BRIDGE INDUCER**
[54] **INDUCTEUR DE PONT DE SABLE A LARGEUR VARIABLE**
[72] NEWPORT, CASEY LAINE, US
[72] DE LONG, ROBERT CHARLES, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-10-28
[86] 2020-07-14 (PCT/US2020/041935)
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[13] A1
[51] **Int.Cl. G01N 21/65 (2006.01)**
[25] FR
[54] **METHOD FOR DETECTING THE PRESENCE OF A PATHOGENIC AGENT IN A BIOLOGICAL FLUID BY SURFACE ENHANCED RAMAN SPECTROSCOPY**
[54] **METHODE DE DETECTION DE LA PRESENCE D'UN AGENT PATHOGENE DANS UN LIQUIDE BIOLOGIQUE PAR SPECTROSCOPIE RAMAN EXALTEE DE SURFACE**
[72] BOULANGER, ANTHONY FRANCOIS MICHEL CLAUDE DIEUDONNE, FR
[72] CASTELAIN, SANDRINE, FR
[72] LEFRANC, SANDRINE GODELIEVE AGNES, FR
[72] GAUVAIN, PIERRE MICHEL RENE, FR
[72] PEREZ, FLORENT JULES ADRIEN, FR
[72] EL MESSAOUDI, SANAA, FR
[72] BANON, ALEXANDRE ANTOINE BENJAMIN MARIE, FR
[72] GARSUAULT, DELPHINE STEPHANIE JEANNINE MARIE-THERESE, FR
[72] GUEDET, TIFFANY, FR
[72] SCHMITT-BOULANGER, MARION, FR
[71] GREENTROPISM, FR
[85] 2022-10-28
[86] 2021-04-30 (PCT/FR2021/050751)
[87] (WO2021/219969)
[30] FR (FR2004334) 2020-04-30
[30] FR (FR2011030) 2020-10-28

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[13] A1
[51] **Int.Cl. A61K 38/53 (2006.01) A61K 35/76 (2015.01) A61K 48/00 (2006.01) A61P 25/16 (2006.01) C07K 7/06 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **ENGINEERED PARKIN AND USES THEREOF**
[54] **PARKINE MODIFIEE ET UTILISATIONS ASSOCIEES**
[72] SACRAMENTO, CHESTER BITTENCORT, US
[72] HERZOG, CHRISTOPHER DEAN, US
[72] PRABHAKAR, RAJ, US
[71] SPACECRAFT SEVEN, LLC, US
[85] 2022-10-28
[86] 2021-05-20 (PCT/US2021/033491)
[87] (WO2021/236981)
[30] US (63/027,866) 2020-05-20
[30] US (63/027,868) 2020-05-20

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[13] A1
[51] **Int.Cl. G01N 21/17 (2006.01) A61B 5/00 (2006.01) G01N 15/00 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **PARS IMAGING METHODS**
[54] **PROCEDES D'IMAGERIE PARS**
[72] HAJI REZA, PARSIN, CA
[72] HOSSEINAEE, ZOHREH, CA
[72] BELL, KEVAN, CA
[72] ABBASI, SAAD, CA
[72] ECCELSTONE, BEN, CA
[71] ILLUMISONICS INC., CA
[85] 2022-10-28
[86] 2021-06-17 (PCT/IB2021/055380)
[87] (WO2021/255695)
[30] US (63/040,866) 2020-06-18
[30] US (17/010,500) 2020-09-02
[30] US (63/187,789) 2021-05-12

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[13] A1
[51] **Int.Cl. A62B 18/02 (2006.01) A62B 23/02 (2006.01)**
[25] EN
[54] **BIDIRECTIONAL REUSABLE FILTERING FACE MASK**
[54] **MASQUE FACIAL FILTRANT REUTILISABLE BIDIRECTIONNEL**
[72] MESCHI, OSCAR, IT
[71] UPBIOCARE S.R.L., IT
[85] 2022-10-29
[86] 2021-04-29 (PCT/IB2021/053576)
[87] (WO2021/224734)
[30] IT (102020000009631) 2020-05-04

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[13] A1
[51] **Int.Cl. E06B 5/20 (2006.01) E06B 3/263 (2006.01) E06B 7/24 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE ACOUSTIC DOOR**
[54] **PORTE ACOUSTIQUE A HAUTE PERFORMANCE**
[72] HIBBS, DANIEL L., US
[72] MILLER, MIKE, US
[72] HARRIS, THOMAS E., US
[72] FLEISCHMANN, ARON, US
[71] V-T INDUSTRIES INC., US
[85] 2022-10-29
[86] 2021-05-13 (PCT/US2021/032277)
[87] (WO2021/231746)
[30] US (63/024,335) 2020-05-13
[30] US (17/319,821) 2021-05-13

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[13] A1
[51] **Int.Cl. B26D 3/18 (2006.01) B26D 3/26 (2006.01)**
[25] EN
[54] **TENSION KNIFE FOR CUTTING FOOD PRODUCTS**
[54] **COUTEAU A TENSION POUR COUPER DES PRODUITS ALIMENTAIRES**
[72] MONK, SAMUEL, US
[72] ROAN, DANELLE, US
[72] FOW, MARK ALAN, US
[72] HOWARD, GRAYDEN, US
[72] BANOWETZ, DANIEL L., US
[72] JACKO, MICHAEL S., US
[71] LAMB WESTON, INC., US
[85] 2022-10-29
[86] 2021-05-07 (PCT/US2021/031236)
[87] (WO2021/226425)
[30] US (63/021,715) 2020-05-08
[30] US (17/314,212) 2021-05-07

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[13] A1
[51] **Int.Cl. A61K 31/167 (2006.01) A61K 31/245 (2006.01) A61K 31/445 (2006.01)**
[25] EN
[54] **FAST-ACTING TOPICAL ANESTHETIC FORMULATIONS**
[54] **FORMULATIONS ANESTHESIQUES TOPIQUES A ACTION RAPIDE**
[72] DAWKINS, MANJU CHACKO, US
[72] NEWSAM, JOHN M., US
[72] KUSHWAHA, AVADHESH, US
[72] KISAK, EDWARD T., US
[71] ACHELON, INC., US
[85] 2022-10-29
[86] 2021-04-28 (PCT/US2021/029719)
[87] (WO2021/222453)
[30] US (63/019,042) 2020-05-01

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[13] A1
[51] **Int.Cl. B63G 8/42 (2006.01) B63G 8/14 (2006.01) A01K 73/02 (2006.01) A01K 73/04 (2006.01) B63B 21/66 (2006.01) B63B 35/16 (2006.01)**
[25] EN
[54] **A TRACTION DEVICE FOR TOWING AN OBJECT ALONG A WATER SURFACE OR THROUGH A BODY OF WATER**
[54] **DISPOSITIF DE TRACTION POUR REMORQUER UN OBJET LE LONG D'UNE SURFACE D'EAU OU DANS UN PLAN D'EAU**
[72] BJORNENAK, MADS, NO
[71] ECO TRAWL AS, NO
[85] 2022-10-31
[86] 2021-05-05 (PCT/NO2021/050113)
[87] (WO2021/225451)
[30] NO (20200544) 2020-05-08

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[13] A1
[51] **Int.Cl. G09G 5/00 (2006.01)**
[25] EN
[54] **DYNAMIC DATA TILING**
[54] **CARROYAGE DYNAMQUE DE DONNEES**
[72] HOLDEN, CHRISTOPHER EDWARD, US
[72] MA, KEITH FREDERICK, US
[72] MCDONALD, JACOB SAMUEL, US
[71] INDIGO AG, INC., US
[85] 2022-10-31
[86] 2021-04-30 (PCT/US2021/030196)
[87] (WO2021/222763)
[30] US (63/019,071) 2020-05-01
[30] US (63/074,319) 2020-09-03

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[13] A1
[51] **Int.Cl. C07D 233/96 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **MODULATORS OF TREX1**
[54] **MODULATEURS DE TREX1**
[72] LEVELL, JULIAN R., US
[72] WILSON, JONATHAN E., US
[72] COFFIN, AARON, US
[72] TAVERAS, KENNEDY, US
[71] CONSTELLATION PHARMACEUTICALS, INC., US
[85] 2022-10-31
[86] 2021-04-30 (PCT/US2021/030189)
[87] (WO2021/222761)
[30] US (63/018,808) 2020-05-01

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[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) G16B 20/00 (2019.01)**
[25] EN
[54] **POLICY-BASED GENOMIC DATA SHARING FOR SOFTWARE-AS-A-SERVICE TENANTS**
[54] **PARTAGE DE DONNEES GENOMIQUES A BASE DE POLITIQUES DE LOCATAIRES DE LOGICIEL EN TANT QUE SERVICE**
[72] PALANISAMY, PRABHU, US
[72] KARANGUTKAR, MILAN, US
[72] STINSON, RYAN, US
[71] ILLUMINA INC., US
[85] 2022-10-31
[86] 2021-06-25 (PCT/US2021/039234)
[87] (WO2022/005912)
[30] US (63/045,736) 2020-06-29

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[13] A1
[51] **Int.Cl. E04B 1/76 (2006.01) E04F 21/08 (2006.01) F24C 15/20 (2006.01)**
[25] EN
[54] **COMMERCIAL KITCHEN INSTALLATION WITH DOUBLE WALL GREASE DUCT**
[54] **INSTALLATION DE CUISINE COMMERCIALE A CONDUIT DE GRAISSE A DOUBLE PAROI**
[72] GRIFFIN, WILLIAM BRIAN, US
[72] PERRY, NICHOLAS, US
[72] THOMPSON, KYLE, US
[71] CAPTIVE-AIRE SYSTEMS, INC., US
[85] 2022-10-31
[86] 2021-04-27 (PCT/US2021/029284)
[87] (WO2021/225825)
[30] US (16/868,610) 2020-05-07

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[13] A1
[25] EN
[54] **MANAGEMENT OF ELECTRICAL POWER SUPPLY VIA ETHERNET CABLE**
[54] **GESTION DE L'ALIMENTATION ELECTRIQUE PAR CABLE ETHERNET**
[72] LALLEMAND, XAVIER, BE
[72] HEMERIJCK, OLIVIER, BE
[71] ECOGREEN SOFT SPRL, BE
[85] 2022-10-31
[86] 2021-05-06 (PCT/EP2021/061952)
[87] (WO2021/224371)
[30] BE (BE2020/5306) 2020-05-07

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[13] A1
[25] EN
[54] **TEMPORARY CLOUD PROVIDER CREDENTIALS VIA SECURE DISCOVERY FRAMEWORK**
[54] **JUSTIFICATIFS D'IDENTITE DE FOURNISSEUR EN NUAGE TEMPORAIRES PAR L'INTERMEDIAIRE D'UNE STRUCTURE DE DECOUVERTE SECURISEE**
[72] PALANISAMY, PRABHU, US
[71] ILLUMINA, INC., US
[85] 2022-10-31
[86] 2021-06-25 (PCT/US2021/039237)
[87] (WO2022/005914)
[30] US (63/045,736) 2020-06-29
[30] US (63/087,155) 2020-10-02

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[51] **Int.Cl. G06F 12/06 (2006.01) G06Q 20/32 (2012.01) G06F 12/14 (2006.01) G06K 7/14 (2006.01) G06K 19/06 (2006.01)**
[25] EN
[54] **MULTI-PART CODE SYSTEM**
[54] **SYSTEME DE CODE EN PLUSIEURS PARTIES**
[72] FILTER, TREVOR, US
[72] KILGORE, ZACHARY, US
[72] SPALDING, TYLER ROBERT, US
[71] FLEXA NETWORK INC., US
[85] 2022-10-31
[86] 2021-05-07 (PCT/US2021/031368)
[87] (WO2021/231223)
[30] US (16/871,689) 2020-05-11

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[13] A1
[51] **Int.Cl. C12N 15/867 (2006.01) C12M 3/00 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **LENTIVIRAL VECTOR MANUFACTURING PROCESS IN PACKED BED BIOREACTOR**
[54] **PROCEDE DE FABRICATION DE VECTEUR LENTIVIRAL DANS UN BIOREACTEUR A LIT TASSE**
[72] NERI, MARGHERITA, IT
[72] COTA, MANUELA, IT
[72] ALLIEVI, LUCA, IT
[72] TESTASECCA, ANGELA, IT
[72] BONFANTI, FRANCESCA, IT
[72] VALLANTI, GIULIANA, IT
[71] AGC BIOLOGICS S.P.A., IT
[85] 2022-10-31
[86] 2021-05-04 (PCT/EP2021/061673)
[87] (WO2021/224227)
[30] EP (20172806.0) 2020-05-04

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[51] **Int.Cl. A61C 7/30 (2006.01)**
[25] EN
[54] **ORTHODONTIC DEVICE**
[54] **DISPOSITIF ORTHODONTIQUE**
[72] CARRIERE LLUCH, LUIS, ES
[71] ORTHODONTIC RESEARCH AND DEVELOPMENT, S.L., ES
[85] 2022-10-31
[86] 2021-04-30 (PCT/EP2021/061431)
[87] (WO2021/224135)
[30] EP (20382367.9) 2020-05-04

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[13] A1
[51] **Int.Cl. E21B 4/02 (2006.01) E21B 44/04 (2006.01)**
[25] EN
[54] **DRILLING MUD MOTOR CLUTCH**
[54] **EMBRAYAGE DE MOTEUR A BOUE DE FORAGE**
[72] LUND, HANS-JACOB, US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2022-10-31
[86] 2021-05-04 (PCT/US2021/030631)
[87] (WO2021/226068)
[30] US (63/019,736) 2020-05-04

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[13] A1
[51] **Int.Cl. A61K 8/22 (2006.01) A61K 8/81 (2006.01)**
[25] EN
[54] **DISSOLVABLE HYDROGEN PEROXIDE TEETH WHITENING STRIP OR FILM**
[54] **BANDE OU FILM DE PEROXYDE D'HYDROGENE SOLUBLE POUR LE BLANCHIMENT DES DENTS**
[72] CULLEN, JOHN EDWARD, GB
[72] LIVINGSTONE, MARK ALEXANDER, GB
[72] MACFARLANE, MELANIE, GB
[72] CRICHTON, ROBERT, GB
[71] BSOLVE LIMITED, GB
[85] 2022-10-31
[86] 2021-05-05 (PCT/GB2021/051087)
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[30] GB (2006650.2) 2020-05-05

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61P 31/12 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **ORAL FILM OF HIV DRUGS**
[54] **FILM ORAL DE MEDICAMENTS CONTRE LE VIH**
[72] VELAGA, SIVA RAMA KRISHNA, IN
[72] RAYALA, SIVA RAMAKRISHNA, IN
[72] PIMPLE, SRIKANT, IN
[72] UPPALA, ANANDA HARANATH, IN
[72] DUGGI, VAMSHIDHAR REDDY, IN
[72] KAVURI, NARENDRA KUMAR, IN
[71] LAURUS LABS LIMITED, IN
[85] 2022-10-31
[86] 2021-06-25 (PCT/IB2021/055667)
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[30] IN (202041046918) 2020-10-28

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[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01) A61K 48/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR DRG-SPECIFIC REDUCTION OF TRANSGENE EXPRESSION**
[54] **COMPOSITIONS POUR LA REDUCTION SPECIFIQUE A DES DRG D'EXPRESSION TRANSGENIQUE**
[72] WILSON, JAMES M., US
[72] HORDEAUX, JULIETTE, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2022-10-31
[86] 2021-05-12 (PCT/US2021/032003)
[87] (WO2021/231579)
[30] US (63/023,593) 2020-05-12
[30] US (63/043,562) 2020-06-24
[30] US (63/038,488) 2020-06-12
[30] US (63/152,042) 2021-02-22
[30] US (63/079,299) 2020-09-16

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[13] A1
[25] EN
[54] **RATE CARD MANAGEMENT**
[54] **GESTION DE CARTE DE DEBIT**
[72] MENIPAZ, AMIT, US
[72] TUBILLA, FERNANDO, US
[72] SIDORSKY, MISHA, US
[72] HUNTER, JOHN RICHARD, US
[72] KLEIN, KEARNEY, US
[72] LUTHER, ANDREW A., US
[72] KABRICH, NICK, US
[72] CONRAD, ADAM, US
[72] DAVIS-COOKE, JASON, US
[72] POLLARD, JORDAN LEE, US
[71] INDIGO AG, INC., US
[85] 2022-10-31
[86] 2021-04-30 (PCT/US2021/030243)
[87] (WO2021/222795)
[30] US (63/019,122) 2020-05-01

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[51] **Int.Cl. A61F 2/16 (2006.01) A61F 9/00 (2006.01) A61F 9/007 (2006.01) A61F 9/011 (2006.01) G02C 7/04 (2006.01) G02C 7/06 (2006.01) G02C 7/08 (2006.01)**
[25] EN
[54] **INTRAOCULAR PSEUDOPHAKIC CONTACT LENS (IOPCL)-BASED TELESCOPIC APPROACH FOR TREATING AGE-RELATED MACULAR DEGENERATION (AMD) OR OTHER EYE DISORDERS**
[54] **APPROCHE TELESCOPIQUE BASEE SUR UNE LENTILLE DE CONTACT INTRAOCULAIRE PSEUDOPHAKIQUE (IOPCL) POUR LE TRAITEMENT DE LA DEGENERESCENCE MACULAIRE LIEE A L'AGE (AMD) OU D'AUTRES TROUBLES OCULAIRE**
[72] CADY, KEVIN J., US
[72] WALTZ, KEVIN L., US
[71] ONPOINT VISION, INC., US
[85] 2022-10-31
[86] 2021-06-17 (PCT/US2021/037911)
[87] (WO2022/026077)
[30] US (63/057,738) 2020-07-28
[30] US (17/332,533) 2021-05-27

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[51] **Int.Cl. B32B 7/027 (2019.01) B32B 1/08 (2006.01) B32B 5/32 (2006.01)**
[25] EN
[54] **HIGH-TEMPERATURE, THERMALLY-INSULATIVE LAMINATES INCLUDING AEROGEL LAYERS**
[54] **STRATIFIES THERMIQUEMENT ISOLANTS A HAUTE TEMPERATURE COMPRENANT DES COUCHES D'AEROGEL**
[72] KAGUMBA, LAWINO, US
[72] SNAPP-LEO, MARISA, US
[72] POE, GARRETT, US
[71] BLUESHIFT MATERIALS, INC., US
[85] 2022-10-31
[86] 2021-05-17 (PCT/US2021/032718)
[87] (WO2021/231998)
[30] US (63/025,953) 2020-05-15

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C12Q 1/6809 (2018.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **SELECTION OF IMPROVED TUMOR REACTIVE T-CELLS**
[54] **SELECTION DE LYMPHOCYTES T REACTIFS A UNE TUMEUR AMELIORES**
[72] SIMPSON-ABELSON, MICHELLE, US
[72] NATARAJAN, ARVIND, US
[71] IOVANCE BIOTHERAPEUTICS, INC., US
[85] 2022-10-31
[86] 2021-05-04 (PCT/US2021/030655)
[87] (WO2021/226085)
[30] US (63/019,907) 2020-05-04
[30] US (63/146,400) 2021-02-05

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[51] **Int.Cl. A01M 29/08 (2011.01)**
[25] EN
[54] **WINDOW UNIT HAVING UV REFLECTING COATING WITH HIGH CONTRAST RATIO AT LARGE VIEWING ANGLES FOR REDUCING BIRD COLLISIONS**
[54] **UNITE DE FENETRE COMPORTANT UN REVETEMENT REFLECHISSANT LES UV A RAPPORT DE CONTRASTE ELEVE ET GRANDS ANGLES DE VISUALISATION POUR REDUIRE LES COLLISIONS D'OISEAUX**
[72] WUILLAUME, FRANCIS, US
[72] WENG, JIAN-GANG, US
[71] GUARDIAN GLASS, LLC., US
[85] 2022-10-31
[86] 2021-07-09 (PCT/US2021/041014)
[87] (WO2021/258082)
[30] US (16/906,394) 2020-06-19

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[13] A1
[51] **Int.Cl. A61K 41/00 (2020.01)**
[25] EN
[54] **METHODS OF TREATING ACUTE RESPIRATORY DISTRESS SYNDROME WITH ACTIVATORS OF TIE-2**
[54] **METHODES DE TRAITEMENT DU SYNDROME DE DETRESSE RESPIRATOIRE AIGUE AVEC DES ACTIVATEURS DE TIE-2**
[72] PETERS, KEVIN, US
[71] EYEPOINT PHARMACEUTICALS, INC., US
[85] 2022-10-31
[86] 2021-05-20 (PCT/US2021/033495)
[87] (WO2021/236985)
[30] US (63/028,317) 2020-05-21

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[51] **Int.Cl. E21B 47/113 (2012.01) E21B 47/017 (2012.01) E21B 47/11 (2012.01) E21B 47/01 (2012.01) G01P 5/20 (2006.01)**
[25] EN
[54] **VISIBLE/IR CAMERA-BASED MULTI-PHASE FLOW SENSOR FOR DOWNHOLE MEASUREMENTS IN OIL PIPES**
[54] **CAPTEUR D'ECOULEMENT A PLUSIEURS PHASES BASE SUR UNE CAMERA EN LUMIERE VISIBLE/IR ET PERMETTANT DES MESURES DE FOND DE TROU DANS DES TUYAUX DE PETROLE**
[72] FRADET, MATHIEU, US
[72] BRIGGS, RYAN M, US
[72] DEL CASTILLO, LINDA Y, US
[72] RAIS-ZADEH, MINA, US
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
[85] 2022-10-31
[86] 2021-06-11 (PCT/US2021/036935)
[87] (WO2021/257391)
[30] US (63/039,591) 2020-06-16

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[13] A1
[51] **Int.Cl. G06N 10/00 (2022.01) G06N 3/02 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IMPROVING AN ESTIMATION OF A PROPERTY OF A QUANTUM STATE**
[54] **PROCEDES ET SYSTEMES D'AMELIORATION D'ESTIMATION D'UNE PROPRIETE D'UN ETAT QUANTIQUE**
[72] HOPFMUELLER, FLORIAN, CA
[72] BENNEWITZ, ELIZABETH ROBERTS, CA
[72] KULCHYTSKYY, BOHDAN, CA
[72] CARRASQUILLA ALVAREZ, JUAN FELIPE, CA
[72] RONAGH, POOYA, CA
[71] 1QB INFORMATION TECHNOLOGIES INC., CA
[85] 2022-10-31
[86] 2021-06-02 (PCT/CA2021/050750)
[87] (WO2021/243454)
[30] US (63/034,558) 2020-06-04
[30] US (63/144,173) 2021-02-01

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[51] **Int.Cl. A61K 31/403 (2006.01) A61K 31/404 (2006.01) A61K 31/407 (2006.01) A61K 31/4178 (2006.01) A61K 31/424 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61P 1/00 (2006.01) A61P 3/12 (2006.01) A61P 9/00 (2006.01) A61P 11/06 (2006.01) A61P 13/10 (2006.01) A61P 25/00 (2006.01) A61P 43/00 (2006.01) C07D 209/04 (2006.01) C07D 209/34 (2006.01) C07D 209/42 (2006.01) C07D 401/04 (2006.01) C07D 401/10 (2006.01) C07D 471/04 (2006.01) C07D 491/107 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **MAXI-K POTASSIUM CHANNEL OPENERS FOR THE TREATMENT OF FRAGILE X ASSOCIATED DISORDERS**
[54] **NOUVEAUX AGENTS D'OUVERTURE DU CANAL POTASSIQUE MAXI-K POUR LE TRAITEMENT DE TROUBLES ASSOCIES AU X FRAGILE**
[72] FLECK, ROMAN, US
[72] PROUDFOOT, JOHN, US
[71] KAERUS BIOSCIENCE LIMITED, GB
[85] 2022-10-31
[86] 2021-05-20 (PCT/EP2021/063463)
[87] (WO2021/234084)
[30] EP (20175820.8) 2020-05-20

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[13] A1
[51] **Int.Cl. B01J 23/42 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01) H01M 4/86 (2006.01) H01M 4/88 (2006.01) H01M 4/90 (2006.01) H01M 4/92 (2006.01) H01M 8/1018 (2016.01)**
[25] EN
[54] **CATALYST PREPARATION**
[54] **PREPARATION DE CATALYSEUR**
[72] MARTINEZ BONASTRE, ALEJANDRO, GB
[72] SPIKES, GEOFFREY, GB
[71] JOHNSON MATTHEY HYDROGEN TECHNOLOGIES LIMITED, GB
[85] 2022-10-31
[86] 2021-07-06 (PCT/GB2021/051711)
[87] (WO2022/008894)
[30] GB (2010406.3) 2020-07-07

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[51] **Int.Cl. E04F 15/02 (2006.01) E04F 21/00 (2006.01) E04F 21/18 (2006.01) E04F 21/22 (2006.01)**
[25] EN
[54] **LEVELER FOR TILES**
[54] **DISPOSITIF DE MISE A NIVEAU POUR CARREAUX**
[72] CIPRIANI, ZENO, IT
[71] DAKOTA GROUP S.A.S. DI ZENO CIPRIANI & C., IT
[85] 2022-10-31
[86] 2021-04-30 (PCT/IB2021/053609)
[87] (WO2021/220232)
[30] IT (102020000009568) 2020-04-30

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[13] A1
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 45/00 (2006.01) G01C 5/06 (2006.01)**
[25] EN
[54] **DRILLING RATE OF PENETRATION**
[54] **VITESSE DE PENETRATION DE FORAGE**
[72] STEWART, GORDON, AU
[71] GLOBALTECH CORPORATION PTY LTD, AU
[85] 2022-10-31
[86] 2021-05-04 (PCT/AU2021/050410)
[87] (WO2021/222977)
[30] AU (2020901410) 2020-05-04

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[13] A1
[51] **Int.Cl. E02F 9/24 (2006.01) B60T 1/00 (2006.01) B60T 8/17 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRACTION LOCK ENGAGEMENT CONTROL FOR A POWER MACHINE**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE MISE EN PRISE DE VERROUILLAGE DE TRACTION POUR UNE MACHINE ELECTRIQUE**
[72] GAPINSKI, AUSTIN, US
[72] UHRIG, CHANCE, US
[72] ZACHMANN, BOSTON, US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2022-10-31
[86] 2021-04-29 (PCT/US2021/029945)
[87] (WO2021/222605)

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[13] A1
[51] **Int.Cl. G21C 15/00 (2006.01) G21C 15/18 (2006.01) G21C 15/257 (2006.01)**
[25] EN
[54] **COMPACT PASSIVE DECAY HEAT REMOVAL SYSTEM FOR TRANSPORTABLE MICRO-REACTOR APPLICATIONS**
[54] **SYSTEME COMPACT D'ELIMINATION DE LA CHALEUR DE DESINTEGRATION PASSIVE POUR DES APPLICATIONS DE MICRO-REACTEURS TRANSPORTABLES**
[72] SWARTZ, MATTHEW M., US
[72] TRUPIANO, ANTHONY G., US
[72] VAN WYK, JURIE J., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2022-10-31
[86] 2021-04-19 (PCT/US2021/027950)
[87] (WO2021/221940)
[30] US (63/018,539) 2020-05-01

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[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61P 31/10 (2006.01)**
[25] EN
[54] **ANTIFUNGAL PRODRUGS**
[54] **PROMEDICAMENTS ANTIFONGIQUES**
[72] TESSIER, ARNAUD, FR
[72] LE PAPE, PATRICE, FR
[72] LEBRETON, JACQUES, FR
[72] PAGNIEZ, FABRICE, FR
[72] GRATIEN, GILLES-OLIVIER, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] NANTES UNIVERSITE, FR
[85] 2022-10-31
[86] 2021-05-28 (PCT/EP2021/064441)
[87] (WO2021/239992)
[30] EP (20305562.9) 2020-05-29

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[13] A1
[51] **Int.Cl. F03D 1/06 (2006.01) F03D 13/10 (2016.01) F03D 13/20 (2016.01)**
[25] EN
[54] **WIND TURBINE BLADE LIFTING DEVICE**
[54] **DISPOSITIF DE LEVAGE DE PALE D'EOLIENNE**
[72] REYNOLDS, KEVIN, US
[72] SHAW, WILLIAM, US
[71] BARNHART CRANE AND RIGGING CO., US
[85] 2022-10-31
[86] 2021-05-05 (PCT/US2021/030910)
[87] (WO2021/226250)
[30] US (63/020,220) 2020-05-05

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[13] A1
[51] **Int.Cl. A61L 2/16 (2006.01) A01N 25/02 (2006.01) A01N 59/00 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONTROLLING THE PRODUCTION OF A HALOAMINE BIOCIDE**
[54] **PROCEDE ET APPAREIL POUR COMMANDER LA PRODUCTION D'UN BIOCIDE A BASE D'HALOGENOAMINE**
[72] CAREY, WILLIAM SEAN, US
[72] CHEBI, PATRICK, US
[72] PETRILLO, STEVEN, US
[71] SOLENIS TECHNOLOGIES, L.P., US
[85] 2022-10-31
[86] 2021-04-29 (PCT/US2021/029791)
[87] (WO2021/222498)
[30] US (63/017,205) 2020-04-29

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 31/498 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **CLOFAZIMINE COMPOSITION AND METHOD FOR THE TREATMENT OR PROPHYLAXIS OF VIRAL INFECTIONS**
[54] **COMPOSITION DE CLOFAZIMINE ET PROCEDE DE TRAITEMENT OU DE PROPHYLAXIE D'INFECTIONS VIRALES**
[72] HOFMANN, THOMAS, US
[72] UFER, STEFAN, US
[72] FREEMAN, JOHN J. JR., US
[71] MANNKIND CORPORATION, US
[85] 2022-10-31
[86] 2021-04-30 (PCT/US2021/030155)
[87] (WO2021/222740)
[30] US (63/018,677) 2020-05-01

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[13] A1
[51] **Int.Cl. H04N 21/43 (2011.01) H04N 21/426 (2011.01) H04N 21/433 (2011.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SYNCHRONIZED VIEWING OF CONTENT OVER MULTIPLE REMOTE MEDIA PLAY DEVICES**
[54] **PROCEDE ET SYSTEME DE VISUALISATION SYNCHRONISEE DE CONTENU SUR DE MULTIPLES DISPOSITIFS DE LECTURE DE CONTENU MULTIMEDIA DISTANTS**
[72] EPSTEIN, SCOTT R., US
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-10-31
[86] 2021-04-30 (PCT/US2021/030056)
[87] (WO2021/222683)
[30] US (63/018,755) 2020-05-01

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[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/14 (2012.01) G06Q 20/32 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING FINANCIAL TRANSACTIONS USING COMPROMISED ACCOUNTS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE TRANSACTIONS FINANCIERES EN UTILISANT DES COMPTES COMPROMIS**
[72] BERGER, JONATHAN, US
[72] CAPLAN, CHARLES, US
[72] CHARLES, RACHAEL, US
[72] CHILDRESS, JEN, US
[72] FLAIG, STEVEN, US
[72] GATES, ANDREW, US
[72] HYBERTSON, TRACE, US
[72] WOLLNER, ZEBULON, US
[71] FIDELITY INFORMATION SERVICES, LLC., US
[85] 2022-10-31
[86] 2021-04-28 (PCT/US2021/029579)
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[30] US (16/862,344) 2020-04-29

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[54] **IL4I1 INHIBITORS AND METHODS OF USE**
[54] **INHIBITEURS D'IL4I1 ET PROCEDES D'UTILISATION**
[72] CASH, BRANDON D., US
[72] FU, WENLANG, US
[72] GIAMBASU, GEORGE MADALIN, US
[72] HAIDLE, ANDREW M., US
[72] HOPKINS, BRETT A., US
[72] LARSEN, MATTHEW A., US
[72] LESBURG, CHARLES A., US
[72] LIU, PING, US
[72] MCGOWAN, MEREDETH A., US
[72] PU, QINGLIN, US
[72] SANYAL, SULAGNA, US
[72] SILIPHAIVANH, PHIENG, US
[72] WHITE, CATHERINE M., US
[72] YAN, XIN, US
[71] MERCK SHARP & DOHME LLC, US
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[51] **Int.Cl. C23C 8/26 (2006.01) C23C 8/50 (2006.01)**
[25] EN
[54] **STEEL SHEET AND METHOD FOR PRODUCING A STEEL SHEET FOR PACKAGING**
[54] **TOLE D'ACIER ET PROCEDE DE PRODUCTION D'UNE TOLE D'ACIER POUR EMBALLAGE**
[72] PORZGEN, LAURA, DE
[72] KOHL, MANUEL, DE
[72] SCHMALENBACH, PHILIPP, DE
[72] KAUP, BURKHARD, DE
[71] THYSSENKRUPP RASSELSTEIN GMBH, DE
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[54] **USE OF EZH2 INHIBITORS FOR TREATING CANCER**
[54] **UTILISATION D'INHIBITEURS D'EZH2 POUR TRAITER UN CANCER**
[72] CAMPBELL, CARLY, US
[72] COSMOPOULOS, KAT, US
[72] MCDONALD, ALICE, US
[72] MERCHANT, MELINDA, US
[72] MICHAUD, NEIL, US
[72] SZANTO, ATTILA, US
[71] EPIZYME, INC., US
[85] 2022-10-31
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[54] **HEAT STORE WITH RAILS AS HEAT-STORAGE BODIES**
[54] **ACCUMULATEUR DE CHALEUR DOTE DE RAILS EN TANT QUE CORPS DE STOCKAGE DE CHALEUR**
[72] KORDT, PETER, DE
[72] PIEREDER, HERBERT, DE
[71] LUMENION GMBH, DE
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[54] **ACTIVELY-CONTROLLED POWER TRANSFORMER AND METHOD FOR CONTROLLING**
[54] **TRANSFORMATEUR DE PUISSANCE A COMMANDE ACTIVE ET PROCEDE DE COMMANDE**
[72] KUZNETSOV, STEPHEN B., US
[71] RAYTHEON COMPANY, US
[85] 2022-10-31
[86] 2021-04-09 (PCT/US2021/026692)
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[54] **SUPPORT SYSTEMS FOR SUPPORTING EQUIPMENT**
[54] **SYSTEMES DE SUPPORT POUR EQUIPEMENT DE SUPPORT**
[72] BOUCHARD, CARL, CA
[71] TECHNOLOGIES CGC INC., CA
[85] 2022-10-31
[86] 2021-05-25 (PCT/CA2021/050706)
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[54] **METHODS OF TREATING INFECTIONS**
[54] **METHODES DE TRAITEMENT D'INFECTIONS**
[72] GRUBER, LEWIS S., US
[71] SIWA CORPORATION, US
[85] 2022-10-31
[86] 2021-04-30 (PCT/US2021/030184)
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[30] US (63/019,139) 2020-05-01
[30] US (63/109,757) 2020-11-04

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[51] **Int.Cl. B32B 37/12 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR CONTROLLED DELIVERY OF A SEALANT**
[54] **DISPOSITIFS ET APPAREIL PERMETTANT LA DISTRIBUTION REGULEE D'UN PRODUIT D'ETANCHEITE**
[72] FLAHERTY, J. CHRISTOPHER, US
[72] AMATO, ANTONINO, IT
[72] SCHENSE, JASON, IT
[72] ROMANELLI, MASSIMO, IT
[72] CONSTANTINO, MARIA L., IT
[72] DE GAETANO, FRANCESCO, IT
[72] OSOULI, KASRA, IT
[71] BETAGLUE TECHNOLOGIES S.P.A., IT
[71] POLITECNICO DI MILANO, IT
[71] FLAHERTY, J. CHRISTOPHER, US
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[54] **ELECTRO-OPTIC DISPLAYS, AND METHODS FOR DRIVING SAME**
[54] **DISPOSITIFS D'AFFICHAGE ELECTRO-OPTIQUES ET LEURS PROCEDES D'EXCITATION**
[72] PAYDAVOSI, SARAH, US
[72] BEN-DOV, YUVAL, US
[71] E INK CORPORATION, US
[85] 2022-10-31
[86] 2021-06-04 (PCT/US2021/035885)
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[54] **SUBSTITUTED PYRAZOLYL COMPOUNDS AND METHODS OF USE THEREOF**
[54] **COMPOSES PYRAZOLYLE SUBSTITUES ET LEURS METHODES D'UTILISATION**
[72] POWELL, DAVID ANDREW, CA
[72] BOILY, MARC-OLIVIER, CA
[72] DING, JINYUE, CA
[72] GOMEZ, ROBERT, CA
[72] SHENG, TAO, CA
[71] CHINOOK THERAPEUTICS CANADA, INC., CA
[85] 2022-10-31
[86] 2021-05-17 (PCT/IB2021/054229)
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[54] **SYSTEM AND METHOD FOR QUERY AUTHORIZATION AND RESPONSE GENERATION USING MACHINE LEARNING**
[54] **SYSTEME ET PROCEDE D'AUTORISATION D'INTERROGATION ET DE GENERATION DE REPONSE A L'AIDE DE L'APPRENTISSAGE MACHINE**
[72] GOMES, GUILHERME, BR
[72] APEL, BRUNO, BR
[72] SILVA, JARISMAR, BR
[72] KELLERS, VINCENT, US
[72] DIAS, ROBERTO RODRIGUES, BR
[72] MASIERO, ROBERTO, US
[72] SILVEIRA, ROBERTO, BR
[71] AUTOMATIC DATA PROCESSING, INC., US
[85] 2022-10-31
[86] 2021-04-28 (PCT/US2021/029625)
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[54] **DEUTERATED TRYPTAMINE DERIVATIVES AND METHODS OF USE**
[54] **DERIVES DE TRYPTAMINE DEUTERES ET PROCEDES D'UTILISATION**
[72] NIVOROZHKIN, ALEX, US
[72] PALFREYMAN, MICHAEL, US
[71] CYBIN IRL LIMITED, IE
[85] 2022-10-31
[86] 2021-05-19 (PCT/IB2021/054340)
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[25] EN
[54] **BRACKETS FOR PORTABLE EQUIPMENT**
[54] **SUPPORTS POUR EQUIPEMENT PORTABLE**
[72] BOUCHARD, CARL, CA
[71] TECHNOLOGIES CGC INC., CA
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[54] **VEHICLE SHIELDS AND SUPPORTS**
[54] **PROTECTIONS ET SUPPORTS DE VEHICULE**
[72] ASHMAN, DANNY NATHAN, CA
[72] ASHMAN, SHAUN PATRICK, US
[71] AC GLOBAL SYSTEMS LTD., CA
[85] 2022-10-31
[86] 2021-05-21 (PCT/IB2021/054445)
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[30] CA (3,081,310) 2020-05-22
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[54] **ANTI-VIRAL DRY CLEANING PROCESS**
[54] **PROCEDE DE NETTOYAGE A SEC ANTIVIRAL**
[72] BENJAMIN, RONALD, US
[72] LIEN, ANDREW, US
[72] MAXWELL, TIMOTHY, US
[71] GREENEARTH CLEANING, LLC, US
[85] 2022-10-31
[86] 2021-04-30 (PCT/US2021/030237)
[87] (WO2021/225897)
[30] US (63/021,788) 2020-05-08
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[25] EN
[54] **A NOVEL METHOD FOR CARRYING BIOACTIVE MOLECULES USING NANOCARRIERS**
[54] **NOUVEAU PROCEDE DE TRANSPORT DE MOLECULES BIOACTIVES A L'AIDE DE NANOSUPPORTS**
[72] OZMEN, ZEKERIYA, TR
[71] OZMEN, ZEKERIYA, TR
[85] 2022-10-31
[86] 2021-04-28 (PCT/TR2021/050402)
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[30] TR (2020/07135) 2020-05-07

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[51] **Int.Cl. H01M 10/0565 (2010.01) H01M 10/0562 (2010.01) H01M 50/411 (2021.01) H01M 50/44 (2021.01)**
[25] EN
[54] **ADVANCED SOLID ELECTROLYTE MEMBRANES AND BATTERIES MADE THEREFROM**
[54] **MEMBRANES PERFECTIONNEES POUR ELECTROLYTES SOLIDES ET BATTERIES LES CONTENANT**
[72] CHO, SUNGJIN, US
[72] CHO, JONGSOO, US
[71] SOELECT INC., US
[85] 2022-10-31
[86] 2021-04-28 (PCT/US2021/029511)
[87] (WO2021/225831)
[30] US (63/019,724) 2020-05-04

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[25] EN
[54] **DRUG DELIVERY SYSTEM FOR THE DELIVERY OF ANTIVIRAL AGENTS AND CONTRACEPTIVES**
[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT POUR L'ADMINISTRATION D'AGENTS ANTIVIRAUX ET DE CONTRACEPTIFS**
[72] GILES, MORGAN B., US
[72] FORSTER, SETH P., US
[72] BARRETT, STEPHANIE ELIZABETH, US
[72] KOYNOV, ATHANAS, US
[72] TELLER, RYAN S., US
[71] MERCK SHARP & DOHME LLC, US
[85] 2022-10-31
[86] 2021-04-30 (PCT/US2021/030032)
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[30] US (63/020,292) 2020-05-05

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[54] **MODIFIED GUIDE RNAS FOR CRISPR GENOME EDITING**
[54] **ARN GUIDES MODIFIES POUR EDITION DE GENOME CRISPR**
[72] SONTHEIMER, ERIK JOSEPH, US
[72] KHVOROVA, ANASTASIA, US
[72] WATTS, JONATHAN KENNETH, US
[72] AMRANI, NADIA, US
[72] CHEN, ZEXIANG, US
[72] HASSLER, MATTHEW, US
[72] MORENO, DIMAS ECHEVERRIA, US
[72] ALTERMAN, JULIA FRANCES, US
[72] WOLFE, SCOT, US
[72] YAMADA, KEN, US
[72] DEVI, GITALI, US
[72] ZHANG, HAN, US
[71] UNIVERSITY OF MASSACHUSETTS, US
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[51] **Int.Cl. B65G 1/04 (2006.01) B25J 5/02 (2006.01)**
[25] EN
[54] **CONTAINER HANDLING VEHICLE**
[54] **VEHICULE DE MANUTENTION DE CONTENEUR**
[72] AUSTRHEIM, TROND, NO
[72] MÆHLE, OLE ALEXANDER, NO
[72] FAGERLAND, INGVAR, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2022-10-31
[86] 2021-05-18 (PCT/EP2021/063130)
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[30] NO (20200612) 2020-05-25

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[54] **METHOD FOR FORWARDING PACKET IN SR NETWORK, DEVICE, AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSFERT DE MESSAGE DANS UN RESEAU SR**
[72] HU, ZHIBO, CN
[72] LI, CHENG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-10-31
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[30] CN (201910819877.6) 2019-08-31
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[54] **SYSTEM AND METHODS FOR ROBOTIC PROCESS AUTOMATION**
[54] **SYSTEME ET PROCEDES D'AUTOMATISATION DE PROCESSUS ROBOTIQUE**
[72] CALI, JACQUES, GB
[72] DUBBA, KRISHNA, GB
[72] CARR, BEN, GB
[72] CUCURULL, GUILLEM, GB
[72] AKTAS, UMIT RUSEN, GB
[71] BLUE PRISM LIMITED, GB
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[86] 2020-05-01 (PCT/EP2020/062199)
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[25] EN
[54] **BIOINSPIRED CHEMICAL ADDITIVES AND SOLUTION USEFUL FOR HYDRAULIC-CEMENT CONCRETES AND THE METHODS FOR MAKING THE SAME THEREOF**
[54] **ADDITIFS CHIMIQUES BIOINSPIRES ET SOLUTION UTILES POUR LES CIMENTS HYDRAULIQUES ET LEURS PROCEDES DE FABRICATION**
[72] LIU, FEIPENG, US
[72] LAI, YUNING, US
[71] LIU, FEIPENG, US
[71] LAI, YUNING, US
[85] 2022-10-31
[86] 2022-02-25 (PCT/US2022/017816)
[87] (WO2022/211938)
[30] US (17/190,533) 2021-03-30
[30] US (PCT/US2021/027426) 2021-04-15
[30] US (63/179,634) 2021-04-26
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[54] **DISPOSITIF ELECTRODE**
[72] JEONG, CHANG WOOK, KR
[72] CHANG, SEOK JOO, KR
[72] JO, SEOK HYEON, KR
[72] BACH, DU JIN, KR
[71] DEEPQURE INC., KR
[85] 2022-10-31
[86] 2020-12-10 (PCT/KR2020/018057)
[87] (WO2022/119032)
[30] KR (10-2020-0167806) 2020-12-03

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[54] **CLICK OMVS**
[54] **OMV DE CHIMIE CLICK**
[72] VAN DER LEY, PETER ANDRE, NL
[72] ZARIRI, AFSHIN, NL
[72] PHIELIX, COEN PETER, NL
[72] KRUISWIJK, CORNELIA PIA, NL
[71] INTRAVACC B.V., NL
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[86] 2021-05-07 (PCT/EP2021/062092)
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[30] EP (20173663.4) 2020-05-08

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[51] **Int.Cl. G01T 1/29 (2006.01)**
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[54] **PET SYSTEM WITH MECHANICAL MOVEMENT OF RIGID DETECTORS FOR OPTIMIZED IMAGING**
[54] **SYSTEME PET AVEC MOUVEMENT MECANIQUE DE DETECTEURS RIGIDES POUR IMAGERIE OPTIMISEE**
[72] SCHELLENBERG, JAMES, CA
[72] SAUNDERS, JOHN, CA
[71] SINO CANADA HEALTH INSTITUTE INC., CA
[85] 2022-10-31
[86] 2021-07-15 (PCT/CA2021/050978)
[87] (WO2022/020939)
[30] US (63/056,798) 2020-07-27

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[25] EN
[54] **NEUROKININ (NK)-1 RECEPTOR ANTAGONISTS FOR USE IN THE TREATMENT OF PULMONARY FIBROSIS CONDITIONS PROMOTED BY MECHANICAL INJURY TO THE LUNGS**
[54] **ANTAGONISTES DU RECEPTEUR DE LA NEUROKININE (NK)-1 DESTINES A ETRE UTILISES DANS LE TRAITEMENT D'ETATS DE FIBROSE PULMONAIRE FAVORISES PAR UNE LESION MECANIQUE DES POUMONS**
[72] TROWER, MIKE, GB
[72] PAWSEY, STEPHEN, GB
[72] KERR, MARY, GB
[71] NERRE THERAPEUTICS LIMITED, GB
[85] 2022-10-31
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[30] US (63/033,279) 2020-06-02

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[25] EN
[54] **METHODS AND COMPOSITIONS FOR SIMULTANEOUS EDITING OF BOTH STRANDS OF A TARGET DOUBLE-STRANDED NUCLEOTIDE SEQUENCE**
[54] **METHODES ET COMPOSITIONS D'EDITION SIMULTANEE DES DEUX BRINS D'UNE SEQUENCE NUCLEOTIDIQUE DOUBLE BRIN CIBLE**
[72] LIU, DAVID R., US
[72] ANZALONE, ANDREW VITO, US
[72] LEVY, JONATHAN MA, US
[72] GAO, XIN, US
[72] PODRACKY, CHRISTOPHER J., US
[71] THE BROAD INSTITUTE, INC., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2022-10-31
[86] 2021-05-07 (PCT/US2021/031439)
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[30] US (63/022,397) 2020-05-08
[30] US (63/116,785) 2020-11-20

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[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/26 (2015.01) A61P 31/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TCR REPROGRAMMING USING CD70 SPECIFIC FUSION PROTEINS**
[54] **COMPOSITIONS ET PROCEDES POUR LA REPROGRAMMATION DE TCR AU MOYEN DE PROTEINES DE FUSION SPECIFIQUES CD70**
[72] HOFMEISTER, ROBERT, US
[72] COLLARD, ANDREW, US
[72] LAJOIE, JASON, US
[72] ASHMINOVA, VANIA E., US
[72] LOFGREN, MICHAEL, US
[72] WATT, AMY, US
[72] MCCARTHY, DERRICK, US
[72] TIGHE, ROBERT, US
[71] TCR2 THERAPEUTICS INC., US
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[30] US (63/020,196) 2020-05-05
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[51] **Int.Cl. G16H 50/20 (2018.01) G16H 50/50 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING A SOFTWARE-IMPLEMENTED MODULE FOR DETERMINING AN ANALYTE VALUE, COMPUTER PROGRAM PRODUCT, AND METHOD AND SYSTEM FOR DETERMINING AN ANALYTE VALUE**
[54] **PROCEDE ET SYSTEME POUR GENERER UN MODULE MIS EN ?UVRE PAR LOGICIEL POUR DETERMINER UNE VALEUR D'ANALYTE, PRODUIT DE PROGRAMME INFORMATIQUE, ET PROCEDE ET SYSTEME POUR DETERMINER UNE VALEUR D'ANALYT**
[72] BECKA, LARISSA, DE
[72] BUSSER, ALEXANDER, CH
[72] HUSCHTO, TONY, DE
[72] KLOPFENSTEIN, YANNICK, CH
[72] MESTERHAZY, DAVID, DE
[72] RINDERKNECHT, MIKE, CH
[72] RINGEMANN, CHRISTIAN, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-11-01
[86] 2021-05-17 (PCT/EP2021/063009)
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[51] **Int.Cl. A61K 31/4184 (2006.01) A61K 31/437 (2006.01) A61K 31/52 (2006.01) A61P 31/18 (2006.01)**
[25] FR
[54] **COMPOUNDS FOR USE IN THE REACTIVATION OF HIV IN LATENT HIV-INFECTED CELLS**
[54] **COMPOSES POUR LEUR UTILISATION POUR LA REACTIVATION DU VIH DANS DES CELLULES LATENTES INFECTEES PAR LE VIH**
[72] BEAUMELLE, BRUNO, FR
[72] CHALOIN, LAURENT, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[85] 2022-11-01
[86] 2021-05-18 (PCT/EP2021/063206)
[87] (WO2021/233950)
[30] FR (FR2005250) 2020-05-20

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[51] **Int.Cl. A61K 31/4045 (2006.01) A61K 31/437 (2006.01) A61P 25/18 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND KITS OF PARTS COMPRISING N,N-DIMETHYLTRYPTAMINE AND HARMINE AND THEIR USE IN THERAPY**
[54] **COMPOSITIONS ET KITS DE PIECES COMPRENANT DE LA N, N-DIMETHYLTRYPTAMINE ET DE LA HARMINE ET LEUR UTILISATION EN THERAPIE**
[72] DORNBIERER, DARIO, CH
[72] KOSANIC, DAVOR, CH
[72] SCHEIDEGGER, MILAN, CH
[71] UNIVERSITY OF ZURICH, CH
[85] 2022-11-01
[86] 2021-06-22 (PCT/EP2021/067051)
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[30] EP (20181489.4) 2020-06-22

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[13] A1
[51] **Int.Cl. A61K 47/28 (2006.01)**
[25] EN
[54] **SYNTHETIC LIPID-LIKE MATERIALS FOR BRAIN DELIVERY**
[54] **MATERIAUX SYNTHETIQUES DE TYPE LIPIDES POUR ADMINISTRATION AU CERVEAU**
[72] XU, QIAOBING, US
[71] TRUSTEES OF TUFTS COLLEGE, US
[85] 2022-11-01
[86] 2021-05-04 (PCT/US2021/030664)
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[30] US (63/019,530) 2020-05-04

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[13] A1
[51] **Int.Cl. A61B 5/117 (2016.01) G06K 7/00 (2006.01) G06K 19/00 (2006.01)**
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[54] **DENTAL BONDED VENEER IDENTIFICATION DEVICE**
[54] **DISPOSITIF D'IDENTIFICATION DE FACETTE PROTHETIQUE COLLEE**
[72] FRATANTONIO, NICHOLAS R., US
[71] FRATANTONIO, NICHOLAS R., US
[85] 2022-11-01
[86] 2021-05-07 (PCT/US2021/031270)
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[30] US (63/028,603) 2020-05-22

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[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01) C07K 14/71 (2006.01) C07K 14/715 (2006.01) C07K 14/72 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **INTEGRAL MEMBRANE PROTEIN DISPLAY ON POXVIRUS EXTRACELLULAR ENVELOPED VIRIONS**
[54] **PRESENTATION DE PROTEINE INTRINSEQUE SUR DES VIRIONS A ENVELOPPE EXTRACELLULAIRE DE POXVIRUS**
[72] SMITH, ERNEST S., US
[72] SCRIVENS, MARIA G.M., US
[72] MUELLER, LORETTA, US
[72] SHI, SHUYING, US
[72] BALCH, LESLIE A., US
[71] VACCINEX, INC., US
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[86] 2021-05-05 (PCT/US2021/030781)
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[51] **Int.Cl. A61B 17/32 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **A CUTTING ASSEMBLY AND A DRIVE ASSEMBLY FOR A SURGICAL INSTRUMENT**
[54] **ENSEMBLE DE COUPE ET ENSEMBLE D'ENTRAINEMENT POUR INSTRUMENT CHIRURGICAL**
[72] O'SHEA, CONOR, IE
[72] BROWNE, JONATHAN, IE
[72] O'CARROLL, EMMA, IE
[72] O'HENEY, ADRIAN PAUL, IE
[72] LANGAN, COLIN, IE
[72] WHITFORD, ALAN PETER, IE
[72] CURTIN, DAMIAN MICHAEL, IE
[71] STRYKER EUROPEAN OPERATIONS LIMITED, IE
[85] 2022-11-01
[86] 2021-05-06 (PCT/IB2021/053861)
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[30] US (63/021,141) 2020-05-07

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[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/05 (2006.01) A61K 31/7076 (2006.01)**
[25] EN
[54] **ADEMETIONINE AND CANNABIDIOL BASED SOLID PHARMACEUTICAL COMPOSITION AND METHOD FOR PREPARING IT**
[54] **COMPOSITION PHARMACEUTIQUE SOLIDE A BASE D'ADEMETIONINE ET DE CANNABIDIOL ET SON PROCEDE DE PREPARATION**
[72] BASILE, MARIO ANTONIO, IT
[71] BASILE, MARIO ANTONIO, IT
[85] 2022-11-01
[86] 2021-12-15 (PCT/IB2021/061748)
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[51] **Int.Cl. A23K 20/10 (2016.01) A23K 10/12 (2016.01) A23C 9/12 (2006.01) A23C 21/02 (2006.01) A61K 31/137 (2006.01) A61K 31/138 (2006.01) A61K 31/198 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR SOLIDIFIED FERMENTED ANIMAL FEED**
[54] **COMPOSITIONS ET PROCEDES POUR ALIMENTATION ANIMALE FERMENTEE SOLIDIFIEE**
[72] ARNOLD, TONY, US
[72] DE VETH, MICHAEL, US
[72] HANKE, AARON, US
[72] POPPY, GERALD, US
[72] WINDHAM, BRANT, US
[71] PACKERLAND WHEY PRODUCTS D/B/A FERMENTED NUTRITION, US
[85] 2022-11-01
[86] 2021-04-30 (PCT/US2021/030281)
[87] (WO2021/222817)
[30] US (63/018,957) 2020-05-01

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[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G16H 40/63 (2018.01) G16H 50/80 (2018.01) G07C 9/20 (2020.01) G07C 9/26 (2020.01) G07C 9/37 (2020.01)**
[25] FR
[54] **PORTABLE AND SINGLE-USE DEVICE FOR ACCESSING AN AREA WITH RESTRICTED ACCESS, ASSOCIATED ACCESS KEY GENERATION SYSTEM AND ASSOCIATED ACCESS CONTROL METHOD**
[54] **DISPOSITIF D'ACCES PORTABLE ET MONO-USAGE A UNE ZONE A ACCES RESTREINT, SYSTEME DE GENERATION DE CLE D'ACCES ET PROCEDE DE CONTROLE D'ACCES ASSOCIES**
[72] DJOHARIAN, BEHNAZ, FR
[72] BOUCHIAT, VINCENT, FR
[71] GRAPHEAL, FR
[85] 2022-11-01
[86] 2021-05-06 (PCT/FR2021/050778)
[87] (WO2021/224578)
[30] FR (FR2004576) 2020-05-07

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[13] A1
[51] **Int.Cl. G06V 40/16 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING VIEWING OF MULTIMEDIA BASED ON BEHAVIOURAL ASPECTS OF A USER**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE VISUALISATION DE CONTENU MULTIMEDIA SUR LA BASE D'ASPECTS COMPORTEMENTAUX D'UN UTILISATEUR**
[72] TARIGOPPULA, RAVINDRA KUMAR, IN
[71] TARIGOPPULA, RAVINDRA KUMAR, IN
[85] 2022-11-01
[86] 2020-06-17 (PCT/IB2020/055629)
[87] (WO2021/224669)
[30] IN (202041019122) 2020-05-05

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[13] A1
[51] **Int.Cl. H04N 21/442 (2011.01) H04N 21/45 (2011.01) H04N 21/466 (2011.01)**
[25] EN
[54] **ELECTRONIC DEVICE, METHOD AND PROGRAM FOR DERIVING VIEWING PATTERNS AND PREDICTING ACTIONS BASED ON PROXIMITY OF USERS**
[54] **DISPOSITIF ELECTRONIQUE, PROCEDE ET PROGRAMME DE DERIVATION DE MOTIFS DE VISUALISATION ET DE PREDICTION D'ACTIONS EN FONCTION DE LA PROXIMITE D'UTILISATEURS**
[72] SURESH, SANDEEP GUDDEKOPPA, IN
[72] JATTI, VINOD, IN
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-11-01
[86] 2021-05-19 (PCT/US2021/033091)
[87] (WO2021/257230)
[30] US (63/039,099) 2020-06-15

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[13] A1
[51] **Int.Cl. E21B 43/119 (2006.01) E21B 17/042 (2006.01) E21B 17/043 (2006.01) E21B 43/116 (2006.01) F16L 15/08 (2006.01)**
[25] EN
[54] **ALIGNMENT ASSEMBLY FOR DOWNHOLE TOOLS AND RELATED METHODS**
[54] **ENSEMBLE D'ALIGNEMENT POUR OUTILS DE FOND DE TROU ET PROCEDES ASSOCIES**
[72] VASS, BRADLEY, US
[72] MCCLANAHAN, JOE, US
[72] MOONEY, JAMES, US
[72] LAGRANGE, TIMOTHY E., CA
[72] WOOD, JEFFREY, US
[72] GARTZ, JEFFREY, CA
[72] DAY, CORY, US
[72] NAPIER, SPENCER, US
[72] CONNELL, ANDREW, CA
[71] OWEN OIL TOOLS LP, US
[71] LAGRANGE, TIMOTHY E., CA
[71] GARTZ, JEFFREY, CA
[85] 2022-11-01
[86] 2021-05-03 (PCT/US2021/030490)
[87] (WO2021/222900)
[30] US (63/019,065) 2020-05-01
[30] US (63/182,575) 2021-04-30
[30] US (63/055,182) 2020-07-22

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[13] A1
[51] **Int.Cl. G06F 1/26 (2006.01) G06Q 40/04 (2012.01) G06F 15/78 (2006.01)**
[25] EN
[54] **SERIES-CONNECTED POWER SUPPLY CIRCUIT AND DATA PROCESSING DEVICE**
[54] **CIRCUIT D'ALIMENTATION ELECTRIQUE CONNECTE EN SERIE ET DISPOSITIF DE TRAITEMENT DE DONNEES**
[72] GAO, YANG, CN
[72] WU, YUEFENG, CN
[72] YANG, ZUOXING, CN
[71] SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD., CN
[85] 2022-11-01
[86] 2021-07-13 (PCT/CN2021/105918)
[87] (WO2022/057415)
[30] CN (202010980205.6) 2020-09-17

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[13] A1
[51] **Int.Cl. C09D 11/54 (2014.01) C09D 11/30 (2014.01) C09D 7/61 (2018.01) C09D 7/63 (2018.01)**
[25] EN
[54] **PRIMER COMPOSITION, PRIMER LAYER, INK SET, PRINTED MATTER, AND IMAGE FORMATION METHOD**
[54] **COMPOSITION D'APPRET, COUCHE D'APPRET, ENSEMBLE D'ENCRE, OBJET IMPRIME, ET PROCEDE DE FORMATION D'IMAGE**
[72] SATO, YOICHI, JP
[72] MAEDA, HIROHITO, JP
[72] MORIYASU, KAZUKI, JP
[72] UEDA, ERI, JP
[72] SANO, TAKAAKI, JP
[71] SAKATA INX CORPORATION, JP
[85] 2022-11-01
[86] 2021-03-30 (PCT/JP2021/013527)
[87] (WO2022/024460)
[30] JP (2020-126953) 2020-07-28

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[13] A1
[51] **Int.Cl. A61K 31/13 (2006.01) A61K 31/155 (2006.01) A61K 31/357 (2006.01) A61K 31/40 (2006.01) A61K 31/433 (2006.01) A61K 31/4427 (2006.01) A61K 31/495 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/64 (2006.01) A61K 31/704 (2006.01) A61K 31/7072 (2006.01) A61K 31/7076 (2006.01) A61K 31/708 (2006.01)**
[25] EN
[54] **E PROTEIN CHANNEL BLOCKERS AND ORF3 INHIBITORS AS ANTI-COVID-19 AGENTS**
[54] **INHIBITEURS DE CANAL DE PROTEINE E ET INHIBITEURS DE L'ORF3 UTILISES EN TANT QU'AGENTS ANTI-COVID-19**
[72] ARKIN, ISAIAH, IL
[72] SINGH TOMAR, PRABHAT PRATAP, IL
[72] KRUGLIAK, MIRIAM, IL
[71] EXONHIT SA, FR
[85] 2022-11-01
[86] 2021-05-02 (PCT/IL2021/050501)
[87] (WO2021/220284)
[30] US (63/018,598) 2020-05-01
[30] US (63/117,619) 2020-11-24

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[13] A1
[51] **Int.Cl. B01J 39/20 (2006.01) B01J 41/14 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **BIFUNCTIONAL IONIC LIQUIDS FOR ELECTROLYTES**
[54] **LIQUIDES IONIQUES BIFONCTIONNELS POUR ELECTROLYTES**
[72] MOGANTY, SURYA, US
[72] VAIDYA, RUTVIK, US
[72] SINICROPI, JOHN, US
[72] WU, YUE, US
[72] TORRES, GABRIEL, US
[71] NOHMS TECHNOLOGIES, INC., US
[85] 2022-11-01
[86] 2020-05-05 (PCT/US2020/031453)
[87] (WO2021/225583)

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[13] A1
[51] **Int.Cl. F41A 3/82 (2006.01)**
[25] EN
[54] **BUFFER RETAINER**
[54] **DISPOSITIF DE RETENUE DE TAMPON**
[72] SCHRODL, CHRISTOPH, FI
[71] SAKO OY, FI
[85] 2022-11-01
[86] 2021-04-30 (PCT/FI2021/050325)
[87] (WO2021/234215)
[30] FI (20205512) 2020-05-20

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[13] A1
[51] **Int.Cl. B65G 5/00 (2006.01) B09B 1/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GEOLOGICAL SEQUESTRATION OF CARBON-CONTAINING LIQUID MATERIAL**
[54] **PROCEDE ET SYSTEME DE SEQUESTRATION GEOLOGIQUE DE MATERIAU LIQUIDE CONTENANT DU CARBONE**
[72] MEEHAN, SHAUN, US
[72] HERING, KELLY, US
[72] REINHARDT, PETER, US
[72] FOURIE, DANIEL, US
[71] CHARM INDUSTRIAL, INC., US
[85] 2022-11-01
[86] 2021-05-13 (PCT/US2021/032233)
[87] (WO2021/231716)
[30] US (63/024,897) 2020-05-14
[30] US (63/122,331) 2020-12-07

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[13] A1
[51] **Int.Cl. A23K 40/10 (2016.01) A23K 10/20 (2016.01)**
[25] EN
[54] **PET TREAT AND METHOD OF MAKING A PET TREAT**
[54] **FRIANDISE POUR ANIMAL DE COMPAGNIE ET PROCEDE DE FABRICATION D'UNE FRIANDISE POUR ANIMAL DE COMPAGNIE**
[72] DEVEREAUX, JOHNNA ALISON, US
[71] BOW WOW LABS, INC., US
[85] 2022-11-01
[86] 2021-05-07 (PCT/US2021/031284)
[87] (WO2021/226452)
[30] US (63/021,978) 2020-05-08

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[13] A1
[51] **Int.Cl. A23C 11/02 (2006.01) A23L 9/20 (2016.01) A23L 29/212 (2016.01) A23L 29/256 (2016.01) A23L 29/262 (2016.01) A23C 3/02 (2006.01)**
[25] EN
[54] **FOAMING CREAMER**
[54] **COLORANT A CAFE MOUSSANT**
[72] ALDAPE FARIAS, GUADALUPE DEL CARMEN, US
[72] GUNES, ZEYNEL DENIZ, CH
[72] D'ORIA, GABRIELE, CH
[72] ZHENG, YING, US
[72] SAHAI, DEEPAK, US
[71] SOCIETE DES PRODUITS NESTLE SA, CH
[85] 2022-11-01
[86] 2021-05-25 (PCT/EP2021/063864)
[87] (WO2021/239714)
[30] US (63/029,895) 2020-05-26
[30] EP (20190967.8) 2020-08-13

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[13] A1
[25] EN
[54] **PROCESSING OF DRIED BLOOD SAMPLES ON LATERAL FLOW PAPER**
[54] **TRAITEMENT D'ECHANTILLONS DE SANG SECHE SUR PAPIER A ECOULEMENT LATERAL**
[72] POLAND, DENNIS CORNELIS WILHELMUS, NL
[71] LABONOVUM B.V., NL
[85] 2022-11-01
[86] 2021-05-10 (PCT/NL2021/050301)
[87] (WO2021/225446)
[30] NL (2025535) 2020-05-08
[30] NL (2025534) 2020-05-08

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[13] A1
[51] **Int.Cl. C08F 220/14 (2006.01) C08F 220/34 (2006.01)**
[25] EN
[54] **KETONE FUNCTIONALIZED POLYMERS, METHODS OF MAKING KETONE FUNCTIONALIZED POLYMERS, AND COMPOSITIONS INCLUDING THE SAME**
[54] **POLYMERES FONCTIONNALISES PAR UNE CETONE, PROCEDES DE FABRICATION DE POLYMERES FONCTIONNALISES PAR UNE CETONE, ET COMPOSITIONS LES COMPRENANT**
[72] LI, HAIBO, US
[72] SWENSON, MATTHEW, US
[71] ENNIS-FLINT, INC., US
[85] 2022-11-01
[86] 2021-05-20 (PCT/US2021/033324)
[87] (WO2021/236883)
[30] US (63/027,568) 2020-05-20

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[13] A1
[51] **Int.Cl. C12Q 1/70 (2006.01) C12Q 1/686 (2018.01) C12Q 1/6888 (2018.01)**
[25] EN
[54] **MEANS AND METHODS FOR DETECTING NOVEL CORONAVIRUS (SARS-COV-2)**
[54] **MOYENS ET METHODES DE DETECTION DE NOUVEAU CORONAVIRUS (SARS-COV-2)**
[72] CEKAN, PAVOL, SK
[72] RADVANSZKA, MONIKA, SK
[72] HAJDU, ROMAN, SK
[72] PAUL, EVAN D., SK
[71] MULTIPLEXDX, S.R.O., SK
[85] 2022-11-01
[86] 2021-05-04 (PCT/EP2021/061742)
[87] (WO2021/224269)
[30] EP (20172733.6) 2020-05-04

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[13] A1
[51] **Int.Cl. B01D 53/58 (2006.01) D21C 11/08 (2006.01)**
[25] EN
[54] **A METHOD FOR REMOVING AMMONIA FROM NON-CONDENSABLE GASES OF A PULP MILL**
[54] **PROCEDE D'ELIMINATION D'AMMONIAC PRESENT DANS DES GAZ NON CONDENSABLES D'UNE USINE DE PATE A PAPIER**
[72] CHENNA, NAVEEN, FI
[72] JUUTILAINEN, TERO, FI
[71] VALMET TECHNOLOGIES OY, FI
[85] 2022-11-01
[86] 2021-05-24 (PCT/EP2021/063746)
[87] (WO2021/239651)
[30] FI (20205547) 2020-05-27

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01)**
[25] EN
[54] **ANTIBODY-DRUG CONJUGATES (ADCS) COMPRISING AN ANTI-TROP-2 ANTIBODY, COMPOSITIONS COMPRISING SUCH ADCS, AS WELL AS METHODS OF MAKING AND USING THE SAME**
[54] **CONJUGUES ANTICORPS-MEDICAMENT (ADC) COMPRENANT UN ANTICORPS ANTI-TROP-2, COMPOSITIONS COMPRENANT DE TELS ADC, AINSI QUE PROCEDES DE FABRICATION ET D'UTILISATION DE CEUX-CI**
[72] ZHU, TONG, CN
[72] KHASANOV, ALISHER B., CN
[72] LI, HUI, CN
[72] GUO, MAOJUN, CN
[72] LI, HAIHONG, CN
[72] XU, CHUANYING, CN
[72] HE, FENG, CN
[72] ZHOU, QING, CN
[71] LEVENA (SUZHOU) BIOPHARMA CO., LTD., CN
[71] SHANGHAI ESCUGEN BIOTECHNOLOGY CO., LTD., CN
[85] 2022-11-01
[86] 2021-04-30 (PCT/US2021/030198)
[87] (WO2021/225892)
[30] CN (PCT/CN2020/088565) 2020-05-03
[30] CN (PCT/CN2021/086849) 2021-04-13

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[51] **Int.Cl. A61K 31/17 (2006.01) A61K 31/495 (2006.01) A61K 38/19 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/525 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **TNF.ALPHA. IMMUNOCONJUGATE THERAPY FOR THE TREATMENT OF BRAIN TUMORS**
[54] **THERAPIE A BASE D'UN IMMUNOCONJUGUE DE TNF? POUR LE TRAITEMENT DE TUMEURS CEREBRALES**
[72] HEMMERLE, THERESA, CH
[71] PHILOGEN S.P.A, IT
[85] 2022-11-01
[86] 2021-05-24 (PCT/EP2021/063758)
[87] (WO2021/234178)
[30] EP (20176157.4) 2020-05-22

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[13] A1
[51] **Int.Cl. H04N 19/14 (2014.01) H04N 19/154 (2014.01) H04N 19/176 (2014.01) H04N 19/186 (2014.01)**
[25] EN
[54] **MACROBLOCKING ARTIFACT DETECTION**
[54] **DETECTION D'ARTEFACTS DE MACROBLOCAGE**
[72] WANG, ZHOU, CA
[72] ZENG, KAI, CA
[71] SSIMWAVE INC., CA
[85] 2022-11-01
[86] 2021-04-28 (PCT/IB2021/053544)
[87] (WO2021/224729)
[30] US (63/019,547) 2020-05-04

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[51] **Int.Cl. H04L 1/00 (2006.01)**
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[54] **DATA TRANSMISSION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES**
[72] HE, XIANG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-11-01
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[87] (WO2020/227976)

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[51] **Int.Cl. B06B 1/02 (2006.01) B06B 3/02 (2006.01) C12N 15/87 (2006.01) C12N 15/88 (2006.01) G05D 19/02 (2006.01)**
[25] EN
[54] **DEVICE, METHOD AND COMPOSITION FOR TRANSFECTION OF CELLS WITH NUCLEIC ACIDS**
[54] **DISPOSITIF, PROCEDE ET COMPOSITION POUR LA TRANSFECTION DE CELLULES AVEC DES ACIDES NUCLEIQUES**
[72] CANDIANI, GABRIELE, IT
[72] BONO, NINA, IT
[72] PONTI, FEDERICA, IT
[71] POLITECNICO DI MILANO, IT
[85] 2022-11-01
[86] 2021-05-21 (PCT/EP2021/063610)
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[30] IT (102020000012055) 2020-05-22

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[51] **Int.Cl. C12Q 1/6806 (2018.01) A01N 47/44 (2006.01) C07K 1/02 (2006.01)**
[25] EN
[54] **MOLECULAR TRANSPORT FOR VIRAL AGENTS**
[54] **TRANSPORT MOLECULAIRE POUR DES AGENTS VIRAUX**
[72] BULIR, DAVID C., CA
[72] CHONG, SYLVIA, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2022-11-01
[86] 2021-05-03 (PCT/CA2021/050618)
[87] (WO2021/223020)
[30] US (63/019,690) 2020-05-04
[30] US (63/120,142) 2020-12-01

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[13] A1
[51] **Int.Cl. C07K 14/005 (2006.01) C07K 14/015 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **CONTROLLED MODIFICATION OF ADENO-ASSOCIATED VIRUS (AAV) FOR ENHANCED GENE THERAPY**
[54] **MODIFICATION CONTROLEE DE VIRUS ADENO-ASSOCIE (VAA) EN VUE D'UNE THERAPIE GENIQUE AMELIOREE**
[72] CHATTERJEE, ABHISHEK, US
[72] KELEMEN, RACHEL E., US
[72] ERICKSON, SARAH B., US
[72] PHAM, QUAN, US
[71] TRUSTEES OF BOSTON COLLEGE, US
[85] 2022-11-01
[86] 2021-05-03 (PCT/US2021/030489)
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[30] US (63/018,573) 2020-05-01

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[51] **Int.Cl. F03D 80/60 (2016.01)**
[25] EN
[54] **COOLING SYSTEM AND WIND POWER GENERATOR SET**
[54] **SYSTEME DE REFROIDISSEMENT ET ENSEMBLE GENERATEUR D'ENERGIE EOLIENNE**
[72] WANG, DINGHUI, CN
[72] LIU, JUNWEI, CN
[72] GAO, SI, CN
[71] XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., CN
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[87] (WO2021/248715)
[30] CN (202010516571.6) 2020-06-09

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[13] A1
[25] EN
[54] **METHODS OF TREATING CANCER USING A COMBINATION OF A PD-1 ANTAGONIST, A CHEMORADIATION THERAPY AND A PARP INHIBITOR**
[54] **METHODES DE TRAITEMENT DU CANCER A L'AIDE D'UNE COMBINAISON D'UN ANTAGONISTE DE PD-1, D'UNE CHIMIO-RADIOTHERAPIE ET D'UN INHIBITEUR DE PARP**
[72] PERLMUTTER, ROGER M., US
[72] PIETANZA, MARIA CATHERINE, US
[71] MERCK SHARP & DOHME LLC, US
[85] 2022-11-01
[86] 2021-04-29 (PCT/US2021/029777)
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[30] US (63/019,699) 2020-05-04

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[13] A1
[51] **Int.Cl. G01F 1/20 (2006.01) G01F 1/84 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A FLUID FLOW PARAMETER WITHIN A VIBRATING TUBE**
[54] **PROCEDE DE DETERMINATION D'UN PARAMETRE D'ECOULEMENT DE FLUIDE A L'INTERIEUR D'UN TUBE VIBRANT**
[72] GYSLING, DANIEL, US
[71] EXPRO METERS, INC., US
[85] 2022-11-01
[86] 2021-05-17 (PCT/US2021/032752)
[87] (WO2021/232008)
[30] US (63/025,668) 2020-05-15

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[25] EN
[54] **FORWARDING PATH DETERMINING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL POUR DETERMINER UN TRAJET DE TRANSFERT**
[72] DONG, JIE, CN
[72] DU, ZONGPENG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-11-01
[86] 2020-07-29 (PCT/CN2020/105639)
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[13] A1
[51] **Int.Cl. A61K 31/7072 (2006.01) A61K 31/7076 (2006.01) A61K 31/708 (2006.01)**
[25] EN
[54] **TREATMENT OF VIRAL INFECTIONS**
[54] **TRAITEMENT D'INFECTIONS VIRALES**
[72] GOJON-ROMANILLOS, GABRIEL, MX
[72] GOJON-ZORRILLA, GABRIEL, MX
[71] SULFAGENIX, INC., US
[85] 2022-11-01
[86] 2021-05-04 (PCT/US2021/030591)
[87] (WO2021/226037)
[30] US (63/019,757) 2020-05-04

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[13] A1
[51] **Int.Cl. A61K 31/36 (2006.01)**
[25] EN
[54] **MDMA TREATMENT TO ENHANCE ACUTE EMOTIONAL EFFECTS PROFILE OF LSD, PSILOCYBIN OR OTHER PSYCHEDELICS**
[54] **TRAITEMENT PAR MDMA DESTINE A AMELIORER LE PROFIL DES EFFETS EMOTIONNELS AIGUS DU LSD, DE LA PSILOCYBINE OU D'AUTRES SUBSTANCES PSYCHEDELIQUES**
[72] LIECHTI, MATTHIAS EMANUEL, CH
[71] UNIVERSITATSSPITAL BASEL, CH
[85] 2022-11-01
[86] 2021-04-22 (PCT/US2021/028707)
[87] (WO2021/225796)
[30] US (63/020,261) 2020-05-05

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[13] A1
[51] **Int.Cl. C04B 35/52 (2006.01)**
[25] EN
[54] **VITREOUS CARBON COMPOSITIONS, MULTI-LAYER LAMINATES, AND 3-D PRINTED ARTICLES**
[54] **COMPOSITIONS DE CARBONE VITREUX, STRATIFIES MULTICOUCHES ET ARTICLES IMPRIMES EN 3D**
[72] LUDINGTON, RICHARD, US
[72] MARIN, LUIS EDUARDO, US
[72] HULTQUIST, STEVEN JOHN, US
[71] CARBON CERAMICS COMPANY LLC, US
[85] 2022-11-01
[86] 2021-05-01 (PCT/US2021/030375)
[87] (WO2021/222879)
[30] US (63/019,155) 2020-05-01

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[13] A1
[51] **Int.Cl. C12P 19/34 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/6844 (2018.01)**
[25] EN
[54] **DETECTION OF LOW ABUNDANCE NUCLEIC ACIDS**
[54] **DETECTION D'ACIDES NUCLEIQUES DE FAIBLE ABONDANCE**
[72] GAWAD, CHARLES, US
[72] KADIA, SIDDHARTHA, US
[72] WEST, JAY A.A., US
[71] BIOSKRYB GENOMICS, INC., US
[85] 2022-11-01
[86] 2021-05-05 (PCT/US2021/030837)
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[30] US (63/021,477) 2020-05-07

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[13] A1
[51] **Int.Cl. A61K 31/4422 (2006.01) G16H 10/65 (2018.01) G16H 15/00 (2018.01) G16H 50/30 (2018.01) A61P 9/12 (2006.01)**
[25] EN
[54] **DOSAGE REGIMEN OF AMLODIPINE**
[54] **REGIME POSOLOGIQUE D'AMLODIPINE**
[72] RICHARDS, ANDREW JOHN MCGLASHAN, GB
[72] GOLDSMITH, PAUL, GB
[72] COLLIER, DAVID, GB
[72] COX, DAVID, GB
[72] CAMPBELL, BRUCE, GB
[71] CLOSED LOOP MEDICINE LTD, GB
[85] 2022-11-01
[86] 2021-05-07 (PCT/GB2021/051112)
[87] (WO2021/224641)
[30] GB (2006819.3) 2020-05-07

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01)**
[25] EN
[54] **TREATMENT OR PREVENTION OF PRO-INFLAMMATORY DISEASES OR CONDITIONS USING INDUCED REGULATORY T (ITREG) CELLS**
[54] **TRAITEMENT OU PREVENTION DE MALADIES OU D'ETATS PRO-INFLAMMATOIRES A L'AIDE DE LYMPHOCYTES T REGULATEURS INDUITS (ITREG)**
[72] FOWLER, DANIEL HARDING, US
[71] RAPA THERAPEUTICS, LLC, US
[85] 2022-11-01
[86] 2021-05-13 (PCT/US2021/032342)
[87] (WO2021/231797)
[30] US (63/024,429) 2020-05-13

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[13] A1
[51] **Int.Cl. A23J 1/00 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **PROCESS FOR ISOLATING SOLUBLE FUNCTIONAL PROTEINS FROM PLANT MATERIAL**
[54] **PROCEDE POUR L'ISOLEMENT DE PROTEINES FONCTIONNELLES SOLUBLES A PARTIR DE MATIERE VEGETALE**
[72] DE HAAN, ANDRE BANIER, NL
[72] GEERTS, MARLIES ELISABETH JOHANNA, NL
[72] KOSTERS, PAULUS STATIUS REINIER, NL
[71] COOPERATIE KONINKLIJKE COSUN U.A., NL
[85] 2022-11-01
[86] 2021-05-17 (PCT/NL2021/050315)
[87] (WO2021/235930)
[30] NL (2025601) 2020-05-18

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[13] A1
[51] **Int.Cl. G06F 9/54 (2006.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **SECURE UPDATING OF ALLOCATIONS TO USER ACCOUNTS**
[54] **MISE A JOUR SECURISEE D'ATTRIBUTIONS A DES COMPTES UTILISATEURS**
[72] LAI, MICHAEL, US
[72] WANG, JEFFREY ZHIYUAN, US
[72] CANO, RAYMOND, US
[72] JOHNSON, MAXWELL DODGE, US
[72] FISHER, THOMAS, US
[71] PLAID INC., US
[85] 2022-11-01
[86] 2021-05-05 (PCT/US2021/030808)
[87] (WO2021/226188)
[30] US (63/020,260) 2020-05-05
[30] US (17/302,499) 2021-05-04

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[13] A1
[51] **Int.Cl. A61F 13/26 (2006.01) A61F 6/12 (2006.01)**
[25] EN
[54] **DEPLOYMENT DEVICE FOR AN INSERTABLE AND ASSOCIATED METHODS**
[54] **DISPOSITIF DE DEPLOIEMENT POUR UN ELEMENT INSERABLE ET METHODES ASSOCIEES**
[72] PRICE, TONIA, AU
[71] MEDITATI PTY LTD, AU
[85] 2022-11-01
[86] 2021-05-25 (PCT/AU2021/000037)
[87] (WO2021/237269)
[30] AU (2020901683) 2020-05-25

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[13] A1
[51] **Int.Cl. A61F 13/00 (2006.01) A61F 13/02 (2006.01) A61F 13/40 (2006.01)**
[25] EN
[54] **ABSORBENT WOUND DRESSING**
[54] **PANSEMENT ABSORBANT POUR PLAIE**
[72] O'BRIEN, DR. MARK, GB
[72] HAYNES, JENNIFER, GB
[72] JOHNSON, NEIL, GB
[72] LANE, THOMAS, GB
[72] DEELEY, NICOLA, GB
[71] MEDTRADE PRODUCTS LIMITED, GB
[85] 2022-11-01
[86] 2021-05-04 (PCT/GB2021/051064)
[87] (WO2021/224602)
[30] GB (2006588.4) 2020-05-04

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[13] A1
[51] **Int.Cl. A61K 38/38 (2006.01) A61M 1/34 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING ALBUMIN FOR USE IN THE TREATMENT OF AMYOTROPHIC LATERAL SCLEROSIS (ALS) BY PLASMA EXCHANGE**
[54] **COMPOSITION COMPRENANT DE L'ALBUMINE POUR UTILISATION DANS LE TRAITEMENT DE LA SCLEROSE LATERALE AMYOTROPHIQUE (SLA) PAR ECHANGE DE PLASMA**
[72] JORBA RIBES, JAVIER, ES
[72] PAEZ REGADERA, ANTONIO MANUEL, ES
[71] GRIFOLS WORLDWIDE OPERATIONS LIMITED, IE
[85] 2022-11-01
[86] 2021-04-27 (PCT/EP2021/060920)
[87] (WO2021/224058)
[30] EP (20382375.2) 2020-05-07

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[13] A1
[51] **Int.Cl. E06B 9/44 (2006.01) E06B 9/50 (2006.01)**
[25] EN
[54] **SYSTEM FOR MOUNTING A ROLLABLE SCREEN**
[54] **SYSTEME DE MONTAGE D'ECRAN ENROULABLE**
[72] VANHOUTTE, STEVEN, BE
[72] RUMBAUT, SOFIE, BE
[72] MAERTENS, JONAS, BE
[72] SOLOMANIUCK, MAXIM, BE
[72] DESPLENTER, MICHIEL, BE
[72] MEINSTER, JOHN, BE
[71] RENSON SUNPROTECTION-SCREENS NV, BE
[85] 2022-11-01
[86] 2021-04-23 (PCT/IB2021/053358)
[87] (WO2021/229333)
[30] BE (BE2020/5322) 2020-05-12

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[13] A1
[51] **Int.Cl. F21L 4/02 (2006.01) F41G 1/36 (2006.01)**
[25] EN
[54] **LUMINAIRE**
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[72] STOCKER, ROLF, DE
[72] HONTSCH, MARIA, DE
[72] GAISSER, ALEXANDER, DE
[71] RHEINMETALL SOLDIER ELECTRONICS GMBH, DE
[85] 2022-11-01
[86] 2021-03-25 (PCT/EP2021/057694)
[87] (WO2021/223936)
[30] DE (10 2020 112 237.3) 2020-05-06

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[13] A1
[51] **Int.Cl. A61B 5/154 (2006.01) A61B 5/155 (2006.01)**
[25] EN
[54] **DEVICE FOR CONNECTING A CANNULA TO A CONTAINER**
[54] **DISPOSITIF POUR RELIER UNE CANULE A UN RECIPIENT**
[72] BARON, DAVID, AT
[72] EISENMENGER-SITTNER, CHRISTOPH, AT
[72] MULLER, MARTIN, AT
[72] THAJER, LUKAS, AT
[72] PRIBITZER, STEFAN, AT
[71] MEDIZINISCHE UNIVERSITAT WIEN, AT
[71] TECHNISCHE UNIVERSITAT WIEN, AT
[85] 2022-11-02
[86] 2021-05-03 (PCT/IB2021/053669)
[87] (WO2021/224751)
[30] AT (A 108/2020) 2020-05-05

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[13] A1
[51] **Int.Cl. G01V 3/08 (2006.01)**
[25] EN
[54] **MAGNETIC PROBING DEVICE**
[54]
[72] KYOOKA, YOSHITERU, JP
[72] IGARASHI, KEIJI, JP
[71] KYOOKA CO., LTD., JP
[85] 2022-11-02
[86] 2021-05-10 (PCT/JP2021/017645)
[87] (WO2021/230182)
[30] JP (2020-083185) 2020-05-11

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[13] A1
[51] **Int.Cl. C12N 15/85 (2006.01) C12N 5/10 (2006.01) C12N 15/10 (2006.01) C12N 15/63 (2006.01) C12N 15/864 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **METHODS TO GENETICALLY MODIFY CELLS FOR DELIVERY OF THERAPEUTIC PROTEINS**
[54] **PROCEDES DE MODIFICATION GENETIQUE DE CELLULES POUR L'ADMINISTRATION DE PROTEINES THERAPEUTIQUES**
[72] JUILLERAT, ALEXANDRE, US
[72] DUCHATEAU, PHILIPPE, FR
[72] HONG, PATRICK, US
[72] POIROT, LAURENT, FR
[72] BUSSER, BRIAN, US
[72] BOYNE, ALEX, US
[71] CELLECTIS S.A., FR
[85] 2022-11-02
[86] 2021-05-06 (PCT/EP2021/062054)
[87] (WO2021/224416)
[30] US (63/020,894) 2020-05-06

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[13] A1
[51] **Int.Cl. B29C 45/76 (2006.01) B29C 49/78 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MOLDING CONTROL**
[54] **PROCEDES ET APPAREIL POUR LA COMMANDE DE MOULAGE**
[72] NIEWELS, JOACHIM JOHANNES, CA
[72] YANKOV, PETER, CA
[72] ULEMEK, ADAM CHRISTOPHER, CA
[72] KMOCH, SVEN, DE
[72] DEUTSH, MENNY, CA
[72] WANG, ZHIMING, CA
[72] KARNER, RICHARD JOHN, CA
[72] KERSHAW, MICHAEL DAVID, CA
[72] SHEN, LIXIN, CA
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2022-11-02
[86] 2021-05-17 (PCT/CA2021/050671)
[87] (3177622)
[30] US (63/031,654) 2020-05-29

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[25] EN
[54] **HIGH TEMPERATURE SUPERCONDUCTOR FIELD COIL**
[54] **BOBINE DE CHAMP SUPRACONDUCTRICE A HAUTE TEMPERATURE**
[72] BRITTLES, GREG, GB
[72] LANGTRY, TONY, GB
[72] BATEMAN, ROD, GB
[72] SLADE, ROBERT, GB
[72] VAN NUGTEREN, BAS, GB
[71] TOKAMAK ENERGY LTD, GB
[85] 2022-11-02
[86] 2021-05-04 (PCT/EP2021/061756)
[87] (WO2021/224279)
[30] GB (2006576.9) 2020-05-04

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[13] A1
[51] **Int.Cl. C07K 14/29 (2006.01) A61K 31/7088 (2006.01) A61K 35/76 (2015.01) A61K 38/16 (2006.01) A61K 39/02 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C07K 17/00 (2006.01) C12N 15/31 (2006.01)**
[25] EN
[54] **PROTEINS AND NUCLEIC ACIDS FOR EHRLICHIA DIAGNOSIS AND VACCINATION**
[54] **PROTEINES ET ACIDES NUCLEIQUES POUR LE DIAGNOSTIC ET LA VACCINATION CONTRE EHRLICHIA**
[72] MCBRIDE, JERE W., US
[72] WALKER, DAVID H., US
[72] LUO, TIAN, US
[72] PATEL, JIGNESH, US
[71] RESEARCH DEVELOPMENT FOUNDATION, US
[85] 2022-11-02
[86] 2021-05-10 (PCT/US2021/031509)
[87] (WO2021/226572)
[30] US (63/022,365) 2020-05-08

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[13] A1
[51] **Int.Cl. A61K 9/51 (2006.01) A61K 31/436 (2006.01) A61K 38/00 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 45/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING ANEMIA USING ACTRIIB LIGAND TRAPS AND MTOR INHIBITORS**
[54] **METHODES ET COMPOSITIONS POUR TRAITER L'ANEMIE A L'AIDE DE PIEGES A LIGANDS ACTRIIB ET D'INHIBITEURS DE MTOR**
[72] ACAR, MELIH, US
[72] SCHWICKART, MARTIN, US
[72] JUPELLI, MADHULIKA, US
[71] CELGENE CORPORATION, US
[85] 2022-11-02
[86] 2021-05-14 (PCT/US2021/032434)
[87] (WO2021/231851)
[30] US (63/025,955) 2020-05-15

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[13] A1
[51] **Int.Cl. A61K 31/51 (2006.01) A61K 45/06 (2006.01) A61P 9/10 (2006.01) A61P 19/02 (2006.01) A61P 25/28 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01) A61P 31/12 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **USE OF CO-ENZYME ANTAGONISTS TO SLOW METABOLISM**
[54] **UTILISATION D'ANTAGONISTES DE CO-ENZYME POUR RALENTIR LE METABOLISME**
[72] COY, JOHANNES F., DE
[72] SCHIERL, RALF, DE
[71] TAVARGENIX GMBH, DE
[85] 2022-11-02
[86] 2021-06-21 (PCT/DE2021/100528)
[87] (WO2021/259423)
[30] DE (10 2020 116 980.9) 2020-06-27

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/6806 (2018.01)**
[25] EN
[54] **METHOD FOR IDENTIFYING RNA BINDING PROTEIN BINDING SITES ON RNA**
[54] **PROCEDE D'IDENTIFICATION DE SITES DE LIAISON A DES PROTEINES DE LIAISON A L'ARN SUR L'ARN**
[72] SIBLEY, CHRISTOPHER, GB
[71] IMPERIAL COLLEGE INNOVATIONS LIMIITED, GB
[85] 2022-11-02
[86] 2021-05-07 (PCT/GB2021/051109)
[87] (WO2021/224639)
[30] GB (2006803.7) 2020-05-07

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[13] A1
[51] **Int.Cl. A01N 47/14 (2006.01) A01N 25/04 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **AQUEOUS COMPOSITION OF DITHIOCARBAMATE FUNGICIDE**
[54] **COMPOSITION AQUEUSE DE FONGICIDE DITHIOCARBAMATE**
[72] VAN DER KRIEKEN, WILHELMUS MARIA, NL
[72] STRATMANN, CHRISTIAN, NL
[71] ADAMA MAKHTESHIM LTD., IL
[85] 2022-11-02
[86] 2021-05-28 (PCT/IB2021/054696)
[87] (WO2021/240460)
[30] US (63/031,139) 2020-05-28

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[13] A1
[51] **Int.Cl. H01T 13/20 (2006.01) H01T 21/02 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING AN ASSEMBLY FOR A SPARK PLUG AND SPARK PLUG**
[54] **PROCEDE DE FABRICATION D'UN ENSEMBLE POUR UNE BOUGIE D'ALLUMAGE ET BOUGIE D'ALLUMAGE**
[72] KLAUSNER, JOHANN, AT
[72] GRABNER, ROBERT, AT
[72] PYSZCZEK, RAFAL, PL
[71] INNIO JENBACHER GMBH & CO OG, AT
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[51] **Int.Cl. G05B 11/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED TUNING/CONFIGURING OF A POWER SYSTEM STABILIZER (PSS) IN A DIGITAL EXCITATION CONTROL SYSTEM**
[54] **SYSTEME ET PROCEDE POUR LE REGLAGE/LA CONFIGURATION AUTOMATISES D'UN STABILISATEUR DE SYSTEME DE PUISSANCE (PSS) DANS UN SYSTEME DE COMMANDE D'EXCITATION NUMERIQUE**
[72] WEBER, DANIEL, US
[72] KIM, KIYONG, US
[71] BASLER ELECTRIC COMPANY, US
[85] 2022-11-02
[86] 2021-02-22 (PCT/US2021/019057)
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[30] US (63/031,308) 2020-05-28

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[51] **Int.Cl. C01G 53/04 (2006.01) H01M 4/131 (2010.01) H01M 4/1391 (2010.01) B01J 19/18 (2006.01) C01G 45/02 (2006.01) C01G 51/04 (2006.01) H01M 4/525 (2010.01) H01M 10/0525 (2010.01)**
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[54] **PROCESS FOR MANUFACTURING THE COMPARATIVE PRECURSOR C-PCAM.1**
[54] **PROCEDE DE FABRICATION DU PRECURSEUR COMPARATIF C-PCAM.1**
[72] BERGNER, BENJAMIN JOHANNES HERBERT, DE
[72] BERK, RAFAEL BENJAMIN, DE
[71] BASF SE, DE
[85] 2022-11-02
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[54] **OPTICAL VAPE DETECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE CIGARETTE ELECTRONIQUE OPTIQUE**
[72] CHU, CARY, US
[71] SOTER TECHNOLOGIES, LLC, US
[85] 2022-11-02
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[54] **METHOD FOR CONTROLLING ACTIONS OF A MOBILE ENTITY ON A FIELD MANAGEMENT UNIT**
[54] **PROCEDE DE COMMANDE D'ACTIONS D'UNE ENTITE MOBILE SUR UNE UNITE DE GESTION DE CHAMP**
[72] SCHEUERMANN, ENRICO B., DE
[72] RATKE, CHRISTOPH, DE
[72] WRAY, CHRISTOPHER, DE
[72] QUANTMEYER, CHRISTIAN, DE
[72] STOFFREGEN, JAN-PATRICK, DE
[71] KWS SAAT SE & CO. KGAA, DE
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[25] EN
[54] **ANALYTE MONITORING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE D'ANALYTES**
[72] KUMAR, PANGANAMALA ASHWIN, US
[72] WOO, JENNIFER, US
[72] ROSSI, STEPHEN A., US
[72] JANGAM, SUJIT, US
[72] COVINGTON, KENDALL MARIE, US
[72] LANG, JORDAN WING-HAYE, US
[72] REVOLTAR, ANDREW, US
[72] HILTON, KIMBERLY, US
[72] HUA, XUANDONG, US
[72] KUMAR, GOPALKRISHNAN VIJAY, US
[72] LENO, KURT E., US
[71] ABBOTT DIABETES CARE INC., US
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[51] **Int.Cl. B01J 2/30 (2006.01) A61K 47/18 (2017.01) C09K 8/62 (2006.01)**
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[54] **CHOLINE CHLORIDE COMPOSITIONS**
[54] **COMPOSITIONS DE CHLORURE DE CHOLINE**
[72] BROUCEK, REINHARD, US
[72] SESTRICK, MICHAEL R., US
[71] BALCHEM CORPORATION, US
[85] 2022-11-02
[86] 2021-05-28 (PCT/US2021/034846)
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[25] EN
[54] **METHODS OF TREATING PULMONARY FIBROSIS**
[54] **METHODES DE TRAITEMENT DE LA FIBROSE PULMONAIRE**
[72] BURNS, CHRIS, AU
[72] LAMBERT, JOHN, AU
[72] DEVLIN, MARK GRAEME, AU
[71] AMPLIA THERAPEUTICS PTY LTD, AU
[85] 2022-11-02
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[51] **Int.Cl. A01N 31/02 (2006.01)**
[25] EN
[54] **FRUIT FLY CONTROL**
[54] **CONTROLE DE MOUCHES DES FRUITS**
[72] TAYLOR, PHILLIP, AU
[72] KEMPARAJU, VIVEK, AU
[72] PARK, SOO JEAN, AU
[71] MACQUARIE UNIVERSITY, AU
[85] 2022-11-02
[86] 2021-05-05 (PCT/AU2021/050415)
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[51] **Int.Cl. C07C 219/20 (2006.01)**
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[54] **POLYMORPHIC FORMS OF (R)-OXYBUTYNIN HYDROCHLORIDE**
[54] **FORMES POLYMORPHES DE CHLORHYDRATE DE (R)-OXYBUTYNINE**
[72] MOLNAR, DENNIS, US
[72] JOHNSTON, SEAN, US
[71] APNIMED, INC. (DELAWARE), US
[85] 2022-11-02
[86] 2021-05-04 (PCT/US2021/030571)
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[30] US (63/020,301) 2020-05-05
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[25] EN
[54] **MATERIAL PROPERTIES FROM TWO-DIMENSIONAL IMAGE**
[54] **PROPRIETES DE MATERIAU A PARTIR D'UNE IMAGE BIDIMENSIONNELLE**
[72] GETTEMY, GLEN L., US
[72] CHAKRABORTY, NIRJHOR, US
[72] ZHOU, MUHONG, US
[71] BP CORPORATION NORTH AMERICA INC., US
[85] 2022-11-02
[86] 2021-05-10 (PCT/US2021/031614)
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[51] **Int.Cl. C11B 1/04 (2006.01) C11B 1/06 (2006.01)**
[25] FR
[54] **COLD PRESSING METHOD AND DEVICE IMPLEMENTING SAID METHOD**
[54] **PROCEDE DE PRESSAGE A FROID ET DISPOSITIF METTANT EN ?UVRE CE PROCEDE**
[72] MONVOISIN, ERIC, FR
[72] DUNACH, LAURENT, FR
[72] BOGAERT, LAURINE, FR
[71] AVRIL, FR
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[51] **Int.Cl. A61K 38/17 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **BBETA-15-42 FOR THE TREATMENT OF VIRAL ENDOTHELITIS**
[54] **PROTEINE B BETA-15-42 POUR LE TRAITEMENT DE L'ENDOTHELITE VIRALE**
[72] ZACHAROWSKI, KAI, DE
[72] WUELFROTH, PETRA, CH
[72] MEYBOHM, PATRICK, DE
[71] F4 PHARMA GMBH, AT
[85] 2022-11-02
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[51] **Int.Cl. B65D 43/02 (2006.01) B65D 43/06 (2006.01) B65D 43/08 (2006.01)**
[25] EN
[54] **PAPER-PLASTIC MOLDED CUP COVER CAPABLE OF COMPLETELY FASTENING TO CUP BODY**
[54] **COUVERCLE DE GOBELET MOULE EN PAPIER-PLASTIQUE POUVANT SE FIXER PARFAITEMENT SUR UN CORPS DE GOBELET**
[72] LAI, TZUNG-SHEN, CN
[71] CHANGZHOU CITY CHENG XIN ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD, CN
[85] 2022-11-02
[86] 2020-05-12 (PCT/CN2020/089800)
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[51] **Int.Cl. A01M 1/02 (2006.01) A01M 23/38 (2006.01) A01M 31/00 (2006.01)**
[25] EN
[54] **A PEST MONITORING DEVICE**
[54] **DISPOSITIF DE SURVEILLANCE DE NUISIBLES**
[72] BARLOW, THOMAS, GB
[72] SARRIAS, MERISSA, GB
[72] JAMES, ALUN, GB
[72] CAMPBELL, JONATHAN, CH
[71] SYNGENTA CROP PROTECTION AG, CH
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[51] **Int.Cl. F03B 13/18 (2006.01)**
[25] EN
[54] **WAVE ENERGY CAPTURE SYSTEM**
[54] **SYSTEME DE CAPTURE D'ENERGIE HOULOMOTRICE**
[72] PARK, JONG WON, KR
[71] PARK, JONG WON, KR
[85] 2022-11-02
[86] 2021-08-02 (PCT/KR2021/010070)
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[51] **Int.Cl. B01D 53/04 (2006.01) B01J 20/32 (2006.01) B01J 20/34 (2006.01)**
[25] EN
[54] **COMBINED THERMAL ENERGY STORAGE AND CONTAMINANT REMOVAL**
[54] **STOCKAGE D'ENERGIE THERMIQUE ET ELIMINATION DE CONTAMINANTS COMBINES**
[72] STUCKERT, NICHOLAS, US
[71] STUCKERT, NICHOLAS, US
[85] 2022-11-02
[86] 2021-05-25 (PCT/US2021/033972)
[87] (WO2021/242717)
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[51] **Int.Cl. H02J 3/06 (2006.01)**
[25] EN
[54] **FAST AND FLEXIBLE HOLOMORPHIC EMBEDDING-BASED METHOD FOR ASSESSING POWERSYSTEM LOAD MARGINS**
[54] **METHODE FONDEE SUR L'ENROBAGE HOLOMORPHE RAPIDE ET SOUPLE POUR EVALUER LES MARGES DE CHARGES D'UN BLOC D'ALIMENTATION**
[72] WANG, TAO, CN
[72] ZHANG, WEN, CN
[72] HUANG, WENTAO, CN
[72] LI, JIAQI, CN
[71] SUN YAT-SEN UNIVERSITY, CN
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[51] **Int.Cl. C08G 69/26 (2006.01) C08L 77/06 (2006.01)**
[25] EN
[54] **IMPACT MODIFIED POLYAMIDE COMPOSITIONS**
[54] **COMPOSITION DE POLYAMIDE A RESISTANCE AUX CHOCS MODIFIEE**
[72] VINCENT, MATTHEW R., US
[72] HAMM, WILLIAM, US
[72] CARVELL, LEE, US
[72] NORFOLK, LINDA M., US
[72] FLORES, JOEL, US
[72] JEOL, STEPHANE, FR
[72] MCILROY, DAVID, US
[71] SOLVAY SPECIALTY POLYMERS USA, LLC, US
[85] 2022-11-02
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[87] (WO2021/224431)
[30] US (63/021,107) 2020-05-07
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[51] **Int.Cl. C07D 237/32 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **COMPOUNDS**
[54] **COMPOSES**
[72] MURATORE, MICHAEL ERIC, BE
[72] VAN OPDENBOSCH, NINA, BE
[72] LEENAERTS, JOSEPH ELISABETH, BE
[72] LAMKANFI, MOHAMED, BE
[72] TRESADERN, GARY JOHN, BE
[72] OEHLRICH, DANIEL, BE
[72] VAN GOOL, MICHIEL LUC MARIA, ES
[72] PEREZ BENITO, LAURA, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2022-11-02
[86] 2021-05-27 (PCT/EP2021/064221)
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[30] EP (20382456.0) 2020-05-28

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[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/02 (2006.01) C07K 14/725 (2006.01) C07K 16/30 (2006.01) C12N 9/10 (2006.01)**
[25] EN
[54] **PEPTIDES AND COMBINATIONS OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST HEMATOLOGIC NEOPLASMS AND OTHER CANCERS**
[54] **PEPTIDES ET COMBINAISON DE PEPTIDES A UTILISER EN IMMUNOTHERAPIE CONTRE LES NEOPLASMES HEMATOLOGIQUES ET D'AUTRES CANCERS**
[72] WALZ, JULIANE, DE
[72] NELDE, ANNIKA, DE
[72] RAMMENSEE, HANS-GEORG, DE
[71] EBERHARD KARLS UNIVERSITAET TUEBINGEN MEDIZINISCHE FAKULTAET, DE
[85] 2022-11-02
[86] 2021-05-04 (PCT/EP2021/061625)
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[30] EP (20173282.3) 2020-05-06

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[51] **Int.Cl. A41D 13/11 (2006.01) A41D 27/00 (2006.01) A41D 27/22 (2006.01)**
[25] EN
[54] **KNITTED LOOPS FOR MASKS OR GARMENTS**
[54] **BOUCLES TRICOTEES POUR MASQUES OU VETEMENTS**
[72] LEONARD, MICHAEL, US
[72] WOODEN, TOMMY, US
[71] SIGVARIS AG, CH
[85] 2022-11-02
[86] 2021-05-07 (PCT/IB2021/000306)
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[30] US (63/021,487) 2020-05-07

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[51] **Int.Cl. E21B 1/38 (2006.01) B25D 9/12 (2006.01) B25D 9/26 (2006.01) B25D 17/06 (2006.01) E21B 4/14 (2006.01) F16J 10/04 (2006.01)**
[25] EN
[54] **PISTON GUIDING ELEMENT, ROCK DRILLING MACHINE AND METHOD**
[54] **ELEMENT DE GUIDAGE DE PISTON, MACHINE DE FORAGE DE ROCHE ET PROCEDE ASSOCIE**
[72] KOSKIMAKI, MR. ANTTI, FI
[72] KANDELIN, MR. LARS, FI
[72] HAMALAINEN, MR. MIKKO, FI
[72] KELA, MR. TIMO, FI
[72] VIINIKKA, MR. MATTI, FI
[72] LAAKKOLA, MR. ESA, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
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[87] (WO2021/245065)
[30] EP (20177658.0) 2020-06-01

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[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING A PRIVATE MULTI-MODAL ARTIFICIAL INTELLIGENCE PLATFORM**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE D'UNE PLATEFORME D'INTELLIGENCE ARTIFICIELLE MULTIMODALE PRIVEE**
[72] STORM, GREG, US
[72] GHARIBI, GHARIB, US
[72] DAS, RIDDHIMAN, US
[71] TRIPLEBLIND, INC., US
[85] 2022-11-02
[86] 2021-05-06 (PCT/US2021/031012)
[87] (WO2021/226302)
[30] US (63/020,930) 2020-05-06
[30] US (17/180,475) 2021-02-19

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[13] A1
[51] **Int.Cl. A22C 21/00 (2006.01)**
[25] EN
[54] **TRANSPORT APPARATUS FOR TRANSPORTING EVISCERATED POULTRY CARCASSES OR PARTS THEREOF, AND APPARATUS AND METHOD FOR ATTACHING AND PROCESSING THE POULTRY CARCASSES OR PARTS THEREOF**
[54] **DISPOSITIF DE TRANSPORT POUR TRANSPORTER DES CARCASSES DE VOLAILLE EVISCEREES OU DES PARTIES DE CELLES-CI, ET DISPOSITIF ET PROCEDE POUR FIXER ET TRAITER LES CARCASSES DE VOLAILLE OU DES PARTIES DE CELLES-C**
[72] RIGGERT, LASSE, DE
[72] LANDT, ANDREAS, DE
[71] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG, DE
[85] 2022-11-02
[86] 2020-05-15 (PCT/EP2020/063731)
[87] (WO2021/228413)

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[51] **Int.Cl. C07D 239/69 (2006.01) A01N 43/54 (2006.01)**
[25] EN
[54] **MIXTURES AND COMPOSITIONS COMPRISING 5-FLUORO-4-IMINO-3- METHYL-1-TOSYL-3,4-DIHYDROPYRIMIDIN-2-ONE, AND METHODS OF USE THEREOF**
[54] **MELANGES ET COMPOSITIONS COMPRENANT DE LA 5-FLUORO-4-IMINO-3-METHYL-1-TOSYL-3,4-DIHYDROPYRIMIDIN-2-ONE ET LEURS PROCEDES D'UTILISATION**
[72] YARDENI, JENNY, IL
[72] SLOAN, JAMES, GB
[71] ADAMA MAKHTESHIM LTD., IL
[85] 2022-11-02
[86] 2021-05-04 (PCT/IB2021/053762)
[87] (WO2021/224802)
[30] US (63/019,871) 2020-05-04
[30] US (63/024,031) 2020-05-13

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[51] **Int.Cl. A61K 31/4375 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **TLR7/8 ANTAGONISTS FOR THE TREATMENT OF CORONAVIRUS INFECTIONS**
[54] **ANTAGONISTES DE TLR7/8 POUR LE TRAITEMENT D'INFECTIONS A CORONAVIRUS**
[72] DEMARTINO, JULIE A., US
[71] MERCK HEALTHCARE KGAA, DE
[85] 2022-11-02
[86] 2021-05-14 (PCT/US2021/032573)
[87] (WO2021/231941)
[30] US (63/024,683) 2020-05-14
[30] US (63/040,643) 2020-06-18

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[51] **Int.Cl. A61L 27/26 (2006.01) A61L 27/50 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING TROPOELASTIN CROSSLINKED TO HYALURONIC ACID AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS COMPRENANT DE LA TROPOELASTINE RETICULEE A DE L'ACIDE HYALURONIQUE ET LEURS PROCEDES D'UTILISATION**
[72] DANIELS, ROBERT, IE
[72] HEE, CHRISTOPHER K., IE
[72] WEISS, ANTHONY S., IE
[72] MITZMACHER, MICHAL GRAFF, IE
[72] MITHIEUX, SUZANNE M., IE
[71] ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, IE
[85] 2022-11-02
[86] 2021-05-14 (PCT/IB2021/054177)
[87] (WO2021/229544)
[30] US (63/025,078) 2020-05-14

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[51] **Int.Cl. H04H 40/90 (2009.01) H04H 40/18 (2009.01) H04N 21/426 (2011.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED DETERMINATION OF SATELLITE TRANSCEIVER TYPE**
[54] **SYSTEME ET PROCEDE DE DETERMINATION AUTOMATISEE DE TYPE D'EMETTEUR-RECEPTEUR SATELLITE**
[72] PRATT, PAUL RICHARD, GB
[72] PAYNE, ROBERT MICHAEL, GB
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-11-02
[86] 2020-06-03 (PCT/US2020/035965)
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[13] A1
[51] **Int.Cl. A61M 39/10 (2006.01) A61M 39/12 (2006.01)**
[25] EN
[54] **SHAPED MEMORY POLYMER JUNCTIONS**
[54] **JONCTIONS POLYMERES A MEMOIRE DE FORME**
[72] WANTJINARJO, SUWITO, US
[72] SEVINC, ZEHRA, US
[71] CAREFUSION 303, INC., US
[85] 2022-11-02
[86] 2021-05-11 (PCT/US2021/031844)
[87] (WO2021/231478)
[30] US (15/930,209) 2020-05-12

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[51] **Int.Cl. C01G 45/10 (2006.01) C22B 3/08 (2006.01) C22B 3/20 (2006.01) C22B 7/00 (2006.01) C25C 7/06 (2006.01) C22B 47/00 (2006.01) C25C 1/16 (2006.01)**
[25] EN
[54] **A METHOD, A SYSTEM, AND AN APPARATUS FOR PREPARING MANGANESE SULFATE**
[54] **PROCEDE, SYSTEME ET APPAREIL PERMETTANT DE PREPARER DU SULFATE DE MANGANESE**
[72] DE WET, JACOBUS RUDOLPH, US
[72] CASHWELL, WILLIAM JOSEPH II, US
[72] OLIPHANT, KENDALL LEE, US
[71] BEFESA ZINC METAL LLC, US
[85] 2022-11-02
[86] 2021-05-03 (PCT/US2021/030408)
[87] (WO2021/225930)
[30] US (63/021,157) 2020-05-07

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[13] A1
[25] EN
[54] **METHOD AND APPARATUS FOR CONTROLLING POWER OF WIND FARM**
[54] **PROCEDE ET APPAREIL POUR COMMANDER L'ALIMENTATION D'UN PARC EOLIEN**
[72] YU, CHI, CN
[72] XIAO, SHUOWEN, CN
[72] WANG, ZELIN, CN
[71] XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2022-11-02
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[54] **LUNETTES ELECTRO-COMMUTABLES DE TRAITEMENT DE LA MYOPIE**
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[72] GUPTA, AMITAVA, US
[71] ACUCELA INC., US
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[54] **ENSEMBLES DE SUPPORT D'USURE DESTINES A DES FOREUSES DE MONTAGE**
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[72] LOIKKANEN, JOONA, SE
[71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE
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[54] **FORMULATION CONTENANT UN ANTICORPS**
[72] KAMEOKA, DAISUKE, JP
[72] YASUTAKE, MASAYA, JP
[72] FUKUDA, MASAKAZU, JP
[72] WATANABE, ATSUSHI, JP
[72] IGAWA, TOMOYUKI, JP
[72] IMAI, CHIFUMI, JP
[72] HAYASAKA, AKIRA, JP
[71] CHUGAI SEIYAKU KABUSHIKI-KAISHA, JP
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[54] **SYSTEME ROTATIONNEL POUR EQUIPEMENTS HYDROPONIQUES**
[72] BELMONTE MULA, MANUELA, ES
[72] SESMA ABAD, VALENTIN, ES
[71] NEW GROWING SYSTEMS, S.L., ES
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[54] **A WINDOW UNIT FOR A BUILDING OR STRUCTURE**
[54] **UNITE DE FENETRE POUR BATIMENT OU STRUCTURE**
[72] COONEN, STEVEN, AU
[71] CLEARVUE TECHNOLOGIES LTD, AU
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[54] **CORE RETENTION COMPRESSION CLAMP AND METHOD OF INSTALLATION**
[54] **PINCE DE COMPRESSION DE RETENUE DE NOYAU ET PROCEDE D'INSTALLATION D'UN CONDUCTEUR ELECTRIQUE AYANT UN NOYAU COMPOSITE**
[72] MORRIS, RONALD, US
[72] HARRIS, TODD, US
[71] MORRIS, RONALD, US
[71] HARRIS, TODD, US
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[54] **SYSTEM AND METHOD OF MANUFACTURING A COMPOSITE CORE FOR AN ELECTRICAL TRANSMISSION CABLE**
[54] **SYSTEME ET PROCEDE DE FABRICATION D'UNE AME COMPOSITE POUR UN CABLE DE TRANSMISSION ELECTRIQUE**
[72] MCQUARRIE, TERRY, US
[72] MORRIS, RONALD, US
[72] HARRIS, TODD, US
[71] MCQUARRIE, TERRY, US
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[54] **CELLULES SOUCHES POUR LE TRAITEMENT DE TROUBLES RESPIRATOIRES**
[72] LUNDGREN AKERLUND, EVY, SE
[72] LINDSTEDT, SANDRA, SE
[72] UVEBRANT, CHRISTINA, SE
[72] RAMOS MORENO, TANIA, SE
[71] XINTELA AB, SE
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[54] **COMPOSITIONS COSMETIQUES A STABILITE DE COULEUR AMELIOREE POUR PRECURSEUR D'ACIDE RETINOIQUE**
[72] BEKTO, HASIBA, US
[72] HUANG, LEI, US
[72] TRUONG, HANG NGUYET, US
[71] UNILEVER GLOBAL IP LIMITED, GB
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[54] **SYSTEM AND METHOD FOR GENE EXPRESSION AND TISSUE OF ORIGIN INFERENCE FROM CELL-FREE DNA**
[54] **SYSTEME ET PROCEDE D'EXPRESSION GENIQUE ET DE DEDUCTION DE TISSU D'ORIGINE A PARTIR D'ADN ACELLULAIRE**
[72] DIEHN, MAXIMILIAN, US
[72] ALIZADEH, ARASH ASH, US
[72] MEHRMOHAMADI, MAHYA, US
[72] SHAHROKH ESFAHANI, MOHAMMAD, US
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[54] **METIER A TISSER AVEC ENSOUPLES DE GUIDAGE MOBILES**
[72] CASTENS, SYBILLE, DE
[71] CASTENS, SYBILLE, DE
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[54] **PEPTIDE TAGS AND BINDING PARTNERS**
[54] **MARQUEURS PEPTIDIQUES ET PARTENAIRES DE LIAISON**
[72] FOUGEROUX, CYRIELLE ELYETTE, DK
[72] BERTELSEN, ADAM FREDERIK SANDER, DK
[72] THRANE, SUSAN, DK
[71] ADAPTVAC APS, DK
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[54] **MULTI-LINK GROUP ADDRESSED TRAFFIC TRANSMISSION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE SERVICE DE MULTIDIFFUSION APPROPRIES POUR DES LIAISONS MULTIPLES**
[72] GAN, MING, CN
[72] LIANG, DANDAN, CN
[72] LI, YIQING, CN
[72] GUO, YUCHEN, CN
[72] LI, YUNBO, CN
[72] YU, JIAN, CN
[72] YANG, XUN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **BI-FOLD OVERHEAD DOOR WITH CONCEALED HYDRAULIC CYLINDER**
[54] **PORTE BASCULANTE A DEUX VOLETS A VERIN HYDRAULIQUE DISSIMULE**
[72] PETERSON, RICHARD ERNEST, US
[71] POWERLIFT DOOR CONSULTANTS, INC., US
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[72] LUO, PETER PEIZHI, CN
[72] LIU, GUIZHONG, CN
[72] GONG, CHANGHUA, US
[71] ADAGENE AG, CH
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[54] **DEVICE FOR ADJUSTING A SEAT POSITION OF A BICYCLE SEAT**
[54] **DISPOSITIF POUR LE REGLAGE D'UNE POSITION DE SIEGE D'UN SIEGE DE BICYCLETTE**
[72] WATSON, DAVID, CA
[72] NAMVAR, SAMAN, CA
[71] GREENROOM HOLDINGS LTD., CA
[85] 2022-11-02
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[54] **PROTEASE FORMULATION FOR TREATMENT OF MICROBIAL INFECTIONS**
[54] **FORMULATION DE PROTEASES POUR LE TRAITEMENT D'INFECTIONS MICROBIENNES**
[72] CLARSUND, MATS, SE
[71] ZYMIQ TECHNOLOGY AB, SE
[85] 2022-11-02
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[54] **MAGNETIC CARBON NANOMATERIALS AND METHODS OF MAKING SAME**
[54] **NANOMATERIAUX MAGNETIQUES A BASE DE CARBONE ET LEURS PROCEDES DE FABRICATION**
[72] LICHT, STUART, US
[71] C2CNT LLC, US
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[54] **DEVICE FOR PREPARING AND DISPENSING RECONSTITUTED BEER**
[54] **DISPOSITIF DE PREPARATION ET DE DISTRIBUTION DE BIERE RECONSTITUEE**
[72] BROUWER, ERIC RICHARD, NL
[72] BEKKERS, AUGUSTINUS CORNELIUS ALDEGONDE PETRUS ALBERT, NL
[71] HEINEKEN SUPPLY CHAIN B.V., NL
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[54] **PANTALON COMPRENANT UN SYSTEME DE CEINTURE**
[72] WAGNER, ARMIN, SI
[71] UNI&FORMA D.O.O., SI
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[54] **METHOD FOR ACTIVATING A FUEL CELL**
[54] **METHODE D'ACTIVATION D'UNE PILE A COMBUSTIBLE**
[72] GUENOT, BENOIT, FR
[72] RAKOTONDRAINIBE, ANDRE, FR
[72] HAMMADI, YACINE, FR
[71] ALSTOM HYDROGENE SAS, FR
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[51] **Int.Cl. A61K 35/17 (2015.01) A61K 38/47 (2006.01) A61K 38/48 (2006.01)**
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[54] **METHODS FOR ENHANCING ADOPTIVE CELL TRANSFER IMMUNOTHERAPIES**
[54] **METHODES D'AMELIORATION D'IMMUNOTHERAPIES PAR TRANSFERT ADOPTIF DE CELLULES**
[72] KJELLMAN, CHRISTIAN, SE
[71] HANSA BIOPHARMA AB, SE
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR REDUCING INTRAOCULAR PRESSURE**
[54] **METHODES ET COMPOSITIONS PERMETTANT DE REDUIRE LA PRESSION INTRAOCULAIRE**
[72] CHAE, JE MIN, US
[72] ETHIER, CHRISTOPHER ROSS, US
[72] JUNG, JAE HWAN, KR
[72] PRAUSNITZ, MARK R., US
[71] GEORGIA TECH RESEARCH CORPORATION, US
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[54] **DETECTION DE PROTEINES DE COMPLEMENT**
[72] BISHOP, PAUL, GB
[72] CLARK, SIMON, DE
[72] UNWIN, RICHARD, GB
[71] COMPLEMENT THERAPEUTICS LIMITED, GB
[85] 2022-11-03
[86] 2021-05-06 (PCT/EP2021/062077)
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[51] **Int.Cl. H01M 10/04 (2006.01)**
[25] EN
[54] **BATTERY, POWER CONSUMPTION DEVICE, METHOD AND DEVICE FOR PRODUCING BATTERY**
[54] **BATTERIE, DISPOSITIF DE CONSOMMATION D'ENERGIE, METHODE ET DISPOSITIF DEPRODUCTION DE LA BATTERIE**
[72] LI, XIANDA, CN
[72] CHEN, XIAOBO, CN
[72] LI, YAO, CN
[72] HU, LU, CN
[72] YUE, JINRU, CN
[72] YANG, PIAOPIAO, CN
[72] GU, MINGGUANG, CN
[71] CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED, CN
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[54] **SYSTEME DE SORTIE POUR UNE CAGE D'AQUACULTURE**
[72] BERGAN, HAKON FRANK, NO
[71] NEKKAR AS, NO
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[25] EN
[54] **BETA THYMOSIN PEPTIDES FOR TREATING VIRAL INFECTIONS**
[54] **PEPTIDES DE THYMOSINE BETA POUR LE TRAITEMENT D'INFECTIONS VIRALES**
[72] GOLDSTEIN, ALLAN L., US
[72] SOSNE, GABRIEL, US
[72] FINKELSTEIN, JACK JR., US
[71] REGENERX BIOPHARMACEUTICALS, INC., US
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[25] FR
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[54] **SYSTEME RADAR MONOSTATIQUE A ONDES CONTINUES MODULEES EN FREQUENCE AMELIORE ET PROCEDE DE CALIBRATION ASSOCIE**
[72] MAZEAU, THIERRY, FR
[72] COTTRON, RODOLPHE, FR
[72] HODE, JEAN MICHEL, FR
[71] THALES, FR
[85] 2022-11-03
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[25] EN
[54] **SINGLE DOMAIN ANTIBODIES BINDING TO SARS-COV-2 SPIKE PROTEIN**
[54] **ANTICORPS A DOMAINE UNIQUE SE LIANT A LA PROTEINE DE SPICULE DU SRAS-COV-2**
[72] HUO, JIANGDONG, GB
[72] OWENS, RAYMOND, GB
[72] NAISMITH, JAMES, GB
[72] STUART, DAVID, GB
[71] THE ROSALIND FRANKLIN INSTITUTE, GB
[71] DIAMOND LIGHT SOURCE LIMITED, GB
[71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
[85] 2022-11-03
[86] 2021-05-04 (PCT/GB2021/051069)
[87] (WO2021/224606)
[30] GB (2006589.2) 2020-05-04
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[25] EN
[54] **CONCEALED STRUCTURAL CONNECTOR**
[54] **CONNECTEUR STRUCTUREL DISSIMULE**
[72] BREKKE, STEVEN, US
[72] KORTENBUSCH, TRENT, US
[71] MITEK HOLDINGS, INC, US
[85] 2022-11-03
[86] 2021-05-03 (PCT/US2021/030417)
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[54] **NEUTRALIZING ANTIBODIES THAT BIND THE SARS-COV-2 S PROTEIN**
[54] **ANTICORPS NEUTRALISANTS SE LIANT A LA PROTEINE S DE SARS-COV-2**
[72] ZHOU, HEYUE, US
[72] CAO, XIA, US
[72] LU, LUCY, US
[72] YAN, YING, US
[72] ZHANG, YANLIANG, US
[72] JI, HENRY HONGJUN, US
[72] ALLEN, ROBERT, US
[71] SORRENTO THERAPEUTICS, INC., US
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[30] US (63/020,952) 2020-05-06
[30] US (63/027,812) 2020-05-20
[30] US (63/063,017) 2020-08-07
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[54] **SYSTEMS AND METHODS FOR DETECTING PROXIMITY EVENTS**
[54] **SYSTEMES ET PROCEDES DE DETECTION D'EVENEMENTS DE PROXIMITE**
[72] FISCHETTI, DANIEL L., US
[72] LOCASCIO, NICHOLAS J., US
[72] JAISWAL, PRERIT, US
[71] STANDARD COGNITION, CORP., US
[85] 2022-11-03
[86] 2021-05-06 (PCT/US2021/031173)
[87] (WO2021/226392)
[30] US (63/022,343) 2020-05-08

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[51] **Int.Cl. A61K 35/17 (2015.01) A61K 39/00 (2006.01) A61P 35/02 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **CELL**
[54] **CELLULE**
[72] SRIVASTAVA, SAKET, GB
[72] CORDOBA, SHAUN, GB
[72] ONUOHA, SHIMOBI, GB
[72] THOMAS, SIMON, GB
[72] PULE, MARTIN, GB
[71] AUTOLUS LIMITED, GB
[85] 2022-11-03
[86] 2021-05-06 (PCT/GB2021/051099)
[87] (WO2021/224629)
[30] GB (2006820.1) 2020-05-07

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[13] A1
[51] **Int.Cl. B03C 3/16 (2006.01) B01D 46/42 (2006.01) B03C 3/41 (2006.01) B03C 3/53 (2006.01)**
[25] EN
[54] **GAS SHUT-OFF IN A PARTICULATE REMOVAL DEVICE AND METHOD**
[54] **COUPURE DE GAZ DANS UN DISPOSITIF ET UN PROCEDE D'ELIMINATION DE PARTICULES**
[72] CASH, JAMES, US
[72] RUDOLPH, JEFFREY, US
[71] DURR SYSTEMS, INC., US
[85] 2022-11-03
[86] 2021-02-05 (PCT/US2021/016727)
[87] (WO2021/081564)
[30] US (63/033,372) 2020-06-02

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[13] A1
[51] **Int.Cl. B29C 64/393 (2017.01) B33Y 10/00 (2015.01) B33Y 50/00 (2015.01) B33Y 50/02 (2015.01) B29C 64/118 (2017.01) B64F 5/10 (2017.01) G06F 30/10 (2020.01) B29C 70/38 (2006.01)**
[25] EN
[54] **METHOD OF REALIZATION OF AN ITEM FOR AERONAUTICAL APPLICATION WITH HYBRID COMPOSITE MATERIALS BY MEANS OF ADDITIVE TECHNOLOGY**
[54] **PROCEDE DE REALISATION D'UN ARTICLE POUR APPLICATION AERONAUTIQUE MUNI DE MATERIAUX COMPOSITES HYBRIDES AU MOYEN D'UNE TECHNOLOGIE ADDITIVE**
[72] ACERRA, FRANCESCO, IT
[72] DE POMPEIS, FABIO, IT
[72] IANNUZZO, GENEROSO, IT
[71] LEONARDO SPA, IT
[85] 2022-11-03
[86] 2021-05-06 (PCT/IB2021/053839)
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[30] IT (102020000010120) 2020-05-06

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[13] A1
[51] **Int.Cl. A61K 31/137 (2006.01) A61K 45/06 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING SYMPTOMS OF VIRAL INFECTIONS**
[54] **METHODE DE TRAITEMENT DE SYMPTOMES D'INFECTIONS VIRALES**
[72] WAINER, IRVING W., US
[71] WAINER, IRVING W., US
[85] 2022-11-03
[86] 2021-05-04 (PCT/US2021/030577)
[87] (WO2021/226024)
[30] US (63/020,365) 2020-05-05

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[13] A1
[51] **Int.Cl. G21C 3/08 (2006.01) G21C 3/338 (2006.01)**
[25] EN
[54] **NUCLEAR FUEL ASSEMBLY WITH MULTI-PITCH WIRE WRAP**
[54] **ASSEMBLAGE DE COMBUSTIBLE NUCLEAIRE AVEC ENROULEMENT DE CONNEXION A PAS MULTIPLES**
[72] JOHNSON, BRIAN C., US
[71] TERRAPOWER, LLC, US
[85] 2022-11-03
[86] 2021-03-04 (PCT/US2021/020958)
[87] (WO2022/039785)
[30] US (63/066,778) 2020-08-17
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[25] EN
[54] **NEW COMPOSITIONS AND METHODS OF TREATING COVID-19 DISEASE**
[54] **NOUVELLES COMPOSITIONS ET PROCEDES DE TRAITEMENT DE LA COVID-19**
[72] BERGER, PATRICK, FR
[72] DUPIN, ISABELLE, FR
[72] PREVEL, RENAUD, FR
[72] JAMES, CHLOE, FR
[72] GIRODET, PIERRE-OLIVIER, FR
[72] BISMUTH, KEREN, FR
[72] RATTENBACH, REVITAL, FR
[72] BRETON, JEROME, FR
[72] TROTTEIN, FRANCOIS, FR
[72] SENCIO, VALENTIN, FR
[71] 4LIVING BIOTECH, FR
[71] UNIVERSITE DE BORDEAUX, FR
[71] CENTRE HOSPITALIER DE BORDEAUX, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE - INSERM, FR
[71] INSTITUT PASTEUR DE LILLE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] UNIVERSITE DE LILLE, FR
[85] 2022-11-03
[86] 2021-05-05 (PCT/EP2021/061919)
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[30] EP (20173595.8) 2020-05-07

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/198 (2006.01) A61K 31/405 (2006.01) A61P 11/06 (2006.01) A61P 31/14 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **FORMULATIONS AND METHODS FOR TREATING ACUTE RESPIRATORY DISTRESS SYNDROME, ASTHMA, OR ALLERGIC RHINITIS**
[54] **FORMULATIONS ET PROCEDES DE TRAITEMENT DU SYNDROME DE DETRESSE RESPIRATOIRE AIGUE, DE L'ASTHME, OU DE LA RHINITE D'ORIGINE ALLERGIQUE**
[72] VIDYASAGAR, SADASIVAN, US
[72] GROSCHE, ASTRID, US
[72] XU, XIAODONG, US
[72] ANGOLI, DAMIANO, US
[72] GATTO, STEPHEN J., US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[71] ENTRINSIC, INC., US
[85] 2022-11-03
[86] 2021-05-28 (PCT/US2021/034807)
[87] (WO2021/243183)
[30] US (63/032,185) 2020-05-29
[30] US (63/088,813) 2020-10-07
[30] US (63/080,470) 2020-09-18
[30] US (63/136,404) 2021-01-12

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[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/63 (2006.01)**
[25] FR
[54] **USE OF A DEFICIENT FUSION PROTEIN FOR NUCLEASE ACTIVITY SO AS TO INDUCE MEIOTIC RECOMBINATIONS**
[54] **UTILISATION D'UNE PROTEINE DE FUSION DEFICIENTE POUR L'ACTIVITE NUCLEASE POUR INDUIRE DES RECOMBINAISONS MEIOTIQUES**
[72] SERERO, ALEXANDRE, FR
[72] NICOLAS, ALAIN, FR
[71] MEIOGENIX, FR
[71] INSTITUT CURIE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] SARBONNE UNIVERSITE, FR
[85] 2022-11-03
[86] 2021-05-20 (PCT/FR2021/050919)
[87] (WO2021/234317)
[30] FR (FR2005361) 2020-05-20

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[13] A1
[51] **Int.Cl. H01L 23/46 (2006.01)**
[25] EN
[54] **ELECTRONIC DEVICE COOLING SYSTEMS USING COOLED FLUID AND CONTROL OF SAME**
[54] **SYSTEMES DE REFROIDISSEMENT DE DISPOSITIF ELECTRONIQUE UTILISANT UN FLUIDE REFROIDI ET COMMANDE DE CELUI-CI**
[72] MIOZZA, MAURIZIO, US
[72] MARKEVITCH, MANFRED, US
[72] CHIARAPPA, MARCO, US
[72] NARDUCCI, DARIO, IT
[71] GEMATEG INC., US
[85] 2022-11-03
[86] 2021-05-12 (PCT/US2021/032053)
[87] (WO2021/231620)
[30] US (63/023,774) 2020-05-12

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[13] A1
[51] **Int.Cl. G21C 13/00 (2006.01) G21C 13/087 (2006.01) G21C 13/093 (2006.01) G21C 13/10 (2006.01) G21C 21/00 (2006.01)**
[25] EN
[54] **MODULAR MANUFACTURE, DELIVERY, AND ASSEMBLY OF NUCLEAR REACTOR BUILDING SYSTEMS**
[54] **FABRICATION, DISTRIBUTION ET ASSEMBLAGE MODULAIRES DE SYSTEMES DE CONSTRUCTION DE REACTEUR NUCLEAIRE**
[72] BASS, DEREK, US
[72] DIMITRI, MICHAEL F., US
[72] JOHNSON, BRIAN C., US
[72] KANEKO, CALEN, US
[72] MARTIN, CHRISTOPHER A, US
[72] MOSIER, SEAN T., US
[72] SCHLOSS, PHILIP M., US
[72] SMITH, NATHAN, US
[72] WERNER, MARK R., US
[71] TERRAPOWER, LLC, US
[85] 2022-11-03
[86] 2021-04-19 (PCT/US2021/028007)
[87] (WO2022/039798)
[30] US (63/066,778) 2020-08-17

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[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 38/49 (2006.01) A61K 38/58 (2006.01) A61P 7/02 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **TREATMENT OF THROMBOSIS AND ASSOCIATED DISORDERS WITH AN ANTI-PLATELET AGENT.**
[54] **TRAITEMENT DE LA THROMBOSE ET DE TROUBLES ASSOCIES A L'AIDE D'UN AGENT ANTIPLAQUETTAIRE**
[72] JACKSON, SHAUN, AU
[72] SCHOENWAELDER, SIMONE, AU
[71] THE HEART RESEARCH INSTITUTE LTD, AU
[71] THE UNIVERSITY OF SYDNEY, AU
[85] 2022-11-03
[86] 2021-05-14 (PCT/AU2021/050454)
[87] (WO2021/226677)
[30] AU (2020901558) 2020-05-14

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[13] A1
[51] **Int.Cl. B25J 9/04 (2006.01)**
[25] EN
[54] **PACKAGING TESTING DEVICE**
[54] **DISPOSITIF D'ESSAI DE CONDITIONNEMENT**
[72] WELTON, JAMES E., US
[71] H.B. FULLER COMPANY, US
[85] 2022-11-03
[86] 2021-06-21 (PCT/US2021/070736)
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[30] US (63/042,265) 2020-06-22

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[51] **Int.Cl. G21C 3/08 (2006.01) G21C 3/338 (2006.01) G21C 13/087 (2006.01) G21C 13/093 (2006.01) G21C 13/10 (2006.01)**
[25] EN
[54] **MODULAR MANUFACTURE, DELIVERY, AND ASSEMBLY OF NUCLEAR REACTOR CORE SYSTEMS**
[54] **FABRICATION, DISTRIBUTION ET ASSEMBLAGE MODULAIRES DE SYSTEMES DE COEUR DE REACTEUR NUCLEAIRE**
[72] BASS, DEREK, US
[72] CHEATHAM, JESSE R. III, US
[72] HEJZLAR, PAVEL, US
[72] JOHNSON, BRIAN C., US
[72] KANEKO, CALEN, US
[72] MARTIN, CHRISTOPHER A., US
[72] MOSIER, SEAN, US
[72] SCHLOSS, PHILIP M., US
[72] SMITH, NATHAN, US
[72] WERNER, MARK R., US
[72] KANDABAROW, NICHOLAS, US
[71] TERRAPOWER, LLC, US
[85] 2022-11-03
[86] 2021-04-19 (PCT/US2021/028009)
[87] (WO2022/039799)
[30] US (63/066,778) 2020-08-17

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[13] A1
[51] **Int.Cl. A62B 18/02 (2006.01) A61L 9/16 (2006.01) A62B 7/12 (2006.01) A62B 9/04 (2006.01) A62B 18/08 (2006.01) A62B 23/02 (2006.01) B03C 3/011 (2006.01)**
[25] EN
[54] **Z-SHIELDTM FILTERED AIR PROTECTIVE SYSTEM**
[54] **SYSTEME DE PROTECTION D'AIR FILTRE Z-SHIELDTM**
[72] PACHOUD, WILLIAM, US
[72] CHAPEL, STEVE, US
[71] ZONIT STRUCTURED SOLUTIONS, LLC, US
[85] 2022-11-03
[86] 2021-04-05 (PCT/US2021/025818)
[87] (WO2021/207098)
[30] US (63/005,343) 2020-04-05
[30] US (63/012,037) 2020-04-17

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[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/10 (2006.01)**
[25] FR
[54] **USE OF A FUSION PROTEIN FOR INDUCING GENETIC MODIFICATIONS BY TARGETED MEIOTIC RECOMBINATION**
[54] **UTILISATION D'UNE PROTEINE DE FUSION POUR INDUIRE DES MODIFICATIONS GENETIQUES PAR RECOMBINAISON MEIOTIQUE CIBLEE**
[72] SERERO, ALEXANDRE, FR
[72] NICOLAS, ALAIN, FR
[71] MEIOGENIX, FR
[71] INSTITUT CURIE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] SARBONNE UNIVERSITE, FR
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[86] 2021-05-20 (PCT/FR2021/050917)
[87] (WO2021/234315)
[30] FR (FR2005370) 2020-05-20

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[13] A1
[51] **Int.Cl. H04N 19/577 (2014.01) H04N 19/59 (2014.01)**
[25] EN
[54] **A METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR VIDEO ENCODING AND VIDEO DECODING**
[54] **PROCEDE, APPAREIL ET PRODUIT-PROGRAMME INFORMATIQUE POUR CODAGE VIDEO ET DECODAGE VIDEO**
[72] GHAZNAVI YOUVALARI, RAMIN, FI
[72] LAINEMA, JANI, FI
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2022-11-03
[86] 2021-05-27 (PCT/EP2021/064190)
[87] (WO2021/244935)
[30] US (63/034,120) 2020-06-03

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[13] A1
[51] **Int.Cl. A61K 31/167 (2006.01) A61K 31/352 (2006.01) A61K 47/44 (2017.01) A61P 17/02 (2006.01) A61P 23/02 (2006.01)**
[25] EN
[54] **TOPICAL ANTI-INFLAMMATORY CANNABINOID COMPOSITIONS**
[54] **COMPOSITIONS DE CANNABINOIDE ANTI-INFLAMMATOIRES TOPIQUES**
[72] COHN, JONATHAN, US
[71] AGRONOMED MANAGEMENT, LLC, US
[85] 2022-11-03
[86] 2021-05-04 (PCT/US2021/030671)
[87] (WO2021/226099)
[30] US (63/019,840) 2020-05-04
[30] US (63/025,663) 2020-05-15

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[13] A1
[51] **Int.Cl. A23L 5/20 (2016.01) A23L 13/00 (2016.01) A23L 17/00 (2016.01)**
[25] EN
[54] **RICE BRAN EXTRACT COMPOSITIONS, AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSITIONS D'EXTRAIT DE SON DE RIZ, ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] SOMA, PAVAN KUMAR, US
[72] VANALSTYNE, PETER, US
[71] FLORIDA FOOD PRODUCTS, LLC, US
[85] 2022-11-03
[86] 2021-05-06 (PCT/US2021/031155)
[87] (WO2021/226378)
[30] US (63/020,596) 2020-05-06
[30] US (17/313,767) 2021-05-06

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[13] A1
[25] EN
[54] **COMPUTER-BASED SYSTEMS OF MICROSERVICE ORCHESTRATION BASED ON BOUNDED CONTEXTS AND METHODS OF USE THEREOF**
[54] **SYSTEMES INFORMATIQUES D'ORCHESTRATION DE MICROSERVICES BASES SUR DES CONTEXTES LIMITES ET LEURS PROCEDES D'UTILISATION**
[72] BROCATO, JIM, US
[72] SILVA, ALBERTO, US
[72] LOMBARDI, VICTOR, US
[72] BOWERS, CHRISTOPHER, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-11-03
[86] 2021-05-04 (PCT/US2021/030578)
[87] (WO2021/226025)
[30] US (16/867,231) 2020-05-05

[21] **3,177,800**
[13] A1
[51] **Int.Cl. A61L 9/20 (2006.01)**
[25] EN
[54] **SYSTEMS, APPARATUS AND METHODS FOR PURIFYING AIR**
[54] **SYSTEMES, APPAREIL ET PROCEDES DE PURIFICATION D'AIR**
[72] PISHARODI, MADHAVAN, US
[71] PISHARODI, MADHAVAN, US
[85] 2022-11-03
[86] 2020-08-06 (PCT/US2020/045215)
[87] (WO2021/225614)
[30] US (63/022,307) 2020-05-08
[30] US (63/029,290) 2020-05-22

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[13] A1
[51] **Int.Cl. G06Q 50/02 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MANAGING AGRICULTURAL PROCESSES**
[54] **PROCEDE ET SYSTEME DE GESTION DE PROCESSUS AGRICOLES**
[72] SCHEUERMANN, ENRICO B., DE
[72] RATKE, CHRISTOPH, DE
[72] WRAY, CHRISTOPHER, DE
[72] QUANTMEYER, CHRISTIAN, DE
[72] STOFFREGEN, JAN-PATRICK, DE
[72] JEBSEN, CHRISTIAN, DE
[72] WIECHERS, DIRK, DE
[71] KWS SAAT SE & CO. KGAA, DE
[85] 2022-11-03
[86] 2021-06-11 (PCT/EP2021/065786)
[87] (WO2021/250241)
[30] EP (20179419.5) 2020-06-11

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[13] A1
[25] EN
[54] **CONTINUOUS SCANNING OPTICAL ASSEMBLY AND METHOD OF USE THEREOF**
[54] **ENSEMBLE OPTIQUE A BALAYAGE CONTINU ET SON PROCEDE D'UTILISATION**
[72] TAYLOR, ROGER, US
[72] BOWEN, MICHAEL SHANE, US
[72] BRABON, GEORGE, US
[72] ADAMS, MICHAEL, US
[72] HAWKINS, JEFF, US
[71] TRUVIAN SCIENCES, INC., US
[85] 2022-11-03
[86] 2021-05-18 (PCT/US2021/033021)
[87] (WO2021/236683)
[30] US (63/026,589) 2020-05-18

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[13] A1
[51] **Int.Cl. A61M 5/28 (2006.01) A61M 5/32 (2006.01) A61M 5/46 (2006.01)**
[25] EN
[54] **CAPSULE, DEVICE, SYSTEM AND METHOD FOR AUTOMATICALLY-CONTROLLED PARENTERAL ADMINISTRATION OF A MEDICAMENT PERFORMED BY INJECTION**
[54] **CAPSULE, DISPOSITIF, SYSTEME ET METHODE D'ADMINISTRATION PARENTERALE A COMMANDE AUTOMATIQUE D'UN MEDICAMENT PAR INJECTION**
[72] BARBOSA DE ABREU SOUSA E BATISTA, MIGUEL AFONSO, PT
[72] BARBOSA DE ABREU E SOUSA, ARMANDO MIGUEL, PT
[72] HOLM, JENS, PT
[71] BARBOSA DE ABREU E SOUSA, ARMANDO MIGUEL, PT
[85] 2022-11-03
[86] 2021-05-04 (PCT/IB2021/053700)
[87] (WO2021/224771)
[30] IT (102020000010015) 2020-05-06

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[13] A1
[51] **Int.Cl. E01C 19/21 (2006.01)**
[25] FR
[54] **METHOD FOR RENOVATING A ROADWAY AND MACHINE FOR SIMULTANEOUS SPREADING OF FIBRES AND BITUMEN EMULSION**
[54] **PROCEDE DE RENOVATION D'UNE CHAUSSEE DE CIRCULATION DE VEHICULES ET MACHINE DE REPANDAGE SIMULTANE DE FIBRES ET D'EMULSION DE BITUME**
[72] WESENBERG, NELSON.K, US
[72] FORT, JEAN-PAUL, US
[71] COLAS, FR
[85] 2022-11-03
[86] 2021-05-04 (PCT/EP2021/061759)
[87] (WO2021/224282)
[30] FR (FR2004460) 2020-05-05

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[13] A1
[51] **Int.Cl. G06T 7/11 (2017.01) G06T 7/136 (2017.01)**
[25] EN
[54] **MATERIAL PROPERTIES FROM TWO-DIMENSIONAL IMAGE**
[54] **PROPRIETES DE MATERIAU A PARTIR D'UNE IMAGE BIDIMENSIONNELLE**
[72] GETTEMY, GLEN L., US
[72] CHAKRABORTY, NIRJHOR, US
[72] SAIDIAN, MILAD, US
[71] BP CORPORATION NORTH AMERICA INC., US
[85] 2022-11-03
[86] 2021-05-10 (PCT/US2021/031619)
[87] (WO2021/226595)
[30] US (63/021,885) 2020-05-08

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[13] A1
[51] **Int.Cl. A01G 24/23 (2018.01)**
[25] EN
[54] **CONTAINER SUBSTRATE COMPRESSION PROCESS AND PRODUCT**
[54] **PROCEDE ET PRODUIT DE COMPRESSION DE SUBSTRAT DE RECIPIENT**
[72] NORDEN, DANIEL SCOTT, US
[72] KNAUER, RYAN MICHAEL, US
[72] BOWERS, GARY LANE, US
[72] SPITTLE, KEVIN SCOTT, US
[71] PROFILE PRODUCTS L.L.C., US
[85] 2022-11-03
[86] 2021-05-07 (PCT/US2021/031255)
[87] (WO2021/226435)
[30] US (63/021,533) 2020-05-07

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[13] A1
[51] **Int.Cl. A61B 5/15 (2006.01) A61B 10/00 (2006.01)**
[25] EN
[54] **A POINT OF CARE DEVICE**
[54] **DISPOSITIF DE POINT DE SOINS**
[72] ANHOLD, HEINRICH, IE
[72] CANDON, RUTH, IE
[71] ABACUSLABS LTD., IE
[85] 2022-11-03
[86] 2021-05-14 (PCT/EP2021/062893)
[87] (WO2021/229085)
[30] GB (2007183.3) 2020-05-15

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[13] A1
[51] **Int.Cl. C12N 1/04 (2006.01) A23K 10/10 (2016.01) A23K 30/18 (2016.01) A61P 43/00 (2006.01) C05F 11/08 (2006.01) C05G 3/00 (2020.01) C12N 1/00 (2006.01) C12N 1/20 (2006.01)**
[25] FR
[54] **USE OF POLYAMINES, TYRAMINE AND/OR A PLANT EXTRACT CONTAINING SAME TO STABILISE MICROORGANISMS**
[54] **UTILISATION DE POLYAMINES, DE TYRAMINE ET/OU D'UN EXTRAIT VEGETAL EN CONTENANT POUR STABILISER DES MICRO-ORGANISMES**
[72] BRIAND, XAVIER, FR
[72] HOUDUSSE, FABRICE, FR
[72] COMBY, MORGANE, FR
[72] BEZIAT, MATTHIEU C, FR
[71] AGRO INNOVATION INTERNATIONAL, FR
[85] 2022-11-03
[86] 2021-05-18 (PCT/FR2021/050855)
[87] (WO2021/234262)
[30] FR (FR2005016) 2020-05-19

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **METHODS FOR THE TREATMENT OF NUCLEOTIDE REPEAT EXPANSION DISORDERS ASSOCIATED WITH MSH3 ACTIVITY**
[54] **PROCEDES POUR LE TRAITEMENT DE TROUBLES DE L'EXPANSION DE LA REPETITION DES NUCLEOTIDES ASSOCIES A L'ACTIVITE DE MSH3**
[72] BERMINGHAM, NESSAN ANTHONY, US
[72] BETTENCOURT, BRIAN R., US
[72] BIALEK, PETER EDWARD, US
[71] TRIPLET THERAPEUTICS, INC., US
[85] 2022-11-03
[86] 2021-05-07 (PCT/US2021/031428)
[87] (WO2021/226549)
[30] US (63/022,134) 2020-05-08

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) G06T 7/11 (2017.01) G06T 7/136 (2017.01)**
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[54] **MATERIAL PROPERTIES FROM TWO-DIMENSIONAL IMAGE**
[54] **PROPRIETES DE MATERIAU A PARTIR D'UNE IMAGE BIDIMENSIONNELLE**
[72] CHAKRABORTY, NIRJHOR, US
[72] GETTEMY, GLEN L., US
[71] BP CORPORATION NORTH AMERICA INC., US
[85] 2022-11-03
[86] 2021-05-10 (PCT/US2021/031617)
[87] (WO2021/226594)
[30] US (63/021,885) 2020-05-08

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[51] **Int.Cl. G01N 33/02 (2006.01) G16H 20/60 (2018.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR VISUAL-AWARE HIERARCHY-BASED OBJECT RECOGNITION**
[54] **PROCEDES ET APPAREIL POUR LA RECONNAISSANCE D'OBJET BASEE SUR LA HIERARCHIE AVEC PERCEPTION VISUELLE**
[72] DELP, EDWARD JOHN III, US
[72] EICHER-MILLER, HEATHER ANN, US
[72] HE, JIANGPENG, US
[72] LIN, LUOTAO, US
[72] MAO, RUNYU, US
[72] SHAO, ZEMAN, US
[72] YARLAGADDA, SRI KALYAN, US
[72] ZHU, FENGQING MAGGIE, US
[71] ELI LILLY AND COMPANY, US
[85] 2022-11-03
[86] 2021-04-28 (PCT/US2021/029610)
[87] (WO2021/225842)
[30] US (63/020,571) 2020-05-06

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[51] **Int.Cl. C01B 32/977 (2017.01) H01M 8/10 (2016.01)**
[25] EN
[54] **POROUS SILICON OXYCARBIDE COMPOSITE MATERIAL AND METHOD FOR MANUFACTURING SAME**
[54] **MATERIAU COMPOSITE D'OXYCARBURE DE SILICIUM POREUX, ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] GOTO, YUSAKU, JP
[72] KATO, SHINJI, JP
[71] DIC CORPORATION, JP
[85] 2022-11-03
[86] 2021-04-27 (PCT/JP2021/016726)
[87] (WO2021/225092)
[30] JP (2020-082098) 2020-05-07

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **ANTIBODIES TARGETING CLEC12A AND USE THEREOF**
[54] **ANTICORPS CIBLANT CLEC12A ET LEUR UTILISATION**
[72] BARUAH, HEMANTA, US
[72] CHANG, GREGORY P., US
[72] CHEUNG, ANN F., US
[72] GRINBERG, ASYA, US
[71] DRAGONFLY THERAPEUTICS, INC., US
[85] 2022-11-03
[86] 2021-05-05 (PCT/US2021/030773)
[87] (WO2021/226163)
[30] US (63/020,806) 2020-05-06

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[13] A1
[51] **Int.Cl. A61K 39/42 (2006.01) A61P 11/00 (2006.01) A61P 31/12 (2006.01) C07K 16/08 (2006.01)**
[25] EN
[54] **REDUCTION OF VIRAL DISEASE TRANSMISSION BY AVIAN ANTIBODIES**
[54] **REDUCTION DE LA TRANSMISSION D'UNE MALADIE VIRALE PAR DES ANTICORPS AVIAIRES**
[72] SIMPLOT, SCOTT, US
[72] MITTENESS, BRADLEY M., US
[72] HAWKINS, MICHELLE, US
[72] HULL, JASON, US
[72] ROBLEY, BRIAN, US
[72] LARSON, PHILIP, US
[72] BRIELMAIER, MICHAEL, US
[72] WILLAERT, BENJAMIN, US
[72] HARKINS, VERGENE, US
[71] CAMAS INCORPORATED, US
[85] 2022-11-03
[86] 2021-05-06 (PCT/US2021/031127)
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[30] US (63/022,251) 2020-05-08

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[13] A1
[51] **Int.Cl. F41A 3/66 (2006.01)**
[25] EN
[54] **CONNECTION FOR CONNECTING UPPER AND LOWER RECEIVER OF A WEAPON**
[54] **LIAISON POUR RELIER UNE CARCASSE SUPERIEURE ET UNE CARCASSE INFERIEURE D'UNE ARME**
[72] SCHRODL, CHRISTOPH, FI
[71] SAKO OY, FI
[85] 2022-11-03
[86] 2021-05-12 (PCT/FI2021/050352)
[87] (WO2021/234219)
[30] FI (20205511) 2020-05-20

[21] **3,177,823**
[13] A1
[51] **Int.Cl. A01C 7/12 (2006.01)**
[25] EN
[54] **METERING DEVICE FOR AN AGRICULTURAL MACHINE**
[54] **DISPOSITIF DE DOSAGE POUR UNE MACHINE AGRICOLE**
[72] GOTZEN, CHRISTIAN, DE
[72] BERGERFURTH, DENNIS, DE
[72] VALTWIES, BERND, DE
[71] LEMKEN GMBH & CO KG, DE
[85] 2022-11-03
[86] 2021-05-07 (PCT/DE2021/100420)
[87] (WO2021/223817)
[30] DE (10 2020 002 762.8) 2020-05-08

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[13] A1
[51] **Int.Cl. C21D 6/00 (2006.01) C21D 6/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/16 (2006.01) C22C 38/18 (2006.01) C22C 38/38 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING ADVANCED HIGH STRENGTH STEEL**
[54] **PROCEDE POUR LE TRAITEMENT D'UN ACIER A HAUTE RESISTANCE AVANCE**
[72] SKSZEK, TIMOTHY W., US
[71] MAGNA INTERNATINAL INC., CA
[85] 2022-11-03
[86] 2021-05-18 (PCT/US2021/032936)
[87] (WO2021/236619)
[30] US (63/026,230) 2020-05-18

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[13] A1
[51] **Int.Cl. C12P 7/10 (2006.01) C07K 14/395 (2006.01)**
[25] EN
[54] **METHOD OF MODIFYING A YEAST STRAIN, MODIFIED YEAST STRAINS OBTAINED THEREBY AND USES THEREOF**
[54] **PROCEDE DE MODIFICATION D'UNE SOUCHE DE LEVURE, SOUCHES DE LEVURE MODIFIEES OBTENUES AINSI ET LEURS UTILISATIONS**
[72] BRANDT, BIANCA ANINA, ZA
[72] GORGENS, JOHANN FERDINAND, ZA
[72] VAN ZYL, WILLEM HEBER, ZA
[71] STELLENBOSCH UNIVERSITY SOUTH AFRICAN SUGARCANE RESEARCH INSTITUTE, ZA
[85] 2022-11-03
[86] 2021-05-05 (PCT/IB2021/053813)
[87] (WO2021/224829)
[30] ZA (2020/02428) 2020-05-05

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[51] **Int.Cl. A01C 7/12 (2006.01) A01C 7/10 (2006.01)**
[25] EN
[54] **METERING DEVICE FOR AN AGRICULTURAL MACHINE**
[54] **DISPOSITIF DE DOSAGE POUR UNE MACHINE AGRICOLE**
[72] GOTZEN, CHRISTIAN, DE
[72] BERGERFURTH, DENNIS, DE
[72] VALTWIES, BERND, DE
[71] LEMKEN GMBH & CO KG, DE
[85] 2022-11-03
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[87] (WO2021/223818)
[30] DE (10 2020 002 763.6) 2020-05-08

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **ENZYMES WITH RUVC DOMAINS**
[54] **ENZYMES A DOMAINES RUVC**
[72] THOMAS, BRIAN, US
[72] BROWN, CHRISTOPHER, US
[72] KANTOR, ROSE, US
[72] DEVOTO, AUDRA, US
[72] BUTTERFIELD, CRISTINA, US
[72] ALEXANDER, LISA, US
[72] GOLTSMAN, DANIELA S.A., US
[72] LIU, JASON, US
[72] LAMOTHE, REBECCA, US
[72] ESPINOSA, DIEGO, US
[72] STORLIE, MEGHAN, US
[72] COST, GREG, US
[71] METAGENOMI, INC., US
[85] 2022-11-03
[86] 2021-05-06 (PCT/US2021/031136)
[87] (WO2021/226363)
[30] US (63/022,320) 2020-05-08
[30] US (63/032,464) 2020-05-29
[30] US (63/116,155) 2020-11-19
[30] US (63/180,570) 2021-04-27

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 7/06 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **ANTI-HEMOJUVELIN (HJV) ANTIBODIES FOR TREATING MYELOFIBROSIS**
[54] **ANTICORPS ANTI-HEMOJUVELINE (HJV) POUR LE TRAITEMENT DE LA MYELOFIBROSE**
[72] BECONI, MARIA, US
[72] QUISEL, JOHN, US
[72] MACDONALD, BRIAN, US
[72] ROBINETTE, STEVEN, US
[72] MUELLER, BERNHARD, DE
[72] POPP, ANDREAS, DE
[72] PEREZ, JENNIFER M., US
[71] DISC MEDICINE, INC., US
[71] ABBVIE DEUTSCHLAND GMBH & CO KG, DE
[71] ABBVIE INC., US
[85] 2022-11-03
[86] 2021-05-13 (PCT/US2021/032343)
[87] (WO2021/231798)
[30] US (63/024,416) 2020-05-13
[30] US (63/047,828) 2020-07-02
[30] US (63/035,649) 2020-06-05
[30] US (63/164,294) 2021-03-22

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[13] A1
[51] **Int.Cl. F03D 80/60 (2016.01)**
[25] EN
[54] **COOLING SYSTEM AND WIND-DRIVEN GENERATOR SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT, ET EOLIENNE**
[72] WANG, DINGHUI, CN
[72] FANG, TAO, CN
[72] LI, JINMENG, CN
[71] XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2022-11-03
[86] 2020-09-08 (PCT/CN2020/114020)
[87] (WO2021/248717)
[30] CN (202010516556.1) 2020-06-09

[21] **3,177,832**
[13] A1
[51] **Int.Cl. A43B 7/22 (2006.01)**
[25] EN
[54] **A COMPONENT FOR A SHOE**
[54] **ELEMENT POUR CHAUSSURE**
[72] GOLDONI, ANDREA, IT
[72] CAIUMI, STEFANO, IT
[72] MARCHESINI, SIMONE, IT
[72] BENETTI, MARCELLO, IT
[71] GAITTECH S.R.L., IT
[85] 2022-11-03
[86] 2020-12-03 (PCT/IB2020/061428)
[87] (WO2021/224674)
[30] IT (102020000009838) 2020-05-05

[21] **3,177,834**
[13] A1
[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/544 (2006.01) G01N 33/545 (2006.01) G01N 33/548 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PASSIVE OPTICAL BARCODING FOR MULTIPLEXED ASSAYS**
[54] **COMPOSITIONS ET METHODES DE CODAGE OPTIQUE PASSIF DE DOSAGES MULTIPLEXES**
[72] KIM, JEFFREY, US
[72] NGUYEN, ANH TUAN, US
[72] MILLER, BRANDON, US
[71] SLINGSHOT BIOSCIENCES, INC., US
[85] 2022-11-03
[86] 2021-05-04 (PCT/US2021/030590)
[87] (WO2021/226036)
[30] US (63/019,478) 2020-05-04

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[13] A1
[51] **Int.Cl. A61K 38/48 (2006.01)**
[25] EN
[54] **HIGH DOSE AND LOW VOLUME BOTULINUM TOXIN TREATMENT OF FACIAL WRINKLES**
[54] **TRAITEMENT DE RIDES DU VISAGE A L'AIDE DE TOXINE BOTULIQUE A DOSE ELEVEE ET A FAIBLE VOLUME**
[72] ROLL, SUSANNA, DE
[72] SLADEK, MEIK, DE
[72] GEISTER, THORIN, DE
[72] PULTE, IRENA, DE
[72] WEISSENBERGER, PETRA, DE
[72] KLEIN, GUDRUN, DE
[71] MERZ PHARMA GMBH & CO. KGAA, DE
[85] 2022-11-03
[86] 2021-06-04 (PCT/EP2021/064986)
[87] (WO2021/245223)
[30] EP (20178574.8) 2020-06-05

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[13] A1
[51] **Int.Cl. G09B 7/00 (2006.01) G09B 7/04 (2006.01) G09B 17/00 (2006.01) G09B 19/04 (2006.01) G09B 19/06 (2006.01) G10L 15/00 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ADAPTIVE ASSESSMENT**
[54] **SYSTEMES ET PROCEDES D'EVALUATION ADAPTATIVE**
[72] WANG, ZHAODONG, US
[71] PEARSON EDUCATION, INC., US
[85] 2022-11-03
[86] 2021-04-30 (PCT/US2021/030088)
[87] (WO2021/225877)
[30] US (16/866,117) 2020-05-04

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[13] A1
[51] **Int.Cl. A61K 47/50 (2017.01) C07K 14/52 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF PROTEIN COMPLEXES AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE COMPLEXES PROTEIQUES ET LEURS METHODES D'UTILISATION**
[72] MULLIGAN, JOHN THOMAS, US
[72] OKADA, SHANNON LEE, US
[72] KILLEBREW, JUSTIN RICHARD, US
[72] HOLLENBAUGH, DIANE LOUISE, US
[71] BONUM THERAPEUTICS, INC., US
[85] 2022-11-03
[86] 2021-05-13 (PCT/US2021/032313)
[87] (WO2021/231773)
[30] US (63/024,422) 2020-05-13

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[13] A1
[51] **Int.Cl. C05G 3/90 (2020.01) C05G 3/40 (2020.01) C05G 5/20 (2020.01) C05G 5/30 (2020.01) C05C 9/00 (2006.01)**
[25] EN
[54] **A SOLVENT COMPOSITION FOR A UREASE INHIBITOR, APPLICATION AND USE THEREOF**
[54] **COMPOSITION DE SOLVANT POUR INHIBITEUR D'UREASE, APPLICATION ET UTILISATION DE CELLE-CI**
[72] ADRIAANSE, FREDERIK GIDEON, ZA
[72] GELISSEN, ARJAN PAUL HENDRIK, DE
[72] LUSSEM, BERND, DE
[72] RADZIEJ, ANJA, DE
[71] SASOL CHEMICALS GMBH, DE
[85] 2022-11-03
[86] 2021-06-10 (PCT/EP2021/065713)
[87] (WO2021/250209)
[30] EP (20179374.2) 2020-06-10

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **SALTS OF NEUROCEUTICALS AND USES THEREOF**
[54] **SELS DE NEUROCEUTIQUES ET LEURS UTILISATIONS**
[72] TSAI, GUOCHUAN EMIL, US
[72] WANG, CHING-CHENG, CN
[72] HSIEH, TIEN-LAN, CN
[72] HUANG, YI-FENG, CN
[72] YANG, HSIN-HSIN, CN
[72] CHIEN, MING-HONG, CN
[72] HSIEH, HAN-YI, CN
[72] CHANG, WEI-HUA, CN
[71] SYNEURX INTERNATIONAL (TAIWAN) CORP., CN
[85] 2022-11-03
[86] 2021-05-05 (PCT/IB2021/053814)
[87] (WO2021/224830)
[30] US (63/020,223) 2020-05-05

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[13] A1
[51] **Int.Cl. B23B 31/103 (2006.01) C12M 1/34 (2006.01) G01N 21/25 (2006.01)**
[25] EN
[54] **CAPTURE ASSEMBLY AND METHOD OF USE THEREOF**
[54] **ENSEMBLE DE CAPTURE ET PROCEDE POUR SON UTILISATION**
[72] TAYLOR, ROGER, US
[72] HAWKINS, JEFF, US
[72] RACHELE, JOHNNY STEVE, US
[72] TROTT, DANIEL ADAM, US
[72] DELMENICO, PETER, US
[71] TRUVIAN SCIENCES, INC., US
[85] 2022-11-04
[86] 2021-05-18 (PCT/US2021/033013)
[87] (WO2021/236675)
[30] US (63/026,581) 2020-05-18

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[13] A1
[51] **Int.Cl. G01V 1/30 (2006.01) G01V 1/34 (2006.01)**
[25] EN
[54] **STRUCTURED REPRESENTATIONS OF SUBSURFACE FEATURES FOR HYDROCARBON SYSTEM AND GEOLOGICAL REASONING**
[54] **REPRESENTATIONS STRUCTUREES DE CARACTERISTIQUES DE SUBSURFACE POUR SYSTEME D'HYDROCARBURES ET RAISONNEMENT GEOLOGIQUE**
[72] DENLI, HUSEYIN, US
[72] DE WAELE, STIJN, US
[72] XU, PENG, US
[72] JOHNS, MARY K., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2022-11-04
[86] 2021-04-19 (PCT/US2021/070419)
[87] (WO2021/226613)
[30] US (62/704,358) 2020-05-06

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[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01)**
[25] EN
[54] **CROSS-SPECIES COMPATIBLE ADENO-ASSOCIATED VIRUS COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE VIRUS ADENO-ASSOCIES COMPATIBLES ENTRE ESPECES ET LEURS METHODES D'UTILISATION**
[72] ASOKAN, ARAVIND, US
[72] GONZALEZ, TREVOR, US
[72] HAVLIK, LAWRENCE PATRICK, US
[71] DUKE UNIVERSITY, US
[85] 2022-11-04
[86] 2021-05-05 (PCT/US2021/030937)
[87] (WO2021/226267)
[30] US (63/020,062) 2020-05-05

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[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTI-CANCER PROTEINS**
[54] **PROTEINES ANTICANCEREUSES**
[72] SATHE, DHANANJAY, IN
[72] IYAPPAN, SARVANAKUMAR, IN
[72] PAWAR, DILIP, IN
[71] UNICHEM LABORATORIES LTD, IN
[85] 2022-11-04
[86] 2021-04-28 (PCT/IB2021/053503)
[87] (WO2021/224724)
[30] IN (202021019406) 2020-05-07

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 25/08 (2006.01) G01N 33/532 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING EPILEPSY**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE L'EPILEPSIE**
[72] PAZ, JEANNE T., US
[72] SANKARANARAYANAN, SETHU, US
[72] YEDNOCK, TED, US
[71] THE J. DAVID GLADSTONE INSTITUTES, A TESTAMENTARY TRUST ESTABLISHED UNDER THE WILL OF J. DAVID GLADSTONE, US
[71] ANNEXON, INC., US
[85] 2022-11-04
[86] 2021-05-05 (PCT/US2021/030930)
[87] (WO2021/242493)
[30] US (63/020,245) 2020-05-05

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[13] A1
[51] **Int.Cl. B61F 13/00 (2006.01) B61B 13/10 (2006.01)**
[25] EN
[54] **PASSIVE LATERAL STABILITY FOR A MAGLEV TYPE VEHICLE**
[54] **STABILITE LATERALE PASSIVE POUR UN VEHICULE DE TYPE A SUSTENTATION MAGNETIQUE**
[72] KLIM, GRAEME PETER ARTHUR, FR
[72] CHENG, JUSTIN GUANG YUANG, CA
[72] ELLIS, ANDREW MICHAEL, CA
[71] SAFRAN LANDING SYSTEMS, FR
[71] SAFRAN LANDING SYSTEMS CANADA INC., CA
[85] 2022-11-04
[86] 2021-04-30 (PCT/CA2021/050606)
[87] (WO2021/223016)
[30] US (16/868,436) 2020-05-06

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[13] A1
[51] **Int.Cl. A61M 16/06 (2006.01) A61F 5/56 (2006.01) A61M 16/10 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **NON-INVASIVE VENTILATION SYSTEM FOR THE PRE-HOSPITAL MANAGEMENT OF ACUTE RESPIRATORY FAILURE**
[54] **SYSTEME DE VENTILATION NON INVASIF POUR LA GESTION PREHOSPITALIERE DE L'INSUFFISANCE RESPIRATOIRE AIGUE**
[72] LANDONI, GIOVANNI, IT
[72] ZANGRILLO, ALBERTO, IT
[72] CONSOLO, FILIPPO, IT
[72] REDAELLI, ALBERTO, IT
[72] FIORE, GIANFRANCO BENIAMINO, IT
[72] CAIMI, ALESSANDRO, IT
[71] OSPEDALE SAN RAFFAELE S.R.L, IT
[71] POLITECNICO DI MILANO, IT
[85] 2022-11-04
[86] 2021-05-04 (PCT/EP2021/061722)
[87] (WO2021/224253)
[30] IT (102020000009712) 2020-05-04

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[13] A1
[51] **Int.Cl. A61B 1/04 (2006.01) A61B 1/06 (2006.01) A61B 5/00 (2006.01) A61K 49/00 (2006.01) G01N 21/64 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **USE OF TARGETED FLUORESCENT MARKERS IN COMBINATION WITH A FLEXIBLE PROBE**
[54] **UTILISATION DE MARQUEURS FLUORESCENTS CIBLES EN ASSOCIATION AVEC UNE SONDE SOUPLE**
[72] KULARATNE, SUMITH A., US
[72] LUNDGREN, BENJAMIN, US
[71] ON TARGET LABORATORIES, LLC, US
[85] 2022-11-04
[86] 2020-09-24 (PCT/US2020/052415)
[87] (WO2021/230903)
[30] US (63/023,855) 2020-05-12
[30] US (16/998,587) 2020-08-20

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[54] **IMMERSION SYSTEMS & METHODS FOR PRE-WASHING OR WASHING SILVERWARE**
[54] **SYSTEMES D'IMMERSION ET PROCEDES DE PRE-LAVAGE OU DE LAVAGE D'ARGENTERIE**
[72] CANTRELL, JOHN, US
[72] POWERS, RICHARD, US
[72] SHEALY, ROGER, US
[71] IMMERSION SYSTEMS, INC., US
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[25] EN
[54] **DIAGNOSTIC PRIMERS, KITS AND METHODS FOR VIRAL DETECTION**
[54] **AMORCES DE DIAGNOSTIC, KITS ET PROCEDES DE DETECTION VIRALE**
[72] TOKARSKI, MIRON, PL
[72] PIELKA, IZABELA, PL
[72] MALODOBRA-MAZUR, MALGORZATA, PL
[71] GENOMTEC SA, PL
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[30] GB (2006663.5) 2020-05-05
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[54] **PRO-LYCOPENE RICH COMPOSITION AND METHODS OF USING SAME**
[54] **COMPOSITION RICHE EN PRO-LYCOPENE ET SES METHODES D'UTILISATION**
[72] OFFER, TAL, IL
[72] SEDLOV, TANYA, IL
[72] LEVY-NISSENBAUM, ETGAR, IL
[72] BRAVERMAN, OLEG, IL
[71] LYCORED LTD., IL
[85] 2022-11-04
[86] 2021-05-06 (PCT/IL2021/050524)
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[54] **ANTI-HEMOJUVELIN (HJV) ANTIBODIES FOR TREATING ANEMIA OF CHRONIC DISEASE**
[54] **ANTICORPS ANTI-HEMOJUVELINE (HJV) DE TRAITEMENT DE L'ANEMIE DE MALADIES CHRONIQUES**
[72] BECONI, MARIA, US
[72] QUISEL, JOHN, US
[72] MACDONALD, BRIAN, US
[72] ROBINETTE, STEVEN, US
[72] MUELLER, BERNHARD, DE
[72] POPP, ANDREAS, DE
[72] PEREZ, JENNIFER M., US
[71] DISC MEDICINE, INC., US
[71] ABBVIE DEUTSCHLAND GMBH & CO. KG, DE
[71] ABBVIE INC., US
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[54] **FORMULATIONS AND METHODS FOR TREATING DIARRHEA**
[54] **FORMULATIONS ET METHODES DE TRAITEMENT DE LA DIARRHEE**
[72] VIDYASAGAR, SADASIVAN, US
[72] GROSCHE, ASTRID, US
[72] XU, XIAODONG, US
[72] LIN, SHANSHAN, US
[72] GATTO, STEPHEN, US
[72] KENEFICK, ROBERT, US
[72] CHEUVRONT, SAMUEL, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[71] ENTRINSIC, INC., US
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[54] **BIOLOGICAL SIGNAL PROCESSING DEVICE, WATCHING SYSTEM, AND WATCHING METHOD**
[54]
[72] HORI, JUNJI, JP
[72] SAITO, RYO, JP
[72] KANAMARU, YOSHIYUKI, JP
[72] IMAI, KEN, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
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[54] **ROOT CROP HARVESTER**
[54] **RECOLTEUSE DE CULTURES A RACINES**
[72] ROSS, JULIAN, DE
[72] STROTHMANN, WOLFRAM, DE
[71] GRIMME LANDMASCHINENFABRIK GMBH & CO. KG, DE
[85] 2022-11-04
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[25] EN
[54] **SYSTEM AND METHOD FOR PRIVACY-PRESERVING DISTRIBUTED TRAINING OF MACHINE LEARNING MODELS ON DISTRIBUTED DATASETS**
[54] **SYSTEME ET PROCEDE POUR L'APPRENTISSAGE DISTRIBUE PRESERVANT LA CONFIDENTIALITE DE MODELES D'APPRENTISSAGE MACHINE SUR DES ENSEMBLES DE DONNEES DISTRIBUES**
[72] FROELICHER, DAVID, CH
[72] TRONCOSO-PASTORIZA, JUAN RAMON, CH
[72] PYRGELIS, APOSTOLOS, CH
[72] SAV, SINEM, CH
[72] GOMES DE SA E SOUSA, JOAO, CH
[72] HUBAUX, JEAN-PIERRE, CH
[72] BOSSUAT, JEAN-PHILIPPE, CH
[71] ECOLE POLYTHECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH
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[25] EN
[54] **DRILL COUPLER FOR MITIGATING TORSIONAL VIBRATION**
[54] **COUPLEUR DE TREPAN POUR ATTENUER LES VIBRATIONS DE TORSION**
[72] BROOKS, NATHAN ANDREW, US
[72] MAW, JASON C., US
[72] ROSEMAN, MATTHEW, US
[72] DAMIAN, THOMAS A., US
[71] ULTERRA DRILLING TECHNOLOGIES, L.P., US
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[86] 2021-04-26 (PCT/US2021/029129)
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[25] EN
[54] **MOBILE AUTONOMOUS SOLAR-WIND ELECTRICAL STATION**
[54] **CENTRALE ELECTRIQUE AUTONOME MOBILE A ENERGIE SOLAIRE ET EOLIENNE**
[72] NOVAK, EUGENE, UA
[72] VOVCHUK, IHOR, UA
[72] PLESKACH, BORIS, UA
[72] SMOLIN, VOLODYMYR, UA
[72] CHUPRINA, MAKSIM, UA
[72] POTAPENKO, LIUBOV, UA
[71] PATRIOT-NRG, LLC, UA
[85] 2022-11-04
[86] 2020-06-18 (PCT/UA2020/000061)
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[30] UA (A 2020 03437) 2020-06-05

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[51] **Int.Cl. B01D 53/40 (2006.01) B01D 53/50 (2006.01) B01D 53/64 (2006.01)**
[25] EN
[54] **WESP COLLECTION ELECTRODE INSERT OR EXTENSION**
[54] **INSERT OU EXTENSION D'ELECTRODE COLLECTRICE DE WESP**
[72] CASH, JAMES, US
[72] PIERSON, KEITH, US
[72] RUDOLPH, JEFFREY, US
[71] DURR SYSTEMS, INC., US
[85] 2022-11-04
[86] 2021-02-05 (PCT/US2021/016728)
[87] (WO2021/081565)
[30] US (63/033,374) 2020-06-02

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[51] **Int.Cl. G06F 15/16 (2006.01) H04L 12/28 (2006.01) H04M 1/24 (2006.01) H04M 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR DYNAMICALLY EXTENDING ANALYTICS IN A CLOUD COMMUNICATIONS PLATFORM**
[54] **SYSTEME ET PROCEDES D'EXTENSION DYNAMIQUE D'ANALYTIQUE DANS UNE PLATEFORME DE COMMUNICATION EN NUAGE**
[72] WARD, JOHN, US
[72] BEWLEY LO, JUSTIN, US
[72] KLODNER, ADAM, US
[72] PASION, JULIUS, US
[71] INTELEPEER, US
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[86] 2020-07-01 (PCT/US2020/040560)
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[51] **Int.Cl. A01C 3/02 (2006.01)**
[25] EN
[54] **A MANURE ARRANGEMENT AND A METHOD FOR CONTROLLING OPERATION OF A MANURE ARRANGEMENT**
[54] **AGENCEMENT DE FUMIER ET PROCEDE DE REGULATION DU FONCTIONNEMENT D'UN AGENCEMENT DE FUMIER**
[72] BRINK, MAREK, SE
[72] HOFMAN, PIOTR, SE
[72] JAKLIK, BARTLOMIEJ, SE
[72] SLUSARCZYK, BARTLOMIEJ, SE
[71] DELAVAL HOLDING AB, SE
[85] 2022-11-04
[86] 2021-06-02 (PCT/SE2021/050514)
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[13] A1
[51] **Int.Cl. C10G 1/06 (2006.01) C10G 1/10 (2006.01)**
[25] EN
[54] **HYDRODEOXYGENATION OF OXYGENATED POLYMERS TO LIQUID HYDROCARBONS**
[54] **HYDRODESOXYGENATION DE POLYMERES OXYGENES EN HYDROCARBURES LIQUIDES**
[72] LINCK, MARTIN B., US
[72] MARKER, TERRY, US
[72] ORTIZ-TORAL, PEDRO, US
[72] WANGEROW, JIM, US
[71] GAS TECHNOLOGY INSTITUTE, US
[85] 2022-11-04
[86] 2021-04-22 (PCT/US2021/028549)
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[51] **Int.Cl. A61K 38/28 (2006.01) A61K 47/54 (2017.01) A61P 3/10 (2006.01) C07K 14/62 (2006.01)**
[25] EN
[54] **EXTENDED TIME ACTION ACYLATED INSULIN COMPOUNDS**
[54] **COMPOSES D'INSULINE ACYLES A ACTION PROLONGEE**
[72] BRENNAN, SEAMUS PATRICK, US
[72] FLORA, DAVID BENJAMIN, US
[72] KISSELEV, VALDISLAV, US
[72] LIU, WEN, US
[72] VALENZUELA, FRANCISCO ALCIDES, US
[71] ELI LILLY AND COMPANY, US
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[51] **Int.Cl. A61K 35/00 (2006.01) A61K 33/00 (2006.01)**
[25] EN
[54] **USE OF EXTRACELLULAR VESICLES AS IMMUNOPROPHILACTICS AND IMMUNOTHERAPEUTICS FOR LEISHMANIASIS**
[54] **UTILISATION DE VESICULES EXTRACELLULAIRES COMME AGENTS IMMUNOPROPHILACTIQUES ET IMMUNOTHERAPEUTIQUES CONTRE LA LEISHMANIOSE**
[72] SAHIN, FIKRETTIN, TR
[72] ISLEK, ZEYNEP, TR
[72] BOZKURT, BATUHAN TURHAN, TR
[72] KIRBAS, OGUZ KAAN, TR
[72] UCISIK, MEHMET HIKMET, TR
[71] YEDITEPE UNIVERSITESI, TR
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[86] 2021-05-04 (PCT/TR2021/050425)
[87] (WO2021/225551)
[30] TR (2020/06914) 2020-05-04

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[51] **Int.Cl. A61M 5/172 (2006.01) G16H 20/17 (2018.01) G16H 40/67 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASYNCHRONOUS COMMUNICATION OF INFUSION INFORMATION AND OBTAINING REMOTE ASSISTANCE FOR AN ONGOING INFUSION**
[54] **SYSTEME ET PROCEDE DE COMMUNICATION ASYNCHRONE D'INFORMATIONS DE PERFUSION ET D'OBTENTION D'AIDE A DISTANCE POUR UNE PERFUSION EN COURS**
[72] WORKMAN, MICHAEL, US
[72] CHEN, EVAN, US
[72] NESTERENKO, IGOR, US
[72] DIGGETT, LISA, US
[72] REGEDANZ, ROBERT, US
[71] CAREFUSION 303, INC., US
[85] 2022-11-04
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[51] **Int.Cl. B32B 7/025 (2019.01) B32B 27/04 (2006.01) B32B 27/08 (2006.01) B32B 27/18 (2006.01) B32B 27/36 (2006.01) H01C 17/065 (2006.01) C09D 11/52 (2014.01)**
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[54] **POSITIVE TEMPERATURE COEFFICIENT COMPONENT**
[54] **COMPOSANT A COEFFICIENT DE TEMPERATURE POSITIF**
[72] DEBERRY, SHAWN R., US
[72] DECKER, THOMAS E., US
[72] POSEY, JR. DAVID W., US
[72] ANDRYKOVITCH, MICHELLE A., US
[71] PPG INDUSTRIES OHIO, INC., US
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[86] 2021-05-11 (PCT/US2021/031792)
[87] (WO2021/231435)
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[51] **Int.Cl. F02K 7/18 (2006.01)**
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[54] **MULTI-MODE PROPULSION SYSTEM**
[54] **SYSTEME DE PROPULSION MULTIMODE**
[72] JOHANSEN, CRAIG, CA
[72] HINMAN, WILLIAM SCHUYLER, CA
[72] MRAVCAK, VLADIMIR, CA
[71] ATLANTIS RESEARCH LABS INC., CA
[85] 2022-11-04
[86] 2021-05-05 (PCT/CA2021/050632)
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[30] US (63/020,327) 2020-05-05

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[51] **Int.Cl. A61K 31/56 (2006.01) A61K 31/675 (2006.01) A61K 39/42 (2006.01) A61K 45/06 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **METHODS OF TREATING COVID-19 USING BARDOXOLONE METHYL OR ANALOGS THEREOF**
[54] **PROCEDES DE TRAITEMENT DE LA COVID-19 A L'AIDE DE METHYLE DE BARBARROLONE OU D'ANALOGUES DE CELUI-CI**
[72] FERGUSON, DEBORAH, US
[72] WIGLEY, W. CHRISTIAN, US
[72] MEYER, COLIN, US
[72] HUFF, J. WARREN, US
[72] KRAL, ROBERT M. JR., US
[71] REATA PHARMACEUTICALS HOLDINGS, LLC, US
[85] 2022-11-04
[86] 2021-05-07 (PCT/US2021/031282)
[87] (WO2021/231208)
[30] US (63/022,479) 2020-05-09
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[51] **Int.Cl. B29B 17/02 (2006.01) B29B 17/04 (2006.01) C11D 1/00 (2006.01)**
[25] EN
[54] **A PROCESS FOR RECYCLING A LAMINATE AND A SOLUTION THEREFOR**
[54] **PROCEDE DE RECYCLAGE D'UN STRATIFIE ET SOLUTION ASSOCIEE**
[72] HAWKETT, BRIAN STANLEY, AU
[72] NGUYEN, DUC NGOC, AU
[72] HUYNH, THE VIEN, AU
[72] PRIYANANDA, PRAMITH, AU
[71] THE UNIVERSITY OF SYDNEY, AU
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[86] 2021-05-28 (PCT/AU2021/050523)
[87] (WO2021/237306)
[30] AU (2020901775) 2020-05-29

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[51] **Int.Cl. C09K 5/00 (2006.01) C09K 5/02 (2006.01) C09K 5/04 (2006.01)**
[25] EN
[54] **HEAT TRANSFER COMPOSITIONS OF HYDROFLUOROCARBONS**
[54] **COMPOSITIONS DE TRANSFERT DE CHALEUR D'HYDROFLUOROCARBONES**
[72] CHEN, BENJAMIN BIN, US
[72] KIM, SARAH, US
[72] KOO, BRIAN THOMAS, US
[72] CLARKSON, LUCY MARY, US
[71] ARKEMA INC., US
[85] 2022-11-04
[86] 2021-05-04 (PCT/US2021/030608)
[87] (WO2021/226048)
[30] US (63/021,697) 2020-05-08

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[51] **Int.Cl. H04W 76/15 (2018.01)**
[25] EN
[54] **MULTI-LINK DEVICE PROBING METHOD AND COMMUNICATION APPARATUS**
[54] **PROCEDE DE VERIFICATION POUR DISPOSITIF A LIAISONS MULTIPLES, ET APPAREIL DE COMMUNICATION**
[72] GUO, YUCHEN, CN
[72] GAN, MING, CN
[72] LI, YUNBO, CN
[72] LI, YIQING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-11-04
[86] 2021-07-01 (PCT/CN2021/104114)
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[30] CN (202010629027.2) 2020-07-02

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 39/00 (2006.01) A61P 37/08 (2006.01) C07K 16/16 (2006.01)**
[25] EN
[54] **METHODS OF TREATING ALLERGY USING ANTI-BET V 1 ANTIBODIES**
[54] **METHODES POUR TRAITER L'ALLERGIE A L'AIDE D'ANTICORPS ANTI-BET V 1**
[72] ATANASIO, AMANDA, US
[72] HERMAN, GARY, US
[72] O'BRIEN, MEAGAN P., US
[72] ORENGO, JAMIE M., US
[72] PERLEE, LORAH, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-11-04
[86] 2021-06-30 (PCT/US2021/039945)
[87] (WO2022/006305)
[30] US (63/047,126) 2020-07-01
[30] US (63/129,253) 2020-12-22

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[51] **Int.Cl. C09K 5/00 (2006.01) C09K 5/02 (2006.01) C09K 5/04 (2006.01)**
[25] EN
[54] **AZEOTROPE AND AZEOTROPE-LIKE COMPOSITIONS OF 1-CHLORO-1,2 DIFLUOROETHYLENE AND 2,3,3,3-TETRAFLUOROPROP-1-ENE**
[54] **COMPOSITIONS AZEOTROPES ET DE TYPE AZEOTROPE DE 1-CHLORO-1,2-DIFLUOROETHYLENE ET DE 2,3,3,3-TETRAFLUOROPROP-1-ENE**
[72] CHEN, BENJAMIN BIN, US
[72] KIM, SARAH, US
[72] KOO, BRIAN T., US
[72] CLARKSON, LUCY M., US
[71] ARKEMA INC., US
[85] 2022-11-04
[86] 2021-05-04 (PCT/US2021/030611)
[87] (WO2021/226051)
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[51] **Int.Cl. F41A 17/38 (2006.01) F41A 35/06 (2006.01)**
[25] EN
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[54] **CORPS D'ARRETOIR DE CHARGEUR**
[72] SCHRODL, CHRISTOPH, FI
[71] SAKO OY, FI
[85] 2022-11-04
[86] 2021-05-20 (PCT/EP2021/063480)
[87] (WO2021/234095)
[30] FI (20205513) 2020-05-20

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **CANINE PD-1-BINDING POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES DE LIAISON A PD-1 CANINE ET LEURS UTILISATIONS**
[72] PANDIT, RAJAY, US
[72] TIMMER, JOHN C., US
[72] ECKELMAN, BRENDAN P., US
[72] DEVERAUX, QUINN, US
[71] INHIBRX, INC., US
[85] 2022-11-04
[86] 2021-05-03 (PCT/US2021/030476)
[87] (WO2021/225961)
[30] US (63/019,817) 2020-05-04

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[51] **Int.Cl. C07D 405/04 (2006.01) C07D 231/12 (2006.01) C07D 231/14 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF ANDROGEN RECEPTOR ANTAGONISTS AND INTERMEDIATES THEREOF**
[54] **PROCEDE DE PREPARATION D'ANTAGONISTES DU RECEPTEUR DES ANDROGENES ET INTERMEDIAIRES DE CEUX-CI**
[72] GRUMANN, ARNE, FI
[72] KARJALAINEN, OSKARI, FI
[71] ORION CORPORATION, FI
[85] 2022-11-04
[86] 2021-05-10 (PCT/FI2021/050343)
[87] (WO2021/229145)
[30] FI (20207081) 2020-05-11

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[13] A1
[51] **Int.Cl. C08F 8/42 (2006.01) C08F 20/10 (2006.01) G01N 15/10 (2006.01) G01N 33/53 (2006.01) G01N 33/537 (2006.01) G01N 33/574 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **MICROBEADS AND USES THEREOF**
[54] **MICROBILLES ET LEURS UTILISATIONS**
[72] WEI, RAN, CN
[72] SUN, SHUANGWU, CN
[72] WANG, YUCHONG, CN
[72] GE, ZIYANG, CN
[71] SHANGHAI POLARIS BIOLOGY CO., LTD., CN
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[30] CN (PCT/CN2020/090905) 2020-05-18

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[51] **Int.Cl. A61K 48/00 (2006.01) A61P 25/00 (2006.01) C12N 9/38 (2006.01)**
[25] EN
[54] **COMPOSITIONS USEFUL IN TREATMENT OF KRABBE DISEASE**
[54] **COMPOSITIONS UTILES DANS LE TRAITEMENT DE LA MALADIE DE KRABBE**
[72] WILSON, JAMES M., US
[72] HORDEAUX, JULIETTE, US
[72] KATZ, NATHAN, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2022-11-04
[86] 2021-05-11 (PCT/US2021/031802)
[87] (WO2021/231443)
[30] US (63/023,459) 2020-05-12
[30] US (63/070,653) 2020-08-26
[30] US (63/073,756) 2020-09-02

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[51] **Int.Cl. H01B 11/06 (2006.01)**
[25] EN
[54] **SHIELD-SUPPORTING FILLER FOR DATA COMMUNICATIONS CABLES**
[54] **CHARGE DE SUPPORT DE BLINDAGE POUR CABLES DE COMMUNICATION DE DONNEES**
[72] KUSUMA, ROY, US
[72] WILLIAM THOMAS, CLARK, US
[71] BELDEN, INC., US
[85] 2022-11-04
[86] 2021-05-04 (PCT/US2021/030616)
[87] (WO2021/226056)
[30] US (63/021,537) 2020-05-07

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[51] **Int.Cl. G06Q 10/04 (2023.01) G06Q 30/0201 (2023.01) G06Q 30/0202 (2023.01) G06Q 30/0251 (2023.01) G06F 17/40 (2006.01) G06N 3/08 (2023.01) G06Q 30/00 (2023.01) H04L 12/16 (2006.01)**
[25] EN
[54] **ARTIFICIAL-INTELLIGENCE-BASED E-COMMERCE SYSTEM AND METHOD FOR MANUFACTURERS, SUPPLIERS, AND PURCHASERS**
[54] **SYSTEME ET PROCEDE DE COMMERCE ELECTRONIQUE BASES SUR L'INTELLIGENCE ARTIFICIELLE POUR DES FABRICANTS, DES FOURNISSEURS ET DES ACHETEURS**
[72] SCHERWITZ, SAM, CA
[71] 10644137 CANADA INC., CA
[85] 2022-11-04
[86] 2021-05-04 (PCT/CA2021/050626)
[87] (WO2021/223025)
[30] US (63/019,854) 2020-05-04

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[13] A1
[51] **Int.Cl. A01K 41/06 (2006.01)**
[25] EN
[54] **AN EGG LAYING DEVICE**
[54] **DISPOSITIF DE REGLAGE D'OEUF**
[72] FURLONG, LEON, GB
[71] ONFARMHATCHING LTD, GB
[85] 2022-11-04
[86] 2021-05-06 (PCT/GB2021/051097)
[87] (WO2021/224627)
[30] GB (2006700.5) 2020-05-06
[30] GB (2103247.9) 2021-03-09

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[51] **Int.Cl. C12N 5/0793 (2010.01) C12N 5/0775 (2010.01) C12N 5/00 (2006.01) A61K 35/28 (2015.01)**
[25] EN
[54] **A MEDIUM-BASED METHOD REALIZED FOR DIFFERENTIATION OF DENTAL STEM CELLS INTO NEURONS**
[54] **PROCEDE BASE SUR UN MILIEU REALISE POUR LA DIFFERENCIATION DES CELLULES SOUCHES DENTAIRES EN NEURONES**
[72] SAHIN, FIKRETTIN, TR
[72] TASLI, PAKIZE NESLIHAN, TR
[72] KIRBAS, OGUZ KAAN, TR
[72] AVSAR ABDIK, EZGI, TR
[72] ABDIK, HUSEYIN, TR
[72] KASAPOGLU USTA, BURCU, TR
[71] YEDITEPE UNIVERSITESI, TR
[85] 2022-11-04
[86] 2021-05-04 (PCT/TR2021/050426)
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[30] TR (2020/06919) 2020-05-04

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[13] A1
[51] **Int.Cl. A61L 2/08 (2006.01)**
[25] EN
[54] **SANITIZING DEVICES AND METHODS**
[54] **DISPOSITIFS ET METHODES DE DESINFECTION**
[72] BROWN, MATTHEW S., US
[71] FUSE, LLC, US
[85] 2022-11-04
[86] 2021-05-07 (PCT/US2021/031295)
[87] (WO2021/226457)
[30] US (63/021,148) 2020-05-07
[30] US (63/056,207) 2020-07-24

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[51] **Int.Cl. H01M 8/2483 (2016.01) H01M 8/0215 (2016.01) H01M 8/0276 (2016.01) H01M 8/0282 (2016.01) H01M 8/124 (2016.01) H01M 8/2432 (2016.01)**
[25] EN
[54] **DIELECTRIC SEPARATOR FOR FUEL CELL STACK ASSEMBLY AND MANUFACTURING METHOD THEREOF**
[54] **SEPARATEUR DIELECTRIQUE POUR ENSEMBLE D'EMPILEMENT DE PILES A COMBUSTIBLE ET SON PROCEDE DE FABRICATION**
[72] PATEL, SIDDHARTH, US
[72] PETRUCHA, MICHAEL, US
[72] BASHARAIN, ADRIAN, US
[72] FUNG, VICTOR, US
[72] PERRY, MARTIN, US
[72] EL BATAWI, EMAD, US
[72] EDMONSTON, DAVID, US
[71] BLOOM ENERGY CORPORATION, US
[85] 2022-11-04
[86] 2021-04-29 (PCT/US2021/029824)
[87] (WO2021/225856)
[30] US (63/020,074) 2020-05-05

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[13] A1
[51] **Int.Cl. A61K 31/706 (2006.01) A61K 47/10 (2017.01) A61P 31/14 (2006.01)**
[25] EN
[54] **METHODS OF TREATMENT OF VIRAL DISEASES**
[54] **METHODES DE TRAITEMENT DE MALADIES VIRALES**
[72] RAWERT, JURGEN, DE
[72] TEWS, JAN-TORSTEN, DE
[71] SOFTHALE NV, BE
[85] 2022-11-04
[86] 2021-04-23 (PCT/EP2021/060676)
[87] (WO2021/239346)
[30] US (63/030,972) 2020-05-28
[30] US (63/051,908) 2020-07-15
[30] US (16/930,340) 2020-07-16

[21] **3,177,946**
[13] A1
[25] EN
[54] **BIOLOGICAL SAMPLING DEVICE**
[54] **DISPOSITIF DE PRELEVEMENT D'ECHANTILLON BIOLOGIQUE**
[72] MARKOWITZ, SANFORD, US
[72] CHAK, AMITABH, US
[72] WILLIS, JOSEPH, US
[72] AKLOG, LISHAN, US
[72] YAZBECK, RICHARD, US
[72] BOUTILLETTE, MICHAEL, US
[72] DEGUZMAN, BRIAN, US
[72] WURTMAN, DAVID, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
[85] 2022-11-04
[86] 2021-05-26 (PCT/US2021/034280)
[87] (WO2021/242878)
[30] US (63/030,547) 2020-05-27

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[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **NEXT GENERATION MOBILE SATELLITE SERVICE (MSS)**
[54] **SERVICE DE SATELLITE MOBILE (MSS) DE NOUVELLE GENERATION**
[72] RAVISHANKAR, CHANNASANDRA, US
[72] JONG, JAMES JEHONG, US
[72] ZAKARIA, GAGUK, US
[72] BENAMMAR, NASSIR, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-11-04
[86] 2021-05-20 (PCT/US2021/033297)
[87] (WO2021/236866)
[30] US (63/028,912) 2020-05-22
[30] US (63/032,510) 2020-05-29

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[13] A1
[51] **Int.Cl. C08J 3/24 (2006.01) C08K 3/013 (2018.01) C08K 5/14 (2006.01) C08K 5/5398 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING AT LEAST ONE ORGANIC PEROXIDE AND AT LEAST ONE SULFUR-CONTAINING COMPOUND FOR CROSSLINKING POLYMERS IN THE PRESENCE OF OXYGEN**
[54] **COMPOSITION COMPRENANT AU MOINS UN PEROXYDE ORGANIQUE ET AU MOINS UN COMPOSE SOUFRE POUR LA RETICULATION DE POLYMERES EN PRESENCE D'OXYGENE**
[72] DEFRANCISCI, ALFREDO, FR
[71] ARKEMA FRANCE, FR
[85] 2022-11-04
[86] 2021-10-08 (PCT/EP2021/077944)
[87] (WO2022/074237)
[30] FR (FR2010360) 2020-10-09

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) C07K 14/025 (2006.01)**
[25] EN
[54] **VACCINES FOR RECURRENT RESPIRATORY PAPILLOMATOSIS AND METHODS OF USING THE SAME**
[54] **VACCINS CONTRE LA PAPILLOMATOSE RESPIRATOIRE RECURRENTE ET LEURS METHODES D'UTILISATION**
[72] RAMOS, STEPHANIE, US
[72] REED, CHARLES, US
[72] WALTERS, JEWELL, US
[72] YAN, JIAN, US
[72] SLAGER, ANNA, US
[72] BRODERICK, KATE, US
[71] INOVIO PHARMACEUTICALS, INC., US
[85] 2022-11-04
[86] 2021-05-14 (PCT/US2021/032545)
[87] (WO2021/231925)
[30] US (63/024,912) 2020-05-14

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[51] **Int.Cl. A61B 5/1455 (2006.01) G01J 1/16 (2006.01)**
[25] EN
[54] **TIME MULITPLEXED DOSIMETRY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DOSIMETRIE MULTIPLEXEE DANS LE TEMPS**
[72] MACDOUGALL, TREVOR, US
[72] YANG, YI, US
[71] LUMEDA INC., US
[85] 2022-11-04
[86] 2021-05-04 (PCT/US2021/030539)
[87] (WO2021/226001)
[30] US (63/020,142) 2020-05-05

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[13] A1
[51] **Int.Cl. G01N 29/04 (2006.01) G01N 29/22 (2006.01) G01N 29/275 (2006.01) G01N 29/28 (2006.01) G01N 29/30 (2006.01)**
[25] EN
[54] **COILED WIRE ULTRASONIC INSPECTION SYSTEM AND ASSOCIATED METHOD**
[54] **SYSTEME D'INSPECTION ULTRASONORE DE FIL HELICOIDAL ET PROCEDE ASSOCIE**
[72] LARES, ALAN, US
[71] COLD HEADING CO., US
[85] 2022-11-04
[86] 2021-07-20 (PCT/US2021/042329)
[87] (WO2022/020322)
[30] US (63/054,030) 2020-07-20
[30] US (17/378,929) 2021-07-19

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[13] A1
[51] **Int.Cl. A61K 38/46 (2006.01)**
[25] EN
[54] **COMPOSITIONS USEFUL FOR TREATMENT OF POMPE DISEASE**
[54] **COMPOSITIONS UTILES DANS LE TRAITEMENT DE LA MALADIE DE POMPE**
[72] WILSON, JAMES M., US
[72] HORDEAUX, JULIETTE, US
[72] DO, HUNG V., US
[72] GOTSCHALL, RUSSELL, US
[72] TUSKE, STEVEN, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[71] AMICUS THERAPEUTICS, INC., US
[85] 2022-11-04
[86] 2021-05-14 (PCT/US2021/032451)
[87] (WO2021/231863)
[30] US (63/024,941) 2020-05-14
[30] US (63/180,379) 2021-04-27
[30] US (63/109,677) 2020-11-04

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[51] **Int.Cl. A47J 37/06 (2006.01) G05G 1/10 (2006.01)**
[25] EN
[54] **TOASTER OVEN WITH TACTILE FEEDBACK CONTROL**
[54] **FOUR GRILLE-PAIN A COMMANDE DE RETOUR D'INFORMATIONS TACTILE**
[72] NERNBERGER, KROY EVERETT, US
[72] STEINER, PETER ALAN, US
[72] SMITH, JACOB DANIEL, US
[71] SPECTRUM BRANDS, INC., US
[85] 2022-11-04
[86] 2021-05-04 (PCT/US2021/030649)
[87] (WO2021/226079)
[30] US (63/020,214) 2020-05-05

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[13] A1
[51] **Int.Cl. C09K 21/14 (2006.01)**
[25] EN
[54] **FIREPROOF POLYMER ADDITIVE, METHOD OF ITS PRODUCTION AND APPLICATION**
[54] **ADDITIF POLYMERE IGNIFUGE, SON PROCEDE DE PRODUCTION ET SON APPLICATION**
[72] VYLIMEC, JIRI, SK
[72] MAGDINA, ROMAN, SK
[72] NEMECEK, LUBOMIR, CZ
[71] MOVYCHEM, S.R.O., SK
[85] 2022-11-04
[86] 2021-05-04 (PCT/IB2021/053708)
[87] (WO2021/224775)
[30] SK (SK PP 50023-2020) 2020-05-05
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[13] A1
[51] **Int.Cl. H01F 6/00 (2006.01)**
[25] EN
[54] **SUPERCONDUCTOR ELECTROMAGNET**
[54] **ELECTRO-AIMANT SUPRACONDUCTEUR**
[72] LANGTRY, TONY, GB
[71] TOKAMAK ENERGY LTD, GB
[85] 2022-11-04
[86] 2021-05-14 (PCT/EP2021/062844)
[87] (WO2021/229062)
[30] GB (2007245.0) 2020-05-15

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **SIRP ALPHA, SIRP BETA 1, AND SIRP GAMMA ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS DIRIGES CONTRE SIRP ALPHA, SIRP BETA 1, ET SIRP GAMMA ET LEURS UTILISATIONS**
[72] PANICKER, SANDIP, US
[72] ROSENTHAL, ADAM DAVID, US
[72] ROSE, EILEEN LINGSHU, US
[71] ELECTRA THERAPEUTICS, INC., US
[85] 2022-11-04
[86] 2021-05-10 (PCT/US2021/031605)
[87] (WO2021/226591)
[30] US (63/022,309) 2020-05-08

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[13] A1
[51] **Int.Cl. H04B 7/026 (2017.01) H04W 92/18 (2009.01)**
[25] EN
[54] **COORDINATING USER EQUIPMENT SELECTION**
[54] **SELECTION D'EQUIPEMENT UTILISATEUR DE COORDINATION**
[72] WANG, JIBING, US
[72] STAUFFER, ERIK RICHARD, US
[71] GOOGLE LLC, US
[85] 2022-11-04
[86] 2021-04-28 (PCT/US2021/029734)
[87] (WO2021/231091)
[30] US (63/022,904) 2020-05-11

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[51] **Int.Cl. F16B 13/06 (2006.01) F16B 21/00 (2006.01) F16B 21/02 (2006.01) F16B 29/00 (2006.01) F16B 37/04 (2006.01) F16B 39/00 (2006.01)**
[25] EN
[54] **BLIND FASTENER**
[54] **DISPOSITIF DE FIXATION DE STORE**
[72] DISANTIS, RAYMOND, US
[71] SKY CLIMBER FASTENERS LLC, US
[85] 2022-11-07
[86] 2021-05-11 (PCT/US2021/031779)
[87] (WO2021/231426)
[30] US (63/023,519) 2020-05-12

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[13] A1
[51] **Int.Cl. C07K 14/00 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **MODULAR AND GENERALIZABLE BIOSENSOR PLATFORM BASED ON DE NOVO DESIGNED PROTEIN SWITCHES**
[54] **PLATE-FORME DE BIOCAPTEUR MODULAIRE ET GENERALISABLE BASEE SUR DES COMMUTATEURS DE PROTEINE CONCUS DE NOVO**
[72] QUIJANO RUBIO, ALFREDO, US
[72] PARK, JOOYOUNG, US
[72] YEH, HSIEN-WEI, US
[72] BAKER, DAVID, US
[72] CAO, LONGXING, US
[72] COVENTRY, BRIAN, US
[72] GORESHNIK, INNA, US
[72] KOZODOY, LISA, US
[72] STEWART, LANCE JOSEPH, US
[71] UNIVERSITY OF WASHINGTON, US
[85] 2022-11-07
[86] 2021-05-25 (PCT/US2021/034104)
[87] (WO2021/242780)
[30] US (63/030,836) 2020-05-27
[30] US (63/067,643) 2020-08-19
[30] US (63/051,549) 2020-07-14

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[13] A1
[51] **Int.Cl. C09D 5/00 (2006.01) C09D 7/40 (2018.01) C09D 7/63 (2018.01) C09D 7/65 (2018.01) C08J 5/04 (2006.01) C08J 7/04 (2020.01) C09D 101/00 (2006.01)**
[25] EN
[54] **METHODS FOR BIOBASED DERIVATIZATION OF CELLULOSIC AND SYNTHETIC MATERIALS AND ARTICLES OBTAINED THEREFROM**
[54] **PROCEDES DE DERIVATION D'ORIGINE BIOLOGIQUE DE MATERIAUX CELLULOSIQUES ET SYNTHETIQUES ET ARTICLES OBTENUS A PARTIR DE CEUX-CI**
[72] SPENDER, JONATHAN, SG
[72] BILODEAU, MICHAEL ALBERT, SG
[71] GREENTECH GLOBAL PTE. LTD., SG
[85] 2022-11-07
[86] 2021-05-07 (PCT/IB2021/053908)
[87] (WO2021/224881)
[30] US (63/022,097) 2020-05-08

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[13] A1
[51] **Int.Cl. H01B 1/02 (2006.01) H01R 4/64 (2006.01)**
[25] EN
[54] **GROUNDING ELEMENT AND ELECTRICAL INSTALLATION COMPONENT HAVING A GROUNDING ELEMENT**
[54] **ELEMENT DE MISE A LA TERRE ET COMPOSANT D'INSTALLATION ELECTRIQUE POURVU D'UN ELEMENT DE MISE A LA TERRE**
[72] OTT, TONI, DE
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2022-11-07
[86] 2021-05-11 (PCT/EP2021/025179)
[87] (WO2021/228435)
[30] DE (10 2020 112 829.0) 2020-05-12

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[13] A1
[51] **Int.Cl. C07D 405/12 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING NITROFURANTOIN ANHYDRATE, AND PRODUCT THEREOF**
[54] **PROCEDE DE PRODUCTION D'ANHYDRATE DE NITROFURANTOINE, ET PRODUIT ASSOCIE**
[72] KARJALAINEN, OSKARI, FI
[72] LESKINEN, MIKKO, FI
[71] FERMION OY, FI
[85] 2022-11-07
[86] 2021-05-11 (PCT/FI2021/050345)
[87] (WO2021/229147)
[30] FI (20205474) 2020-05-12

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[13] A1
[51] **Int.Cl. C07D 209/44 (2006.01) A61K 31/404 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 405/06 (2006.01) C07D 405/14 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 417/04 (2006.01) C07D 419/14 (2006.01) C07D 491/107 (2006.01)**
[25] EN
[54] **CYP11A1 INHIBITORS**
[54] **INHIBITEURS DE CYP11A1**
[72] DIN BELLE, DAVID, FI
[72] KUMPULAINEN, ESA, FI
[72] MAKELA, MIKKO, FI
[72] PIETIKAINEN, PEKKA, FI
[72] WANG, SHOUMING, FI
[72] WOHLFAHRT, GERD, DE
[71] ORION CORPORATION, FI
[85] 2022-11-07
[86] 2021-05-12 (PCT/FI2021/050353)
[87] (WO2021/229152)
[30] FI (20205486) 2020-05-14

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[13] A1
[51] **Int.Cl. E04H 17/26 (2006.01)**
[25] EN
[54] **ROD SUPPORTING DEVICE AND MANUFACTURING METHOD THEREOF**
[54] **DISPOSITIF DE SUPPORT DE TIGE ET SON PROCEDE DE FABRICATION**
[72] PIVATO, OLIVIO, IT
[71] PIVATO, OLIVIO, IT
[85] 2022-11-17
[86] 2021-01-20 (PCT/EP2021/051122)
[87] (WO2021/249672)
[30] IT (102020000013963) 2020-06-11
[30] IT (102020000032621) 2020-12-29

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[13] A1
[51] **Int.Cl. H01J 1/34 (2006.01) H01J 31/26 (2006.01)**
[25] EN
[54] **COMPACT PROXIMITY FOCUSED IMAGE SENSOR**
[54] **CAPTEUR D'IMAGE A FOCALISATION DE PROXIMITE COMPACT**
[72] COSTELLO, KENNETH, US
[72] RODERICK, KEVIN, US
[72] AEBI, VERLE, US
[71] INTEVAC INC., US
[85] 2022-11-17
[86] 2021-05-24 (PCT/US2021/033948)
[87] (WO2021/237226)
[30] US (16/881,946) 2020-05-22

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[13] A1
[51] **Int.Cl. B32B 1/02 (2006.01) B60K 15/03 (2006.01)**
[25] EN
[54] **SEALED STORAGE TANKS AND METHODS OF MAKING THE SAME**
[54] **RESERVOIRS DE STOCKAGE ETANCHES ET LEURS PROCEDES DE FABRICATION**
[72] HARVEY, ANDRE, US
[72] REDFORD, STEVEN G., US
[72] COFFIN, STACY, US
[72] LAVIN, NICK, US
[71] RAVEN INDUSTRIES, INC., US
[71] HARVEY, ANDRE, US
[85] 2022-11-23
[86] 2021-05-27 (PCT/US2021/034653)
[87] (WO2021/243108)
[30] US (63/032,075) 2020-05-29

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[13] A1
[51] **Int.Cl. A61L 9/20 (2006.01) B60H 1/00 (2006.01) B60H 1/24 (2006.01) B60H 3/00 (2006.01) B60H 3/06 (2006.01)**
[25] EN
[54] **EXHALED AIR PURIFICATION UNIT AND SYSTEM FOR INDOOR MULTI-PERSON VENUES OR ENVIRONMENTS**
[54] **UNITE ET SYSTEME DE PURIFICATION D'AIR EXHALE POUR LIEUX OU ENVIRONNEMENTS INTERIEURS RECEVANT PLUSIEURS PERSONNES**
[72] BLUM, RONALD, US
[72] BROACH, ANITA, US
[72] FRENCH, RUSSELL, US
[71] AIR-CLENZ SYSTEMS, LLC, US
[85] 2022-11-24
[86] 2021-05-26 (PCT/US2021/034281)
[87] (WO2022/005650)
[30] US (63/029,956) 2020-05-26
[30] US (63/046,430) 2020-06-30
[30] US (63/060,009) 2020-08-01
[30] US (63/149,581) 2021-02-15
[30] US (63/048,877) 2020-07-07
[30] US (63/173,443) 2021-04-11
[30] US (63/125,701) 2020-12-15
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[30] US (63/158,983) 2021-03-10
[30] US (63/182,964) 2021-05-02
[30] US (63/063,727) 2020-08-10
[30] US (63/156,598) 2021-03-04

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[13] A1
[51] **Int.Cl. A61M 16/12 (2006.01)**
[25] EN
[54] **FLUID MIXING APPARATUS SUCH AS A VENTILATOR**
[54] **APPAREIL DE MELANGE DE FLUIDE TEL QU'UN RESPIRATEUR**
[72] DALTON, JEFFREY TRAVIS, US
[72] CLIFFORD, JORDAN FRANCIS, US
[72] DEAN, TRAVIS ANDREW, US
[71] LEGACY US INC., US
[85] 2022-11-29
[86] 2021-05-17 (PCT/US2021/032792)
[87] (WO2021/242553)
[30] US (16/888,564) 2020-05-29

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[51] **Int.Cl. A61M 16/12 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **FLUID MIXING APPARATUS SUCH AS A VENTILATOR**
[54] **APPAREIL MELANGEUR DE FLUIDE TEL QU'UN VENTILATEUR**
[72] DALTON, JEFFREY TRAVIS, US
[72] CLIFFORD, JORDAN FRANCIS, US
[72] DEAN, TRAVIS ANDREW, US
[72] REEVES, KIM, US
[71] LEGACY US INC., US
[85] 2022-11-29
[86] 2021-05-17 (PCT/US2021/032819)
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[30] US (16/888,564) 2020-05-29

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[51] **Int.Cl. A61M 16/12 (2006.01)**
[25] EN
[54] **FLUID MIXING APPARATUS SUCH AS A VENTILATOR**
[54] **APPAREIL DE MELANGE DE FLUIDE TEL QU'UN VENTILATEUR**
[72] DALTON, JEFFREY TRAVIS, US
[72] CLIFFORD, JORDAN FRANCIS, US
[72] DEAN, TRAVIS ANDREW, US
[71] LEGACY US INC., US
[85] 2022-11-29
[86] 2021-05-18 (PCT/US2021/032834)
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[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 50/30 (2016.01) A61B 1/12 (2006.01) A61B 1/273 (2006.01) A61B 8/12 (2006.01) A61B 10/04 (2006.01) A61B 18/00 (2006.01) A61L 9/16 (2006.01) F25B 41/00 (2021.01)**
[25] FR
[54] **DEVICE FOR PROTECTING MEDICAL OPERATING DEVICES AND/OR EXAMINATION DEVICES SUCH AS AN ENDOSCOPE FROM AERIAL CONTAMINATION**
[54] **DISPOSITIF DE PROTECTION CONTRE LES CONTAMINATIONS PAR VOIE AERIENNE DE DISPOSITIFS MEDICAUX OPERATOIRES ET/OU D'EXAMEN TELS QU'UN ENDOSCOPE**
[72] CHAUSSADE, STANISLAS, FR
[71] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
[85] 2022-12-09
[86] 2021-06-11 (PCT/EP2021/065857)
[87] (WO2021/250264)
[30] FR (FR2006180) 2020-06-12

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[13] A1
[51] **Int.Cl. E04F 21/06 (2006.01)**
[25] EN
[54] **MORTAR APPLICATOR AND MORTAR APPLICATION SYSTEM HAVING SAME**
[54] **APPLICATEUR DE MORTIER ET SYSTEME D'APPLICATION DE MORTIER LE COMPRENANT**
[72] PUCELLA, GIOVANNI, CA
[72] LAVOIE, MARC-MICHEL, CA
[72] KEIGHAN, GUILLAUME, CA
[72] DUFOUR, JEAN-DANIEL, CA
[72] GOUDREAULT, ERIC, CA
[72] MORASSE, JEAN-PHILIPPE, CA
[71] GROUPE REFRACO INC., CA
[85] 2022-12-09
[86] 2021-06-09 (PCT/CA2021/050788)
[87] (3182229)
[30] US (63/036,715) 2020-06-09

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[13] A1
[51] **Int.Cl. B05B 1/30 (2006.01) B05B 12/08 (2006.01)**
[25] EN
[54] **DUCT THROTTLED SPRAYER NOZZLE ASSEMBLIES AND METHODS FOR SAME**
[54] **ENSEMBLES BUSES DE PULVERISATEUR A ETRANGLEMENT DE CONDUIT ET PROCEDES POUR CEUX-CI**
[72] BURGERS, TRAVIS, US
[72] STEENSMA, SETH, US
[72] KROSSCHELL, JUSTIN, US
[72] KOCER, JARED ERNEST, US
[71] RAVEN INDUSTRIES, INC., US
[85] 2022-12-09
[86] 2021-06-24 (PCT/US2021/038955)
[87] (WO2021/263024)
[30] US (63/043,741) 2020-06-24

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[51] **Int.Cl. A61B 5/145 (2006.01) A61B 50/30 (2016.01) A61B 5/1486 (2006.01) A61B 5/157 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR APPLICATION OF MICRONEEDLE ARRAYS**
[54] **DISPOSITIFS ET PROCEDES POUR L'APPLICATION DE RESEAUX DE MICRO-AIGUILLES A L'AIDE D'ACCELERATIONS RADIALES ET AXIALES**
[72] MORELOCK, DAVID MICHAEL, US
[72] SYLLIAASEN, SCOTT JAMES, US
[72] MANSFIELD, GEORGE, US
[72] SAMANT, PRADNYA PRAKASH, US
[72] CHAUDHURI, BUDDHADEV PAUL, US
[72] TANGNEY, JARED, US
[72] GAMELIN, ANDRE, US
[72] WINDMILLER, JOSHUA, US
[71] BIOLINQ, INC., US
[85] 2022-12-14
[86] 2021-06-15 (PCT/US2021/037511)
[87] (WO2021/257624)
[30] US (63/040,295) 2020-06-17

[21] **3,183,246**
[13] A1
[25] EN
[54] **NON-STEROIDAL TOPICAL COMPOSITION AND METHOD THEREOF**
[54] **COMPOSITION TOPIQUE NON STEROIDIENNE ET METHODE**
[72] GUPTA, ANUPAM, IN
[71] GUPTA, ANUPAM, IN
[85] 2022-11-30
[86] 2021-07-23 (PCT/IN2021/050722)
[87] (3183246)
[30] IN (202111025676) 2021-06-09

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[13] A1
[51] **Int.Cl. B25J 9/12 (2006.01) B25J 21/00 (2006.01)**
[25] EN
[54] **DEVICE FOR MANIPULATING AN OBJECT, METHOD FOR FILLING AN OBJECT, AND CORRESPONDING USE**
[54] **DISPOSITIF POUR MANIPULER UN OBJET, METHODE DE REMPLISSAGE D'UN OBJET ETUTILISATION CORRESPONDANTE**
[72] TONDERA, MARC, CH
[72] SCHNEIDLER, TOBIAS JAN, CH
[72] CARLI, JULIA ANNETTE, CH
[72] MULLER, MATHIEU, CH
[72] LEUENBERGER, PHILIPP, CH
[72] RETHORET, CHRISTOPHE, CH
[72] ZELLER, MIKE, CH
[71] TT INNOVATION AG, CH
[85] 2022-11-28
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[87] (3183285)
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[13] A1
[51] **Int.Cl. A41D 13/002 (2006.01) A41D 13/11 (2006.01) A42B 3/24 (2006.01) A42B 3/28 (2006.01) A62B 7/10 (2006.01) A62B 18/02 (2006.01)**
[25] EN
[54] **PROTECTIVE MASK**
[54] **MASQUE DE PROTECTION**
[72] CHANDLER, TREVOR, US
[72] BROWN, MICHAEL, US
[72] ENG-MORRIS, JOSHUA, US
[72] GOETZ, JOSHUA K., US
[71] INTELLISAFE LLC, US
[85] 2022-12-20
[86] 2021-06-29 (PCT/US2021/039588)
[87] (WO2022/006088)
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[21] **3,185,235**
[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01)**
[25] EN
[54] **RECIPROCATING PRESSURE PERFUSION SYSTEM AND METHODS**
[54] **SYSTEME DE PERFUSION A PRESSION ALTERNATIVE ET PROCEDES**
[72] JESSOP, ISRAEL, US
[71] VASCULAR PERFUSION SOLUTIONS, INC., US
[85] 2023-01-06
[86] 2021-07-08 (PCT/US2021/040896)
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[30] US (63/049,217) 2020-07-08

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[13] A1
[51] **Int.Cl. A45D 33/32 (2006.01) H02J 50/12 (2016.01) A45D 33/18 (2006.01) A45D 40/18 (2006.01) A45D 40/22 (2006.01) G02F 1/19 (2019.01)**
[25] EN
[54] **COSMETIC CONTAINER COMPRISING A SURFACE WITH CONTROLLABLE TRANSPARENCY**
[54] **CONTENANT POUR PRODUIT COSMETIQUE COMPRENANT UNE SURFACE A TRANSPARENCE REGULABLE**
[72] YAN, JIAN, CA
[72] ROMAN, SCOTT CHARLES, US
[72] CHATEAUVERT, MATTHEW, US
[71] ELC MANAGEMENT LLC, US
[85] 2023-01-12
[86] 2021-07-20 (PCT/US2021/042449)
[87] (WO2022/020401)
[30] US (16/936,416) 2020-07-22

[21] **3,185,979**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/13 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING SETTINGS OF AN ULTRASOUND SCANNER**
[54] **PROCEDE ET SYSTEME DE COMMANDE DE REGLAGE D'UN SCANNER ULTRASONORE**
[72] DICKIE, KRIS, CA
[71] CLARIUS MOBILE HEALTH CORP., CA
[85] 2022-11-08
[86] 2021-05-07 (PCT/CA2021/050643)
[87] (WO2021/226706)
[30] US (16/870,936) 2020-05-09

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[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 11/02 (2006.01)**
[25] EN
[54] **PLANTING APPARATUS**
[54] **APPAREIL DE PLANTATION**
[72] BAUERMEISTER, DANIEL JACOBUS, ZA
[72] SCHOEMAN, LODEWYK, ZA
[72] STEENKAMP, HELGAARD PETRUS, ZA
[71] NOVELQUIP FORESTRY (PTY) LTD, ZA
[85] 2022-11-22
[86] 2021-05-19 (PCT/ZA2021/050033)
[87] (WO2021/237252)
[30] ZA (2020/03018) 2020-05-22

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[13] A1
[51] **Int.Cl. B28B 23/00 (2006.01) C04B 12/00 (2006.01) C04B 28/00 (2006.01) C04B 32/02 (2006.01) E04C 5/10 (2006.01) E04G 21/12 (2006.01)**
[25] FR
[54] **GROUT FOR THE INJECTION OF PRESTRESSING CABLES AND METHOD FOR INSTALLING A CABLE COMPRISING SUCH A GROUT**
[54] **COULIS POUR L'INJECTION DE CABLES DE PRECONTRAINTE ET PROCEDE D'INSTALLATION D'UN CABLE COMPRENANT UN TEL COULIS**
[72] TOURNEUR, CHRISTIAN, FR
[72] MERCIER, JULIEN, FR
[72] ZIVANOVIC, IVICA, FR
[72] HALLOPEAU, XAVIER, FR
[71] SOLETANCHE FREYSSINET, FR
[85] 2022-12-05
[86] 2021-06-03 (PCT/FR2021/051007)
[87] (WO2021/245359)
[30] FR (20 05925) 2020-06-05

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/08 (2006.01) A61B 7/00 (2006.01)**
[25] EN
[54] **EVENT DETECTION IN SUBJECT SOUNDS**
[54] **DETECTION D'EVENEMENT DANS DES SONS D'UN SUJET**
[72] WOOD, JAVAN TANNER, AU
[72] PELTONEN, VESA TUOMAS KRISTIAN, AU
[72] MAY, JOHN CAMPBELL, AU
[72] PARTRIDGE, NICHOLAS KIM, AU
[71] RESAPP HEALTH LIMITED, AU
[85] 2022-12-05
[86] 2021-06-18 (PCT/AU2021/050636)
[87] (WO2021/253093)
[30] AU (2020902025) 2020-06-18

[21] **3,185,992**
[13] A1
[51] **Int.Cl. G09G 5/00 (2006.01) H04L 9/00 (2022.01) H04L 9/08 (2006.01)**
[25] EN
[54] **DATA PROCESSING SYSTEM FOR SECURE DATA SHARING AND CUSTOMIZED OUTPUT GENERATION**
[54] **SYSTEME DE TRAITEMENT DE DONNEES POUR PARTAGE DE DONNEES SECURISE ET GENERATION DE SORTIE PERSONNALISEE**
[72] HAYES, HOWARD, US
[72] CHINTAKINDI, SUNIL, US
[72] KUMAR, SURENDER, US
[72] GIBSON, TIM, US
[71] ALLSTATE INSURANCE COMPANY, US
[85] 2022-12-05
[86] 2021-04-01 (PCT/US2021/025397)
[87] (WO2021/252050)
[30] US (16/897,726) 2020-06-10

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[13] A1
[51] **Int.Cl. A61K 31/138 (2006.01) A61P 25/18 (2006.01)**
[25] EN
[54] **ENDOXIFEN FOR THE TREATMENT OF BIPOLAR I DISORDER**
[54] **ENDOXIFEN POUR LE TRAITEMENT DU TROUBLE BIPOLAIRE DE TYPE I**
[72] AHMAD, ATEEQ, US
[72] AHMAD, IMRAN, US
[72] AHMAD, MOGHISUDDIN, US
[72] ALI, SHOUKATH M., US
[72] SHEIKH, SAIFUDDIN, US
[71] JINA PHARMACEUTICALS, INC., US
[85] 2022-09-27
[86] 2021-04-09 (PCT/IB2021/052972)
[87] (WO2021/205404)
[30] US (63/008,162) 2020-04-10

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[13] A1
[51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/77 (2006.01) B29C 45/80 (2006.01)**
[25] EN
[54] **METHOD OF DETECTING AND COMPENSATING FOR A NON-OPERATIONAL MOLD CAVITY IN AN INJECTION MOLDING APPARATUS**
[54] **PROCEDE DE DETECTION ET DE COMPENSATION POUR UNE CAVITE DE MOULE NON OPERATIONNELLE DANS UN APPAREIL DE MOULAGE PAR INJECTION**
[72] COLLINS, BRYLER, US
[72] BURNS, BRIAN M., US
[72] ALTONEN, GENE MICHAEL, US
[72] BIRCHMEIER, BRANDON MICHAEL, US
[72] CRAVER, MATTHEW, US
[71] IMFLUX INC., US
[85] 2022-12-05
[86] 2021-05-19 (PCT/US2021/033058)
[87] (WO2021/257228)
[30] US (63/039,356) 2020-06-15

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[13] A1
[51] **Int.Cl. B65G 37/00 (2006.01) B65G 47/91 (2006.01)**
[25] EN
[54] **CONVEYOR SYSTEM WITH MULTIPLE ROBOT SINGULATORS**
[54] **SYSTEME DE TRANSPORTEUR A MULTIPLES SEPARATEURS ROBOTS**
[72] PATIL, MADHAV DEVIDAS, US
[72] MCCUE, MICHAEL ALAN, US
[72] COATS, BRANDON WAYNE, US
[72] HILLERICH, JR., THOMAS ANTHONY, US
[72] GANDHI, VARUN GANDHI MUKESH, US
[71] MATERIAL HANDLING SYSTEMS, INC., US
[85] 2022-12-05
[86] 2021-05-21 (PCT/US2021/033600)
[87] (WO2021/262360)
[30] US (63/042,145) 2020-06-22
[30] US (17/325,719) 2021-05-20

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[13] A1
[51] **Int.Cl. E21B 47/12 (2012.01) G01V 1/46 (2006.01) G01V 1/50 (2006.01)**
[25] EN
[54] **PREDICTING FORMATION-TOP DEPTHS AND DRILLING PERFORMANCE OR DRILLING EVENTS AT A SUBJECT LOCATION**
[54] **PREDICTION DE PROFONDEURS DE SOMMETS DE FORMATIONS ET DE PERFORMANCES DE FORAGES OU D'EVENEMENTS DE FORAGES AU NIVEAU D'UN EMPLACEMENT OBJET**
[72] JEONG, CHEOLKYUN, US
[72] YU, YINGWEI, US
[72] VESSELINOV, VELIZAR, US
[72] MEEHAN, RICHARD JOHN, US
[72] MISHRA, PRIYA, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-12-05
[86] 2021-05-27 (PCT/US2021/034518)
[87] (WO2021/247363)
[30] US (63/034,903) 2020-06-04

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[13] A1
[51] **Int.Cl. B60D 1/38 (2006.01) B60D 1/00 (2006.01) B60D 1/01 (2006.01) B60D 1/04 (2006.01) B60D 1/24 (2006.01) B60D 1/36 (2006.01) B60D 1/62 (2006.01)**
[25] EN
[54] **MECHANIZED TRAILER CONNECTOR**
[54] **RACCORD DE REMORQUE MECANISE**
[72] DELIZO, STAN, US
[72] HAN, YEN-LIN, US
[72] CROSS, BENJAMIN M., US
[72] HART, TREVOR R., US
[72] NOORFESHAN, SAHM, US
[72] VAN VALKENBURGH, OWEN F., US
[71] PACCAR INC., US
[71] DELIZO, STAN, US
[71] HAN, YEN-LIN, US
[71] CROSS, BENJAMIN M., US
[71] HART, TREVOR R., US
[71] NOORFESHAN, SAHM, US
[71] VAN VALKENBURGH, OWEN F., US
[85] 2022-12-05
[86] 2021-06-01 (PCT/US2021/035231)
[87] (WO2021/247559)
[30] US (63/035,089) 2020-06-05

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[13] A1
[51] **Int.Cl. B65D 5/54 (2006.01) B65D 5/42 (2006.01) B65D 5/64 (2006.01) B65D 5/66 (2006.01) B65D 77/32 (2006.01)**
[25] EN
[54] **SELF-SEALING CONTAINER**
[54] **CONTENANT A FERMETURE HERMETIQUE**
[72] COLLIS, RONALD, US
[72] BOWEN, JAMES RYAN, US
[71] SAFESEAL-SYSTEMS, US
[85] 2022-12-05
[86] 2021-06-04 (PCT/US2021/035815)
[87] (WO2021/247947)
[30] US (63/034,941) 2020-06-04

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[13] A1
[51] **Int.Cl. B65D 45/00 (2006.01) B65D 45/16 (2006.01) B65D 55/02 (2006.01)**
[25] EN
[54] **SECURABLE CLIP**
[54] **ATTACHE POUVANT ETRE FIXEE**
[72] COLLIS, RONALD, US
[72] BOWEN, JAMES RYAN, US
[71] SAFESEAL-SYSTEMS, US
[85] 2022-12-05
[86] 2021-06-04 (PCT/US2021/035816)
[87] (WO2021/247948)
[30] US (63/034,944) 2020-06-04
[30] US (63/034,948) 2020-06-04
[30] US (63/034,953) 2020-06-04

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[13] A1
[51] **Int.Cl. A01N 25/18 (2006.01) A23B 7/144 (2006.01) B65D 81/28 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR RELEASE AND DELIVERY OF ACTIVE INGREDIENTS**
[54] **DISPOSITIFS ET PROCEDES POUR LA LIBERATION ET L'ADMINISTRATION D'INGREDIENTS ACTIFS**
[72] THAM, YUAN FANG, US
[72] PRESLAR, ADAM TRUETT, GB
[71] HAZEL TECHNOLOGIES, INC., US
[85] 2022-12-05
[86] 2021-06-04 (PCT/US2021/035836)
[87] (WO2021/247958)
[30] US (63/035,564) 2020-06-05
[30] US (63/072,703) 2020-08-31

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[13] A1
[51] **Int.Cl. G01N 33/53 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR PREDICTING IN VIVO FUNCTIONAL IMPAIRMENTS AND EVENTS**
[54] **APPAREIL ET METHODES DE PREDICTION DE DEFICIENCES ET D'EVENEMENTS FONCTIONNELS IN VIVO**
[72] CROMWELL, JOHN W., US
[71] ENTAC MEDICAL, INC., US
[85] 2022-12-05
[86] 2021-06-04 (PCT/US2021/036037)
[87] (WO2021/248092)
[30] US (63/034,686) 2020-06-04

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **ANTI-CD171 CHIMERIC ANTIGEN RECEPTORS**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES ANTI-CD171**
[72] JENSEN, MICHAEL C., US
[72] JOHNSON, ADAM, US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US
[85] 2022-12-05
[86] 2021-06-07 (PCT/US2021/036171)
[87] (WO2021/252358)
[30] US (63/036,021) 2020-06-08

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[13] A1
[51] **Int.Cl. G06F 3/048 (2013.01) G06Q 20/06 (2012.01) G06Q 20/36 (2012.01) G06Q 20/40 (2012.01) G06K 19/06 (2006.01) H04L 9/06 (2006.01) H04L 9/08 (2006.01)**
[25] EN
[54] **MULTIPLE MICROPROCESSOR ARCHITECTURE FOR COLD STORAGE**
[54] **ARCHITECTURE A MICROPROCESSEURS MULTIPLES POUR STOCKAGE A FROID**
[72] SILVESTRI, CHESTER, US
[72] SILVESTRI, ADAM, US
[71] ICOIN TECHNOLOGY, INC., US
[85] 2022-12-05
[86] 2021-06-02 (PCT/US2021/035349)
[87] (WO2021/247639)
[30] US (16/892,480) 2020-06-04

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[13] A1
[51] **Int.Cl. G08G 1/16 (2006.01)**
[25] EN
[54] **PERFORMING LOW PROFILE OBJECT DETECTION ON A MOWER**
[54] **EXECUTION DE DETECTION D'OBJET A PROFIL BAS SUR UNE FAUCHEUSE**
[72] WILSON, ELI, US
[72] APOSHIAN, STEVEN, US
[72] ASTON, ERIC, US
[72] DECKER, WILLIAM, US
[71] FIREFLY AUTOMATIX, INC., US
[85] 2022-12-05
[86] 2021-06-03 (PCT/US2021/035583)
[87] (WO2021/247790)
[30] US (16/892,780) 2020-06-04

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[13] A1
[51] **Int.Cl. G09F 3/10 (2006.01) B65D 23/14 (2006.01) G09F 3/00 (2006.01) G09F 3/04 (2006.01) G09F 7/18 (2006.01)**
[25] EN
[54] **FLAG LABEL**
[54] **ETIQUETTE DE TYPE DRAPEAU**
[72] GIAIMO, JON J., US
[72] GAUTHIER, CHRISTOPHER R., US
[71] BRADY WORLDWIDE, INC., US
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[30] US (63/035,348) 2020-06-05

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[54] **INHIBITORS OF NEK7 KINASE**
[54] **INHIBITEURS DE LA KINASE NEK7**
[72] BEARSS, DAVID JAMES, US
[72] KAUWE III, JOHN SAI KEONG, US
[72] MOLLARD, ALEXIS HENRI ABEL, US
[71] HALIA THERAPEUTICS, INC., US
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[87] (WO2021/252488)
[30] US (63/036,244) 2020-06-08
[30] US (63/170,776) 2021-04-05
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[54] **NAVIGATIONAL AND/OR ROBOTIC TRACKING METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES DE NAVIGATION ET/OU DE SUIVI ROBOTIQUE**
[72] SEXSON, BENJAMIN, US
[72] PATIL, HRISHEEKESH, US
[71] MONOGRAM ORTHOPAEDICS INC., US
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[86] 2021-06-11 (PCT/US2021/036985)
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[51] **Int.Cl. G01N 1/36 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COVERSLIPPING SLIDES**
[54] **SYSTEMES ET PROCEDES DE MONTAGE SUR LAMELLE COUVRE-OBJET DE LAMES**
[72] ANDERSON, ROLFE, US
[72] MCCAMPBELL, ADRIENNE, US
[72] LIM, VICTOR, US
[72] SCHEMBRI, CAROL T., US
[72] JOHANNSEN, MICHAL, US
[72] NIELSEN, FLEMING LASSEN, US
[71] AGILENT TECHNOLOGIES, INC., US
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[51] **Int.Cl. G01N 17/02 (2006.01) G01F 1/88 (2006.01) G01N 17/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTINUOUS MEASUREMENT OF EROSION AND CORROSION IN OIL AND GAS FACILITIES**
[54] **SYSTEMES ET PROCEDES DE MESURE CONTINUE D'EROSION ET DE CORROSION DANS DES INSTALLATIONS PETROLIERES ET GAZIERES**
[72] CAMERON, JOHN ALASDAIR, US
[72] JONES, COLIN, GB
[72] JANAKIRAM SUBRAMANI, HARIPRASAD, US
[72] RHYNE, LEE D., US
[72] LAZO, ANTONIO, US
[71] CHEVRON U.S.A. INC., US
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[54] **DENTAL TRAINING DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE FORMATION DENTAIRE**
[72] PASCHKE, RICHARD H., US
[72] DRYER, MARIANNE, US
[72] PASCHKE, NOEL S., US
[71] PASCHKE ULTRASONIX LLC, US
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[54] **GLUCOSE ALERT PREDICTION HORIZON MODIFICATION**
[54] **MODIFICATION D'HORIZON DE PREDICTION D'ALERTE DE GLUCOSE**
[72] JEPSON, LAUREN HRUBY, US
[72] PICKUS, SARAH KATE, US
[72] VAN DER LINDEN, JOOST, US
[71] DEXCOM, INC., US
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[25] EN
[54] **MECHANICALLY ACTUATED TUBULAR DRILLING, REAMING AND RUNNING TOOL WITH SLIP SET CONTROL**
[54] **OUTIL DE FORAGE, D'ALESAGE ET DE POSE TUBULAIRE A ACTIONNEMENT MECANIQUE DOTE D'UNE COMMANDE DE POSE DE COINS DE RETENUE**
[72] HENDERSON, KRIS, US
[72] SUBRAMANIAN, JAYARAM, US
[71] PREMIERE, INC., US
[85] 2022-12-05
[86] 2021-06-05 (PCT/US2021/036057)
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[51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/00 (2006.01) B29C 45/17 (2006.01) B29C 45/46 (2006.01) B29C 45/47 (2006.01) B29C 45/77 (2006.01)**
[25] EN
[54] **INDEPENDENT STARTUP MODE FOR INJECTION MOLDING**
[54] **MODE DE DEMARRAGE INDEPENDANT POUR MOULAGE PAR INJECTION**
[72] BIRCHMEIER, BRANDON MICHAEL, US
[72] BURNS, BRIAN MATTHEW, US
[72] ALTONEN, GENE MICHAEL, US
[71] IMFLUX INC., US
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[30] US (63/039,050) 2020-06-15

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[51] **Int.Cl. B29C 43/58 (2006.01) B29C 45/40 (2006.01) B29C 45/76 (2006.01) B29C 45/77 (2006.01) B29C 45/80 (2006.01) B29C 53/58 (2006.01)**
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[54] **INJECTION MOLDING HAVING VARIABLE VOLUME RECOVERY**
[54] **MOULAGE PAR INJECTION A RECUPERATION DE VOLUME VARIABLE**
[72] BIRCHMEIER, BRANDON MICHAEL, US
[72] BURNS, BRIAN M., US
[72] ALTONEN, GENE MICHAEL, US
[72] LAWLESS, WILLIAM FRANCIS, III, US
[71] IMFLUX INC., US
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[25] EN
[54] **LARGEST EMPTY CORNER RECTANGLE BASED PROCESS DEVELOPMENT**
[54] **DEVELOPPEMENT DE PROCESSUS FONDE SUR LE PLUS GRAND RECTANGLE DE COIN VIDE**
[72] BIRCHMEIER, BRANDON MICHAEL, US
[71] IMFLUX INC., US
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[54] **DEVICE FOR BIOLOGICAL CELL COLLECTION AND METHOD OF USE**
[54] **DISPOSITIF DE COLLECTE DE CELLULES BIOLOGIQUES ET PROCEDE D'UTILISATION**
[72] CHAK, AMITABH, US
[72] MARKOWITZ, SANDORD, US
[72] SIEDLAK, DENNIS, US
[72] WILLIS, JOSEPH, US
[72] AKLOG, LISHAN, US
[72] BOUTILLETTE, MICHAEL, US
[72] YAZBECK, RICHARD, US
[71] CASE WESTERN REVERSE UNIVERSITY, US
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[25] EN
[54] **NOVEL RESISTANCE GENES ASSOCIATED WITH DISEASE RESISTANCE IN SOYBEANS**
[54] **NOUVEAUX GENES DE RESISTANCE ASSOCIES A LA RESISTANCE AUX MALADIES DU SOJA**
[72] CURLEY JR., THOMAS JOSEPH, US
[72] BREITINGER, BECKY WELSH, US
[72] HIPSKIND, JOHN DANIEL, US
[72] DAWSON, JOHN LUTHER, US
[72] TAN, XIAOPING, US
[72] FARMER, ANDREW DAVID, US
[72] CHUNG, EUIHWAN, US
[72] LIU, QINGLI, US
[71] SYNGENTA CROP PROTECTION AG, CH
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[51] **Int.Cl. C07D 413/12 (2006.01) C07B 37/10 (2006.01) C07B 39/00 (2006.01) C07B 41/04 (2006.01) C07C 67/307 (2006.01) C07C 69/62 (2006.01) C07D 239/30 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF FLUOXASTROBIN AND INTERMEDIATES THEREOF**
[54] **PROCEDE DE PREPARATION DE FLUOXASTROBINE ET SES INTERMEDIAIRES**
[72] PANCHAL, DIGISHKUMAR MANUBHAI, IN
[72] TANDEL, PARESHKUMAR KALYANJI, IN
[71] UPL LIMTED, IN
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[25] EN
[54] **SMALL SEWAGE TREATMENT PLANT**
[54] **INSTALLATION DE TRAITEMENT DES EAUX USEES A PETITE ECHELLE**
[72] RICHTER, BODO, DE
[71] RICHTER, BODO, DE
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[30] DE (20 2020 103 837.0) 2020-07-02

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[51] **Int.Cl. C08F 222/30 (2006.01) C08F 222/32 (2006.01) C09J 4/00 (2006.01) C09J 135/04 (2006.01)**
[25] EN
[54] **CYANOACRYLATE COMPOSITIONS**
[54] **COMPOSITIONS DE CYANOACRYLATE**
[72] GERNON, TAMMY, IE
[72] MOONEY, AINE, IE
[72] JORDAN, MICHAEL, IE
[72] REILLY, SUSAN, IE
[72] SMYTH, MARTIN, IE
[72] MOORE, DEBORAH, IE
[72] HEDDERMAN, PATRICIA, IE
[71] HENKEL AG & CO. KGAA, DE
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[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 31/4985 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **ACALABRUTINIB MALEATE DOSAGE FORMS**
[54] **FORMES POSOLOGIQUES DE MALEATE D'ACALABRUTINIB**
[72] BETHEL, PAUL, GB
[72] BLYTH, JOHN, GB
[72] COSGROVE, STEVE, GB
[72] GOLDEN, MICHAEL, GB
[72] MANN, JAMES, GB
[72] PEPIN, XAVIER JACQUES HENRI, GB
[72] ROBBINS, ANDREW, GB
[72] SIMPSON, DAVID, GB
[71] ACERTA PHARMA B.V., NL
[85] 2022-12-05
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[51] **Int.Cl. A61K 38/22 (2006.01) A61P 9/00 (2006.01) C07K 14/64 (2006.01)**
[25] EN
[54] **HETERODIMERIC RELAXIN FUSIONS AND USES THEREOF**
[54] **FUSIONS DE RELAXINE HETERODIMERES ET UTILISATIONS ASSOCIEES**
[72] SERMADIRAS, ISABELLE, GB
[72] PAPWORTH, MONIKA ANNA, GB
[72] PATERSON, JUDY CHRISTIANE, GB
[72] MARTIN, ESTHER MARIE, GB
[72] KE, PENG, GB
[71] MEDIMMUNE LIMITED, GB
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[25] EN
[54] **PHARMACEUTICAL COMPOUND FOR THE TREATMENT OF ATHEROSCLEROTIC CARDIOVASCULAR DISEASE**
[54] **COMPOSE PHARMACEUTIQUE POUR LE TRAITEMENT D'UNE MALADIE CARDIOVASCULAIRE ATHEROSCLEREUSE**
[72] SCHULTE, DOMINIK, DE
[72] WATZIG, GEORG, DE
[72] LAUDES, MATTHIAS, DE
[72] SCHREIBER, STEFAN, DE
[71] FERRING B.V., NL
[85] 2022-12-05
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[25] EN
[54] **1-(5-(2-CYANOPYRIDIN-4-YL)OXAZOLE-2-CARBONYL)-4-METHYLHEXAHYDROPYRROLO [3,4-B]PYR ROLE-5(1H)-CARBONITRILE AS USP30 INHIBITOR FOR USE IN THE TREATMENT OF MITOCHONDRIAL DYSFUNCTION, CANCER AND FIBROSIS**
[54] **1-(5-(2-CYANOPYRIDIN-4-YL)OXAZOLE-2-CARBONYL)-4-METHYLHEXAHYDROPYRROLO [3,4-B]PYRROLE-5(1H)-CARBONITRILE UTILISE EN TANT QU'INHIBITEUR D'USP30 POUR LE TRAITEMENT D'UN DYSFONCTIONNE MENT MITOCHONDRIAL, D'UN CANCER ET D'UNE FIBROSE**
[72] LUCKHURST, CHRISTOPHER ANDREW, GB
[72] KEMP, MARK IAN, GB
[72] THOMPSON, PAUL WILLIAM, GB
[72] STOCKLEY, MARTIN LEE, GB
[71] MISSION THERAPEUTICS LIMITED, GB
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[86] 2021-06-07 (PCT/EP2021/065112)
[87] (WO2021/249909)
[30] GB (2008598.1) 2020-06-08
[30] GB (2016758.1) 2020-10-22

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[51] **Int.Cl. B27N 3/00 (2006.01) C08H 7/00 (2011.01) C07G 1/00 (2011.01) C08G 8/38 (2006.01) C08K 5/13 (2006.01) C08L 97/00 (2006.01) C09J 161/06 (2006.01) C09J 161/12 (2006.01) C09J 197/00 (2006.01)**
[25] EN
[54] **STABLE LIGNIN-PHENOL BLEND FOR USE IN LIGNIN MODIFIED PHENOL-FORMALDEHYDE RESINS**
[54] **MELANGE DE LIGNINE-PHENOL STABLE DESTINE A ETRE UTILISE DANS DES RESINES PHENOL-FORMALDEHYDE MODIFIEES PAR DE LA LIGNINE**
[72] CARMONA, REBECA REGUILLO, AT
[72] DICKE, RENE, AT
[72] HERWIJNEN, HENDRIKUS VAN, AT
[72] ZEPPETZAUER, FRANZ, AT
[72] KAMM, BIRGIT, AT
[72] SOLT-RINDLER, PIA, AT
[71] BOREALIS AG, AT
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[86] 2021-06-07 (PCT/EP2021/065095)
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[30] EP (20179215.7) 2020-06-10

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[51] **Int.Cl. E01B 27/16 (2006.01)**
[25] EN
[54] **MACHINE AND METHOD WITH A TAMPING UNIT**
[54] **MACHINE ET PROCEDE UTILISANT UN ENSEMBLE DE BOURRAGE**
[72] PHILIPP, THOMAS, AT
[72] HOFSTATTER, JOSEF, AT
[71] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H., AT
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[87] (WO2022/002520)
[30] AT (A50566/2020) 2020-07-03

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[51] **Int.Cl. F24C 15/20 (2006.01) F24F 3/163 (2021.01) F24F 8/97 (2021.01) F24F 7/00 (2021.01) F24F 7/08 (2006.01) F24F 9/00 (2006.01) F24F 11/00 (2018.01)**
[25] EN
[54] **METHOD FOR PREPARING DECONTAMINATION MEASURES, DEVICE AND METHOD FOR CARRYING OUT DECONTAMINATION MEASURES, AND METHOD FOR MONITORING DECONTAMINATION**
[54] **PROCEDE DE PREPARATION DE MESURES DE DECONTAMINATION, DISPOSITIF ET PROCEDE POUR METTRE EN UVRE DES MESURES DE DECONTAMINATION ET PROCEDE DE SURVEILLANCE DE MESURES DE DECONTAMIN ATION**
[72] DECHERT, MICHAEL DIETER, DE
[72] GEORG, SILVANO, DE
[71] DECHERT, MICHAEL DIETER, DE
[71] GEORG, SILVANO, DE
[85] 2022-12-05
[86] 2021-05-14 (PCT/EP2021/062872)
[87] (WO2021/229074)
[30] EP (PCT/EP2020/063710) 2020-05-15
[30] EP (PCT/EP2020/065694) 2020-06-05
[30] DE (10 2021 106 401.5) 2021-03-16

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[51] **Int.Cl. G07D 7/00 (2016.01) G07D 7/121 (2016.01)**
[25] EN
[54] **DEVICE AND SYSTEM FOR INSPECTING AT LEAST ONE DIFFRACTIVE OPTICAL ELEMENT OF A DOCUMENT**
[54] **DISPOSITIF ET SYSTEME D'INSPECTION D'AU MOINS UN ELEMENT OPTIQUE DIFFRACTIF D'UN DOCUMENT**
[72] MILOSAVLJEVIC, MILAN, RS
[71] MUHLBAUER GMBH & CO. KG, DE
[85] 2022-12-05
[86] 2021-04-29 (PCT/EP2021/061309)
[87] (WO2021/244807)
[30] DE (10 2020 114 980.8) 2020-06-05

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[51] **Int.Cl. C01B 32/40 (2017.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING CARBON MONOXIDE FROM CARBON DIOXIDE**
[54] **PROCEDE ET DISPOSITIF PERMETTANT LA PRODUCTION DE MONOXYDE DE CARBONE A PARTIR DE DIOXYDE DE CARBONE**
[72] REICHBAUER, THOMAS, DE
[72] SCHMID, GUNTER, DE
[72] KLINGER, ANDRE, DE
[72] MUSAYEV, YASHAR, DE
[71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
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[30] DE (10 2020 208 634.6) 2020-07-09
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[51] **Int.Cl. E01B 27/13 (2006.01) E01B 27/20 (2006.01)**
[25] EN
[54] **MACHINE AND METHOD FOR COMPACTING A BALLAST BED OF A TRACK**
[54] **MACHINE ET PROCEDE POUR COMPACTER UN LIT DE BALLAST D'UNE VOIE**
[72] AUER, FLORIAN, AT
[72] ANTONY, BERNHARD, AT
[72] BUCHBAUER, DAVID, AT
[71] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H., AT
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[30] AT (A50591/2020) 2020-07-09

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[51] **Int.Cl. H04W 4/06 (2009.01) H04W 4/08 (2009.01) H04W 4/021 (2018.01)**
[25] EN
[54] **MULTICAST/BROADCAST INFORMATION TRANSMISSION METHOD AND DEVICE, STORAGE MEDIUM, AND ELECTRONIC DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION D'INFORMATIONS DE DIFFUSION/MULTIDIFFUSION, SUPPORT D'ENREGISTREMENT ET DISPOSITIF ELECTRONIQUE**
[72] CHEN, LIN, CN
[72] MA, ZIJIANG, CN
[72] QI, TAO, CN
[72] WANG, LIPING, CN
[72] ZHU, HAO, CN
[72] CAO, KUN, CN
[71] ZTE CORPORATION, CN
[85] 2022-12-19
[86] 2021-04-14 (PCT/CN2021/087260)
[87] (WO2021/208975)
[30] CN (202010297269.6) 2020-04-15

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[51] **Int.Cl. A61M 5/19 (2006.01) A61J 1/20 (2006.01) A61J 1/22 (2006.01) A61M 5/20 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **A DYNAMIC MIXING AND DELIVERY SYSTEM FOR MIXING A THERAPEUTIC AGENT IN AN INJECTOR OR AUTOINJECTOR**
[54] **SYSTEME DE MELANGE ET DE DISTRIBUTION DYNAMIQUE POUR MELANGER UN AGENT THERAPEUTIQUE DANS UN INJECTEUR OU UN AUTO-INJECTEUR**
[72] CHAGNON, JEFFREY THOMAS, US
[72] STANDLEY, ADAM R., US
[72] DUSTERHOFT, ZACHERY JOHN, US
[72] BUCHINE, BRENT A., US
[71] WINDGAP MEDICAL, INC., US
[85] 2022-12-05
[86] 2021-06-01 (PCT/US2021/035318)
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[30] US (63/032,311) 2020-05-29

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[72] NIKITENKO, SERGEI SERGEEVICH, RU
[72] TSIRKULEV, MIKHAIL VALEREVICH, RU
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[72] LEVITSKY, HYAM, US
[71] PROKARIUM LIMITED, GB
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[54] **AGONISTE PARTIEL DU RECEPTEUR V1A ET PROCEDE D'UTILISATION**
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[72] YAO, YAO, US
[72] CASTILLO, GERARDO M., US
[72] NISHIMOTO-ASHFIELD, AKIKO, US
[72] VENTOCILLA, CHRISTIAN, US
[72] BOLOTIN, ELIJAH, US
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[71] BAE SYSTEMS PLC, GB
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[54] **SYSTEM AND METHOD OF CALIBRATING SENSING INSTRUMENTS**
[54] **SYSTEME ET PROCEDE D'ETALONNAGE D'INSTRUMENTS DE DETECTION**
[72] COOPER, ANDREW, CA
[72] JOHNSON, JOANNE, CA
[72] PICHETTE, STEPHANIE, CA
[72] SPRULES, RODNEY, CA
[72] TOUPIN, CURTIS, CA
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[54] **INHIBITORS OF CBL AUTOINHIBITION AND RELATED METHODS**
[54] **INHIBITEURS DE L'AUTO-INHIBITION DE CBL ET PROCEDES ASSOCIES**
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[72] WYBENGA-GROOT. LEANNE, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
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[54] **DISPOSITIF D'ADMINISTRATION DE DOSE A ENGRENAGE**
[72] MOLLER, CLAUS SCHMIDT, DK
[71] SHAILY (UK) LTD, GB
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[54] **SYSTEM FOR MONITORING FLOWS OF PEOPLE WITHIN A PREDETERMINED AREA**
[54] **SYSTEME DE SURVEILLANCE DE FLUX DE PERSONNES DANS UNE ZONE PREDETERMINEE**
[72] COLETTI, GABRIELE, IT
[72] GIUNTI, MARCO, IT
[72] MERLINI, MARCO, IT
[72] MUSUMECI, MARCO, IT
[72] NESI, DAVIDE, IT
[72] PALAI, FEDERICO, IT
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[54] **STRUCTURE DE CHASSIS EN RESEAU**
[72] BOHAN, STEPHEN, GB
[71] OCADO INNOVATION LIMITED, GB
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[54] **BOITIER DE PROTECTION THERMIQUE**
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[72] HOLTHOF, MICHIEL, BE
[72] DE BRUYNE, LORE, BE
[72] DE NIJS, ISABELLE, BE
[71] ETHERNA IMMUNOTHERAPIES NV, BE
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[54] **PROCEDE DE TRANSMISSION DE PPDU ET APPAREIL ASSOCIE**
[72] YU, JIAN, CN
[72] TSODIK, GENADIY, CN
[72] SHILO, SHIMON, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **RESISTANCE DES PLANTS DE TOMATE - SOLANUM LYCOPERSICUM - AU TOBRFV**
[72] FONTANET, LILIAN, FR
[72] SKONECZKA, JEFF, US
[72] LIONNETON, ERIC, FR
[72] LEDERER, JULIE, FR
[71] VILMORIN & CIE, FR
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[54] **TRAITEMENT DE LA CYSTINOSE**
[72] WALL, G. MICHAEL, US
[72] CAIRNS, DONALD, GB
[72] HECTOR, EMMA, GB
[71] NACUITY PHARMACEUTICALS, INC., US
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[54] **METHOD AND APPARATUS FOR TRANSMITTING/RECEIVING PHYSICAL LAYER PROTOCOL DATA UNIT**
[54] **PROCEDE ET APPAREIL POUR EMETTRE/RECEVOIR UNE UNITE DE DONNEES DE PROTOCOLE DE COUCHE PHYSIQUE**
[72] LIANG, DANDAN, CN
[72] GAN, MING, CN
[72] YANG, YANG, CN
[72] LEI, XIANFU, CN
[72] LIU, CHENCHEN, CN
[72] ZHOU, ZHENGCHUN, CN
[72] LIN, WEI, CN
[72] TANG, XIAOHU, CN
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[54] **INHIBITEURS DE CYSTEINE PROTEASES ET LEURS PROCEDES D'UTILISATION**
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[72] JENNINGS, ANDY, US
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[71] PARDES BIOSCIENCES, INC., US
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[54] **OUTIL DE PONCAGE**
[72] XU, ZHONGQUAN, CN
[72] SHI, LINGJIAN, CN
[72] LIU, TIANLIANG, CN
[72] FU, MINGTAN, CN
[72] ZHANG, LISONG, CN
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[54] **METHODE DE DETERMINATION DU RISQUE DE NAISSANCE PREMATUREE**
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[72] SINGH, RIPUDAMAN, DK
[72] JENSEN, PALLE SCHELDE, DK
[72] CHRISTENSEN, INGA BAASCH, DK
[72] HATT, LOTTE, DK
[72] RAVN, KATARINA KIILERICH, DK
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[71] ARCEDI BIOTECH APS, DK
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[54] **PROCEDE DE FOURNITURE D'UN FLUX D'ALIMENTATION HOMOGENE A L'INTERIEUR D'UN REACTEUR EN ECOULEMENT PISTON**
[72] BROWN, MATTHEW ROBERT, US
[72] GODFREY, SCOTT A., US
[72] KWONG, AARON THOMAS, US
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
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[54] **LOG MARKING DEVICE WITH A SETTING UNIT FOR THE STRIKING HEAD**
[54] **DISPOSITIF DE MARQUAGE DE RONDIN AVEC UNE UNITE DE REGLAGE POUR LA TETE DE FRAPPE**
[72] SORVIK, BENGT, SE
[71] SORVIK, BENGT, SE
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[25] EN
[54] **CAMPTOTHECIN DRUG HAVING HIGH-STABILITY HYDROPHILIC CONNECTING UNIT AND CONJUGATE THEREOF**
[54] **MEDICAMENT A BASE DE CAMPTOTHECINE AYANT UNE UNITE DE LIAISON HYDROPHILE A STABILITE ELEVEE ET CONJUGUE DE CELUI-CI**
[72] ZHU, YI, CN
[72] WAN, WEILI, CN
[72] ZHUO, SHI, CN
[72] ZHANG, YONG, CN
[72] ZHANG, YIYING, CN
[72] YU, TIANZI, CN
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[54] **NOZZLE FOR DISPENSING CONCRETE, MORTAR OR THE LIKE**
[54] **BUSE POUR DISTRIBUER DU BETON, DU MORTIER OU SIMILAIRE**
[72] KAMPITSCH, KLAUS, AT
[72] KAMPITSCH, DAVID, AT
[71] MAI INTERNATIONAL GMBH, AT
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[54] **SYSTEME LIDAR A COMMANDE GROSSIERE D'ANGLE**
[72] HOHMANN, PETER, DE
[72] SCHNARRENBERGER, MARTIN, DE
[71] LEDDARTECH INC., CA
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[54] **IMPRESSION LASER SUR SURFACES INCURVEES**
[72] LEHMANN, UDO, DE
[72] LOBERMANN, FLORIAN, DE
[72] WALTER, FRANK, DE
[71] HELIOSONIC GMBH, DE
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[25] EN
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[54] **LANCE DE SOUFFLAGE POUR LE SOUFFLAGE DE GAZ, SON UTILISATION ET SON PROCEDE DE PRODUCTION**
[72] HAMMES, KAI, DE
[72] HOLLRICHER, DANIEL, DE
[71] IMERTECH SAS, FR
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[86] 2021-06-08 (PCT/EP2021/065349)
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[54] **SYSTEME ET PROCEDE DE TRANSPORT DE BAGAGES**
[72] PALDAVICIUS, DOVYDAS, DK
[72] BARGUM, JONAS RIDDERSHOLM, DK
[71] BBHS A/S, DK
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[54] **A HYDROALCOHOLIC GEL AND A METHOD OF MANUFACTURING SAID GEL**
[54] **GEL HYDROALCOOLIQUE ET PROCEDE DE FABRICATION DUDIT GEL**
[72] FIORE, SIMONA, GB
[72] BATES, OLIVER, GB
[71] VIRAMAL LIMITED, GB
[85] 2022-12-06
[86] 2021-06-11 (PCT/EP2021/065773)
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[54] **FOLDED 3D SHAPED PACKAGING PRODUCT FROM AN AIR-LAID BLANK**
[54] **PRODUIT D'EMBALLAGE TRIDIMENSIONNEL PLIE A PARTIR D'UNE EBAUCHE FORMEE PAR VOIE PNEUMATIQUE**
[72] TORNBLOM, MARIA, SE
[72] MALMQVIST, MARTIN, SE
[71] STORA ENSO OYJ, FI
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[30] SE (2050874-3) 2020-07-09
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[25] EN
[54] **A METHOD TO ENABLE RECYCLING OF POLYESTER WASTE MATERIAL AND A SYSTEM FOR APPLYING THE METHOD**
[54] **PROCEDE POUR PERMETTRE LE RECYCLAGE DE DECHETS DE POLYESTER ET SYSTEME POUR L'APPLICATION DU PROCEDE**
[72] BRONS, MARCO, NL
[72] RUESINK, MARKUS ANTON, NL
[72] KUNST, JOHAN ALBERT FRANS, NL
[72] HOFFARD, JOHANNES GERHARDUS NIELS, NL
[72] VAN HET GOOR, LAYO, NL
[72] DE LANGE, MIKE, NL
[72] SCHMIDT, BRAM WOLFGANG, NL
[72] JAGER, JAN, NL
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[54] **PROTEINE SUCREE A PARTIR DE TRUFFE**
[72] NADAL, MARINA, US
[72] CLARK, ANTHONY J., US
[72] GUO, ZHEYUAN, US
[72] GRAVINA, STEPHEN A., US
[72] WESTGATE, ANTHONY, US
[72] ALKOTAINI, BASSAM, US
[72] HAN, ASHLEY, US
[72] SHARKEY, BRENDAN, US
[72] STRASSBURGER, EVAN, US
[72] MEILEN, JOSEPH, US
[72] CHANG, HYUNG, US
[72] HAHN, ALAN D., US
[71] MYCOTECHNOLOGY, INC., US
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[25] EN
[54] **COMBINATION OF A METHIONINE AMINOPEPTIDASE 2 INHIBITOR AND VEGFR/VEGF INHIBITOR**
[54] **COMBINAISON D'UN INHIBITEUR DE LA METHIONINE AMINOPEPTIDASE 2 ET D'UN INHIBITEUR DE VEGFR/VEGF**
[72] FRIESE-HAMIM, MANJA, DE
[72] ROHDICH, FELIX, DE
[72] GIMMI, CLAUDE, DE
[72] SCHULTES, CHRISTOPH, GR
[72] BOGATYROVA, OLGA, DE
[71] MERCK PATENT GMBH, DE
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[25] EN
[54] **RESOURCE SCHEDULING SYSTEM FOR A WIRELESS COMMUNICATION NETWORK**
[54] **SYSTEME DE PLANIFICATION DE RESSOURCES POUR UN RESEAU DE COMMUNICATION SANS FIL**
[72] PIRSKANEN, JUHO, FI
[72] KASEVA, VILLE, FI
[71] WIREPAS OY, FI
[85] 2022-12-06
[86] 2021-06-08 (PCT/FI2021/050424)
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[25] EN
[54] **SWITCHABLE WATER-SAVING VALVE**
[54] **VANNE D'ECONOMIE D'EAU COMMUTABLE**
[72] KAO, CHIH-HUNG, TW
[72] HSIAO, CHIN-YUAN, TW
[71] NEOPERL AG, CH
[85] 2022-12-06
[86] 2021-01-15 (PCT/IB2021/050289)
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[25] EN
[54] **OPTICAL DEVICE FOR INTRAOCULAR MEASUREMENTS**
[54] **DISPOSITIF OPTIQUE POUR MESURES INTRAOCULAIRES**
[72] ARIELI, YOEL, IL
[72] GILBOA, SHAY, IL
[72] FRENKEL, BORIS, IL
[72] BARKANA, YANIV, IL
[71] I-OPTSENS LTD., IL
[85] 2022-12-06
[86] 2021-06-13 (PCT/IB2021/055196)
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[30] US (63/038,834) 2020-06-14
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[25] EN
[54] **4-OXO-3,4-DIHYDROQUINAZOLINON COMPOUNDS FOR THE TREATMENT OF BRAF-ASSOCIATED DISEASES AND DISORDERS**
[54] **COMPOSES DE 4-OXO-3,4-DIHYDROQUINAZOLINONE POUR LE TRAITEMENT DE MALADIES ET D'AFFECTIONS ASSOCIEES A BRAF**
[72] BETTENDORF, TANNA MARIE, US
[72] DOERNER BARBOUR, PATRICK MICHAEL, US
[72] KAHN, DEAN RUSSELL, US
[72] KELLUM, ALEX ANDREW, US
[72] LAIRD, ELLEN RUTH, US
[72] MORENO, DAVID AUSTIN, US
[72] REN, LI, US
[71] ARRAY BIOPHARMA INC., US
[85] 2022-12-06
[86] 2021-06-04 (PCT/IB2021/054919)
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[30] US (63/036,522) 2020-06-09
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[25] EN
[54] **CONSTRAINING BAROMETRIC PRESSURE SENSOR CALIBRATION WITH SPORADIC DATA COLLECTION**
[54] **RESTRICTION D'ETALONNAGE DE CAPTEUR DE PRESSION BAROMETRIQUE AVEC COLLECTE DE DONNEES SPORADIQUES**
[72] DORMODY, MICHAEL, US
[72] HAN, GUIYUAN, US
[72] NAGARAJAN, BADRINATH, US
[72] RAGHUPATHY, ARUN, US
[71] NEXTNAV, LLC, US
[85] 2022-12-06
[86] 2021-06-04 (PCT/IB2021/054933)
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[25] EN
[54] **SPIRO COMPOUNDS AS MELANOCORTIN 4 RECEPTOR ANTAGONISTS AND USES THEREOF**
[54] **COMPOSES SPIRO EN TANT QU'ANTAGONISTES DU RECEPTEUR DE LA MELANOCORTINE 4 ET LEURS UTILISATIONS**
[72] BUTLER, CHRISTOPHER RYAN, US
[72] GARNSEY, MICHELLE RENEE, US
[72] OGILVIE, KEVIN ALEXANDER, US
[72] POLIVKOVA, JANA, US
[72] SAMMONS, MATTHEW FORREST, US
[72] SMITH, AARON CHRISTOPHER, US
[72] YANG, QINGYI, US
[71] PFIZER INC., US
[85] 2022-12-06
[86] 2021-06-07 (PCT/IB2021/054970)
[87] (WO2021/250541)
[30] US (63/036,798) 2020-06-09
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[51] **Int.Cl. D21H 11/18 (2006.01) B82Y 30/00 (2011.01) C08J 5/18 (2006.01) D21F 3/02 (2006.01)**
[25] EN
[54] **A METHOD FOR DEWATERING A WEB COMPRISING MICROFIBRILLATED CELLULOSE AND A FILM PRODUCED FROM THE DEWATERED WEB**
[54] **PROCEDE DE DESHYDRATATION D'UNE BANDE COMPRENANT DE LA CELLULOSE MICROFIBRILLEE ET FILM PRODUIT A PARTIR DE LA BANDE DESHYDRATEE.**
[72] HEISKANEN, ISTO, FI
[72] BACKFOLK, KAJ, FI
[72] KANKKUNEN, JUKKA, FI
[72] KAUPPI, ANNA, FI
[72] HJERPE, MIKAEL, SE
[72] KORVENNIEMI, JUHA, FI
[71] STORA ENSO OYJ, FI
[85] 2022-12-06
[86] 2021-06-24 (PCT/IB2021/055592)
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[30] SE (2050770-3) 2020-06-26

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[25] EN
[54] **3D SHAPED PACKAGING PRODUCT FROM AN AIR-LAID BLANK**
[54] **PRODUIT D'EMBALLAGE DE FORME 3D A PARTIR D'UNE DECOUPE DE FEUILLE FORMEE PAR VOIE PNEUMATIQUE**
[72] TORNBLOM, MARIA, SE
[72] MALMQVIST, MARTIN, SE
[71] STORA ENSO OYJ, FI
[85] 2022-12-06
[86] 2021-07-08 (PCT/IB2021/056120)
[87] (WO2022/009129)
[30] SE (2050876-8) 2020-07-09
[30] SE (2050888-3) 2020-07-14

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[51] **Int.Cl. B65B 5/06 (2006.01) B65B 5/10 (2006.01) B65B 29/02 (2006.01) B65B 35/24 (2006.01) B65B 35/36 (2006.01) B65B 35/38 (2006.01) B65B 57/06 (2006.01) B65B 57/14 (2006.01)**
[25] EN
[54] **PACKAGING PROCESS, PACKAGING APPARATUS AND RELATED CONTROL SYSTEM**
[54] **PROCEDE D'EMBALLAGE, APPAREIL D'EMBALLAGE ET SYSTEME DE COMMANDE ASSOCIE**
[72] CARBONI, SALVATORE, IT
[72] VITALI, ANTONIO, IT
[71] G.D S.P.A., IT
[85] 2022-11-15
[86] 2021-07-05 (PCT/IB2021/056004)
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[30] IT (102020000016690) 2020-07-09

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[51] **Int.Cl. A63F 9/06 (2006.01)**
[25] EN
[54] **PUZZLE**
[54] **PUZZLE**
[72] FOUTS, PHILIP J., US
[72] RIGBY, THOMAS CREASON, US
[72] RICHINS, SARA HALL, US
[72] LAWLESS, STEPHEN BLAISE, US
[71] LOVEVERY, INC., US
[85] 2022-12-06
[86] 2020-06-08 (PCT/US2020/036687)
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[51] **Int.Cl. A61K 8/92 (2006.01) A61K 35/747 (2015.01) A61K 8/99 (2017.01) A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 47/44 (2017.01) A61P 17/00 (2006.01) A61Q 19/00 (2006.01) B65D 81/26 (2006.01)**
[25] EN
[54] **PROBIOTIC COMPOSITION FOR TOPICAL USE**
[54] **COMPOSITION PROBIOTIQUE POUR UTILISATION TOPIQUE**
[72] LUNDQVIST, CHRISTOFFER, SE
[72] BUTLER, EILE, IE
[72] FAIJERSON SALJO, JONAS, SE
[71] BIOGAIA AB, SE
[85] 2022-12-05
[86] 2021-06-30 (PCT/EP2021/068084)
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[25] EN
[54] **CHILD PLAY PUZZLE**
[54] **PUZZLE DE JEU POUR ENFANT**
[72] FOUTS, PHILIP J., US
[72] RIGBY, THOMAS CREASON, US
[72] RICHINS, SARA HALL, US
[71] LOVEVERY, INC., US
[85] 2022-12-06
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[51] **Int.Cl. A61K 38/16 (2006.01) A61P 31/22 (2006.01) A61P 37/04 (2006.01) C07K 14/045 (2006.01) C07K 19/00 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/38 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **FUSION PROTEIN OF PENTAMER AND GB OF CYTOMEGALOVIRUS, AND VACCINE CONTAINING SAID FUSION PROTEIN**
[54] **PROTEINE DE FUSION DE PENTAMERE ET GB DE CYTOMEGALOVIRUS, ET VACCIN CONTENANT LADITE PROTEINE DE FUSION**
[72] TORIKAI, MASAHARU, JP
[72] MORI, HIROAKI, JP
[72] HAZEYAMA, KOHSUKE, JP
[72] MATSUMOTO, MIYUKI, JP
[71] KM BIOLOGICS CO., LTD., JP
[85] 2022-12-06
[86] 2021-06-08 (PCT/JP2021/021752)
[87] (WO2021/251384)
[30] JP (2020-100100) 2020-06-09

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[51] **Int.Cl. A47J 31/20 (2006.01) A47G 19/14 (2006.01) A47G 19/16 (2006.01) A47J 31/18 (2006.01) A47J 31/38 (2006.01)**
[25] EN
[54] **COFFEE MAKING SYSTEM**
[54] **SYSTEME DE PREPARATION DE CAFE**
[72] MORSE, JENNIFER VELASQUEZ, US
[71] MADE SIMPLI LLC, US
[71] MORSE, JENNIFER VELASQUEZ, US
[85] 2022-12-06
[86] 2021-06-07 (PCT/US2021/036260)
[87] (WO2021/252399)
[30] US (63/102,284) 2020-06-08

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/473 (2006.01) A61K 47/10 (2017.01) A61K 47/38 (2006.01) A61P 25/14 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **OSMOTIC DOSAGE FORMS COMPRISING DEUTETRABENAZINE AND METHODS OF USE THEREOF**
[54] **FORMES POSOLOGIQUES OSMOTIQUES COMPRENANT DE LA DEUTETRABENAZINE ET LEURS PROCEDES D'UTILISATION**
[72] SHAH, PARAG, US
[72] JOSHI, MAYANK, US
[72] PATTANAYEK, SOUMEN, US
[72] PATEL, DIVYANG, US
[72] PANDITA, SANDEEP, US
[71] AUSPEX PHARMACEUTICALS, INC., US
[85] 2022-12-06
[86] 2021-06-10 (PCT/US2021/036778)
[87] (WO2021/252741)
[30] US (63/037,369) 2020-06-10
[30] US (63/037,953) 2020-06-11
[30] US (63/044,451) 2020-06-26

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[51] **Int.Cl. B67D 3/04 (2006.01)**
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[54] **TAP ASSEMBLY**
[54] **ENSEMBLE ROBINET**
[72] KOO, YEONG-HENG, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2022-12-06
[86] 2021-06-11 (PCT/US2021/036922)
[87] (WO2021/252834)
[30] US (63/037,947) 2020-06-11
[30] US (17/344,554) 2021-06-10

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[25] EN
[54] **SYSTEMS, DEVICES, COMPOSITIONS AND METHODS FOR TREATING DIABETES**
[54] **SYSTEMES, DISPOSITIFS, COMPOSITIONS, ET METHODES DE TRAITEMENT DU DIABETE**
[72] MAGGS, DAVID, US
[72] CHERRINGTON, ALAN, US
[72] GHOSH, SOUMITRA S., US
[72] RHODES, CHRISTOPHER A., US
[72] LIN, JUI-CHEN, US
[72] FLAHERTY, R. MAXWELL, US
[72] FLAHERTY, J. CHRISTOPHER, US
[71] ABVANCE THERAPEUTICS INC., US
[85] 2022-12-06
[86] 2021-06-11 (PCT/US2021/036937)
[87] (WO2021/252844)
[30] US (63/037,637) 2020-06-11

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[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PAYMENT AUTHENTICATION**
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION DE PAIEMENT**
[72] JOHNSON, CLAYTON, US
[72] SCOTT, ESTHER, US
[72] WIEKER, JEFFREY, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-12-06
[86] 2021-06-11 (PCT/US2021/036950)
[87] (WO2021/252855)
[30] US (16/900,118) 2020-06-12

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[51] **Int.Cl. H02J 50/10 (2016.01) H02J 50/40 (2016.01) H02J 50/90 (2016.01) H01F 38/14 (2006.01)**
[25] EN
[54] **RECEPTACLE INDUCTIVE CHARGING DEVICES**
[54] **DISPOSITIFS DE CHARGE PAR INDUCTION A RECEPTACLE**
[72] DEBARTOLO, JOSEPH, US
[72] SCANZILLO, THOMAS, US
[72] FLAGELLO, VICTOR, US
[72] PADRO, KENNY, US
[72] BROWER, JOHN, US
[72] LI, JIAN HUA, US
[72] WURMS, SCOTT, US
[72] ROCK, BRIAN, US
[71] HUBBELL INCORPORATED, US
[85] 2022-12-06
[86] 2021-06-11 (PCT/US2021/036965)
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[30] US (63/037,870) 2020-06-11

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[51] **Int.Cl. A61K 31/4523 (2006.01) A61K 31/454 (2006.01) A61P 25/18 (2006.01) C07D 405/14 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **ARYLSULFONYL DERIVATIVES AND THEIR USE AS MUSCARINIC ACETYLCHOLINE RECEPTOR M5 INHIBITORS**
[54] **DERIVES D'ARYLSULFONYL ET LEUR UTILISATION EN TANT QU'INHIBITEURS DU RECEPTEUR M5 DE L'ACETYLCHOLINE MUSCARINIQUE**
[72] FELTS, ANDREW S., US
[72] HAN, CHANGHO, US
[72] CAPSTICK, RORY A., US
[72] ORSI, DOUGLAS L., US
[72] WHOMBLE, DAVID L., US
[72] LINDSLEY, CRAIG W., US
[72] CONN, P. JEFFREY, US
[71] VANDERBILT UNIVERSITY, US
[85] 2022-12-06
[86] 2021-06-18 (PCT/US2021/038067)
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[30] US (63/041,477) 2020-06-19

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[51] **Int.Cl. A61B 5/01 (2006.01) A61B 5/02 (2006.01) A61B 5/03 (2006.01) A61B 5/145 (2006.01) A61B 5/1477 (2006.01) A61B 5/1491 (2006.01) A61B 5/1495 (2006.01)**
[25] EN
[54] **WIRELESS, NON-INVASIVE, CONTINUOUS MONITORING OF CEREBROSPINAL FLUID FLOW THROUGH SHUNTS**
[54] **SURVEILLANCE CONTINUE SANS FIL NON INVASIVE DE L'ECOULEMENT DE LIQUIDE CEPHALORACHIDIEN A TRAVERS DES SHUNTS**
[72] KRISHNAN, SIDDHARTH, US
[72] ZYSK, ADAM, US
[72] AYER, AMIT, US
[72] SOMERA, ANNA LISA, US
[72] HASSE, MICHELLE, US
[71] RHAEOS, INC., US
[85] 2022-12-06
[86] 2021-06-24 (PCT/US2021/038850)
[87] (WO2021/262949)
[30] US (63/043,720) 2020-06-24

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[51] **Int.Cl. A61M 25/06 (2006.01) A61M 5/178 (2006.01) A61M 25/00 (2006.01) A61M 25/01 (2006.01) A61M 25/09 (2006.01)**
[25] EN
[54] **RAPIDLY INSERTABLE CENTRAL CATHETERS INCLUDING CATHETER ASSEMBLIES AND METHODS THEREOF**
[54] **CATHETERS CENTRAUX A INSERTION RAPIDE COMPRENANT DES ENSEMBLES DE CATHETERS ET METHODES ASSOCIEES**
[72] HOWELL, GLADE H., US
[72] STATS, JASON R., US
[71] BARD ACCESS SYSTEMS, INC., US
[85] 2022-12-06
[86] 2021-06-25 (PCT/US2021/039084)
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[30] US (63/045,649) 2020-06-29

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[51] **Int.Cl. B60L 53/30 (2019.01) B60L 53/00 (2019.01) B60L 53/14 (2019.01) B60L 53/18 (2019.01) B60L 53/50 (2019.01) H02B 1/01 (2006.01) H02B 1/015 (2006.01) H02B 1/26 (2006.01) H02B 7/00 (2006.01) H02B 7/06 (2006.01) H02J 7/00 (2006.01) H05K 5/00 (2006.01) H05K 5/03 (2006.01)**
[25] EN
[54] **ELECTRICAL CHARGING STRUCTURE**
[54] **STRUCTURE DE CHARGE ELECTRIQUE**
[72] MCNAMEE, DOUGLAS, AU
[71] JOLT CHARGE PTY LTD., AU
[85] 2022-12-07
[86] 2021-06-10 (PCT/AU2021/050594)
[87] (WO2021/248199)
[30] AU (2020901948) 2020-06-12

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[13] A1
[51] **Int.Cl. A61M 25/06 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **RAPIDLY INSERTABLE CENTRAL CATHETERS INCLUDING ASSEMBLIES**
[54] **CATHETERS CENTRAUX A INSERTION RAPIDE COMPRENANT DES ENSEMBLES ET PROCEDES ASSOCIES**
[72] HOWELL, GLADE H., US
[71] BARD ACCESS SYSTEMS, INC., US
[85] 2022-12-06
[86] 2021-06-28 (PCT/US2021/039394)
[87] (WO2022/005983)
[30] US (63/045,599) 2020-06-29

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[25] EN
[54] **METHODS FOR TREATING CONGENITAL EPIDERMAL HYPERPLASIA**
[54] **METHODES DE TRAITEMENT DE L'HYPERPLASIE EPIDERMIQUE CONGENITALE**
[72] BRICHTA, LARS, US
[71] CHEMISTRY RX, US
[85] 2022-04-22
[86] 2020-10-22 (PCT/US2020/070683)
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[30] US (62/924,202) 2019-10-22

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[54] **TWO-PIECE CATHETERS AND METHODS THEREOF**
[54] **CATHETERS EN DEUX PARTIES ET METHODES ASSOCIEES**
[72] HOWELL, GLADE H., US
[72] STATS, JASON R., US
[71] BARD ACCESS SYSTEMS, INC., US
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[86] 2021-06-28 (PCT/US2021/039398)
[87] (WO2022/005986)
[30] US (63/045,613) 2020-06-29

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[51] **Int.Cl. A61M 25/00 (2006.01)**
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[54] **RAPIDLY INSERTABLE CENTRAL CATHETERS AND METHODS THEREOF**
[54] **CATHETERS CENTRAUX A INSERTION RAPIDE ET PROCEDES DE FABRICATION ASSOCIES**
[72] HOWELL, GLADE H., US
[71] BARD ACCESS SYSTEMS, INC., US
[85] 2022-12-06
[86] 2021-06-30 (PCT/US2021/039843)
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[51] **Int.Cl. D06F 89/02 (2006.01) A41H 43/02 (2006.01) B25J 11/00 (2006.01) B65B 63/04 (2006.01)**
[25] EN
[54] **AUTONOMOUS LAUNDRY FOLDING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE PLIAGE DE LINGE AUTONOME**
[72] SCHECHTER, STUART E., US
[72] BIXBY, BENJAMIN D., US
[72] LEBLANC, KEVIN M., US
[72] MEFFORD, WILSON J., US
[72] PENNINGTON, ELLIOT SINCLAIR, US
[72] SCHWARTZ, LAURA E., US
[72] SIELAFF, JESSE, US
[72] HICKMAN, MADELINE R., US
[72] ITHIER, CARTER J., US
[72] DUFFLEY, SAMUEL, US
[71] MONOTONY.AI, INC., US
[85] 2022-12-06
[86] 2021-06-30 (PCT/US2021/039985)
[87] (WO2022/006334)
[30] US (63/046,697) 2020-07-01
[30] US (63/106,891) 2020-10-29
[30] US (63/168,540) 2021-03-31
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[51] **Int.Cl. H04N 21/2347 (2011.01) H04N 21/235 (2011.01) H04N 21/258 (2011.01) H04N 21/4405 (2011.01) H04N 21/61 (2011.01) H04N 21/6334 (2011.01)**
[25] EN
[54] **DISTRIBUTED DIGITAL CINEMA PACKAGE (DCP) OVER INTERNET**
[54] **DISTRIBUTION D'OFFRE GROUPEE DE CINEMA NUMERIQUE (DCP) SUR INTERNET**
[72] AKKARAJU, PREM, US
[71] SR LABS, INC., US
[85] 2022-12-06
[86] 2021-08-31 (PCT/US2021/048508)
[87] (WO2022/047408)
[30] US (17/008,134) 2020-08-31

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[51] **Int.Cl. G01N 33/564 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DIAGNOSING PRIMARY BILIARY CIRRHOSIS**
[54] **COMPOSITIONS ET METHODES POUR DIAGNOSTIQUER UNE CIRRHOSE BILIAIRE PRIMITIVE**
[72] NORMAN, GARY L., US
[72] MAHLER, MICHAEL, US
[71] INOVA DIAGNOSTICS, INC., US
[85] 2022-12-06
[86] 2022-01-07 (PCT/US2022/011529)
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[30] US (63/135,469) 2021-01-08

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[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTINUOUS GAS ADSORBATE CAPTURE USING ADSORPTION/REGENERATION CYCLE**
[54] **SYSTEME ET PROCEDE DE CAPTURE D'ADSORBAT GAZEUX EN CONTINU A L'AIDE DE CYCLE D'ADSORPTION/DE REGENERATION**
[72] BROUILLETTE, MARTIN, CA
[72] VEZINA, GABRIEL, CA
[72] CAMIRE, ALEXANDRE, CA
[71] SOCPRA SCIENCES ET GENIE S.E.C., CA
[85] 2022-12-07
[86] 2021-06-25 (PCT/CA2021/050879)
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[51] **Int.Cl. C12N 15/115 (2010.01) C07H 19/073 (2006.01) C07H 21/00 (2006.01) C07H 21/04 (2006.01) C40B 40/06 (2006.01) C40B 50/14 (2006.01)**
[25] EN
[54] **DNA-ENCODED FUNCTIONALIZED APTAMERS**
[54] **APTAMERES FONCTIONNALISES CODES PAR ADN**
[72] SLEIMAN, HANADI, CA
[72] LACROIX DE VIMEUR DE ROCHAMBEAU, DONATIEN PHILIPPE MARIE, CA
[72] MCKEAGUE, MAUREEN, CA
[72] HIRKA, SERHII, CA
[72] SALIBA, DANIEL, CA
[72] ANDERSON, SHAUN IAN, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING / MCGILL UNIVERSITY, CA
[85] 2022-12-07
[86] 2021-06-30 (PCT/CA2021/050899)
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[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/498 (2006.01) A61K 31/505 (2006.01) A61K 31/675 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **ALKENYL PYRIMIDINE COMPOUND, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF**
[54] **COMPOSE D'ALCENYLE PYRIMIDINE, PROCEDE DE PREPARATION ASSOCIE ET SON APPLICATION**
[72] DENG, XIANMING, CN
[72] HUANG, WEI, CN
[72] WU, ZHENHUA, CN
[72] WU, YACHUANG, CN
[72] YUN, CAIHONG, CN
[72] ZHANG, JIANMING, CN
[72] HUANG, XIN, CN
[71] HONGYUN BIOTECH CO., LTD., CN
[85] 2022-12-07
[86] 2021-06-07 (PCT/CN2021/098539)
[87] (WO2021/249324)
[30] CN (202010510345.7) 2020-06-08
[30] CN (202110590788.6) 2021-05-28

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[51] **Int.Cl. E21B 34/06 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **SLIDING SLEEVE DEVICE**
[54] **DISPOSITIF A MANCHON COULISSANT**
[72] HOU, ZHIMIN, CN
[72] HU, DAN, CN
[72] WANG, QIANG, CN
[72] ZHOU, YIJUN, CN
[72] QIAN, JIANG, CN
[72] CHEN, CHEN, CN
[72] LIU, TAO, CN
[72] CI, JIANFA, CN
[72] PANG, WENFENG, CN
[72] TENG, WENJIANG, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC SOUTHWEST OIL & GAS COMPANY, CN
[85] 2022-12-07
[86] 2021-06-10 (PCT/CN2021/099471)
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[30] CN (202010534864.7) 2020-06-12
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[51] **Int.Cl. E21B 43/26 (2006.01)**
[25] EN
[54] **WELLBORE STAGED OPERATION METHOD AND RUBBER PLUG FOR SAID METHOD**
[54] **PROCEDE D'OPERATION SEGMENTEE DE PUITS DE FORAGE ET BOUCHON EN CAOUTCHOUC POUR LEDIT PROCEDE**
[72] LEI, WEI, CN
[72] HOU, ZHIMIN, CN
[72] DONG, HAIFENG, CN
[72] YAN, YANCHENG, CN
[72] LAN, LIN, CN
[72] WANG, XINGWEN, CN
[72] WANG, XIAOGANG, CN
[72] QIAO, ZHIGUO, CN
[72] FANG, ZHOU, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC SOUTHWEST OIL & GAS COMPANY, CN
[85] 2022-12-07
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[51] **Int.Cl. G01N 33/487 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OPTICAL SCANNING AND IMAGING THROUGH A FLUID MEDIUM FOR NUCLEIC ACID SEQUENCING**
[54] **SYSTEMES ET PROCEDES DE BALAYAGE OPTIQUE ET D'IMAGERIE A TRAVERS UN MILIEU FLUIDE POUR SEQUENCAGE D'ACIDE NUCLEIQUE**
[72] LUNDQUIST, PAUL, US
[72] SHAFTO, JAY, US
[72] HUANG, JOYCE, US
[72] WU, ZIYI, US
[71] MGI TECH CO., LTD., CN
[85] 2022-12-07
[86] 2021-06-24 (PCT/CN2021/101994)
[87] (WO2022/001804)
[30] US (63/045,566) 2020-06-29

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[51] **Int.Cl. A01B 39/18 (2006.01) A01B 63/22 (2006.01) A01B 73/02 (2006.01) A01B 73/04 (2006.01)**
[25] EN
[54] **SOIL-WORKING DEVICE FOR ROW CROPS**
[54] **DISPOSITIF DE TRAVAIL DU SOL POUR CULTURES EN RANGEES**
[72] DIETRICH, ROBERT, DE
[72] MAHLER, TOM, DE
[72] SCHWOPE, REINHARD, DE
[72] RESCH, RAINER, DE
[71] AMAZONEN-WERKE H. DREYER SE & CO. KG, DE
[85] 2022-12-07
[86] 2021-05-25 (PCT/EP2021/063793)
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[51] **Int.Cl. B22F 3/00 (2021.01) B23K 26/211 (2014.01) B23K 26/342 (2014.01) B22F 10/00 (2021.01) B22F 12/00 (2021.01) B22F 3/105 (2006.01) B23K 10/02 (2006.01) B23K 26/03 (2006.01) B23K 35/02 (2006.01)**
[25] EN
[54] **METHOD FOR WELDING USING A WIRE-SHAPED FILLER AND AT LEAST ONE LASER BEAM**
[54] **PROCEDE POUR SOUDER AU MOYEN D'UN METAL D'APPORT SOUS FORME DE FIL ET D'AU MOINS UN FAISCEAU LASER**
[72] SCHNICK, MICHAEL, DE
[72] BROCKE, NILS, DE
[72] SILZE, FRANK, DE
[71] KJELLBERG STIFTUNG, DE
[85] 2022-12-07
[86] 2021-06-15 (PCT/EP2021/066078)
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[30] DE (10 2020 207 573.5) 2020-06-18

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[51] **Int.Cl. B41M 5/26 (2006.01) B41M 5/34 (2006.01) G11B 7/00 (2006.01) G11B 7/005 (2006.01)**
[25] EN
[54] **METHOD FOR CREATING A COLORED LASER MARKING**
[54] **PROCEDE DE CREATION D'UN MARQUAGE AU LASER COLORE**
[72] SEIDEL, HANS-PETER, DE
[72] BABAEI, VAHID, DE
[72] CUCERCA, SEBASTIAN, DE
[72] DIDYK, PIOTR, CH
[71] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE
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[86] 2021-06-21 (PCT/EP2021/066753)
[87] (WO2021/259826)
[30] EP (20181963.8) 2020-06-24

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[51] **Int.Cl. B32B 5/16 (2006.01) C08J 9/00 (2006.01) C08L 23/12 (2006.01) C08J 9/14 (2006.01)**
[25] EN
[54] **POLYPROPYLENE COMPOSITION FOR HMS PP FOAM SHEET WITH BALANCED BENDING RESISTANCE**
[54] **COMPOSITION DE POLYPROPYLENE POUR FEUILLE EXPANSEE EN HMS PP PRESENTANT UNE RESISTANCE EQUILIBREE A LA FLEXION**
[72] TYNYS, ANTTI, AT
[72] REICHELT, NORBERT, AT
[72] LIN, YI AN, TW
[71] BOREALIS AG, AT
[85] 2022-12-07
[86] 2021-06-24 (PCT/EP2021/067321)
[87] (WO2021/260097)
[30] EP (20182505.6) 2020-06-26

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[51] **Int.Cl. B23C 5/08 (2006.01) B23C 5/12 (2006.01) F16L 59/02 (2006.01) F16L 59/14 (2006.01)**
[25] EN
[54] **THERMALLY INSULATED PIPE SYSTEM, THERMALLY INSULATING PIPE SECTION AND METHOD FOR PRODUCING A THERMALLY INSULATING PIPE SECTION**
[54] **SYSTEME DE TUYAU ISOLE THERMIQUEMENT, SECTION DE TUYAU D'ISOLATION THERMIQUE ET PROCEDE DE PRODUCTION D'UNE SECTION DE TUYAU D'ISOLATION THERMIQUE**
[72] SORENSEN, JANNIE BAKKAER, DK
[72] RAHBEK, JENS EG, DK
[71] ROCKWOOL A/S, DK
[85] 2022-12-07
[86] 2021-07-06 (PCT/EP2021/068594)
[87] (WO2022/017768)
[30] EP (20187140.7) 2020-07-22

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[13] A1
[51] **Int.Cl. H02K 1/16 (2006.01) H02K 1/26 (2006.01) H02K 15/02 (2006.01)**
[25] EN
[54] **LAMINATED CORE SEGMENT AND METHOD FOR PRODUCING SAME**
[54] **SEGMENT DE NOYAU STRATIFIE ET SON PROCEDE DE PRODUCTION**
[72] ADLFINGER, HELMUT, DE
[72] LINDMEIER, ANDREAS, DE
[72] RATZISBERGER, DOMINIK, DE
[72] JOCKEL, ANDREAS, DE
[72] SCHOBER, FRANZ XAVER MICHAEL, DE
[71] FLENDER GMBH, DE
[85] 2022-12-07
[86] 2021-07-08 (PCT/EP2021/069013)
[87] (WO2022/008664)
[30] EP (20185020.3) 2020-07-09

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/245 (2021.01)**
[25] EN
[54] **MAGNETOENCEPHALOGRAPHY APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE MAGNETOENCEPHALOGRAPHIE**
[72] NENONEN, JUKKA, FI
[72] KAJOLA, MATTI, FI
[72] TAULU, SAMU, US
[71] MEGIN OY, FI
[85] 2022-12-07
[86] 2021-06-23 (PCT/FI2021/050479)
[87] (WO2021/260272)
[30] FI (20205675) 2020-06-25

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[51] **Int.Cl. G06F 11/14 (2006.01) G06F 11/16 (2006.01)**
[25] EN
[54] **AUTOMATED DISASTER RECOVERY TEST VERIFICATION**
[54] **VERIFICATION DE TEST DE REPRISE APRES SINISTRE AUTOMATISEE**
[72] SCHNIEBEL, MICHAEL, US
[71] SUNGARD AVAILABILITY SERVICES, LP, US
[85] 2022-12-07
[86] 2021-06-03 (PCT/US2021/035582)
[87] (WO2021/252248)
[30] US (16/896,064) 2020-06-08

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[13] A1
[51] **Int.Cl. G16H 15/00 (2018.01) G16H 20/40 (2018.01) G16H 50/30 (2018.01) G16H 50/70 (2018.01) G16H 40/67 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING ANALYTICS RELATING TO PATIENTS AND MEDICAL INTERVENTIONS**
[54] **SYSTEME ET PROCEDE POUR FOURNIR DES ANALYSES CONCERNANT DES PATIENTS ET DES INTERVENTIONS MEDICALES**
[72] YOON, JANG W., US
[72] BASIL, GREGORY W., US
[72] WANG, MICHAEL Y., US
[71] KINESIOMETRICS, INC., US
[85] 2022-12-07
[86] 2021-06-08 (PCT/US2021/036457)
[87] (WO2021/252522)
[30] US (63/036,299) 2020-06-08

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[13] A1
[51] **Int.Cl. B65D 8/00 (2006.01) B65D 17/00 (2006.01) B65D 25/14 (2006.01)**
[25] EN
[54] **OXYGEN RESISTANT CANISTER**
[54] **RECIPIENT RESISTANT A L'OXYGENE**
[72] WEST, ELLERY, US
[71] WEST, ELLERY, US
[85] 2022-12-07
[86] 2021-06-08 (PCT/US2021/036459)
[87] (WO2021/252524)
[30] US (63/036,780) 2020-06-09

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[51] **Int.Cl. A01N 43/64 (2006.01) A61K 31/70 (2006.01) A61K 31/7088 (2006.01)**
[25] EN
[54] **ANTI-HUMAN NEUROTENSIN RECEPTOR 1 ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-RECEPTEUR 1 DE LA NEUROTENSINE HUMAINE ET SON UTILISATION**
[72] SHIH, CHUAN, US
[72] YUEH, ANDREW, TW
[72] WU, REN-HUANG, TW
[72] HU, HAN-SHU, TW
[72] WU, PEI-SHAN, TW
[72] YANG, ZHI-PING, TW
[72] KE, YI-YU, TW
[72] CHEN, CHIUNG-TONG, TW
[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW
[85] 2022-12-07
[86] 2021-06-09 (PCT/US2021/036540)
[87] (WO2021/252578)
[30] US (63/036,740) 2020-06-09

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[51] **Int.Cl. D04H 1/732 (2012.01) D04H 1/26 (2012.01) B32B 5/14 (2006.01) B65D 5/50 (2006.01) B65D 81/02 (2006.01) D04H 1/22 (2006.01) D04H 1/24 (2006.01) D04H 1/70 (2012.01)**
[25] EN
[54] **AN AIR-LAID BLANK, A METHOD OF PRODUCING AN AIR-LAID BLANK AND A METHOD OF PRODUCING A THREE DIMENSIONAL PRODUCT FROM SAID AIR-LAID BLANK**
[54] **EBAUCHE FORMEE PAR VOIE SECHE, PROCEDE DE PRODUCTION D'UNE EBAUCHE FORMEE PAR VOIE SECHE ET PROCEDE DE PRODUCTION D'UN PRODUIT EN TROIS DIMENSIONS A PARTIR DE LADITE EBAUCHE FORMEE PAR VOIE SECHE**
[72] MALMQVIST, MARTIN, SE
[71] STORA ENSO OYJ, FI
[85] 2022-12-07
[86] 2021-07-09 (PCT/IB2021/056175)
[87] (WO2022/043779)
[30] SE (2050974-1) 2020-08-24

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C12Q 1/6883 (2018.01) A61K 31/7088 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **TREATMENT OF OBESITY WITH G-PROTEIN COUPLED RECEPTOR 75 (GPR75) INHIBITORS**
[54] **TRAITEMENT DE L'OBESITE AU MOYEN D'INHIBITEURS DU RECEPTEUR 75 COUPLE A LA PROTEINE G (GPR75)**
[72] LOTTA, LUCA ANDREA, US
[72] FERREIRA, MANUEL ALLEN REVEZ, US
[72] BARAS, ARIS, US
[72] AKBARI, PARSA, US
[72] SOSINA, OLUKAYODE, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-12-07
[86] 2021-06-21 (PCT/US2021/038260)
[87] (WO2021/262601)
[30] US (63/042,327) 2020-06-22
[30] US (63/066,185) 2020-08-15
[30] US (63/075,858) 2020-09-09
[30] US (63/089,625) 2020-10-09
[30] US (63/104,613) 2020-10-23
[30] US (63/142,632) 2021-01-28
[30] US (63/159,017) 2021-03-10
[30] US (63/210,287) 2021-06-14
[30] US (63/211,061) 2021-06-16

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[13] A1
[51] **Int.Cl. B66F 9/22 (2006.01) B25B 5/06 (2006.01)**
[25] EN
[54] **SYNCHRONIZED HYBRID CLAMP FORCE CONTROLLER FOR LIFT TRUCK ATTACHMENT**
[54] **DISPOSITIF DE COMMANDE DE FORCE DE SERRAGE HYBRIDE SYNCHRONISEE DE DISPOSITIFS DE CHARIOT ELEVATEUR**
[72] WALTHERS, CHRISTOPHER M., US
[71] CASCADE CORPORATION, US
[85] 2022-12-07
[86] 2021-06-16 (PCT/US2021/037692)
[87] (WO2021/257740)
[30] US (63/041,014) 2020-06-18

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/12 (2006.01) A61K 39/155 (2006.01) A61K 39/17 (2006.01) A61K 39/245 (2006.01) A61K 39/255 (2006.01) A61K 39/295 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01) A61P 31/16 (2006.01) A61P 31/20 (2006.01) A61P 31/22 (2006.01)**
[25] EN
[54] **RECOMBINANT HVT VECTORS EXPRESSING INFLUENZA HEMAGGLUTININ AND IMMUNOGENIC COMPOSITIONS, AND PRODUCTION AND USES THEREOF**
[54] **VECTEURS HVT RECOMBINANTS EXPRIMANT L'HEMAGGLUTININE DE LA GRIPPE ET COMPOSITIONS IMMUNOGENES, ET LEUR FABRICATION ET LEURS UTILISATIONS**
[72] MEBATSION, TESHOME, US
[72] KASSA, AEMRO, US
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2022-12-07
[86] 2021-06-16 (PCT/US2021/037631)
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[51] **Int.Cl. C12Q 1/70 (2006.01)**
[25] EN
[54] **CRISPR-BASED SARS-COV-2 DETECTION**
[54] **DETECTION DU SARS-COV-2 BASEE SUR CRISPR**
[72] LI, XIANG, US
[72] WILSON, MARY KATHERINE, US
[72] COTICCHIA, CHRISTINE MARIE, US
[72] MANNING, BRENDAN JOHN, US
[72] BLAKE, WILLIAM JEREMY, US
[72] SELLECK FIORE, ELIZABETH MAE, US
[71] SHERLOCK BIOSCIENCES, INC., US
[85] 2022-12-07
[86] 2021-06-11 (PCT/US2021/036925)
[87] (WO2021/252836)
[30] US (63/038,715) 2020-06-12
[30] US (63/054,214) 2020-07-20
[30] US (63/056,523) 2020-07-24
[30] US (63/068,817) 2020-08-21
[30] US (63/139,268) 2021-01-19
[30] US (63/185,268) 2021-05-06

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[54] **PINNED BASE CONNECTION FOR A STRUCTURAL MEMBER**
[54] **RACCORD DE BASE A BROCHES POUR ELEMENT STRUCTURAL**
[72] PRYOR, STEVEN E., US
[71] SIMPSON STRONG-TIE COMPANY INC., US
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[51] **Int.Cl. A61B 5/08 (2006.01) G01N 1/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTION OF VOLATILE ORGANIC COMPOUNDS**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE COMPOSES ORGANIQUES VOLATILS**
[72] PRASAD, SHALINI, US
[72] FRANCE, KORDEL KADE, US
[72] BANGA, IVNEET KAUR, US
[72] PAUL, ANIRBAN, US
[71] NANOBIO DETECTION SYSTEMS LLC, US
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[30] US (63/068,809) 2020-08-21
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[54] **HETEROCYCLIC COMPOUNDS AND IMAGING AGENTS FOR IMAGING HUNTINGTIN PROTEIN**
[54] **COMPOSES HETEROCYCLIQUES ET AGENTS D'IMAGERIE POUR L'IMAGERIE DE LA PROTEINE HUNTINGTINE**
[72] LIU, LONGBIN, US
[72] LEE, MATTHEW, US
[72] DOMINGUEZ, CELIA, US
[72] JOHNSON, PETER DAVID, US
[72] GREENAWAY, CATHERINE JANE, US
[72] KHURANA, KANIKA, US
[72] MILLS, MATTHEW ROBERT, US
[72] ROTA, FILIPPO, US
[71] CHDI FOUNDATION, INC., US
[85] 2022-12-07
[86] 2021-06-10 (PCT/US2021/036830)
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[54] **MYBPC3 POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES MYBPC3 ET LEURS UTILISATIONS**
[72] PU, WILLIAM T., US
[72] LU, FUJIAN, US
[72] BEZZERIDES, VASSILIOS, US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
[85] 2022-12-07
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[25] EN
[54] **COMPOUND EMBODIMENTS FOR TREATING RETINAL DEGENERATION AND METHOD EMBODIMENTS OF MAKING AND USING THE SAME**
[54] **MODES DE REALISATION DE COMPOSE POUR LE TRAITEMENT DE LA DEGENERESCENCE RETINIENNE ET MODES DE REALISATION DE PROCEDE DE PREPARATION ET DE METHODES D'UTILISATION DE CELUI-CI**
[72] HUANG, WENWEI, US
[72] MONDAL, ANUPAM, US
[72] ZHENG, WEI, US
[72] CHEN, YU HOLLY, US
[72] SWAROOP, ANAND, US
[72] SWAROOP, MANJU, US
[72] TAWA, GREGORY, US
[72] PAPAL, SAMANTHA, US
[72] LUO, ZHIJI, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
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[25] EN
[54] **METHOD FOR OPERATING AN SOFC FOR THE COMBINED PRODUCTION OF ELECTRICITY AND NITRIC OXIDE**
[54] **PROCEDE DE FONCTIONNEMENT D'UNE SOFC POUR LA PRODUCTION COMBINEE D'ELECTRICITE ET D'OXYDE NITRIQUE**
[72] WALLER, DAVID, NO
[72] RASTEN, EGIL, NO
[72] LARRING, YNGVE, NO
[71] YARA INTERNATIONAL ASA, NO
[85] 2022-12-08
[86] 2021-07-07 (PCT/EP2021/068752)
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[54] **POLLUTION CONTROL DEVICES, METHODS, AND SYSTEMS**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES DE LUTTE CONTRE LA POLLUTION**
[72] LIVCHAK, ANDREY V., US
[72] LYONS, GREGORY A., US
[72] ARNOLD, BEN, US
[72] SANDUSKY, JIMMY, US
[72] MEREDITH, PHILIP J., US
[71] OY HALTON GROUP LTD., FI
[85] 2022-12-08
[86] 2021-06-28 (PCT/US2021/039353)
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[25] EN
[54] **ENCODING OF MULTI-CHANNEL AUDIO SIGNALS COMPRISING DOWNMIXING OF A PRIMARY AND TWO OR MORE SCALED NON-PRIMARY INPUT CHANNELS**
[54] **CODAGE DE SIGNAUX AUDIO MULTICANAUX COMPRENANT LE SOUS-MIXAGE D'UN CANAL D'ENTREE PRIMAIRE ET D'AU MOINS DEUX CANAUX D'ENTREE NON PRIMAIRES MIS A L'ECHELLE**
[72] MCGRATH, DAVID S., US
[71] DOLBY LABORATORIES LICENSING CORPORATION, US
[85] 2022-12-07
[86] 2021-06-10 (PCT/US2021/036789)
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[30] US (63/037,635) 2020-06-11
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[25] EN
[54] **IMPROVED ROBOTIC INLINE PIPE INSPECTION SYSTEM & APPARATUS**
[54] **APPAREIL ET SYSTEME D'INSPECTION DE TUYAU EN LIGNE ROBOTIQUES AMELIORES**
[72] WARKENTIN, JONATHAN, CA
[72] LAURSEN, PAUL, CA
[71] NORTHEAST GAS ASSOCIATION, US
[85] 2022-12-08
[86] 2021-06-24 (PCT/US2021/038868)
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[30] US (62/705,489) 2020-06-30

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[25] EN
[54] **CONTINUOUS-MOTION DIRECT AIR CAPTURE SYSTEM**
[54] **SYSTEME DE CAPTURE DIRECTE D'AIR A MOUVEMENT CONTINU SYSTEME DE CAPTURE D'AIR DIRECT A MOUVEMENT CONTINU**
[72] EISENBERGER, PETER, US
[72] PING, ERIC W., US
[72] SAKWA-NOVAK, MILES, US
[72] PRUETT, JED, US
[72] KLEPPER, ROBERT, US
[72] WYPER, SARAH, US
[71] GLOBAL THERMOSTAT OPERATIONS, LLC, US
[85] 2022-12-07
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[54] **POWER TOOL WITH CRIMP IMAGE**
[54] **OUTIL ELECTRIQUE AVEC IMAGE DE SERTISSAGE**
[72] WHITE, BRIAN MCCULLOH, US
[71] HUBBELL INCORPORATED, US
[85] 2022-12-08
[86] 2021-06-21 (PCT/US2021/038182)
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[25] EN
[54] **ENGINEERED T CELL RECEPTORS AND METHODS OF USE**
[54] **RECEPTEURS DE LYMPHOCYTES T MODIFIES ET LEURS PROCEDES D'UTILISATION**
[72] YEE, CASSIAN, US
[72] PAN, KE, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-12-07
[86] 2021-06-08 (PCT/US2021/036443)
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[25] EN
[54] **METHOD FOR PROCESSING BLACK LIQUOR SOAP**
[54] **PROCEDE DE TRAITEMENT DU SAVON DE LIQUEUR NOIRE**
[72] RAATIKAINEN, OLAVI, FI
[72] SUVANTO, PETRO, FI
[72] VEPSALAINEN, JOUKO, FI
[72] LEPPANEN, JUKKA, FI
[72] TURHANEN, PETRI, FI
[71] MOLCYCLE OY, FI
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[54] **TISSUE RESECTION CONTROL SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE RESECTION DE TISSU**
[72] BOATENG, KELVIN, US
[72] COHN, WILLIAM, US
[72] DAGLOW, TERRY, US
[72] KUHN, MATTHEW, US
[72] NGUYEN, STEVEN, US
[72] PATEL, RAVI, US
[72] TUSHAR, SHARMA, US
[72] SALAZAR, JORGE, US
[71] PRANA THORACIC, INC., US
[85] 2022-12-07
[86] 2021-06-04 (PCT/IB2021/054934)
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[30] US (63/035,913) 2020-06-08
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[25] EN
[54] **QUINAZOLINE DERIVATIVES USEFUL AS SELECTIVE HDAC6 INHIBITORS**
[54] **DERIVES DE QUINAZOLINE UTILES EN TANT QU'INHIBITEURS SELECTIFS DE HDAC6**
[72] YU, CHAO-WU, TW
[72] HUNG, PEI-YUN, TW
[72] JAGTAP, AJIT DHANANJAY, TW
[72] HO, YI-HSUN, TW
[72] CHANG, HSIN-YI, TW
[71] ANNJI PHARMACEUTICAL CO., LTD., TW
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[86] 2021-06-08 (PCT/US2021/036375)
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[51] **Int.Cl. G21G 1/00 (2006.01) G21G 1/12 (2006.01) G21K 5/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING MOLYBDENUM 99**
[54] **SYSTEME ET PROCEDE DE PRODUCTION DE MOLYBDENE 99**
[72] ROTSCH, DAVID A., US
[72] BROSSARD, THOMAS W., US
[72] KMAK, RONALD T., US
[72] TKAC, PETER, US
[71] UCHICAGO ARGONNE, LLC, US
[85] 2022-12-08
[86] 2021-06-24 (PCT/US2021/038995)
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[51] **Int.Cl. G01N 33/50 (2006.01)**
[25] EN
[54] **CELL-BASED ASSAY FOR DETERMINING THE IN VITRO TUMOR KILLING ACTIVITY OF CHIMERIC ANTIGEN EXPRESSING IMMUNE CELLS**
[54] **DOSAGE CELLULAIRE POUR DETERMINER L'ACTIVITE DE DESTRUCTION TUMORALE IN VITRO DE CELLULES IMMUNITAIRES EXPRIMANT UN ANTIGENE CHIMERE**
[72] WILLIAMS, J. KENDALL, US
[71] JANSSEN BIOTECH, INC., US
[85] 2022-12-07
[86] 2021-06-07 (PCT/IB2021/054996)
[87] (WO2021/250552)
[30] US (63/036,249) 2020-06-08
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[51] **Int.Cl. A61B 17/064 (2006.01) A61F 2/08 (2006.01)**
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[54] **TENDON FIXATION PLATE**
[54] **PLAQUE DE FIXATION DE TENDON**
[72] FLOSS, LUKAS, DE
[72] WELTE, STEFAN, DE
[71] INOVEDIS GMBH, DE
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[86] 2021-05-11 (PCT/EP2021/062411)
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[30] DE (10 2020 113 146.1) 2020-05-14

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[51] **Int.Cl. C01B 17/02 (2006.01) H05B 6/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR SOLIDIFYING LIQUID SULPHUR INTO ORTHORHOMBIC CRYSTALS AND RELATED METHOD**
[54] **APPAREIL DE SOLIDIFICATION DE SOUFRE LIQUIDE EN CRISTAUX ORTHORHOMBIQUES ET PROCEDE ASSOCIE**
[72] COMETTI, CARLO ALBERTO, IT
[71] COMETTI, CARLO ALBERTO, IT
[85] 2022-12-07
[86] 2021-06-14 (PCT/IB2021/055208)
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[30] IT (102020000014887) 2020-06-22

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[51] **Int.Cl. A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23K 20/24 (2016.01) A23K 50/10 (2016.01)**
[25] EN
[54] **COMPOSITION OR COMBINATION COMPRISING ANIONIC DIETARY SUPPLEMENT AND 25-HYDROXY VITAMIN D**
[54] **COMPOSITION OU COMBINAISON COMPRENANT UN COMPLEMENT ALIMENTAIRE ANIONIQUE ET DE LA 25-HYDROXYVITAMINE D**
[72] ZANZALARI, KENNETH P., US
[72] CHAPMAN, JAMES D., US
[72] COSTIGAN, TIMOTHY E., US
[72] WARRAS, DEAN, US
[72] HOLUB, GLENN A., US
[72] BASCOM, SCOTT S., US
[71] PHIBRO ANIMAL HEALTH CORPORATION, US
[85] 2022-12-08
[86] 2021-06-11 (PCT/US2021/036990)
[87] (WO2021/252885)
[30] US (63/038,500) 2020-06-12
[30] US (63/150,159) 2021-02-17

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[51] **Int.Cl. D21H 11/20 (2006.01) D21F 11/00 (2006.01) D21H 17/14 (2006.01) D21H 21/16 (2006.01)**
[25] EN
[54] **WATER-RESISTANT FIBROUS MATERIAL AND METHOD FOR MANUFACTURING IT**
[54] **MATERIAU FIBREUX RESISTANT A L'EAU ET SON PROCEDE DE FABRICATION**
[72] HANSSON, SUSANNE, SE
[72] BADENLID, RAIJA, SE
[72] BACKFOLK, KAJ, FI
[72] HEISKANEN, ISTO, FI
[71] STORA ENSO OYJ, FI
[85] 2022-12-07
[86] 2021-06-24 (PCT/IB2021/055590)
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[30] SE (2050753-9) 2020-06-24

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[51] **Int.Cl. B29C 65/00 (2006.01) B32B 7/12 (2006.01) B65B 7/28 (2006.01) B65B 29/02 (2006.01) B65B 51/14 (2006.01) B65B 51/22 (2006.01) B65B 61/28 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR APPLYING AN ANNULAR BODY TO A PERIMETER FLANGE OF A CONTAINER**
[54] **APPAREIL ET PROCEDE D'APPLICATION D'UN CORPS ANNULAIRE SUR UNE BRIDE PERIPHERIQUE D'UN RECIPIENT**
[72] CAPITINI, DAVIDE, IT
[72] BARTOLI, ANDREA, IT
[71] SARONG SOCIETA' PER AZIONI, IT
[85] 2022-12-07
[86] 2021-06-28 (PCT/IB2021/055746)
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[30] IT (102020000015670) 2020-06-29

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[51] **Int.Cl. B60W 40/06 (2012.01) B60W 60/00 (2020.01) G05D 1/02 (2020.01) G08G 1/00 (2006.01)**
[25] EN
[54] **UNMANNED VEHICLE CONTROL SYSTEM, UNMANNED VEHICLE, AND UNMANNED VEHICLE CONTROL METHOD**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE VEHICULE SANS PILOTE ET VEHICULE SANS PILOTE**
[72] OSAGAWA, KENTA, JP
[72] TOKU, ISAO, JP
[71] KOMATSU LTD., JP
[85] 2022-12-07
[86] 2021-05-10 (PCT/JP2021/017713)
[87] (WO2022/004131)
[30] JP (2020-112596) 2020-06-30

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[51] **Int.Cl. A47J 31/36 (2006.01)**
[25] EN
[54] **SYSTEM FOR PREPARING BEVERAGES**
[54] **SYSTEME POUR PREPARER DES BOISSONS**
[72] BARTOLI, ANDREA, IT
[72] CAPITINI, DAVIDE, IT
[71] SARONG SOCIETA' PER AZIONI, IT
[85] 2022-12-07
[86] 2021-06-28 (PCT/IB2021/055753)
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[51] **Int.Cl. A61K 35/747 (2015.01) A23L 33/135 (2016.01) C12N 1/20 (2006.01)**
[25] EN
[54] **SWINE ORIGIN PROBIOTICS THAT PROMOTE HEALTH AND GROWTH PERFORMANCE IN PIGS**
[54] **PROBIOTIQUES D'ORIGINE PORCINE QUI FAVORISENT LA SANTE ET LA PERFORMANCE DE CROISSANCE CHEZ LES PORCS**
[72] ZHAO, JIANGCHAO, US
[72] WANG, XIAOFAN, US
[72] TSAI, TSUNGCHENG, US
[72] MAXWELL, CHARLES V., US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, US
[85] 2022-12-08
[86] 2021-06-10 (PCT/US2021/036804)
[87] (WO2021/252760)
[30] US (63/037,435) 2020-06-10

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[51] **Int.Cl. B01J 20/08 (2006.01) B01J 20/10 (2006.01) B01J 20/16 (2006.01)**
[25] EN
[54] **ELECTROSWING ADSORPTION CELL WITH PATTERNED ELECTRODES FOR SEPARATION OF GAS COMPONENTS**
[54] **CELLULE D'ADSORPTION A OSCILLATION ELECTRIQUE AVEC ELECTRODES A MOTIFS POUR LA SEPARATION DE COMPOSANTS GAZEUX**
[72] VOSKIAN, SAHAG, US
[72] THOMAS-ALYEA, KAREN, US
[72] BURNS, ELIZABETH, US
[72] POPERE, BHOOSHAN, US
[71] VERDOX, INC., US
[85] 2022-12-08
[86] 2021-06-10 (PCT/US2021/036727)
[87] (WO2021/252713)
[30] US (63/037,829) 2020-06-11
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[25] EN
[54] **RAIL HAVING EXCELLENT FATIGUE CRACK PROPAGATION RESISTANCE CHARACTERISTICS, AND METHOD FOR PRODUCING SAME**
[54] **RAIL PRESENTANT D'EXCELLENTES CARACTERISTIQUES DE RESISTANCE A LA PROPAGATION DE FISSURES PAR FATIGUE, ET SON PROCEDE DE PRODUCTION**
[72] ANDO, KEISUKE, JP
[72] OHTSUBO, HIROFUMI, JP
[71] JFE STEEL CORPORATION, JP
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[86] 2021-06-01 (PCT/JP2021/020871)
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[30] JP (2020-111354) 2020-06-29

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[51] **Int.Cl. A47J 31/60 (2006.01)**
[25] EN
[54] **SYSTEM FOR FILTERING AND REGULATING THE ELECTROLYTIC COMPOSITION OF WATER FOR AN ESPRESSO COFFEE MACHINE AND ASSOCIATED ESPRESSO COFFEE MACHINE**
[54] **SYSTEME POUR LA FILTRATION ET LA REGULATION DE LA COMPOSITION ELECTROLYTIQUE DE L'EAU POUR UNE MACHINE A CAFE EXPRESSO ET MACHINE A CAFE EXPRESSO ASSOCIEE**
[72] WURM, ENRICO VITTORIO, IT
[72] GIORDANO, EMANUELE, IT
[72] FRANCINI, FILIPPO, IT
[71] LA MARZOCCO S.R.L., IT
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[86] 2021-07-02 (PCT/IB2021/055944)
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[30] IT (102020000016078) 2020-07-02

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[51] **Int.Cl. A01G 22/00 (2018.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01M 21/04 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/29 (2006.01) C12N 15/53 (2006.01) C12N 15/63 (2006.01)**
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[54] **GENE ENCODING CYTOCHROME P450 AND USE THEREOF**
[54] **GENE CODANT POUR LE CYTOCHROME P450 ET SON UTILISATION**
[72] YAMAMOTO, SHUNSUKE, JP
[72] KAWAI, KIYOSHI, JP
[71] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP
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[54] **METHODS AND COMPOSITIONS FOR EDITING THE B2M LOCUS IN B CELLS**
[54] **PROCEDES ET COMPOSITIONS DE MODIFICATION DU LOCUS B2M DANS DES CELLULES B**
[72] RAWLINGS, DAVID J., US
[72] JAMES, RICHARD G., US
[72] STOFFERS, CLAIRE MARIE, US
[72] COOK, PETER J., US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US
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[54] **SUNFLOWER SEED**
[54] **GRAINE DE TOURNESOL**
[72] SAGA, HIROHISA, JP
[72] KATO, MASAHARU, JP
[71] FUJI OIL HOLDINGS INC., JP
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[54] **GRAPH DATA STRUCTURE EDGE PROFILING IN MAPREDUCE COMPUTATIONAL FRAMEWORK**
[54] **PROFILAGE D'ARETES DE STRUCTURE DE DONNEES DE GRAPHE DANS UN CADRE DE CALCUL MAPREDUCE**
[72] TAFFE, CONNOR, US
[71] LIVERAMP, INC., US
[85] 2022-12-07
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[54] **RECYCLABLE 3D SHAPED PRODUCT FROM AN AIR-LAID BLANK**
[54] **PRODUIT FACONNE EN 3D RECYCLABLE A PARTIR D'UNE EBAUCHE FORMEE PAR VOIE SECHE**
[72] TORNBLOM, MARIA, SE
[71] STORA ENSO OYJ, FI
[85] 2022-12-07
[86] 2021-07-08 (PCT/IB2021/056122)
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[54] **JOINTED DEVICE FOR AUTOMATIC SUTURE AND METHOD FOR SAME**
[54] **DISPOSITIF ARTICULE POUR SUTURE AUTOMATIQUE ET PROCEDE D'UN TEL DISPOSITIF**
[72] GURU, KHURSHID, US
[71] HEALTH RESEARCH, INC., US
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[54] **HIGH QUALITY MASK**
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[72] COLEMAN, JOHNATHAN, US
[71] NANA PRODUCTS LLC, US
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[54] **ROR.GAMMA.T INHIBITORS AND TOPICAL USES THEREOF**
[54] **INHIBITEURS DE ROR.GAMMA.T ET UTILISATIONS TOPIQUES DE CEUX-CI**
[72] HARDEN, JAMIE L., US
[72] IMBERT, DELPHINE, US
[71] DERMIRA, INC., US
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[86] 2021-06-29 (PCT/US2021/039560)
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[54] **IRAK4 INHIBITORS AND TOPICAL USES THEREOF**
[54] **INHIBITEURS D'IRAK4 ET UTILISATIONS TOPIQUES**
[72] HARDEN, JAMIE L., US
[72] IMBERT, DELPHINE, US
[71] DERMIRA, INC., US
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[54] **METHODS OF MAKING WEE1 INHIBITOR COMPOUNDS**
[54] **PROCEDES DE PRODUCTION DE COMPOSES INHIBITEURS DE WEE1**
[72] HUANG, PETER QINHUA, US
[72] HOPKINS, CHAD DANIEL, US
[72] BOREN, BRANT CLAYTON, US
[72] ABRAHAM, SUNNY, US
[72] BUNKER, KEVIN DUANE, US
[72] BOGA, SOBHANA BABU, US
[72] ZHU, SHUGUANG, US
[72] WU, TAO, US
[72] PRATT, BENJAMIN, US
[71] RECURIUM IP HOLDINGS, LLC, US
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[54] **NANOPARTICLES AND METHODS OF MANUFACTURE THEREOF**
[54] **NANOPARTICULES ET LEURS PROCEDES DE FABRICATION**
[72] SINGH, HARPAL, IN
[72] MILBY, RANDY, US
[72] TIWARI, SACHCHIDANAND, IN
[72] MOHAMMAD, ANEES, IN
[71] HILLSTREAM BIOPHARMA INC., US
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[54] **SYSTEM AND METHOD FOR MANAGEMENT OF HETEROGENEOUS BATTERY MODULES**
[54] **SYSTEME ET PROCEDE DE GESTION DE MODULES DE BATTERIE HETEROGENES**
[72] EBERHARD, MARTIN, US
[72] BRANDT, OLAF, US
[72] RILEY, JESSICA, US
[72] CROKE, DARREN J., US
[72] SWENEY, ROB, US
[72] CAMPBELL, BRENNAN, US
[72] MITROS, ANIA, US
[71] AMERICAN BATTERY SOLUTIONS, INC, US
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[72] KUZUCAN, MEHMET BORA, CA
[71] KUZUCAN, MEHMET BORA, CA
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[54] **COUPLING ARRANGEMENT**
[54] **AGENCEMENT D'ACCOUPLEMENT**
[72] KUZUCAN, MEHMET BORA, CA
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[54] **METHODS FOR COMMUNICATION, TERMINAL DEVICE, AND COMPUTER READABLE MEDIA**
[54] **PROCEDES DE COMMUNICATION, DISPOSITIF TERMINAL, ET SUPPORTS LISIBLES PAR ORDINATEUR**
[72] WANG, GANG, CN
[72] LIANG, LIN, CN
[72] GAO, YUKAI, CN
[71] NEC CORPORATION, JP
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[25] EN
[54] **SAFETY SOCKET MODULE, AND POWER STRIP AND MOBILE CABLE REEL COMPRISING SAFETY SOCKET MODULE**
[54] **MODULE D'ALVEOLE DE SECURITE, ET BARRETTE D'ALIMENTATION ET BOBINE DE CABLE MOBILE COMPRENANT UN MODULE D'ALVEOLE DE SECURITE**
[72] MA, WEN, CN
[72] MA, JUNGE, CN
[72] CAO, LIWEI, CN
[71] DALIAN SAFE TECHNOLOGY CO., LTD, CN
[85] 2022-12-08
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[54] **BEARER CONFIGURATION METHOD AND APPARATUS, CONTEXT INFORMATION MANAGEMENT METHOD AND APPARATUS, RELEASING METHOD AND APPARATUS, AND DEVICE**
[54] **PROCEDE ET APPAREIL DE CONFIGURATION DE SUPPORT, PROCEDE ET APPAREIL DE GESTION D'INFORMATIONS DE CONTEXTE, PROCEDE ET APPAREIL DE LIBERATION, ET DISPOSITIF**
[72] ZHU, HAO, CN
[72] CHEN, LIN, CN
[72] QI, TAO, CN
[72] MA, ZIJIANG, CN
[72] XIE, FENG, CN
[72] HUANG, YING, CN
[72] CAO, KUN, CN
[72] WANG, LIPING, CN
[71] ZTE CORPORATION, CN
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[25] EN
[54] **MODE CONFIGURATION METHOD AND APPARATUS, AND DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE CONFIGURATION DE MODE, ET DISPOSITIF ET SUPPORT DE STOCKAGE**
[72] ZHU, HAO, CN
[72] CHEN, LIN, CN
[72] QI, TAO, CN
[72] MA, ZIJIANG, CN
[71] ZTE CORPORATION, CN
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[54] **INFORMATION TRANSMISSION METHOD, INFORMATION RECEPTION METHOD AND APPARATUSES**
[54] **PROCEDE D'ENVOI D'INFORMATIONS, PROCEDE DE RECEPTION ET DISPOSITIF**
[72] XIE, FANG, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
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[54] **BELT WEAR MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE D'USURE DE COURROIE**
[72] GNAUERT, ROLF, DE
[71] GNAUERT, ROLF, DE
[85] 2022-12-08
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[54] **ENHANCED GONIOMETER**
[54] **GONIOMETRE AMELIORE**
[72] PYNE, KEITH, US
[71] PMOTION, INC., US
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[54] **LAMP AND SYSTEM WITH WALL-LIKE RADIATION FIELDS FOR PREVENTING OR MINIMISING THE SPREAD OF VIRUSES IN INDOOR AIR**
[54] **LAMPE ET SYSTEME COMPRENANT DES CHAMPS DE RAYONNEMENT EN PAROI POUR PREVENIR OU REDUIRE LA PROPAGATION DE PATHOGENES DANS L'AIR INTERIEUR**
[72] PROHASKA, REINER, DE
[72] WIESER, ANDREAS, DE
[72] MUSCHAWECK, JULIUS, DE
[71] SMART UNITED HOLDING GMBH, DE
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[54] **SIZE-DEPENDENT BRAIN AND LYMPHATIC DISTRIBUTION OF MACROMOLECULAR DRUG DELIVERY PLATFORM**
[54] **REPARTITION LYMPHATIQUE ET CEREBRALE EN FONCTION DE LA TAILLE D'UNE PLATEFORME D'ADMINISTRATION DE MEDICAMENTS MACROMOLECULAIRES**
[72] STERN, STEPHAN TIMOTHY, US
[72] STEVENS, DAVID MICHAEL, US
[72] BERZOFSKY, JAY ARTHUR, US
[72] BURKS, JULIAN DEMOND, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
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[25] EN
[54] **ADJUSTING CONCRETE MIXES AND MIX DESIGNS USING DIAGNOSTIC DELTA DATA CURVE**
[54] **AJUSTEMENT DE MELANGES DE BETON ET DE CONCEPTIONS DE MELANGE A L'AIDE D'UNE COURBE DELTA DE DONNEES DE DIAGNOSTIC**
[72] TREGGER, NATHAN A., US
[72] ROBERTS, MARK F., US
[71] GCP APPLIED TECHNOLOGIES INC., US
[85] 2022-12-08
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[25] EN
[54] **AZABICYCLYL-SUBSTITUTED HETEROCYCLES AS FUNGICIDES**
[54] **HETEROCYCLES A SUBSTITUTION AZABICYCLYLE UTILISES COMME FONGICIDES**
[72] GEIST, JULIE, FR
[72] MILLET, ANTHONY, FR
[72] MONTAGNE, CYRIL, FR
[72] NICOLAS, LIONEL, FR
[72] LOQUE, DOMINIQUE, CH
[72] THOMAS, VINCENT, FR
[72] ES-SAYED, MAZEN (DECEASED), DE
[72] SUDAU, ALEXANDER, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[54] **MORTAR APPLICATOR AND MORTAR APPLICATION SYSTEM HAVING SAME**
[54] **APPLICATEUR DE MORTIER ET SYSTEME D'APPLICATION DE MORTIER LE COMPRENANT**
[72] PUCELLA, GIOVANNI, CA
[72] LAVOIE, MARC-MICHEL, CA
[72] KEIGHAN, GUILLAUME, CA
[72] DUFOUR, JEAN-DANIEL, CA
[72] GOUDREAULT, ERIC, CA
[72] MORASSE, JEAN-PHILIPPE, CA
[71] GROUPE REFRACO INC., CA
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[54] **METHODS FOR TREATING CANCER AND NON-NEOPLASTIC CONDITIONS**
[54]
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[72] ARASU, TAMIL, US
[72] CHOI, SOONGYU, US
[72] CAO, LIANGXIAN, US
[72] CAMPBELL, JEFF, US
[72] CORSON, DON, US
[72] DAVIS, THOMAS, US
[72] GRACI, JASON D., US
[72] GU, ZHENGXIAN, US
[72] HWANG, PETER SEONGWOO, US
[72] LENNOX, WILLIAM, US
[72] MIAO, HARRY H., US
[72] MILLER, LANGDON, US
[72] MOON, YOUNG-CHOON, US
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[72] TROTTA, CHRISTOPHER, US
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[54] **HEATER MANAGEMENT**
[54] **GESTION DE DISPOSITIF DE CHAUFFAGE**
[72] BILAT, STEPHANE, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
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[54] **APPARATUS AND METHOD FOR COMMERCIAL TRANSACTIONS USING A COMMUNICATION DEVICE**
[54] **APPAREIL ET PROCEDE POUR TRANSACTIONS COMMERCIALES UTILISANT UN DISPOSITIF DE COMMUNICATION**
[72] TANG, TAI KWAN JIMMY, CN
[72] LO, CHI WAH, CN
[72] MAGES, KENNETH G., CN
[71] 4361423 CANADA INC., CA
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[25] EN
[54] **BOX TEMPLATE FOLDING PROCESS AND MECHANISMS**
[54] **PROCEDE ET MECANISMES DE PLIAGE DE MODELE DE BOITE**
[72] PROVOOST, DAVID MICHEL, BE
[72] DE DYCKER, HERMAN GERMAIN, BE
[72] VAN STEENKISTE, DIMITRI DANIEL RAPHAEL, BE
[72] HAMERLINCK, STEFAAN ALBERT MARIE-LOUISE, BE
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[30] BE (2018/05698) 2018-10-10
[30] US (16/375,588) 2019-04-04

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[54] **METHOD AND SYSTEM FOR VISUALIZATION OF HEART TISSUE AT RISK**
[54] **PROCEDE ET SYSTEME DE VISUALISATION DE TISSU CARDIAQUE A RISQUE**
[72] SHADFORTH, IAN, US
[72] LEI, MENG, CA
[72] BURTON, TIMOTHY, CA
[72] CRAWFORD, DON, US
[72] GUPTA, SUNNY, CA
[72] SOUZA, PAUL DOUGLAS, US
[72] WACKERMAN, CODY JAMES, US
[72] DUBBERLY, ANDREW HUGH, US
[71] ANALYTICS FOR LIFE INC., CA
[22] 2017-09-21
[41] 2018-03-29
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[30] US (62/397,895) 2016-09-21

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[54] **METHODS AND SYSTEMS FOR CONTROLLING BLOOD PRESSURE BY CONTROLLING ATRIAL PRESSURE**
[54] **PROCEDES ET SYSTEMES DE REGULATION DE LA PRESSION SANGUINE PAR CONTROLE DE LA PRESSION AURICULAIRE**
[72] MIKA, YUVAL, US
[72] SHERMAN, DARREN, US
[72] SCHWARTZ, ROBERT S., US
[72] VAN TASSEL, ROBERT A., US
[72] BURKHOFF, DANIEL, US
[71] BACKBEAT MEDICAL, LLC, US
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[54] **METHODS AND COMPOSITIONS COMPRISING AN ANTI-IL13 ANTIBODY AND RESIDUAL HAMSTER PHOSPHOLIPASE B-LIKE 2**
[54] **METHODES ET COMPOSITIONS COMPRENANT UN ANTICORPS ANTI-IL-13 ET UNE PHOSPHOLIPASE B-LIKE 2 DE HAMSTER RESIDUELLE**
[72] YU, X. CHRISTOPHER, US
[72] KADKHODAYAN FISCHER, SALOUMEH, US
[72] FISHER, SUSAN C., US
[72] LOWE, JOHN, US
[72] NAIM, ATIA, US
[72] SANCHEZ, AILEN M., US
[72] TESKE, CHRISTOPHER A., US
[72] VANDERLAAN, MARTIN, US
[72] AMURAO, ANNAMARIE, US
[72] FRANKLIN JAYME, US
[72] VICTA, CORAZON, US
[71] GENENTECH, INC., US
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[54] **DISTRIBUTED SEARCHING AND INDEX UPDATING METHOD AND SYSTEM, SERVERS, AND COMPUTER DEVICES**
[54] **PROCEDE ET SYSTEME DE RECHERCHE DISTRIBUEE ET DE MISE A JOUR D'INDEX, SERVEURS ET DISPOSITIFS INFORMATIQUES**
[72] DU, RUOFEI, CN
[72] PAN, WENBIN, CN
[72] ZHANG, XILUN, CN
[71] 10353744 CANADA LTD., CA
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[54] **SYSTEMS, DEVICE AND METHOD FOR ENFORCING PRIVACY DURING A COMMUNICATION SESSION WITH A VOICE ASSISTANT**
[54] **SYSTEMES, DISPOSITIF, METHODE DE MISE EN APPLICATION DE LA CONFIDENTIALITE PENDANT UNE SESSION DE COMMUNICATION AVEC UN ASSISTANT VOCAL**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[72] CHOW, ARTHUR CARROLL, CA
[72] NAIRN, PETER GLEN, CA
[72] HOOD, EDWARD JAMES, CA
[71] THE TORONTO-DOMINION BANK, CA
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[54] **FLOW SENSOR SYSTEM WITH CONNECTION ASSEMBLY**
[54] **SYSTEME DE CAPTEUR DE DEBIT AVEC ENSEMBLE DE CONNEXION**
[72] BOCHENKO, WALTER JOHN, US
[71] CRISI MEDICAL SYSTEMS, INC., US
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[54] **GROW TOWER PROCESSING FOR CONTROLLED ENVIRONMENT AGRICULTURE SYSTEM**
[54] **TRAITEMENT DE TOUR DE CULTURE POUR SYSTEME D'AGRICULTURE A ENVIRONNEMENT CONTROLE**
[72] COFFIN, GAGE GOODSPEED, US
[72] FLYNN, MICHAEL PETER, US
[72] KLEIN, BRICE LEON, US
[72] LE ROUX, ALEXANDRE, US
[72] STOREY, NATHANIEL R., US
[72] HASOON, TAMARA TAHIR, US
[72] JENKINS, MERRITT JONATHAN, US
[72] MALONE, MARIA ALEXANDRIA, US
[72] MATERA, MATTHEW JAMES, US
[72] OLSON, ANNA, US
[72] HENDEL, NADAV SAHAR, US
[71] MJNN LLC, US
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[54] **SYSTEM AND METHOD FOR PREPARING A SOFT TISSUE GRAFT**
[54] **SYSTEME ET PROCEDE DE PREPARATION D'UN GREFFON DE TISSU MOU**
[72] KAM, ANDREW, US
[72] LOMBARDO, GIUSEPPE, US
[71] CONMED CORPORATION, US
[22] 2018-08-28
[41] 2019-03-07
[62] 3,072,354
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[54] **MULTI-CHANNEL PAIRING IN A MEDIA SYSTEM**
[54] **APPARIEMENT DE CANAUX MULTIPLES DANS UN SYSTEME MULTIMEDIA**
[72] KALLAI, CHRISTOPHER, US
[72] ERICSON, MICHAEL DARELL ANDREW, US
[72] LAMBOURNE, ROBERT A., US
[72] REIMANN, ROBERT, US
[72] TRIPLETT, MARK, US
[71] SONOS, INC., US
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[54] **SYSTEMS AND METHODS FOR CREATING LOAD PEAKS AND VALLEYS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE CREER DES PICS ET DES CREUX DE CHARGE**
[72] SOO, DEREK LIM, CA
[71] PEAK POWER, INC., CA
[22] 2016-09-19
[41] 2017-03-30
[62] 2,995,651
[30] US (62/221,376) 2015-09-21
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[54] **INSECTICIDAL POLYPEPTIDES HAVING BROAD SPECTRUM ACTIVITY AND USES THEREOF**
[54] **POLYPEPTIDES INSECTICIDES AYANT UN SPECTRE D'ACTIVITE LARGE ET LEURS UTILISATIONS**
[72] ABAD, ANDRE R., US
[72] WOLFE, THOMAS CHAD, US
[72] ZHOU, LAN, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2014-08-06
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[54] **AN ORAL TRAINING APPLIANCE**
[54] **APPAREIL D'ENTRAINEMENT ORAL**
[72] FARRELL, CHRISTOPHER JOHN, AU
[71] FARRELL, CHRISTOPHER JOHN, AU
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[54] **BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME**
[54] **BIOMARQUEURS LIES A LA FONCTION RENALE ET METHODES D'UTILISATION DE CEUX-CI**
[72] PERICHON, REGIS, US
[72] COBB, JEFFERY EDMOND, US
[72] BROWN, MEREDITH V., US
[72] KENNEDY, ADAM, US
[71] METABOLON, INC., US
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[54] **DIET CONTROLLED EXPRESSION OF A NUCLEIC ACID ENCODING A PRO-APOPTOTIC PROTEIN**
[54] **EXPRESSION REGULEE PAR UN REGIME D'UN ACIDE NUCLEIQUE CODANT POUR UNE PROTEINE PRO-APOPTOTIQUE**
[72] FAFOURNOUX, PIERRE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, FR
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[54] **MODULAR SOFA CONSTRUCTION AND METHODS FOR ASSEMBLY**
[54] **STRUCTURE DE CANAPE MODULAIRE ET SES PROCEDES D'ASSEMBLAGE**
[72] KUHL, STEPHEN, US
[72] CHOPRA, KABEER, US
[72] AMICK, LEAH K. S., US
[72] KOH, PAUL, US
[72] KUBO, ALEX, US
[71] BURROW, INC., US
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[54] **ORGANIC COMPOSITIONS TO TREAT HSF1-RELATED DISEASES**
[54] **COMPOSITIONS ORGANIQUES DE TRAITEMENT DE MALADIES ASSOCIEES A HSF1**
[72] CHEN, JINYUN, US
[72] GAMPA, KALYANI, US
[72] HUESKEN, DIETER, US
[72] STEGMEIER, FRANK P., US
[72] STUMP, MARK, US
[72] VARGEESE, CHANDRA, US
[72] WEILER, JAN, US
[72] ZHOU, WENLAI, US
[71] ARROWHEAD PHARMACEUTICALS, INC., US
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[54] **SKATE BLADE SHARPENING SYSTEM**
[54] **SYSTEME D'AFFUTAGE DE LAME DE PATIN**
[72] LAYTON, RUSSELL K. JR., US
[72] BEAUDET, DANIEL A., US
[72] GORYACHEV, IVAN D., US
[72] HANCZOR, MATT, US
[72] BOLTON, CLIVE, US
[72] WILLISON, ALEX TAYLOR, US
[71] VELASA SPORTS, INC., US
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[30] US (14/523,453) 2014-10-24
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[54] **PREDICTION FILTERING BASED ON THE INTRA PREDICTION MODE OF THE CURRENT BLOCK**
[54] **FILTRAGE DE PREDICTION FONDE SUR LE MODE INTRA PREDICTION DU BLOC COURANT**
[72] LEE, JIN HO, KR
[72] KIM, HUI YONG, KR
[72] LIM, SUNG CHANG, KR
[72] CHOI, JIN SOO, KR
[72] KIM, JIN WOONG, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
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[54] **PROCEDE ET APPAREIL DE COMMANDE DE CHARGE, SUR LA BASE DE SIGNAUX DE COMMUNICATION SURVEILLES ASSOCIES A UNE SESSION DE CHARGE**
[72] LOGVINOV, OLEG, US
[72] MACALUSO, MICHAEL J., US
[71] IOTECHA CORP., US
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[54] **DISPOSITIF DE MESURE DE COUPLE D'ENTRAINEMENT SUPERIEUR**
[72] WERN, FRANK, DE
[72] THIEMANN, BJOERN, DE
[72] ZOUHAIR, AICAM, US
[72] LIESS, MARTIN, DE
[72] HEBEBRAND, CHRISTINA KARIN, DE
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **PROCESS FOR RECOVERING CLOSE BOILING PRODUCTS**
[54] **PROCEDE DE RECUPERATION DE PRODUITS A POINT D'EBULLITION PROCHE**
[72] GAO, ALLAN HAIMING, US
[72] CONRADO, ROBERT JOHN, US
[72] GRIFFIN, DEREK WAYNE, US
[72] TIAN, PENG, US
[71] LANZATECH, INC., US
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[54] **PRIMERS AND PROBES FOR DETECTION AND DISCRIMINATION OF TYPES AND SUBTYPES OF INFLUENZA VIRUSES**
[54] **AMORCES ET SONDES DE DETECTION ET DISCRIMINATION DE TYPES ET DE SOUS-TYPES DE VIRUS D'INFLUENZA**
[72] LINDSTROM, STEPHEN, US
[72] KLIMOV, ALEXANDER, US
[72] COX, NANCY, US
[72] LOFTIN, LAMORRIS, US
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[54] **TOILETTES D'INTERIEUR D'AERONEF**
[72] COOK, DONALD F., US
[72] HARRINGTON, LIBERTY D., US
[72] STEINER, PHILIPP, US
[72] BRAUER, ROBERT K., US
[72] SKELLY, TREVOR, US
[71] BE INTELLECTUAL PROPERTY, INC., US
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[72] CHRAPKO, SHANE, CA
[72] CHAN, LEO M., CA
[72] GUO, ZHAOCHEN, CA
[72] TRUDEL, CHRISTOPHER, CA
[72] MAWJI, ASHIF, CA
[71] WWW.TRUSTSCIENCE.COM INC., CA
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[54] **BISPECIFIC ANTIBODIES BINDING ALK-1 AND BMPR-2**
[54] **ANTICORPS BISPECIFIQUES SE LIANT A ALK-1 ET BMPR-2**
[72] WEBER, ERNST, DE
[72] MEDING, JORG, DE
[72] SOHLER, FLORIAN, DE
[72] GLUCK, JULIAN MARIUS, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[54] **ASSEMBLAGE ET ETANCHEIFICATION DE STRUCTURES CERAMIQUES SOUS PRESSION**
[72] SHEEDER, JONATHAN DAVID, US
[72] ZHANG, JIPING, US
[72] DECK, CHRISTIAN PETER, US
[72] KHALIFA, HESHAM EZZAT, US
[72] STEMKE, ROBERT WARREN, US
[72] AUSTIN, BRIAN STEPHEN, US
[72] VASUDEVAMURTHY, GOKUL, US
[72] BACALSKI, CARLOS, US
[72] SONG, ERIC, US
[72] BACK, CHRISTINA ALLYSSA, US
[71] GENERAL ATOMICS, US
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[54] **SPIKE-INS D'ACIDES NUCLEIQUES SYNTHETIQUES**
[72] CHRISTIANS, FRED C., US
[72] VILFAN, IGOR D., US
[72] KERTESZ, MICHAEL, US
[72] BLAUWKAMP, TIMOTHY A., US
[72] VENKATASUBRAHMANYAM, SHIVKUMAR, US
[72] ROSEN, MICHAEL, US
[72] SIT, RENE, US
[71] KARIUS, INC., US
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[54] **ELEMENT DE MANIPULATION TUBULAIRE ET UNITE ARTICULEE ENTRAINEE COMBINES**
[72] KEAST, LARRY G., US
[72] SHEM, ALAN BING JOE, US
[72] JOHNSTON, JONATHAN GARRETT, US
[72] GERHAUSER, STEPHEN LEE, JR., US
[72] ORGERON, KEITH J., US
[71] KEAST, LARRY G., US
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[25] EN
[54] **A VENEERED ELEMENT AND METHOD OF PRODUCING SUCH A VENEERED ELEMENT**
[54] **ELEMENT PLAQUE ET PROCEDE DE PRODUCTION D'UN TEL ELEMENT PLAQUE**
[72] BERGELIN, MARCUS, SE
[72] ZIEGLER, GORAN, SE
[71] VALINGE INNOVATION AB, SE
[22] 2017-04-25
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[54] **SUCCEDANES DE VIANDE HACHEE**
[72] VARADAN, RANJANI, US
[72] SOLOMATIN, SERGEY, US
[72] HOLZ-SCHIETINGER, CELESTE, US
[72] COHN, ELYSIA, US
[72] KLAPHOLZ-BROWN, ARIEL, US
[72] SHIU, JENNIFER WOAN-YI, US
[72] KALE, ANIKET, US
[72] KARR, JESSICA, US
[72] FRASER, RACHEL, US
[71] IMPOSSIBLE FOODS INC., US
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[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) C07K 17/00 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **ASSAYS FOR IGFBP7 HAVING IMPROVED PERFORMANCE IN BIOLOGICAL SAMPLES**
[54] **DOSAGES DE DETECTION D'IGFBP 7 AYANT UNE EFFICACITE AMELIOREE DANS DES ECHANTILLONS BIOLOGIQUES**
[72] VIJAYENDRAN, RAVI A., US
[72] VENKATASUBBARAO, SRIVATSA, US
[71] ASTUTE MEDICAL, INC., US
[22] 2014-11-06
[41] 2015-05-14
[62] 2,929,547
[30] US (61/900,942) 2013-11-06
[30] US (62/054,324) 2014-09-23
[30] US (62/064,380) 2014-10-15

[21] **3,185,706**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01) C07K 16/18 (2006.01) C12N 15/13 (2006.01) C07K 14/50 (2006.01)**
[25] EN
[54] **METHODS OF TREATING FGF21-ASSOCIATED DISORDERS**
[54] **METHODE DE TRAITEMENT DES TROUBLES ASSOCIES AU FGF21**
[72] YOWE, DAVID LANGDON, US
[72] BOETTCHER, BRIAN, US
[72] CEBE, REGIS, CH
[72] TARASZKA, JOHN, US
[72] LI, GUOCHUN, US
[72] CAPLAN, SHARI LYNN, US
[72] XU, FANGMIN, US
[71] NOVARTIS AG, CH
[22] 2016-08-02
[41] 2017-02-09
[62] 2,994,516
[30] US (62/200,445) 2015-08-03

[21] **3,185,741**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/5025 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **[1,2,4]TRIAZOLO[4,3-B]PYRIDAZINES FOR USE IN THE TREATMENT OF PROLIFERA TIVE DISEASES**
[54] **[1,2,4] TRIAZOLO [4,3-B] PYRIDAZINES POUR UNE UTILISATION DANS LE TRAITEMENT DE MALADIES PROLIFERATIVES**
[72] BRADBURY, ROBERT HUGH, GB
[72] RABOW, ALFRED ARTHUR, GB
[72] WARING, MICHAEL JAMES, GB
[72] MCCABE, JAMES FRANCIS, GB
[72] GLOSSOP, STEVEN CHRISTOPHER, GB
[72] MAHMOOD, ARSHED, GB
[72] COTTER, ZOE ANN, GB
[71] ASTRAZENECA AB, SE
[22] 2015-07-24
[41] 2016-02-04
[62] 2,956,421
[30] US (62/029,676) 2014-07-28

[21] **3,185,763**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR PORTABLE STORAGE DEVICES**
[54] **SYSTEMES ET PROCEDES POUR DISPOSITIFS DE STOCKAGE PORTABLES**
[72] CHRISTMAS, COY, US
[72] MALPASS, LUKE, GB
[71] FASETTO, LLC, US
[22] 2015-06-19
[41] 2016-04-14
[62] 2,963,079
[30] US (62/060,379) 2014-10-06

[21] **3,185,773**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD OF AUTOMATING A SLIDE DRILLING OPERATION**
[54] **SYSTEME ET METHODE D'AUTOMATISATION D'UNE OPERATION DE PERCAGE A CHARIOT**
[72] GROOVER, AUSTIN, US
[72] WAGNER, CHRISTOPHER, US
[72] JOHNSON, JESSE, US
[72] GILLAN, COLIN, US
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US
[22] 2018-12-17
[41] 2019-07-16
[62] 3,118,654
[30] US (15/872495) 2018-01-16

[21] **3,185,776**
[13] A1
[25] EN
[54] **MELANOGENESIS INHIBITOR COMPRISING D-PANTOTHENYL ALCOHOL, AND SKIN-WHITENING COSMETIC CONTAINING SAME MELANOGENESIS INHIBITOR**
[54] **INHIBITEUR DE MELANOGENESE COMPRENANT DE D-PANTOTHENOL, ET PRODUIT DE BEAUTE DE BLANCHISSEMENT DE LA PEAU CONTENANT CET INHIBITEUR DE MELANOGENESE**
[72] KONDO, CHIHIRO, JP
[72] SASSA, SHOKO, JP
[72] SAITOH, YUKO, JP
[72] MORI, YASUHITO, JP
[72] YOKOYAMA, KOUJI, JP
[71] POLA CHEMICAL INDUSTRIES, INC., JP
[22] 2015-04-02
[41] 2015-10-08
[62] 3,123,821
[30] JP (2014-076693) 2014-04-03

[21] **3,185,780**
[13] A1
[51] **Int.Cl. A61K 38/28 (2006.01) A61K 47/22 (2006.01) A61P 3/10 (2006.01) A61P 5/48 (2006.01)**
[25] EN
[54] **USE OF ULTRARAPID ACTING INSULIN**
[54] **UTILISATION DE L'INSULINE A ACTION ULTRARAPIDE**
[72] RICHARDSON, PETER, US
[72] BAUGHMAN, ROBERT A., US
[72] POTOCKA, ELIZABETH, US
[72] BOSS, ANDERS HASAGER, US
[72] PETRUCCI, RICHARD, US
[72] HOWARD, CAMPBELL, US
[72] MANN, ALFRED, US
[71] MANNKIND CORPORATION, US
[22] 2009-08-11
[41] 2010-02-25
[62] 3,022,991
[30] US (61/087943) 2008-08-11
[30] US (61/097495) 2008-09-16
[30] US (61/097516) 2008-09-16
[30] US (61/138863) 2008-12-18

[21] **3,185,784**
[13] A1
[51] **Int.Cl. A01K 1/12 (2006.01) A01J 5/003 (2006.01) A01J 5/01 (2006.01) A01J 5/013 (2006.01) A01J 5/017 (2006.01) A01J 7/02 (2006.01) A01J 9/00 (2006.01) A01K 1/00 (2006.01)**
[25] EN
[54] **A DAIRY FARM WITH A SINGLE OR MULTIPLE FRONTAL ELEVATED ROADS**
[54] **FERME LAITIERE AVEC UNE SEULE OU PLUSIEURS VOIES SURELEVEES FRONTALES**
[72] BRAYER, EYAL, IL
[71] DAIRYCS AUTOMATIC MILKING LTD, IL
[22] 2020-08-27
[41] 2021-03-04
[62] 3,150,963
[30] IL (268978) 2019-08-28
[30] IL (271314) 2019-12-10
[30] IL (274851) 2020-05-21

[21] **3,185,787**
[13] A1
[25] EN
[54] **DETECTION OF BRAIN CANCER**
[54] **DETECTION DU CANCER DU CERVEAU**
[72] SHAW, LISA, GB
[72] ALDER, JANE, GB
[72] TUMILSON, CHARLOTTE, GB
[71] UNIVERSITY OF CENTRAL LANCASHIRE, GB
[22] 2014-07-09
[41] 2015-01-15
[62] 2,916,848
[30] GB (1312336.9) 2013-07-09
[30] GB (1400436.0) 2014-01-10

[21] **3,185,821**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 21/00 (2006.01) C12N 15/12 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **TREATMENT OF DYSTROPHIN FAMILY RELATED DISEASES BY INHIBITION OF NATURAL ANTISENSE TRANSCRIPT TO DMD FAMILY**
[54] **TRAITEMENT DE MALADIES LIEES A LA FAMILLE DE LA DYSTROPHINE PAR INHIBITION DU PRODUIT ANTISENS NATUREL DE TRANSCRIPTION VERS LA FAMILLE DE LA DMD**
[72] COLLARD, JOSEPH, US
[72] KHORKOVA SHERMAN, OLGA, US
[71] CURNA, INC., US
[22] 2010-05-07
[41] 2010-11-11
[62] 2,761,248
[30] US (61/176,594) 2009-05-08
[30] US (61/317,350) 2010-03-25

[21] **3,185,827**
[13] A1
[51] **Int.Cl. C08L 3/02 (2006.01) C03C 27/10 (2006.01) C08J 3/24 (2006.01) C08K 5/3412 (2006.01) C08K 7/00 (2006.01)**
[25] EN
[54] **IMPROVED BINDER COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DE LIANT AMELIOREES ET LEURS UTILISATIONS**
[72] HAMPSON, CARL, GB
[72] KHAN, FERDOUS, GB
[71] KNAUF INSULATION SPRL, BE
[22] 2016-10-26
[41] 2017-05-04
[62] 3,003,080
[30] GB (1519187.7) 2015-10-30

[21] **3,185,829**
[13] A1
[51] **Int.Cl. A01K 1/015 (2006.01)**
[25] EN
[54] **ANIMAL CONTAINMENT ENRICHMENT COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS ET PROCEDES D'ENRICHISSEMENT DE CONFINEMENT D'ANIMAUX**
[72] SPETER, GILLES, US
[72] JENSON, LEROY, US
[71] INNOVIVE, INC., US
[22] 2015-07-15
[41] 2016-01-28
[62] 2,956,152
[30] US (62/029,359) 2014-07-25
[30] US (62/108,472) 2015-01-27

[21] **3,185,962**
[13] A1
[25] EN
[54] **ELECTRICAL METHODS AND SYSTEMS FOR CONCRETE TESTING**
[54] **PROCEDES ET SYSTEMES ELECTRIQUES POUR ESSAIS SUR BETON**
[72] ALIZADEH, ROUHALLAH, CA
[72] GHODS, POURIA, CA
[72] GHODS, AMIR HOSEIN, CA
[72] SALEHI, MUSTAFA, CA
[71] GIATEC SCIENTIFIC INC., CA
[22] 2015-05-13
[41] 2015-11-19
[62] 3,122,674
[30] US (61/992,364) 2014-05-13

[21] **3,186,147**
[13] A1
[25] EN
[54] **FACIAL RECOGNITION AUTHENTICATION SYSTEM INCLUDING PATH PARAMETERS**
[54] **PROCEDE D'AUTHENTIFICATION DE RECONNAISSANCE FACIALE COMPRENANT DES PARAMETRES DE CHEMIN**
[72] TUSSY, KEVIN ALAN, US
[71] TUSSY, KEVIN ALAN, US
[22] 2015-08-27
[41] 2016-02-28
[62] 2,902,093
[30] US (62/043224) 2014-08-28
[30] US (62/054847) 2014-09-24
[30] US (62/064415) 2014-10-15
[30] US (62/085963) 2014-12-01
[30] US (62/101317) 2015-01-08
[30] US (62/139558) 2015-03-27
[30] US (62/188584) 2015-07-03

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[21] **3,186,200**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR RADIO FREQUENCY CALIBRATION EXPLOITING CHANNEL RECIPROCITY IN DISTRIBUTED INPUT DISTRIBUTED OUTPUT WIRELESS COMMUNICATIONS**
[54] **SYSTEMES ET METHODES POUR L'ETALONNAGE DE RADIOFREQUENCE EXPLOITANT LA RECIPROCITE DE CANAUX DANS LES COMMUNICATIONS SANS FIL A ENTREES DISTRIBUEES ET A SORTIES DISTRIBUEES**
[72] FORENZA, ANTONIO, US
[72] SAIBI, FADI, US
[72] PITMAN, TIMOTHY A., US
[72] PERLMAN, STEPHEN G., US
[71] REARDEN, LLC, US
[22] 2014-03-12
[41] 2014-09-25
[62] 3,123,064
[30] US (13/844,355) 2013-03-15

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[21] **3,186,224**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR SELECTING A DRILLING PATH BASED ON COST**
[54] **SYSTEME ET PROCEDE POUR SELECTIONNER UN CHEMIN DE FORAGE SUR LA BASE D'UN COUT**
[72] BENSON, TODD W., US
[72] BURKHART, JOHN, US
[72] CHEN, TEDDY C., US
[71] MOTIVE DRILLING TECHNOLOGIES, INC., US
[22] 2014-06-24
[41] 2014-12-31
[62] 2,914,961
[30] US (61/839,731) 2013-06-26
[30] US (14/067,390) 2013-10-30

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[21] **3,186,394**
[13] A1
[25] EN
[54] **APPARATUS AND PROCESS FOR SEPARATION AND SELECTIVE RECOMPOSITION OF IONS**
[54] **APPAREIL ET PROCEDE DE SEPARATION ET DE RECOMPOSITION SELECTIVE DES IONS**
[72] YAZDANBOD, AZAROGHLY, CA
[71] IONIC SOLUTIONS LTD., US
[22] 2011-10-21
[41] 2012-04-26
[62] 2,853,027
[30] US (61/455,516) 2010-10-22
[30] US (61/572,413) 2011-07-18

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[21] **3,186,475**
[13] A1
[25] EN
[54] **TRANSACTION MESSAGING**
[54] **MESSAGERIE TRANSACTIONNELLE**
[72] SULLIVAN, BRIAN, GB
[71] VISA EUROPE LIMITED, GB
[22] 2015-10-26
[41] 2016-04-28
[62] 2,965,445
[30] GB (1419016.9) 2014-10-24

Index of Canadian Patents Issued

January 31, 2023

Index des brevets canadiens délivrés

31 janvier 2023

10353744 CANADA LTD. 2,987,499
10353744 CANADA LTD. 2,987,690
10353744 CANADA LTD. 2,987,692
10353744 CANADA LTD. 2,993,050
10353744 CANADA LTD. 2,993,071
10353744 CANADA LTD. 2,993,105
10353744 CANADA LTD. 2,993,254
10353744 CANADA LTD. 2,993,455
10353744 CANADA LTD. 2,993,681
10353744 CANADA LTD. 2,995,912
10353744 CANADA LTD. 3,022,626
10353744 CANADA LTD. 3,025,842
10353744 CANADA LTD. 3,025,890
10353744 CANADA LTD. 3,036,750
10353744 CANADA LTD. 3,058,598
10353744 CANADA LTD. 3,062,494
10353744 CANADA LTD. 3,082,139
10353744 CANADA LTD. 3,124,246
10X GENOMICS, INC. 2,900,543
3SHAPE A/S 3,097,483
AAHLAD, YETURU 3,060,499
AAS-ENG, ANNE 3,090,088
ABB SCHWEIZ AG 2,910,631
ABBATE, ERIC 3,139,124
ABL IP HOLDING LLC 2,930,538
ABOU-SAYED, AHMED 3,051,231
ABOU-SAYED, OMAR 3,051,231
ABRAMOVICH, SAGI 3,025,651
ACCELERCOMM LTD 3,069,482
ACCENTURE GLOBAL SOLUTIONS LIMITED 2,988,936
ACHARYA, ANANTA 3,154,163
ACHESON, DIANNE 3,045,572
ACTINIUM PHARMACEUEUTICALS, INC. 2,986,622
ADAMS, CHRISTOPHER STEVEN 3,048,700
ADVANSIX RESINS & CHEMICALS LLC 3,076,140
ADVANTAGE THERAPEUTICS, INC. 2,946,928
ADVANTEK INTERNATIONAL CORPORATION 3,051,231
AGERTON, MARK LEWIS 3,102,383
AHN, JOONKUI 2,967,281
AKHTAR, NAEEM 3,060,499
AKINTOYE, MUYIWA 2,973,104
AL-KOFAHI, KHALID 3,060,498
AL-OTAIBI, MOHAMMED 3,050,924
AL-YOUSEF, ALI ABDALLAH 3,050,924
ALEXANDERSEN, SVEIN 3,090,088
ALL PACKAGING COMPANY LLC 2,964,207
ALMAC DISCOVERY LIMITED 2,933,755
ALTING, AART CORNELIS 2,975,672
ALTRIA CLIENT SERVICES LLC 2,942,870
AMARLOO, HADI 3,153,389
AMBRX, INC. 2,927,595
AMBRX, INC. 3,005,835
AMGEN INC. 2,981,687
AMO GRONINGEN B.V. 2,942,202
ANDRADE, ISAAC 3,069,482
ANGERS, STEPHANE 3,012,720
ANTELO, RANDY THOMAS 3,118,123
ANTONELLO, PAOLO 2,910,631
ANTONSEN, SEBASTIAN BUCH 3,095,401
ARCELORMITTAL 3,121,319
ARCUTIS BIOTHERAPEUTICS, INC. 3,153,934
ARORA, TARUNA 2,981,687
ARRIS ENTERPRISES LLC 3,042,076
ASHKENAZI, OMER 3,025,651
ASIWAJU, OLATUNJI 3,020,762
AVERY DENNISON CORPORATION 3,099,249
AVITAL, DAN 3,025,651
AXXAM S.P.A. 2,938,703
BABA, TATSUROU 3,097,151
BACQUE, JAMES BENSON 3,084,546
BACZUK, ERIC 2,933,143
BAE, EUN-DAE 2,960,472
BAE, JAE-HYEON 3,084,534
BAKER HUGHES HOLDINGS LLC 3,094,618
BAKER HUGHES HOLDINGS LLC 3,105,144
BANSAL, AMITABH 2,961,252
BARRETT, PHILIP A. 3,048,081
BARTHOLOMEW, ERIC L. 3,099,249
BARTON, MICHAEL 2,933,143
BASU, DEEPASHREE 2,988,936
BEATTIE, JAMES KENNETH 2,996,461
BEAUVAIS, MARTIN 3,121,319
BECHER, BURKHARD 3,101,783
BEIJING DABEINONG BIOTECHNOLOGY CO., LTD. 2,975,762
BELANGER, INC. 2,940,130
BELANGER, MICHAEL J. 2,940,130
BENDELE, TRAVIS HENRY 3,048,700
BEREZIKOV, EUGENE 2,804,599
BERG, NICHOLAS A. 3,169,062
BERINSTEIN, NEIL L. 2,908,042
BERK, DAVID 3,153,934
BESANT, ROBERT W. 3,046,529
BICKEL, JON A. 3,048,318
BICKEL, JON A. 3,048,353
BIESAK, JOHN 3,079,183
BITON, DROR 3,105,930
BJORNSTAD, VIDAR 2,949,328
BL TECHNOLOGIES, INC. 2,886,469
BLACK, SHANNON MAXWELL 2,942,870
BLOCK, GARETH 3,051,231
BLUESHIFT MATERIALS, INC. 3,100,270
BOAZ, NATHAN M. 2,988,936
BODWELL, JESSE T. 3,075,014
BOOKBINDER, DANA CRAIG 3,061,514
BOON, CHOONG SENG 3,118,999
BOREALIS AG 2,968,161
BORG, ZAKARY JAMES 3,102,811
BOTANSKY, HAGAY 3,105,930
BOURGET, CHRISTIAN 3,176,508
BOWEN, ADAM 2,845,090
BP EXPLORATION OPERATING COMPANY LIMITED 3,020,007
BRADLEY, DONALD ALBERT 3,118,123
BRAUN, ALEXANDER L. 3,087,681
BRAUN, ALEXANDER LOUIS 3,075,682
BREJZA, MATTHEW 3,069,482
BROMBACH, JOHANNES 3,017,565
BROOUN, ALEXEI 3,090,482
BRUGGER, DR., WILHELM 3,119,689
BRUSH, JAMES 2,961,220
BUHLER UK LIMITED 3,011,787
BULLOCH, ERIC BRANCH 3,144,475
BUMB, PRATEEK 2,985,846
BURGSTALLER, JURGEN 3,016,230
BURKAMP, FRANK 2,933,755
BURKE, WILLIAM J. 2,942,870
BYRNE, DON 3,048,700
C.I. TAKIRON CORPORATION 2,991,019
CABOT CORPORATION 3,062,139
CAI, HAIYING 2,935,767
CAI, YU 2,989,195
CAMPBELL, BRIAN 3,155,121
CANON KABUSHIKI KAISHA 3,006,479
CANOVAS VIDAL, CARMEN 2,942,202
CAO, GUANG 2,983,038
CARBON CLEAN SOLUTIONS LIMITED 2,985,846
CAREGEN CO., LTD. 3,074,790
CAREW, CHRISTOPHER 3,049,651
CARROLL, ANDREW NATHAN 2,942,870
CELENTANO, MICHAEL J. 3,097,977
CELLECTIS 2,930,784
CERNOHOUS, JEFFREY JACOB 3,019,609
CHA, DONG, KYU 3,050,924
CHAMBERS, CHRISTOPHER 2,964,207

CHANDRAN, RAJIV 2,988,936
CHANG, THERESA 3,061,514
CHARLOTTE'S WEB, INC. 3,155,121
CHARNAUX, SUSAN M. 2,988,936
CHAWAN, ARUN D. 3,075,014
CHEN, PING 3,090,482
CHEN, TAIHAI 3,069,482
CHEN, XIAOCHENG 3,055,708
CHENG, HENGMIAO 3,090,482
CHOI, JAESUN 3,062,139
CHOI, YOUNG HEE 3,108,029
CHRISTOFFERSON, RANSOM 3,156,555
CHUNG, YONG JI 3,074,790
CHURCHILL, ANDREW PHILIP 2,945,405
CICOIRA, FRANCO 2,953,151
CIDRA CORPORATE SERVICES INC. 3,079,183
CIENA CORPORATION 3,176,508
CIGLER, PETR 3,154,983
CLARKE, JOHN T. 2,989,330
CLARKE, THEIS F. 3,062,139
CLAY, MICHAEL 3,139,124
CLINICAL GENOMICS PTY LTD 3,083,314
COGEN, JEFFREY 2,989,195
COINPLUG, INC. 3,049,761
COLGROVE, JAMES R. 3,064,610
COLLINS, DAVID E. 3,075,014
COLLINS, MICHAEL RAYMOND 3,090,482
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION 3,083,314
CONSTANTINIDES, IOANNIS CONSTANTINE 3,102,383
CORETRAX GLOBAL LIMITED 2,945,405
CORNING INCORPORATED 3,061,514
CRABTREE, ALEX 3,123,536
CRANE PUMPS & SYSTEMS PFT CORP. 3,123,536
CREASEY, GRAHAM HAROLD 3,082,390
CUBE INVESTMENTS LIMITED 3,110,099
CUNNINGHAM, J. VERN 3,110,099
CUVO, ANTHONY J. 3,090,856
CYPHER MEDICAL, LLC 3,049,651
D'AOUST, MARC-ANDRE 2,936,350
DAIKIN INDUSTRIES, LTD. 3,157,224
DALE, JAMES D. 3,075,014
DANIELSON, PAUL STEPHEN 3,061,514
DARBYSHIRE, MEREDITH 2,997,198
DART CONTAINER CORPORATION 3,035,560
DAVE, KAUSHIK J. 2,986,622
DAVID, ELI 3,130,047
DAVIS, MICHAEL A. 3,079,183
DEEFHOLTS, BENEDICT 3,011,787
DEEPCUBE LTD. 3,130,047
DEGUDENT GMBH 3,073,898
DEKA PRODUCTS LIMITED PARTNERSHIP 3,075,014
DELISO, JOSEPH A. 2,987,859
DELSANTRO, MARK VINCENT 3,119,614
DELTA FAUCET COMPANY 3,054,500
DEMARTINO, STEVEN EDWARD 3,061,514
DEMERS, JASON A. 3,075,014
DEMOSS, DAVID 3,060,498
DENNIS, MARK S. 3,055,708
DENTSPLY SIRONA INC. 3,073,898
DEPUY SYNTHES PRODUCTS, INC. 2,953,151
DERRICK CORPORATION 3,064,610
DESKEVICH, ADAM 2,987,859
DESSEAUX, CAROLE 2,930,784
DHOPATKAR, NISHAD 3,099,249
DICKE, RENE 2,968,161
DINOVI, CHRISTOPHER JOSEPH (DECEASED) 2,942,870
DIVAN, DEEPAKRAJ M. 3,056,769
DJERDJEV, ALEX MASATO 2,996,461
DMD MARKETING LP 2,997,198
DODGE, TRAVIS J. 2,933,143
DOLE, DOUGLAS R. 3,090,856
DOSENTRX LTD 2,987,640
DOSHI, DAVAL 3,062,139
DOW GLOBAL TECHNOLOGIES LLC 2,989,195
DRIVER, RUSSELL 2,927,595
DRIVER, RUSSELL 3,005,835
DRUKE, MICHAEL BERNARD 3,082,390
DUKE, GREG 2,935,767
DUMONT, ALICE 3,121,319
DUPERIER, HAROLD T., III 3,049,651
E. I. DU PONT DE NEMOURS AND COMPANY 2,966,731
EADS, THAD J. 3,054,500
EBENS, ALLEN J., JR. 3,055,708
ECHTER, NICHOLAS PAUL 3,056,795
EFTEKHARI, AMIR 3,088,693
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 3,074,404
ELIASSEN, TRYGVE MEUM 3,090,088
ELLIOTT, DEAN JUSTIN 3,019,609
ENEZI, SULTAN 3,050,924
ENGLEMAN, EDGAR G. 3,000,985
ERB, BLAKE 3,046,529
ESIGHT CORP. 3,084,546
EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG 3,065,877
EWONIUK, AARON 3,012,489
EXXONMOBIL CHEMICAL PATENTS INC. 2,983,038
F. HOFFMANN-LA ROCHE AG 3,097,977
FADEEV, ANDREI GENNADYEVICH 3,061,514
FAN, XIAOCHUN 2,966,731
FANGET, ALAIN 2,967,155
FARLEY, KEVIN ALIKA 3,114,344
FCP FUEL CELL POWERTRAIN GMBH 3,142,093
FECHER, STEFAN 3,073,898
FELLOWS, RYAN PAUL 3,160,231
FERGUSON, DAVID GEORGE 3,099,760
FIGINI, ATTILIA 3,111,577
FINLAYSON, TREVOR 3,090,073
FINNIGAN, TIMOTHY 2,973,104
FIORAVANTI, EMILIO 2,971,506
FISCHER, FABIENNE 2,953,151
FISKER, RUNE 3,097,483
FITZPATRICK, CRAIG 2,994,327
FLASINSKI, STANISLAW 3,064,633
FLASINSKI, STANISLAW 3,064,703
FLASINSKI, STANISLAW 3,064,704
FLSMIDTH A/S 2,977,255
FOAT, BARRETT C. 3,064,633
FOAT, BARRETT C. 3,064,703
FOAT, BARRETT C. 3,064,704
FOLTZ, IAN 2,981,687
FONT VENTURA, MARC 2,970,768
FOODY, BRIAN 2,953,162
FOODY, PATRICK J. 2,953,162
FORDYCE, EUAN ALEXANDER FRASER 2,938,924
FOX, RICHARD 3,139,124
FRANKLIN ARMORY HOLDINGS, INC. 3,160,231
FREEMAN, GLENN 2,930,538
FRIESLANDCAMPINA NEDERLAND B.V. 2,975,672
FRISCH, RYAN L. 2,966,731
FROSTBYTE, LLC 3,156,555
FUCHS, JON TODD 3,169,062
FUELCELL ENERGY INC. 3,107,513
FUELCELL ENERGY INC. 3,107,519
FUJIBAYASHI, AKIRA 3,118,999
FUKUDA, SEIJI 3,007,472
FUMAGALLI, TIZIANO 3,111,577
FUMIMOTO, TAKUYA 3,157,224
FUTTER, JEREMIAH JASON 3,169,062
GABRIEL, MICHAEL RICHARD 3,088,693
GALLAWAY, RODNEY 3,144,475
GANNON, AMANDA MARIE 3,154,163
GATES CORPORATION 3,062,543
GENEFRONTIER CORPORATION 2,927,525
GENENTECH, INC. 3,055,708
GENERAL ELECTRIC COMPANY 3,118,123
GENERAL ELECTRIC TECHNOLOGY GMBH 2,967,155
GEORGIA TECH RESEARCH CORPORATION 3,056,769
GEVA, AVNER 2,967,241
GHEZZI, LUCA 2,910,631
GHOUSSOUB, YARA 3,099,249
GIBOT, ALEXANDRE 3,121,319
GILGER, ERIC 2,964,207
GINN, RICHARD S. 3,082,091
GIOVANELLI, ALESSIO 2,971,506
GLEASON, MARK 2,997,198
GODA, YUKIHIRO 3,110,511
GODEC, RICHARD DOUGLAS 2,886,469
GOJO INDUSTRIES, INC. 2,940,525
GOLODETZ, GALIA 3,025,651
GOMMANS, WILLEMIJN MARIA 2,804,599

GRANEGGER, MARCUS 2,961,963
GRANT, KEVIN L. 3,075,014
GRANTZ SASKOVA, KLARA 3,154,983
GROENEWEG, BASTIAAN RINKE ANTONY 3,139,472
GROLL, HENNING 3,097,977
GRUDO, DINA 3,048,700
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,090,448
GUNNES, SOLVI 2,949,328
GUO, HENA 3,154,163
GUO, MAO ZHEN 2,961,220
HAAS, EARL 3,090,856
HADASIT MEDICAL RESEARCH SERVICES & DEVELOPMENT LIMITED 2,926,575
HALLIBURTON ENERGY SERVICES,INC. 3,100,136
HAMERSKY, MARK WILLIAM 3,074,394
HAMMER, AARON 3,094,618
HANBAUER, MARTIN 3,111,577
HARDENBOL, PAUL 2,900,543
HARLAMERT, JOHN 2,997,198
HARLEY, JAMES 3,176,508
HARMS, DAVID CHRISTOPHER 3,087,681
HARNESK, ANDREAS 3,144,475
HARRIS, KELLY A. 2,988,936
HARRIS, MARK 3,084,546
HARRISON, TIMOTHY 2,933,755
HARVEY, DAVID B. 3,142,093
HASTING, WILLIAM HOWARD 3,118,123
HAWKETT, BRIAN STANLEY 2,996,461
HAYES, KEVIN 3,154,163
HAYWARD, CHRISTOPHER SIMON 2,961,963
HAZELIP, GARY LYNN 3,100,136
HE, GUOYING 3,162,528
HEARTWARE, INC. 2,961,963
HELD, DANIEL 3,139,124
HEMINGSON, HOWARD 3,046,529
HEUER, TIMOTHY 2,935,767
HEWITT, PETER ROBIN 2,933,755
HEXION INC. 2,961,252
HILDEBRAND, PETER 3,111,577
HINDSON, BENJAMIN 2,900,543
HINDSON, CHRISTOPHER 2,900,543
HINKEY, ROBERT T. 3,099,760
HIPRA SCIENTIFIC, S.L.U. 2,970,768
HISANO, MASATO 3,006,479
HOFMEYR, PIERRE KAREL 2,977,255
HOHENSTEIN, BOYNE FRIEDERICH 2,977,255
HOLLISTER INCORPORATED 2,989,330
HONG, JAY WU 3,049,761
HONG, SEUNG-PYO 2,966,731
HORHOLD, HEINER 3,073,898
HORTON, ANDREW JOSEPH 3,102,383
HOSOKAWA, HIROSHI 3,039,367
HOWMEDICA OSTEONICS CORP. 3,114,344
HU, LILY W. 2,935,767
HU, SHAW-FEN SYLVIA 2,981,687
HUANG, LIANG 2,956,431
HUGHES NETWORK SYSTEMS, LLC 2,963,119
HUNTER, BRADLY 3,104,897
HUNTER, KRISTA 2,845,090
HUR, NAM-HO 3,074,404
HURWITZ, JOEL 3,060,498
HUTH, BIANCA 3,065,877
HWANG, DAESUNG 2,967,281
HWANG, SUNG-HEE 3,084,534
IKEGAYA, RYOJI 2,918,604
IKEGUCHI, HIROSHI 3,039,367
IMMUNOVACCINE TECHNOLOGIES INC. 2,908,042
INSCRIPTA, INC. 3,139,124
INSTITUT NATIONAL D'OPTIQUE 3,170,485
INTELLISENSE SYSTEMS, INC. 3,013,934
INTERNA TECHNOLOGIES BV 2,804,599
INTUIT INC. 3,088,693
INVIDX CORP. 3,115,694
IOGEN CORPORATION 2,953,162
ISEKI, TAKASHI 3,110,511
ITAGAKI, TAKESHI 2,953,541
IWALKFREE, INC. 3,104,897
JACKSON, ETHEL NOLAND 2,966,731
JACOBSON, JAY LEONARD 3,160,231
JAHNKE, FRED C. 3,107,513
JAHNKE, FRED C. 3,107,519
JANG, JAE-HYUK 2,961,456
JANKO, PAVEL 3,099,249
JAROSZ, MIRNA 2,900,543
JENSEN, JACOB WAGNER 3,095,401
JEON, BYEONG MOON 3,108,029
JEON, YONG JOON 3,108,029
JEONG, KYEONG-IN 2,961,456
JFE STEEL CORPORATION 3,051,387
JHAWAR, KUSH K. 2,988,936
JOHNSON, RUSSELL J. 2,935,767
JOHNSTON, NATHAN 3,156,555
JOJIC, SINISA 3,016,230
JONES, FRANK 3,084,546
JONG, JAMES 2,963,119
JONG, TERRE-BLANCHE DE 2,977,255
JOSEPH, DANIEL R. 3,071,342
JUNTTILA, TEEMU T. 3,055,708
JUUL LABS, INC. 2,845,090
KAMEN, DEAN 3,075,014
KAN, SHELBY L. 2,988,936
KANAUCHI, ATSUSHI 2,970,592
KANDULA, RAJENDRA PRASAD 3,056,769
KANG, HONG-JOO 2,960,472
KARTHOLL, MATTHEW VICTOR 3,114,344
KARUSSIS, DIMITRIOS 2,926,575
KASSIS, IBRAHIM 2,926,575
KATO, SHUNJI 3,039,367
KEIO UNIVERSITY 2,927,525
KELF, TIMOTHY 3,011,787
KELLEY, ROBERT A. 2,978,933
KELLEY, ROBERT F. 3,055,708
KIKUCHI, KENJI 3,039,367
KIM, EUN MI 3,074,790
KIM, HEUNG-MOOK 3,074,404
KIM, JUNG SUN 3,108,029
KIM, SANG-BUM 2,961,456
KIM, SOENG-HUN 2,961,456
KINDSTRAND, DANIEL HUGH 3,080,378
KING, CHADWICK TERENCE 2,981,687
KING-UNDERWOOD, JOHN 2,938,924
KLEMZ, ROMAN 3,012,561
KLITTICH, MENA R. 3,099,249
KNOLL, INC. 2,987,859
KO, BYUNG-HWAN 2,960,472
KOBAYASHI, AKIO 3,051,387
KOBAYASHI, JUN-ICHI 3,110,511
KOCH, KEVIN 3,060,498
KOCH, TORBEN 2,949,328
KOEPKE, RYAN D. 3,114,344
KOHLER, CHRISTOPHER E. 3,099,249
KOJOH, KANEHISA 2,927,525
KOLDAN, KENNETH 3,100,270
KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN 2,804,599
KOSCHINAT, LARS 3,065,877
KOTRYCH, JERRY A. 2,940,130
KOWTUN, ALEXANDER 3,065,877
KRISHNAMURTHY, NANDINI 3,139,124
KROUSE, KATHERINE 3,139,124
KRUZIKOVA, ZUZANA 3,154,983
KUPERWASSER, JOSE 3,025,651
KUTZNER, MARTIN 3,073,898
KWON, SUN-HYOUNG 3,074,404
LAI, WENYIH F. 2,983,038
LAMBDIN, NICOLE 3,100,270
LAMBRECH, MATTHEW 3,107,513
LAMBRECH, MATTHEW 3,107,519
LANDA LABS (2012) LTD. 3,025,651
LANDA, BENZION 3,025,651
LANGER, MARTIN 2,953,151
LANGNES, TOMMY 3,020,007
LAPELOSA, MICHELE 2,957,310
LAPOINTE, LAWRENCE 3,083,314
LAROSA, MONICA A. 2,988,936
LARSON, CRAIG 3,060,498
LASKOWSKI, ROBYN LYNN 3,154,163
LAVOIE, PIERRE-OLIVIER 2,936,350
LEE, HYUNHO 2,967,281
LEE, JAE-YOUNG 3,074,404
LEE, SEUNGMIN 2,967,281
LEVY, KENT 3,110,058
LG ELECTRONICS INC. 2,967,281
LG ELECTRONICS INC. 3,108,029
LI, CHENGTAO 3,035,560
LI, JIAN 3,162,528
LI, JINZHOU 3,162,528
LI, WEI 2,989,195
LI, YANG 2,981,687
LIANG, LIKAN 3,111,577
LIAO, YUANXI 2,956,431
LIBERATI, CHIARA 2,938,703
LIGHT, MARC 3,060,498
LIM, JAE HYUN 3,108,029

Index des brevets canadiens délivrés
31 janvier 2023

LING, JIAN 3,049,651
LINTEREUR, LOUIS J. 3,096,949
LINTON, MARIA ANGELICA 3,090,482
LIPMAN, ROI 3,140,362
LIU, JUNJIE 2,927,595
LIU, JUNJIE 3,005,835
LOGAN, DANIELLE L. 2,988,936
LOH, ALAN E. 3,082,390
LOHMER, STEFAN 2,938,703
LOLOI, MEHDI 3,051,231
LONGSHAW, ALISTAIR IAN 2,938,924
LOOSE, DOUGLAS H. 3,079,183
LUTRON TECHNOLOGY COMPANY LLC 3,078,081
LUYTEN, JOHANNA MARIA JOZEFA GEORGINA 2,975,672
MACADAM, RUSSELL L. 3,078,081
MACKO, JASON ANDREW 2,942,870
MACLEAN, BRIAN 3,019,609
MADARA, SCOTT D. 3,090,856
MADERNA, ANDREAS 3,090,482
MADISON, EDWIN L. 3,067,851
MAGNESIUM PRODUCTS OF AMERICA, INC. 3,111,623
MAMAK, MARC ANDREW 3,102,383
MANDLER, MARKUS 2,946,928
MANSOUR, MARC 2,908,042
MARCEK, GEOFFREY A. 3,075,014
MARLOW FOODS LIMITED 2,973,104
MARSHALL, AARON D. 2,940,525
MARTINSEN, BERNT 3,090,088
MASQUELIER, DONALD 2,900,543
MATERIAL HANDLING SYSTEMS, INC. 3,169,062
MATHIEU, MARY A. 3,055,708
MATTNER, FRANK 2,946,928
MATYS, TYLER 2,928,993
MAUGHAN, KEVIN BRADON 3,144,475
MAUNDER, ROBERT 3,069,482
MCCARTHY, PATRICK 2,956,431
MCEWAN, ROBERT EBOW 3,154,163
MCKENZIE, JAMES HARRISON 2,987,859
MEDICAGO INC. 2,936,350
MEDISPOSE LLC 3,107,022
MEDIVATORS INC. 3,048,700
MEDTRONIC MINIMED, INC. 3,096,949
MEDTRONIC, INC. 3,082,091
MEIKE, ROGER 3,088,693
MELANDER, CLAES 2,949,328
MELANSON, PAUL CHARLES 2,886,469
MELCZER, THOMAS 3,142,093
MELLOR, RONALD LEE, JR. 3,102,811
MENEYROL, JEROME 2,963,601
METZLER, DARWIN H. 2,997,095
MEYER-BRODNITZ, GIDEON 2,967,241
MIAO, ZHENWEI 2,927,595
MIAO, ZHENWEI 3,005,835
MICROSOFT TECHNOLOGY LICENSING, LLC 2,955,615
MIEL, HUGUES 2,933,755
MILFORD, MATTHEW A. 3,042,076
MILGARD MANUFACTURING LLC 2,933,143
MILLER, BRANDON S. 3,099,249
MILLER, DAVID M. 3,051,896
MILLER, DYLAN 3,012,489
MILLER, WILLIAM S. 2,961,220
MITRASSIST MEDICAL LTD. 2,967,241
MITSUISHI, KAORI 3,039,367
MIYABE, SHIGEO 3,006,479
MIYAKOSHI, AKIRA 2,927,525
MOCHIZUKI, SATSUKI 2,927,525
MODMAB THERAPEUTICS CORPORATION 3,012,720
MOESLINGER, SIGRID 2,987,859
MOFFAT, JASON 3,012,720
MOLLENHAUER, FRANK 3,065,877
MOLLOY, PETER 3,083,314
MOMENTIVE PERFORMANCE MATERIALS INC. 2,961,252
MONIRABBASI, SALMAN 3,096,949
MONSANTO TECHNOLOGY LLC 3,064,633
MONSANTO TECHNOLOGY LLC 3,064,703
MONSANTO TECHNOLOGY LLC 3,064,704
MONSEES, JAMES 2,845,090
MONTES DE OCA BALDERAS, HORACIO 2,989,330
MOORE, STEVEN K. 3,097,977
MORE, PRAVIN 3,064,494
MORENA, ROBERT MICHAEL 3,061,514
MORIOKA, MASANARI 3,006,479
MOSCATO, FRANCESCO 2,961,963
MOSS, THOMAS, III 3,062,543
MOTA SALINAS, ANA LILLIA 2,968,161
MOTEJO. LTD 2,970,592
MOUSAVI, REZA 2,973,104
MYALL, PATRICK 2,845,090
NAGATA, ASAKO 3,090,482
NAGEL, KRISTEN M. 2,988,936
NAGRANI, VIKRAM 3,156,555
NAKAMURA, MIKIKO 2,927,525
NAKAMURA, NAOMICHI 3,051,387
NAOR, GIL 2,967,241
NARAYANAN, VENKAT 2,955,615
NAZIR, ZARGHUN 3,111,577
NEELIESETTY, GOPI KIRAN 2,985,846
NEER, KIRK 3,123,536
NESS, KEVIN 2,900,543
NETA, YIFTAH 2,967,241
NETO, CHIARA 2,996,461
NEUFARTH, BRADLEY SCOTT 3,102,383
NEUROSTIM OAB, INC. 3,082,390
NGUYEN, KHOA DINH 3,000,985
NIKITENKO, ANTONINA 2,961,252
NIU, XIAOGUANG 2,975,762
NOETIC TECHNOLOGIES INC. 3,067,901
NOMURA, YOSHIHIDE 3,157,224
NONBOE, SVEN 3,097,483
NORMAN, THEA 2,927,595
NORMAN, THEA 3,005,835
NOROTOS, INC. 3,113,678
NORTEK AIR SOLUTIONS CANADA, INC. 3,046,529
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,075,682
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,087,681
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,099,760
NOVIKOV, SERGEY S. 3,099,760
NOVITSKY, MICHAEL R. 3,090,856
NOVOMATIC AG 3,016,230
NTT DOCOMO, INC. 3,118,999
NUVO RESIDENTIAL, LLC DBA NUVOH2O 3,035,335
O'BRIEN, BEATRICE T. 3,086,196
O'BRIEN, ROBERT 3,094,618
O'DONNELL, KERRY L. 3,099,249
O'DOWD, COLIN RODERICK 2,933,755
O'FARRELL, MARIE 2,935,767
OBAYASHI, MASAYUKI 2,991,019
OH, YOUNG-HO 3,084,534
OHOL-GUPTA, YAMINI 2,935,767
OIKE, TAKAYUKI 2,991,019
OJHA, SMITA 2,955,615
OKADA, RYOHEI 3,157,224
OKADA, SHUJI 3,110,511
OKADA, YASUNORI 2,927,525
OKSENGENDLER, ALEX 2,930,538
ONBOARD DYNAMICS, LLC. 3,056,795
ONIONS, STUART THOMAS 2,938,924
ORBETA, FERDINAND E. 3,027,144
OREGON PRECISION INDUSTRIES, INC. DBA PAKTECH 3,102,811
OSBORNE, DAVID W. 3,153,934
OUFATTOLE, MOHAMMED 3,064,633
OUFATTOLE, MOHAMMED 3,064,703
OUFATTOLE, MOHAMMED 3,064,704
OUNI, TUOMAS 2,968,161
OVEIS GHARAN, SHAHAB 3,176,508
PACKSIZE LLC 3,144,475
PAGECLOUD INC. 2,994,327
PAL, SANTONA 3,061,514
PALMER, CYNTHIA 3,090,482
PALMER, JAMES E., III 3,107,022
PAN, GUOHUA 3,012,720
PANCHEVA, SVETLANA 2,970,804
PANCHEVRE, IAN 3,088,693
PANG, JIE 2,975,762
PAQUET, ALEX 3,170,485
PARENT, JOSEPH T. 3,078,081
PARK, HANJUN 2,967,281
PARK, JOON YOUNG 3,108,029
PARK, SEUNG WOOK 3,108,029
PARK, SUNG-IK 3,074,404
PARKER, BRAD ALAN 3,114,344
PARKIN, MICHAEL 3,060,499
PATEL, HARISH A. 3,045,572
PAULEY, JAMES L. 3,097,977
PAZ, ILAN 2,987,640
PEACE, EDWIN 3,019,609
PEANASKY, JOHN STEPHEN 3,061,514
PEDERSEN, SUSANNE 3,083,314
PENTLAND, IAN 3,088,693
PERFO TEC B.V. 3,139,472
PERLADE, ASTRID 3,121,319

Index of Canadian Patents Issued
January 31, 2023

PESENTI, CRISTINA 2,938,703
PESETSKI, AARON A. 3,099,760
PEVARELLO, PAOLO 2,938,703
PFIZER INC. 3,090,482
PHARMAQ AS 3,090,088
PHILLIPS, DAVID 2,942,870
PIERS, PATRICIA ANN 2,942,202
PILOT POLYMER TECHNOLOGIES, INC. 2,956,431
PINNOW, MATTHEW 2,961,252
PIONEER HI-BRED INTERNATIONAL, INC. 3,154,163
PLANKEN, SIMON 3,090,482
PLOY, GERNOT 3,119,689
POE, GARRETT 3,100,270
POELL, JOS BERNARD 2,804,599
POHJOLA, HEIKKI ANTERO 2,939,547
PONS MOLL, JOAN CARLES 2,970,768
PONTONIO, STEVEN J. 3,048,081
POPKOV, MIKHAIL 3,067,851
PRANDI, ADOLFO 2,938,703
PRAXAIR TECHNOLOGY, INC. 3,048,081
PRECISION PLANTING LLC 3,110,058
PRENDERGAST, JONATHON R. 3,113,678
PRESCOTT, SHANNON 3,075,014
PREVOST, GREGOIRE PIERRE ANDRE 2,804,599
PRIYANANDA, PRAMITH 2,996,461
PRZYBYSZ, ANTHONY JOSEPH 3,099,760
PUJOL PRAT, MARIA GLORIA 2,970,768
QUANTUM VALLEY IDEAS LABORATORIES 3,153,389
RAMAKRISHNA, MANJUNATHA 3,080,378
RAMIREZ-SERRANO, JAIME 3,153,389
RASMUSSEN, JEFFREY L. 3,144,475
RAVISHANKAR, CHANNASANDRA 2,963,119
RECEVEUR, PAUL 3,169,062
REDIS LTD 3,140,362
REGUILLO CARMONA, REBECA 2,968,161
RENESCIENCE A/S 3,095,401
RESPIVERT LIMITED 2,938,924
RICKARD, JERRAD 2,997,198
RICOH COMPANY, LIMITED 3,039,367
RISI STONE INC. 2,928,993
ROCCI, MIRKO 2,953,151
RODE, MARIT 3,090,088
ROLLMAN, NICHOLAS S. 2,983,038
RONSCH, GEORG ORNSKOV 3,095,401
ROSEN, ROBERT 2,942,202
ROSKO, MICHAEL SCOT 3,054,500
RUBIN, ERI 3,130,047
S.A. ARMSTRONG LIMITED 3,020,762
SADOVSKY, ART 2,955,615
SAGIMET BIOSCIENCES INC. 2,935,767
SAKAGUCHI, ALAN 3,100,270
SAKODA, KAZUYUKI 2,953,541
SAMPSON, MARK 2,970,804
SAMSOONDAR, JAMES 3,115,694
SAMSUNG ELECTRONICS CO., LTD. 2,960,472
SAMSUNG ELECTRONICS CO., LTD. 2,961,456
SAMSUNG ELECTRONICS CO., LTD. 3,084,534
SANOFI 2,963,601
SATO, MASANORI 2,953,541
SAUDI ARABIAN OIL COMPANY 3,050,924
SAUPE, TIM 3,062,543
SAXONOV, SERGE 2,900,543
SCHAAPVELD, ROELAND QUIRINUS JOZEF 2,804,599
SCHARENBERG, ANDREW 2,930,784
SCHAUT, ROBERT ANTHONY 3,061,514
SCHILDWACHTER, WILLIAM 3,027,144
SCHIMA, HEINRICH 2,961,963
SCHLAGE LOCK COMPANY LLC 3,080,378
SCHMIDT, WALTER 2,946,928
SCHNALL-LEVIN, MICHAEL 2,900,543
SCHNEEBERGER, ACHIM 2,946,928
SCHNEIDER ELECTRIC USA, INC. 3,048,318
SCHNEIDER ELECTRIC USA, INC. 3,048,353
SCHNEIDER, TANARRA 2,988,936
SCHOCKE, DANIEL A. 2,988,936
SCHOCKEMOEHL, CARY 2,970,804
SCHOTZ, CHRISTOPHER D. 3,048,081
SCHWARTZBACH, SAUL 3,156,555
SCOTT, GLENN 3,088,693
SCOTT, ROBERT W. 3,082,390
SEARS, BETH ERICKSON 3,119,614
SEDLAK, FRANTISEK 3,154,983
SEKISUI CHEMICAL CO., LTD. 3,097,151
SELLITRI, DORA 2,942,202
SENECI, PIERFAUSTO 2,938,703
SHAFFER, JAMES P. 3,153,389
SHEPHERD, STEVEN D. 2,933,755
SHINOHARA, YUJI 2,918,604
SHOOK, ELLYN J. 2,988,936
SHROFF, JAIDEV RAJNIKANT 3,064,494
SHROFF, JAIDEV RAJNIKANT 3,119,614
SHROFF, VIKRAM RAJNIKANT 3,064,494
SHROFF, VIKRAM RAJNIKANT 3,119,614
SHULTZ, RANDALL W. 3,064,633
SHULTZ, RANDALL W. 3,064,703
SHULTZ, RANDALL W. 3,064,704
SIDHU, SACHDEV 3,012,720
SIEBERT, JOSH 2,988,936
SIMONSON, CAREY J. 3,046,529
SITRY, HAGAY 3,105,930
SIVIK, MARK ROBERT 3,074,394
SLACK, MAURICE WILLIAM 3,067,901
SMITH & NEPHEW, INC. 3,045,572
SMITH, CLIFFORD C. 3,064,610
SMITH, DARREN BARRY 2,886,469
SMITH, LEON RUSS 3,048,700
SMITH, ROBERT 2,942,870
SOLAR WATER SOLUTIONS OY 2,939,547
SOLBAKK, INGE TOM 3,090,088
SONY CORPORATION 2,918,604
SONY CORPORATION 2,953,541
SOROS, VANESSA 3,067,851
SOTO, RONALD R. 3,113,678
SOURDIVE, DAVID 2,930,784
SPANGLER, JILLIAN ELYSE 3,090,482
STANFORD, MARIANNE M. 2,908,042
STEGEL, MIHA 3,016,230
STEINHART, ZACHARY 3,012,720
STEPHENSON, NEIL A. 3,048,081
STOECKER, WINFRIED 3,065,877
STOLLER, JASON 3,110,058
STONESMITH, MATTHEW KADDELAND 2,886,469
SUGAHARA, HIROSHI 3,097,151
SUH, MOON GJU 3,049,761
SUMITOMO METAL MINING CO., LTD. 3,110,511
SUN, CHAO 2,886,469
SUN, LIPING L. 3,055,708
SUN, YABIN 2,989,195
SUN, YAN HELEN 2,942,870
SUPERNUS PHARMACEUTICALS INC. 3,111,577
SWANSON, TODD 3,110,058
SYNCRUDE CANADA LTD. IN TRUST FOR THE OWNERS OF THE SYNCRUDE PROJECT AS SUCH OWNERS EXIST NOW AND IN THE FUTURE 3,090,073
T.A.G. MEDICAL DEVICES - AGRICULTURE COOPERATIVE LTD. 3,105,930
TAKIUE, JUNYA 3,118,999
TALATI, PARESH 3,064,494
TALUCCI, KEVIN 3,012,489
TAMAKI, SHINJI 3,039,367
TAN, THIOW KENG 3,118,999
TANG, HAI 3,090,448
TAO, QING 2,975,762
TERAZAWA, SEIJI 3,039,367
TERRY, SEAN 3,035,335
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,000,985
THE PROCTER & GAMBLE COMPANY 3,074,394
THE PROCTER & GAMBLE COMPANY 3,102,383
THE UNIVERSITY OF SYDNEY 2,996,461
THIBODAUX, PATRICK 3,107,022
THIRUVENKATANATHAN, PRADYUMNA 3,020,007
THOMSEN, PETER 3,020,762
THOMSON REUTERS ENTERPRISE CENTRE GMBH 3,060,498

Index des brevets canadiens délivrés
31 janvier 2023

TIMMONS, CHRISTOPHER LEE 3,061,514
TOMOTAKA, TOSHIHIDE 3,039,367
TOONG, HOO-MIN D. 3,082,390
TORAY INDUSTRIES, INC. 3,007,472
TOWNSEND, CARISA 3,154,163
TREMBLAY, BRUNO 3,170,485
TREVITT, GRAHAM 2,933,755
TRINE ACCESS TECHNOLOGY, INC. 3,027,144
TROKHAN, PAUL DENNIS 3,074,394
TSUDA, NAOYA 3,097,151
TTI (MACAO COMMERCIAL OFFSHORE) LIMITED 2,961,220
TURNER, BARRY S. 2,940,130
UBAYASENA, LASANTHA 3,154,163
UDAGAWA, MASAMICHI 2,987,859
UENO, TAKAHITO 3,006,479
ULMER, CHRISTOPHER T. 3,013,934
UNIVERSITAT ZURICH PROREKTORAT MNW 3,101,783
UNIVERSITY OF SASKATCHEWAN 3,046,529
UPL LIMITED 3,119,614
UPL LTD 3,064,494
URGO US, INC. 2,970,804
USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR, V.V.I. 3,154,983
VALLARINO, FABIO 2,910,631
VAN DE LOO, PAULUS JOSEPHUS BENEDICTUS MARIA 3,139,472
VAN DER MOOREN, MARRIE 2,942,202
VAN HAASTERT, RICK JAN 2,804,599
VAN PUIJENBROEK, ANDREAS ALPHONS FRANCISCUS LUDOVICUS 2,804,599
VANEK, VACLAV 3,154,983
VARMA, RAHUL 2,988,936
VENABLE, JENNIFER DIANE 2,938,924
VENKATARAMAN, NATESAN 3,061,514
VENTANA MEDICAL SYSTEMS, INC. 3,012,489
VERKLEEREN, RONALD LUCE 3,061,514
VERTEX PHARMACEUTICALS INCORPORATED 3,067,851
VICTAULIC COMPANY 3,090,856
VOLKL, LOTHAR 3,073,898
VOM BERG, JOHANNES 3,101,783
VON BONIN, ARNE 2,946,928
W & H DENTALWERK BUERMOOS GMBH 3,119,689
WAGMAN, ALLAN S. 2,935,767
WALTER SURFACE TECHNOLOGIES INC. 2,957,310
WALTERS, IAIN 2,938,924
WANDISCO, INC. 3,060,499
WANDMACHER, RANDALL R. 2,988,936
WANG, GERRY GANG 3,111,623
WANG, MIN 3,076,140
WANG, XIAOWEI 3,012,720
WARNEKE, ALEX 3,062,543
WASHBURN, LAIRD 3,035,335
WASSMANN, HARTMUT 3,012,561
WATANABE, TSUNEHIRO 3,039,367
WEBBER, KEN 2,997,198
WEEBER, HENDRIK A. 2,942,202
WEERS, JERRY 3,105,144
WEI, ANTHONY 3,082,390
WEI, XIAOPING 3,064,633
WEI, XIAOPING 3,064,703
WEI, XIAOPING 3,064,704
WEIGHTMAN, RUSSELL 3,078,081
WEILER, JONATHAN PATRICK 3,111,623
WEIR, GENEVIEVE MARY 2,908,042
WEISMAN, PAUL THOMAS 3,074,394
WEISMAN, RAN 3,105,930
WELLS, JESSE D. 2,940,525
WENGER, DEAN A. 2,997,095
WEST FRASER MILLS LTD. 3,019,609
WESTERBEEK, JOHANNES MARTINUS MARIA 2,975,672
WESTHUIZEN, ARNOUX VAN DER 2,977,255
WEYANDT, THOMAS E. 2,940,130
WEYER-GEIGEL, KRISTINA 3,056,795
WHITMAN, DAVID W. 3,099,249
WILK, CHARLES E., JR. 3,090,856
WILKINSON, ANDREW JOHN 2,933,755
WILLEY, BRENT M. 2,961,220
WILSON, ANDREW 2,930,538
WILSON, ROBERT 2,930,538
WILT, MICHAEL J. 3,075,014
WOBBEN PROPERTIES GMBH 3,017,565
WOUDWIJK, ROY 3,094,618
WU, WEI 3,064,633
WU, WEI 3,064,703
WU, WEI 3,064,704
WU, YECHUN 2,975,762
XELLIA PHARMACEUTICALS APS 2,949,328
XU, JUN 2,963,119
YABUUCHI, YUKO 3,007,472
YAMABE, JUNJI 3,039,367
YAMAMOTO, MAKIKO 2,918,604
YAMASAKI, MASAHIRO 3,097,151
YAMAURA, TOMOYA 2,953,541
YAN, JIN 3,096,949
YANG, SHIAW-PYNG 3,064,633
YANG, SHIAW-PYNG 3,064,703
YANG, SHIAW-PYNG 3,064,704
YANG, SUCKCHEL 2,967,281
YARA INTERNATIONAL ASA 3,012,561
YERRAMSETTY, KRISHNA 3,139,124
YU, HAN-IL 2,961,456
ZAHARIA, CRISTIANA A. 2,935,767
ZASTROW-HAYES, GINA MARIE 3,154,163
ZHA, MIN 3,076,140
ZHANG, YI 2,987,499
ZHANG, YI 2,987,690
ZHANG, YI 2,987,692
ZHANG, YI 2,993,050
ZHANG, YI 2,993,071
ZHANG, YI 2,993,105
ZHANG, YI 2,993,254
ZHANG, YI 2,993,455
ZHANG, YI 2,993,681
ZHANG, YI 2,995,912
ZHANG, YI 3,022,626
ZHANG, YI 3,025,842
ZHANG, YI 3,025,890
ZHANG, YI 3,036,750
ZHANG, YI 3,058,598
ZHANG, YI 3,062,494
ZHANG, YI 3,082,139
ZHANG, YI 3,124,246
ZHANG, YULIAN 2,986,622
ZHEJIANG SHAOXING SUPOR DOMESTIC ELECTRICAL APPLIANCE CO., LTD. 3,162,528
ZHENG, JIAN 3,048,081
ZHONG, SHIDA 3,069,482
ZHU, KANGYING 3,121,319
ZICK, KENNETH M. 3,099,760
ZILBERMAN, ROY 3,105,930
ZIMMER, KENDAL 3,176,508
ZOBELE HOLDING SPA 2,971,506
ZUPANCIC, SILVESTER 3,016,230

Index of Canadian Applications Open to Public Inspection

January 15, 2023 to January 21, 2023

Index des demandes canadiennes mises à la disponibilité du public

15 janvier 2023 au 21 janvier 2023

10353744 CANADA LTD. 3,168,223
2840629 ONTARIO INC. 3,168,274
ABIDA, WASSIM 3,161,032
ABRAMS, LIAM JOSEPH 3,124,808
ADONIS MEDICAL TECHNOLOGIES LTD. 3,124,808
AGRAWAL, PIYUSH 3,167,625
AINSCOW, WAYNE 3,125,672
AIR PRODUCTS AND CHEMICALS, INC. 3,167,525
AIRODY, AJITH 3,167,542
ALECU, DANIEL 3,166,760
ALL PLASTIC, INC. 3,168,425
ALLAN EQUIPMENT MANUFACTURING LTD. 3,168,443
ALVAREZ, HUGUES 3,167,472
AMBRIOLE, TYLER W. 3,167,687
ANDERSON, STEPHEN L. 3,134,124
AQUEOUS RESOURCES LLC 3,167,919
ARAI, YASUO 3,167,005
ARKTURA LLC 3,167,865
ARNDT, JONATHAN 3,168,497
AUTO MOTIVE POWER INC. 3,167,766
AUTOMATIC TECHNOLOGY (AUSTRALIA) PTY LTD 3,137,991
AZCORRA, EDGAR 3,123,432
B DATA SOLUTIONS INC. 3,131,208
BAKER, DAVID J. 3,168,249
BALLI, ALEXIS 3,167,542
BARARI, ALIREZA 3,124,810
BARI, SYED 3,131,208
BASTA, IAN 3,167,542
BE PUCKETTE, ROBERT 3,168,032
BEERS, BART JOHANNES 3,168,115
BELCO PACKAGING SYSTEMS, INC. 3,168,234
BEMIS MANUFACTURING COMPANY 3,168,497
BERGEN, KEITH 3,168,234
BIJLSMA, DENNIS RAYMOND 3,164,212
BIJLSMA, DENNIS RAYMOND 3,164,214
BISIKIRSKAS, JUSTINAS 3,167,446
BLAKE, JAMES T. 3,167,687
BOUCHET, ARNAUD 3,161,311
BRAGA, BRANDON 3,125,663
BRAGA, CARLOS 3,125,663
BRIMEYER, ALEX A. 3,158,248
BRIMEYER, ALEX A. 3,158,440
BRIMEYER, ALEX A. 3,158,444
BRIMM, ROBERT D. 3,168,319
BRKIC, NEDZAD 3,150,579
BROCHU, STEPHANE 3,167,500
BRUNONE, RENE 3,168,060
BRUNSWICK CORPORATION 3,161,597
BRUNSWICK CORPORATION 3,161,598
BRUNSWICK CORPORATION 3,161,601
BRUNSWICK CORPORATION 3,161,605
BULLOCK, DUSTIN 3,167,583
BUNGERT, BRENDEN D. 3,168,032
CALDWELL, CHARLES F. 3,168,175
CALIENTE LLC 3,167,687
CAMPOLI, NINO 3,146,865
CANNOODT, HENDRIK 3,168,022
CAPITAL ONE SERVICES, LLC 3,168,006
CAPITAL ONE SERVICES, LLC 3,168,360
CARR, SCOTT 3,168,005
CARSON, KEITH 3,168,105
CASA LUMBRE S.A.P.I DE C.V. 3,168,004
CASTELLOTE, MIGUEL 3,167,146
CHABOT, BRUNO 3,167,542
CHAN, MING 3,124,808
CHANDRA, SUBHENDU 3,125,869
CHANDRASHEKAR, VINAY KUMAR TUMKUR 3,156,697
CHAUDER, ANNE 3,168,217
CHAUDER, ANNE 3,168,276
CHEETHAM, SARAH 3,168,030
CHIANG, LUNG-YI 3,164,971
CIECHANOWSKI, DOMINIQUE 3,167,146
CIRCOSTA, MICHAEL 3,146,865
CLACK, JUSTIN 3,167,425
COMBE, CHRISTOPHE 3,167,472
CONDUCTIVE ENERGY INC. 3,167,584
CONNOLLY, TREVOR 3,168,360
CONSADORI, FRANCESCO 3,168,163
COPERION GMBH 3,166,899
COUTU, DANIEL 3,166,957
CRAINIC, CRISTINA 3,166,144
CUJO LLC 3,167,446
CYCLOMEDIA TECHNOLOGY B.V. 3,168,115
D'AGOSTINO, DINO PAUL 3,125,284
D'HOYE, PETER 3,168,022
DANIC, MICHELLE 3,124,865
DART INDUSTRIES INC. 3,159,996
DAVE, DHRUVI 3,124,808
DAVIES, THEO 3,168,030
DAVIS, DANIEL WILLIAM, II 3,167,797
DD INNOVATIONS B.V. 3,164,212
DD INNOVATIONS B.V. 3,164,214
DE COTE, JOSE ANTONIO 3,167,540
DECARIES, GLENN 3,125,141
DEERE & COMPANY 3,158,248
DEERE & COMPANY 3,158,440
DEERE & COMPANY 3,158,444
DELTA FAUCET COMPANY 3,163,743
DESCOUENS, GILBERT 3,167,472
DIKEMAN, W. CARY 3,167,196
DILLON, THOMAS 3,166,141
DIRKS, JEFFREY S. 3,168,008
DOLE JR., GREGORY W. 3,168,317
DOMES PHARMA 3,168,217
DOMES PHARMA 3,168,276
DONAGHY, MICHAEL C. 3,134,124
DOUBINSK, BENJAMIN 3,167,536
DOUGLASS, BRIAN L. 3,168,066
DOW, JOHN W. 3,167,583
DU, QILIAN 3,167,519
DUCELLIER, THOMAS 3,125,140
DUHE, KIM M. 3,168,252
DUNJIC, MILOS 3,124,857
DUPRAS, GABRIEL 3,167,801
DUPRAS, GABRIEL 3,168,003
DUPUIS, KARINE 3,167,542
DURAND, SEAN 3,168,058
DURFEE, KENNETH R. 3,134,124
DWIVEDI, NEELESH 3,167,625
EARGUN LIMITED 3,168,030
EDMUNDS, DANIEL 3,168,323
ELGEE, STEVEN B. 3,168,032
ELIOT, ELIAS 3,156,697
EMBARK TRUCKS INC. 3,168,267
ERICKSON, JAMES E. 3,161,597
ERICKSON, JAMES E. 3,161,598
ERICKSON, JAMES E. 3,161,601
ERVIN, CHRISTOPHER H. 3,167,870
ESPIE, DAVID M. 3,167,525
ETABLISSEMENTS EMILY 3,167,521
EVONIK OPERATIONS GMBH 3,167,005
EXXONMOBIL UPSTREAM RESEARCH COMPANY 3,163,371
FACCHINELLO, YANN 3,167,940
FAM, EZZAT MESHKIN 3,167,688
FAM, EZZAT MESHKIN 3,168,058
FAN, XIN 3,167,519
FARAGHER, KEVIN WAYNE 3,124,849
FEDORAK, MARK VERNON 3,124,808
FENZL, MARK 3,132,421
FLETCHER, DEREK J. 3,161,597
FLETCHER, DEREK J. 3,161,598
FLETCHER, DEREK J. 3,161,601
FRAZIER, CHRISTOPHER C. 3,163,371
FREIN, THOMAS G. 3,167,445
GABLE, KENNETH G. 3,161,597
GABRIEL, MICHAEL RICHARD 3,160,075
GAMES GLOBAL WORKS LIMITED 3,166,731
GARANX, PATRICE 3,161,311
GASPAR, MICHAEL JOHN 3,166,731
GAYDOS, STEPHEN P. 3,158,655
GE, LINFENG 3,168,223
GENERAL ELECTRIC COMPANY 3,162,330
GHALYOUN, MUKHTAR 3,124,899

Index des demandes canadiennes mises à la disponibilité du public
15 janvier 2023 au 21 janvier 2023

GLOBAL INTEGRATED FLOORING SOLUTIONS 3,167,870
GOODRICH ACTUATION SYSTEMS LIMITED 3,158,700
GOODRICH ACTUATION SYSTEMS SAS 3,161,032
GOTTLIEB, GREGORY M. 3,128,567
GRAHAM, LAYTON 3,168,443
GRENIER, JORDANE 3,167,536
GROSSMAN, THEODORE ROBERT 3,162,330
GUENGANT, MICHEL 3,167,521
GUPTA, KANAV 3,137,991
GUPTA, VIKRAM MAKAM 3,142,171
HALISCHUK, CORRIE 3,162,981
HARB, REDA 3,142,171
HARBISONWALKER INTERNATIONAL HOLDINGS, INC. 3,168,252
HARPUR, RORY ANGUS 3,166,731
HARRISON, BENJAMIN 3,167,520
HARRISON, COLIN ROGER 3,158,700
HASHAM, HAAFIZ 3,167,584
HAWKINS, RAYMOND 3,137,991
HENDERSON, ADAM D. 3,167,940
HIBBARD, MICHAEL 3,167,766
HOLT, BOB 3,168,030
HORESH, YAIR 3,165,944
HORKY, JACOB P. 3,168,032
HOYT, BENNIE DALE 3,167,797
HUANG, LIANG 3,124,860
ILLINOIS TOOL WORKS INC. 3,168,225
INDEECO, LLC 3,168,287
INTUIT INC. 3,160,075
INTUIT INC. 3,165,944
INVENTRICK PTY LTD 3,124,930
INVIDX CORP. 3,170,696
IOTTI, MARCO 3,167,510
ISSAWI, JAMAL 3,124,859
ISSAWI, JAMAL 3,165,940
ITRON, INC. 3,166,929
JASZEWSKI, WAYNE M. 3,161,597
JASZEWSKI, WAYNE M. 3,161,598
JASZEWSKI, WAYNE M. 3,161,601
JOHNSON CONTROLS TYCO IP HOLDINGS LLP 3,167,797
JOHNSON, ADAM J. 3,163,371
JOHNSON, JEFFREY R. 3,168,319
JOHNSTON, JOHN 3,167,865
KABATSI, CHRIS 3,167,865
KANDHASAMY, KAMARAJ 3,158,655
KANE, KEVIN 3,167,865
KAPCAR, CHRISTOPHER A. 3,168,008
KELLY, MICHAEL R. 3,167,687
KILIAN, ROBERT 3,167,865
KINLEN, PATRICK J. 3,158,655
KIRVAN, COLIN 3,167,520
KISHIDA, NOBUHIRO 3,167,005
KNOX, KIRSTIN 3,168,030
KNOX, STEFAN 3,168,030
KORMANYOS, BRIAN K. 3,163,841
KOVACH, GRANT F. 3,167,589
KOZICH, JOHN G. 3,168,287
KRAUS, JEREMY J. 3,161,597
KRAUS, JEREMY J. 3,161,598
KRAUS, JEREMY J. 3,161,601
KRAUS, JEREMY J. 3,161,605
KRAUSE, SEAN R. 3,134,124
KYOCERA SENCO INDUSTRIAL TOOLS, INC. 3,128,567
KZEER, NAWAR 3,125,663
L'ITALIEN, TEO 3,124,914
LAM, CHRISTOPHER KA-YIN 3,167,589
LANG, KLAUS-PETER 3,166,899
LAUWERS, ANNEMIE 3,168,022
LEE, CHENG-HUNG 3,164,971
LEVEILLE, CATHERINE 3,167,940
LI, WEN ZHENG 3,148,120
LICHT, MICHAEL 3,170,696
LIPPERT COMPONENTS MANUFACTURING, INC. 3,168,163
LIU, QIAOWEI 3,124,860
LIU, SHIWEI 3,124,860
LIU, TUANFANG 3,142,816
LONGPRE, FLORENCE 3,167,801
LONGPRE, FLORENCE 3,168,003
LOPES BARRETO, JOSE HERCULANO 3,168,115
LU, XUENING 3,167,688
LU, XUENING 3,168,058
LULULEMON ATHLETICA CANADA INC. 3,167,589
LUU, VANGIAU 3,167,542
MACNEIL, DAVID IAN 3,168,234
MAGNA EXTERIORS INC. 3,168,319
MAJOR, JOSEPH 3,168,130
MALDONADO, CARLOS LARA 3,168,008
MANITOU ITALIA S.R.L. 3,167,510
MARTENS, FRANK 3,125,840
MASON, RYAN 3,168,295
MATHEW, RAKESH 3,167,797
MATSUDA, TOMOHIRO 3,167,005
MATTA, MARINA 3,166,899
MCFADDEN, ANDREW D. 3,163,371
MENARD, JEREMIE 3,167,542
MILESTONE PHARMACEUTICALS INC. 3,124,834
MIOSSEC, ARNAUD 3,167,521
MISLAN, MICHAEL DANIEL 3,167,584
MISRA, PRATIK 3,167,525
MITTAL, AMBUJ 3,167,625
MLAMBO, KHONZANANI 3,168,005
MODAK, SHREYAS P. 3,158,248
MODAK, SHREYAS P. 3,158,440
MODAK, SHREYAS P. 3,158,444
MORRYDE INTERNATIONAL, INC. 3,168,295
MORVAN, MICHEL 3,167,521
MULKAR, TUSHAR 3,167,618
MULKAR, TUSHAR 3,167,625
MURPHY, TAYLOR 3,124,808
NAICKER, THEO 3,166,731
NATIONAL PRESTO INDUSTRIES, INC. 3,168,175
NAYCHUK, CHRISTOPHER 3,125,169
NELSON, DEANE 3,168,319
NELSON, JONATHON JAMES 3,168,225
NEXUS MEDICAL, LLC 3,167,196
NGUYEN, JOHN TAM 3,162,330
NICHOLLS, GRANT 3,137,991
NORSTAD, TIMOTHY P. 3,168,032
NORTHWEST INSTRUMENT INC. 3,158,842
NOVAK, AARON J. 3,161,605
OEMME S.P.A. 3,167,518
OGRODNICK, MICHAEL JOHN 3,167,471
OLESON, MARK ARTHUR 3,167,589
OMNIROBOTIC INC. 3,168,187
ONWARD MULTI-CORP INC. 3,167,520
ORTHOSOFT ULC 3,167,542
ORTHOSOFT ULC 3,167,940
OYARZABAL, IVAN SALDANA 3,168,004
PANAG, HARJOT SINGH 3,124,849
PANCHAKSHARAIAH, VISHWAS SHARADANAGAR 3,142,171
PARLAKYAN, AREG 3,167,766
PARTRIDGE, KEVIN 3,168,130
PELANDRA, FILIPPO 3,167,518
PELLERIN, HUGHES 3,166,954
PELLETIER, VINCENT 3,167,940
PERDOMO TORNBAUM, ANDRES 3,161,597
PERDOMO TORNBAUM, ANDRES 3,161,598
PERDOMO TORNBAUM, ANDRES 3,161,601
PIERALDI, HEATHER PATRICIA 3,167,589
PILETTE, MARK T. 3,168,319
PLAT, FRANCIS 3,124,834
POCCIA, NICOLA 3,168,567
PODELL, ROBERT A. 3,161,597
PODELL, ROBERT A. 3,161,598
PODELL, ROBERT A. 3,161,601
POIRIER, JACQUES 3,167,801
POIRIER, JACQUES 3,168,003
POIRIER, RANDALL J. 3,161,598
POIRIER, RANDALL J. 3,161,601
POISSANT, JEFFREY 3,166,144
POLARIS INDUSTRIES INC. 3,168,032
POMEROY, EDWARD A. 3,167,425
POVILAVICIUS, KAROLIS 3,167,446
PRAKASH, OM 3,158,655
PRATT & WHITNEY CANADA CORP. 3,166,141
PRATT & WHITNEY CANADA CORP. 3,166,144
PRATT & WHITNEY CANADA CORP. 3,166,760
PRATT & WHITNEY CANADA CORP. 3,166,954
PRATT & WHITNEY CANADA CORP. 3,166,957
PRATT & WHITNEY CANADA CORP. 3,167,688
PRATT & WHITNEY CANADA CORP. 3,168,058
PRINSCO, INC. 3,168,066
PRIZZI, GIUSEPPE 3,168,274

Index of Canadian Applications Open to Public Inspection
January 15, 2023 to January 21, 2023

PURI, KARANDEEP 3,124,849
RANDALL, GARY 3,167,766
RAPYUTA ROBOTICS CO., LTD. 3,148,120
RASOOL, MAJID 3,167,584
RATIER-FIGEAC SAS 3,161,311
RAYMOND, DANIEL J. 3,168,310
REICH, AIDEN 3,167,542
RICKARDS, PETER 3,124,930
RICKARDS, ROHAN 3,124,930
ROBUSTI, GEORGE ALAN 3,167,589
ROHANI, MEHDI 3,133,320
ROMER, MICHAEL C. 3,163,371
ROSEMONT PHARMACEUTICALS LIMITED 3,168,005
ROVI GUIDES, INC. 3,142,171
ROY-MOISAN, FRANCOIS 3,167,801
ROY-MOISAN, FRANCOIS 3,168,003
RUBEN, BRIAN 3,168,175
SAFRAN ELECTRONICS & DEFENSE 3,167,536
SALAS, CARLOS ANTONIO 3,167,540
SALASCA, AUGUSTIN 3,167,472
SAMSOONDAR, JAMES 3,170,696
SANDERSON, BRIAN 3,121,323
SANDVINE CORPORATION 3,167,618
SANDVINE CORPORATION 3,167,625
SANDYS, JACK 3,168,030
SANFORD L.P. 3,168,022
SANFORD, ADAM H. 3,167,940
SARKAR, NILANJAN 3,167,618
SARKAR, NILANJAN 3,167,625
SARKAR, PRITAM KUMAR 3,125,869
SCHIFFMAN, BRIAN 3,125,598
SCHLAGE LOCK COMPANY LLC 3,168,317
SCHMIDT, ERNST 3,167,919
SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD. 3,167,519
SCOTT, ALAN 3,125,140
SCOTT, GLENN CARTER 3,160,075
SEIDERS, ROY JOSEPH 3,167,583
SERMENGHI, ANDREA 3,167,518
SETA, MATTHEW Z. 3,161,598
SHAH, SAGAR 3,168,360
SHARED-X LLC 3,167,540
SHAUGHNESSY, AIDAN B. 3,168,032
SHELAT, NIPABEN 3,124,849
SHENZHEN EIGATE TECHNOLOGY CO., LTD. 3,142,816
SHERROW, LESTER DALE 3,167,797
SHETH, ASHAY 3,168,360
SHI, XIN 3,158,842
SHIELDS, MARIA 3,168,317
SIDOROVICH PARADISO, IVAN 3,166,760
SIMARD, FRANCOIS 3,168,187
SMITH, CHERYL ANN 3,168,425
SMITH, TRAVIS 3,137,991
SMITH, WILLIAM THOMAS 3,168,425
SOCHELEAU, JEROME 3,161,032
SOLLUM TECHNOLOGIES INC. 3,167,801
SOLLUM TECHNOLOGIES INC. 3,168,003
SPACESAVER CORPORATION 3,134,124
SPENCER, MICHAEL A. 3,168,295
SRIVASTAVA, ANCHAL 3,167,618
SRIVASTAVA, ANCHAL 3,167,625
SUN, ZHENNAN 3,124,860
SURESH, AKASH MANCHANHALLI 3,167,625
SWM LUXEMBOURG 3,167,472
SYNCPROTO CO., LTD. 3,164,971
TAFURI, FRANCESCO 3,168,567
TANAKA, CLIFFORD TAKASHI 3,162,330
TAVANA, REZA T. 3,162,330
TAVASSOLI, MOTI 3,167,865
TAX, DAVID SAMUEL 3,124,857
TECHTRONIC CORDLESS GP 3,167,425
TECHTRONIC CORDLESS GP 3,168,249
TEIJIN AUTOMOTIVE TECHNOLOGIES, INC. 3,168,323
TERRA QUANTUM AG 3,168,567
THE BOEING COMPANY 3,156,697
THE BOEING COMPANY 3,158,655
THE BOEING COMPANY 3,163,841
THE TORONTO-DOMINION BANK 3,124,849
THE TORONTO-DOMINION BANK 3,124,857
THE TORONTO-DOMINION BANK 3,125,284
THOMAS, CHRIS M. 3,163,841
THOMPSON, CHESTER 3,168,030
THOMSON, ALEXANDER 3,168,122
TOLLER, JIM 3,124,808
TOYOTA MATERIAL HANDLING, INC. 3,168,130
TREMBLAY, MARC 3,167,801
TREMBLAY, MARC 3,168,003
TRUEBLUE, INC. 3,168,008
TSCHAUNER, MICHAEL C. 3,163,371
TURNER, CARL A. 3,168,032
TURNER, JAMUS 3,124,859
TURNER, JAMUS 3,165,940
UNKNOWN 3,124,810
VAN AERDE, GEERT 3,168,022
VAN BRITSOM, DIRK 3,168,022
VAN SCHALKWYK, DANIE 3,168,443
VAN STERKENBURG, CORNELIS ALEXANDER ELIZABETH 3,168,115
VANDEVEN, MICHAEL L. 3,158,248
VANDEVEN, MICHAEL L. 3,158,440
VANDEVEN, MICHAEL L. 3,158,444
VANDRIEL, EDWARD PETER 3,125,429
VASQUEZ DE VELASCO, PATRICK 3,167,540
VELA, SALVADOR G., III 3,163,371
VERCRUYSSEN, ALEC 3,159,996
VINOKOUR, VALERII 3,168,567
VIVES, LAURENT 3,167,472
WADGE, PHILIP 3,158,700
WALES, JOSHUA DREW 3,163,743
WALKER, BILLY-BOB K. 3,163,371
WALLUP GAMES INC. 3,125,598
WANG, BO 3,167,519
WANG, HAIMIN 3,168,223
WANG, WEI 3,168,223
WANG, YONGGANG 3,167,519
WANG, ZIYIN 3,168,223
WARD, ROBERT MICHAEL 3,168,008
WATSON, BRADLEY E. 3,168,319
WATSON, ELTON L. 3,167,425
WEBB, KIEL 3,167,520
WEBER, CHUCKIE 3,125,385
WEISS, JEFFREY J. 3,168,497
WEITZEL, GEORG SIEGHARD 3,125,334
WEITZEL, SARAH MARY 3,125,334
WHITE, ERIC DONALD 3,166,929
WIGHT, DOUGLAS 3,124,834
WILLIAMS, GRADY 3,168,267
WILSON, GRAEME RICHARD 3,167,525
WILSON, TAYLOR 3,167,196
WITZEL, THEODORE ANDREW 3,167,520
WOODLAND, BERNARD M. 3,166,929
WURMFELD, DAVID KELLY 3,168,006
XING, DAVID 3,158,842
XU, YI 3,125,508
YANG, FENGZE 3,124,860
YANG, LEI 3,124,860
YETI COOLERS, LLC 3,167,583
YOUNG, JEANNETTE 3,168,323
YOUNG, TIMOTHY 3,168,323
YUKI, TSUYOSHI 3,167,005
ZHANG, DAHAI 3,167,519
ZHANG, RAN 3,124,860
ZHICHAREVICH, ALEXANDER 3,165,944
ZIMMERMANN, YANN 3,167,542

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

10644137 CANADA INC. 3,177,928
1QB INFORMATION TECHNOLOGIES INC. 3,177,422
4LIVING BIOTECH 3,177,779
A-1 PACKAGING SOLUTIONS, INC. 3,177,305
ABACUSLABS LTD. 3,177,811
ABBASI, SAAD 3,177,342
ABBOTT DIABETES CARE INC. 3,177,650
ABBVIE DEUTSCHLAND GMBH & CO KG 3,177,830
ABBVIE DEUTSCHLAND GMBH & CO. KG 3,177,888
ABBVIE INC. 3,177,830
ABBVIE INC. 3,177,888
ABDIK, HUSEYIN 3,177,932
ABRAHAM, JIM 3,177,323
ABRAHAM, SUNNY 3,186,632
ABREXA PHARMACEUTICALS, INC. 3,177,262
ABVANCE THERAPEUTICS INC. 3,186,427
AC GLOBAL SYSTEMS LTD. 3,177,456
ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC 3,177,314
ACADEMY OF MILITARY MEDICAL SCIENCES, PLA 3,177,300
ACAR, MELIH 3,177,632
ACCELEWARE LTD. 3,174,830
ACERRA, FRANCESCO 3,177,775
ACERTA PHARMA B.V. 3,186,141
ACHELON, INC. 3,177,346
ACUCELA INC. 3,177,695
ADAGENE AG 3,177,717
ADAMA MAKHTESHIM LTD. 3,177,638
ADAMA MAKHTESHIM LTD. 3,177,682
ADAMS, MICHAEL 3,177,804
ADAPTVAC APS 3,177,709
ADLER, ADAM SHULTZ 3,177,152
ADLFINGER, HELMUT 3,186,511
ADRIAANSE, FREDERIK GIDEON 3,177,845
AEBI, VERLE 3,179,270
AERAS, LLC 3,177,249
AFFAGARD, HERVE 3,174,814
AGC BIOLOGICS S.P.A. 3,177,401
AGILENT TECHNOLOGIES, INC. 3,186,048
AGRO INNOVATION INTERNATIONAL 3,177,812
AGRONOMED MANAGEMENT, LLC 3,177,797
AGUIRRE, SERGIO DAVID 3,152,491
AHMAD, ATEEQ 3,185,993
AHMAD, IMRAN 3,185,993
AHMAD, MOGHISUDDIN 3,185,993
AHMT GMBH INDUSTRIAL APPLICATIONS 3,186,281
AIR-CLENZ SYSTEMS, LLC 3,180,302
AKBARI, PARSA 3,186,576
AKHALWAYA, ISMAIL YUNUS 3,174,744
AKHALWAYA, ISMAIL YUNUS 3,174,755
AKKAPEDDI, ALEKHYA 3,177,146
AKKARAJU, PREM 3,186,477
AKLOG, LISHAN 3,177,946
AKLOG, LISHAN 3,186,131
AKTAS, UMIT RUSEN 3,177,469
ALBERTI, CLAUDIO 3,174,759
ALDAPE FARIAS, GUADALUPE DEL CARMEN 3,177,547
ALEVIZOPOULOS, KONSTANTINOS 3,177,156
ALEXANDER, LISA 3,177,828
ALI, SHOUKATH M. 3,185,993
ALIZADEH, ARASH ASH 3,177,706
ALKOTAINI, BASSAM 3,186,321
ALLAIN, ERIC 3,177,235
ALLEGRETTA, GIUSEPPE 3,177,271
ALLEMANN, OLIVER 3,177,335
ALLEN, ROBERT 3,177,770
ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED 3,177,686
ALLIEVI, LUCA 3,177,401
ALLNEX BELGIUM, S.A. 3,177,254
ALLSTATE INSURANCE COMPANY 3,185,992
ALSTOM HYDROGENE SAS 3,177,755
ALTERMAN, JULIA FRANCES 3,177,463
ALTONEN, GENE MICHAEL 3,185,997
ALTONEN, GENE MICHAEL 3,186,125
ALTONEN, GENE MICHAEL 3,186,127
AMATO, ANTONINO 3,177,450
AMAZONEN-WERKE H. DREYER SE & CO. KG 3,186,501
AMERI, MAHMOUD 3,177,297
AMERICAN BATTERY SOLUTIONS, INC 3,186,634
AMICUS THERAPEUTICS, INC. 3,177,954
AMPLIA THERAPEUTICS PTY LTD 3,177,652
AMRANI, NADIA 3,177,463
ANDERS, ULRIKE 3,177,271
ANDERSON, ROLFE 3,186,048
ANDERSON, SHAUN IAN 3,186,482
ANDO, KEISUKE 3,186,612
ANDREWS, RICHARD E. 3,177,146
ANDRIYCHENKO, OLEKSIY 3,177,308
ANDRYKOVITCH, MICHELLE A. 3,177,911
ANGOLI, DAMIANO 3,177,780
ANHOLD, HEINRICH 3,177,811
ANNEXON, INC. 3,177,879
ANNJI PHARMACEUTICAL CO., LTD. 3,186,598
ANTONY, BERNHARD 3,186,164
ANZALONE, ANDREW VITO 3,177,481
APEL, BRUNO 3,177,453
APNIMED, INC. (DELAWARE) 3,177,654
APOSHIAN, STEVEN 3,186,035
ARCEDI BIOTECH APS 3,186,291
ARIELI, YOEL 3,186,336
ARKEMA FRANCE 3,177,948
ARKEMA INC. 3,177,916
ARKEMA INC. 3,177,919
ARKIN, ISAIAH 3,177,537
ARNOLD, BEN 3,186,588
ARNOLD, LEE D. 3,186,288
ARNOLD, TONY 3,177,527
ARO BIOTHERAPEUTICS COMPANY 3,177,330
ARRAY BIOPHARMA INC. 3,186,343
ARRIS ENTERPRISES LLC 3,177,439
ARRIS ENTERPRISES LLC 3,177,533
ARRIS ENTERPRISES LLC 3,177,687
ASCEND PERFORMANCE MATERIALS OPERATIONS LLC 3,177,133
ASCEND PERFORMANCE MATERIALS OPERATIONS LLC 3,177,151
ASENSIO, MICHAEL 3,177,152
ASHMAN, DANNY NATHAN 3,177,456
ASHMAN, SHAUN PATRICK 3,177,456
ASHMINOVA, VANIA E. 3,177,488
ASOKAN, ARAVIND 3,177,869
ASSALI, SIMONE 3,177,142
ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS 3,182,171
ASSOCIATION FRANCAISE CONTRE LES MYOPATHIES 3,177,129
ASSOCIATION INSTITUT DE MYOLOGIE 3,177,129
ASTESIANO, DAVIDE 3,177,226
ASTON, ERIC 3,186,035
ATALLA, MAHMOUD 3,177,142
ATANASIO, AMANDA 3,177,918
ATLANTIS RESEARCH LABS INC. 3,177,912
ATTIAOUI, ANIS 3,177,142

Index of PCT Applications Entering the National Phase

AUER, FLORIAN 3,186,164
AUSPEX PHARMACEUTICALS, INC. 3,186,425
AUSTRHEIM, TROND 3,177,465
AUTOLUS LIMITED 3,174,812
AUTOLUS LIMITED 3,177,773
AUTOMATIC DATA PROCESSING, INC. 3,177,453
AUTOSTORE TECHNOLOGY AS 3,177,465
AVRIL 3,177,656
AVRON, HAIM 3,174,813
AVSAR ABDIK, EZGI 3,177,932
AYER, AMIT 3,186,440
BABAEI, VAHID 3,186,505
BACH, DU JIN 3,177,471
BACKFOLK, KAJ 3,186,349
BACKFOLK, KAJ 3,186,605
BADENLID, RAIJA 3,186,605
BAE SYSTEMS PLC 3,186,265
BAILI-BIO (CHENGDU) PHARMACEUTICAL CO., LTD. 3,186,295
BAKER, DAVID 3,178,016
BALCH, LESLIE A. 3,177,517
BALCHEM CORPORATION 3,177,651
BANFI, PAOLO 3,177,109
BANGA, IVNEET KAUR 3,186,582
BANON, ALEXANDRE ANTOINE BENJAMIN MARIE 3,177,340
BANOWETZ, DANIEL L. 3,177,345
BARAHONA, FRANCISCO 3,174,755
BARAS, ARIS 3,186,576
BARBOSA DE ABREU E SOUSA, ARMANDO MIGUEL 3,177,805
BARBOSA DE ABREU SOUSA E BATISTA, MIGUEL AFONSO 3,177,805
BARD ACCESS SYSTEMS, INC. 3,186,443
BARD ACCESS SYSTEMS, INC. 3,186,461
BARD ACCESS SYSTEMS, INC. 3,186,469
BARD ACCESS SYSTEMS, INC. 3,186,472
BARGUM, JONAS RIDDERSHOLM 3,186,311
BARKANA, YANIV 3,186,336
BARLOW, THOMAS 3,177,661
BARNHART CRANE AND RIGGING CO. 3,177,436
BARON VAN ASBECK, ALEXANDER HENRIK 3,177,317
BARON, DAVID 3,177,617
BARRETT, STEPHANIE ELIZABETH 3,177,461
BARTOLI, ANDREA 3,186,606
BARTOLI, ANDREA 3,186,608
BARUAH, HEMANTA 3,177,818
BASCOM, SCOTT S. 3,186,604
BASF COATINGS GMBH 3,177,245
BASF SE 3,177,271
BASF SE 3,177,281
BASF SE 3,177,644
BASHARAIN, ADRIAN 3,177,941
BASIL, GREGORY W. 3,186,571
BASILE, MARIO ANTONIO 3,177,523
BASLER ELECTRIC COMPANY 3,177,640
BASS, DEREK 3,177,785
BASS, DEREK 3,177,790
BATEMAN, ROD 3,177,628
BATES, OLIVER 3,186,315
BAUERMEISTER, DANIEL JACOBUS 3,185,980
BAUSCH HEALTH IRELAND LIMITED 3,177,250
BAYER AKTIENGESELLSCHAFT 3,186,659
BAYON, BENOIT (DECEDE) 3,177,085
BBHS A/S 3,186,311
BEARSS, DAVID JAMES 3,186,041
BEAUMELLE, BRUNO 3,177,505
BECKA, LARISSA 3,177,504
BECKER, KAI 3,177,151
BECONI, MARIA 3,177,830
BECONI, MARIA 3,177,888
BECTON, DICKINSON AND COMPANY 3,177,199
BEFESA ZINC METAL LLC 3,177,690
BEIGENE, LTD. 3,174,831
BEKKERS, AUGUSTINUS CORNELIUS ALDEGONDE PETRUS ALBERT 3,177,728
BEKTO, HASIBA 3,177,705
BELDEN, INC. 3,177,925
BELFORT, GABRIEL 3,177,277
BELL, KEVAN 3,177,342
BELMONTE MULA, MANUELA 3,177,699
BELTRAMELLO, MARTINA 3,177,169
BEN-DOV, YUVAL 3,177,451
BENAMMAR, NASSIR 3,177,947
BENETTI, MARCELLO 3,177,832
BENJAMIN, RONALD 3,177,457
BENKREIRA, ABDELKADER M'HAMED 3,177,132
BENNEWITZ, ELIZABETH ROBERTS 3,177,422
BENZIE, EMILY 3,177,152
BERG, MAX 3,177,241
BERGAN, HAKON FRANK 3,177,762
BERGER, JONATHAN 3,177,440
BERGER, PATRICK 3,177,779
BERGER, PER ERIK 3,177,247
BERGERFURTH, DENNIS 3,177,823
BERGERFURTH, DENNIS 3,177,827
BERGNER, BENJAMIN JOHANNES HERBERT 3,177,644
BERK, RAFAEL BENJAMIN 3,177,644
BERLE, ALF ERIK 3,177,247
BERMINGHAM, NESSAN ANTHONY 3,177,814
BERTELS, JOHNY 3,177,123
BERTELSEN, ADAM FREDERIK SANDER 3,177,709
BERZOFSKY, JAY ARTHUR 3,186,654
BEST THERATRONICS, LTD. 3,177,319
BEST THERATRONICS, LTD. 3,177,326
BETAGLUE TECHNOLOGIES S.P.A. 3,177,450
BETHEL, PAUL 3,186,141
BETTENCOURT, BRIAN R. 3,177,814
BETTENDORF, TANNA MARIE 3,186,343
BEWLEY LO, JUSTIN 3,177,900
BEZIAT, MATTHIEU C 3,177,812
BEZZERIDES, VASSILIOS 3,186,584
BIALEK, PETER EDWARD 3,177,814
BIANCHINI, MATTEO 3,177,281
BIDOU, LAURE 3,177,129
BILODEAU, MICHAEL ALBERT 3,178,018
BINARD, FRANCK 3,177,274
BIOCORP PRODUCTION S.A 3,177,301
BIOGAIA AB 3,186,421
BIOLINQ, INC. 3,182,778
BIOSKRYB GENOMICS, INC. 3,177,586
BIRCHMEIER, BRANDON MICHAEL 3,185,997
BIRCHMEIER, BRANDON MICHAEL 3,186,125
BIRCHMEIER, BRANDON MICHAEL 3,186,127
BIRCHMEIER, BRANDON MICHAEL 3,186,129
BISHOP, PAUL 3,177,760
BISMUTH, KEREN 3,177,779
BIXBY, BENJAMIN D. 3,186,474
BJORNENAK, MADS 3,177,347
BLADE DYNAMICS LLLP 3,174,754
BLAKE, WILLIAM JEREMY 3,186,580
BLOOM ENERGY CORPORATION 3,177,941
BLUE LICE AS 3,177,255
BLUE PRISM LIMITED 3,177,469
BLUE SKY INNOVATION, LLC 3,177,251
BLUESHIFT MATERIALS, INC. 3,177,412
BLUM, RONALD 3,180,302
BLYTH, JOHN 3,186,141
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,177,331
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,186,291
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,186,594
BOATENG, KELVIN 3,186,596
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 3,186,292
BOEHRINGER INGELHEIM VETMEDICA GMBH 3,186,579
BOGA, SOBHANA BABU 3,186,632
BOGAERT, LAURINE 3,177,656
BOGATYROVA, OLGA 3,186,322
BOHAN, STEPHEN 3,186,280

Index des demandes PCT entrant en phase nationale

BOILY, MARC-OLIVIER 3,177,452
BOLOTIN, ELIJAH 3,186,263
BOLYOS, ELINOR 3,177,150
BONFANTI, FRANCESCA 3,177,401
BONO, NINA 3,177,570
BONUM THERAPEUTICS, INC. 3,177,843
BONUMOSE, INC. 3,177,145
BOON, CHRISTOPHER 3,174,754
BOOTY, MATTHEW 3,177,288
BOREALIS AG 3,186,150
BOREALIS AG 3,186,507
BOREN, BRANT CLAYTON 3,186,632
BOSSUAT, JEAN-PHILIPPE 3,177,895
BOSWOOD, ADRIAN 3,174,821
BOTHE, ERIK 3,177,140
BOUCHARD, CARL 3,177,448
BOUCHARD, CARL 3,177,455
BOUCHIAT, VINCENT 3,177,528
BOULANGER, ANTHONY FRANCOIS MICHEL CLAUDE DIEUDONNE 3,177,340
BOUTILLETTE, MICHAEL 3,177,946
BOUTILLETTE, MICHAEL 3,186,131
BOW WOW LABS, INC. 3,177,545
BOWEN, JAMES RYAN 3,186,019
BOWEN, JAMES RYAN 3,186,020
BOWEN, MICHAEL SHANE 3,177,804
BOWERS, CHRISTOPHER 3,177,799
BOWERS, GARY LANE 3,177,810
BOWLIN, STEPHEN URIAH 3,177,117
BOWMAN, PETER 3,177,154
BOYNE, ALEX 3,177,621
BOZKURT, BATUHAN TURHAN 3,177,908
BP CORPORATION NORTH AMERICA INC. 3,177,655
BP CORPORATION NORTH AMERICA INC. 3,177,809
BP CORPORATION NORTH AMERICA INC. 3,177,815
BRABON, GEORGE 3,177,804
BRACCO SUISSE SA 3,177,232
BRADY WORLDWIDE, INC. 3,186,036
BRANDT, BIANCA ANINA 3,177,825
BRANDT, OLAF 3,186,634
BRAVE SOFTWARE, INC. 3,177,280
BRAVERMAN, OLEG 3,177,887
BRAY, MARK R. 3,174,802
BREITINGER, BECKY WELSH 3,186,132
BREKKE, STEVEN 3,177,767
BRENNAN, SEAMUS PATRICK 3,177,905
BRETON, JEROME 3,177,779
BREZESINSKI, TORSTEN 3,177,281
BRIAND, XAVIER 3,177,812
BRICHTA, LARS 3,186,465
BRIELMAIER, MICHAEL 3,177,819
BRIGGS, RYAN M 3,177,416
BRINK, MAREK 3,177,902
BRITTLES, GREG 3,177,628
BROACH, ANITA 3,180,302
BROCATO, JIM 3,177,799
BROCKE, NILS 3,186,503
BRODERICK, KATE 3,177,949
BRONS, MARCO 3,186,320
BROOKS, NATHAN ANDREW 3,177,897
BROPHY, PATRICK 3,177,337
BROSSARD, THOMAS W. 3,186,599
BROUCEK, REINHARD 3,177,651
BROUILLETTE, MARTIN 3,186,480
BROUWER, ERIC RICHARD 3,177,728
BROUWER, KRISTA N. 3,177,284
BROWER, JOHN 3,186,431
BROWN, CHRISTOPHER 3,177,828
BROWN, MATTHEW ROBERT 3,186,292
BROWN, MATTHEW S. 3,177,935
BROWN, MICHAEL 3,183,485
BROWNE, JONATHAN 3,177,521
BRUANDET, OLIVIER 3,177,244
BRUSTAD, ERIC 3,177,286
BSOLVE LIMITED 3,177,405
BUCHBAUER, DAVID 3,186,164
BUCHINE, BRENT A. 3,186,234
BUGAUD, OLIVIER 3,177,129
BULIR, DAVID C. 3,177,571
BULUT, MUHAMMED FATIH 3,174,819
BUNKER, KEVIN DUANE 3,186,632
BURGERS, TRAVIS 3,182,267
BURKS, JULIAN DEMOND 3,186,654
BURNS, BRIAN M. 3,185,997
BURNS, BRIAN M. 3,186,127
BURNS, BRIAN MATTHEW 3,186,125
BURNS, CHRIS 3,177,652
BURNS, ELIZABETH 3,186,611
BURTON, JEREMY 3,177,303
BUSSER, ALEXANDER 3,177,504
BUSSER, BRIAN 3,177,621
BUTALAG, KARIM 3,177,319
BUTALAG, KARIM 3,177,326
BUTLER, CHRISTOPHER RYAN 3,186,348
BUTLER, EILE 3,186,421
BUTTERFIELD, CRISTINA 3,177,828
BUTUROVIC, LJUBOMIR 3,177,170
BYUN, TONY SANGYOUNG 3,177,329
C2CNT LLC 3,177,727
CACQUEVEL-BIHEL, EBELINE 3,177,232
CADY, KEVIN J. 3,177,409
CAIMI, ALESSANDRO 3,177,881
CAIRNS, DONALD 3,186,285
CAIUMI, STEFANO 3,177,832
CALI, JACQUES 3,177,469
CALIFORNIA INSTITUTE OF TECHNOLOGY 3,177,416
CAMAS INCORPORATED 3,177,819
CAMBRON, DANIEL C. 3,130,572
CAMERON, JOHN ALASDAIR 3,186,049
CAMERONI, ELISABETTA 3,177,169
CAMIRE, ALEXANDRE 3,186,480
CAMPBELL, BRENNAN 3,186,634
CAMPBELL, BRUCE 3,177,587
CAMPBELL, CARLY 3,177,444
CAMPBELL, DONALD H. 3,177,245
CAMPBELL, JONATHAN 3,177,661
CANDIANI, GABRIELE 3,177,570
CANDON, RUTH 3,177,811
CANNAN, DAVID D. B. 3,177,146
CANO, RAYMOND 3,177,591
CANSINO BIOLOGICS INC. 3,177,300
CANTRELL, JOHN 3,177,884
CAO, KUN 3,186,231
CAO, KUN 3,186,644
CAO, LIWEI 3,186,642
CAO, LONGXING 3,178,016
CAO, XIA 3,177,770
CAPITAL ONE SERVICES, LLC 3,177,132
CAPITAL ONE SERVICES, LLC 3,177,799
CAPITAL ONE SERVICES, LLC 3,186,429
CAPITINI, DAVIDE 3,186,606
CAPITINI, DAVIDE 3,186,608
CAPLAN, CHARLES 3,177,440
CAPORUSSO, ALESSANDRO 3,177,149
CAPPELLE, STEVEN 3,177,254
CAPSTICK, RORY A. 3,186,436
CAPTIVE-AIRE SYSTEMS, INC. 3,177,389
CARBON CERAMICS COMPANY LLC 3,177,584
CARBONI, SALVATORE 3,186,406
CAREFUSION 303, INC. 3,177,689
CAREFUSION 303, INC. 3,177,910
CAREY, WILLIAM SEAN 3,177,437
CARIS MPI, INC. 3,177,323
CARLI, JULIA ANNETTE 3,183,285
CARMONA, REBECA REGUILLO 3,186,150
CARO PINTO, IVAN ALBERTO 3,174,810
CAROFF, EVA 3,177,335
CARR, BEN 3,177,469
CARRASQUILLA ALVAREZ, JUAN FELIPE 3,177,422
CARRIER, ALEXANDER L. 3,174,815
CARRIERE LLUCH, LUIS 3,177,403
CARRUS GAMING 3,174,807
CARVELL, LEE 3,177,670
CASCADE CORPORATION 3,186,577
CASE WESTERN RESERVE UNIVERSITY 3,177,946
CASE WESTERN REVERSE UNIVERSITY 3,186,131
CASH, BRANDON D. 3,177,442
CASH, JAMES 3,177,774
CASH, JAMES 3,177,899
CASHWELL, WILLIAM JOSEPH II 3,177,690
CASKEY, MATTHEW K. 3,130,572
CASTELAIN, SANDRINE 3,177,340
CASTENS, SYBILLE 3,177,707
CASTILLO, GERARDO M. 3,186,263
CATERPILLAR INC. 3,177,312
CATERPILLAR INC. 3,177,321
CEDARS-SINAI MEDICAL CENTER 3,177,168
CEKAN, PAVOL 3,177,559
CELATOR PHARMACEUTICALS, INC. 3,175,913
CELGENE CORPORATION 3,177,632
CELLECTIS S.A. 3,177,621
CENTRE HOSPITALIER DE BORDEAUX 3,177,779

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 3,177,129
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 3,177,435
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 3,177,779
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 3,177,781
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,177,505
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,177,793
CEPHEID 3,177,139
CHACON, MARCO A. 3,177,338
CHAE, JE MIN 3,177,759
CHAGNON, JEFFREY THOMAS 3,186,234
CHAISY, CEDRIC 3,174,801
CHAK, AMITABH 3,177,946
CHAK, AMITABH 3,186,131
CHAKRABORTY, NIRJHOR 3,177,655
CHAKRABORTY, NIRJHOR 3,177,809
CHAKRABORTY, NIRJHOR 3,177,815
CHALOIN, LAURENT 3,177,505
CHAN, KATELYN JAN WAI 3,152,491
CHANDLER, TREVOR 3,183,485
CHANG, GREGORY P. 3,177,818
CHANG, HSIN-YI 3,186,598
CHANG, HYUNG 3,186,321
CHANG, SEOK JOO 3,177,471
CHANG, WEI-HUA 3,177,848
CHANGZHOU CITY CHENG XIN ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD 3,177,660
CHAO, SHOUBAI 3,177,300
CHAPEL, STEVE 3,177,792
CHAPMAN, JAMES D. 3,186,604
CHARLES, RACHAEL 3,177,440
CHARM INDUSTRIAL, INC. 3,177,544
CHATEAUVERT, MATTHEW 3,185,922
CHATTERJEE, ABHISHEK 3,177,573
CHAUDHURI, BUDDHADEV PAUL 3,182,778
CHAUSSADE, STANISLAS 3,182,171
CHAUVIN, JONATHAN 3,177,085
CHAVANTON-ARPEL, ALEXIA 3,177,335
CHDI FOUNDATION, INC. 3,186,583
CHEATHAM, JESSE R. III 3,177,790
CHEBI, PATRICK 3,177,437
CHEMISTRY RX 3,186,465
CHEN, BENJAMIN BIN 3,177,916
CHEN, BENJAMIN BIN 3,177,919
CHEN, CHEN 3,186,492
CHEN, CHIUNG-TONG 3,186,574
CHEN, EVAN 3,177,910
CHEN, LIN 3,186,231
CHEN, LIN 3,186,644
CHEN, LIN 3,186,648
CHEN, TEMING 3,177,302
CHEN, XIAOBO 3,177,761
CHEN, YU HOLLY 3,186,586
CHEN, ZEXIANG 3,177,463
CHENG, JUSTIN GUANG YUANG 3,177,880
CHENG, XINGQING 3,177,283
CHENNA, NAVEEN 3,177,561
CHERRINGTON, ALAN 3,186,427
CHEUNG, ANN F. 3,177,818
CHEUVRONT, SAMUEL 3,177,889
CHEVRON U.S.A. INC. 3,186,049
CHIARAPPA, MARCO 3,177,782
CHIEN, MING-HONG 3,177,848
CHILDREN'S MEDICAL CENTER CORPORATION 3,186,584
CHILDRESS, JEN 3,177,440
CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE 3,186,649
CHINA MOBILE COMMUNICATIONS GROUP CO., LTD. 3,186,649
CHINA PETROLEUM & CHEMICAL CORPORATION 3,186,492
CHINA PETROLEUM & CHEMICAL CORPORATION 3,186,495
CHINA THREE GORGES CORPORATION 3,177,328
CHINOOK THERAPEUTICS CANADA, INC. 3,177,452
CHINTAKINDI, SUNIL 3,185,992
CHIRKIN, EGOR 3,177,129
CHO, JONGSOO 3,177,460
CHO, SUNGJIN 3,177,460
CHONG, SYLVIA 3,177,571
CHRISTENSEN, INGA BAASCH 3,186,291
CHU, CARY 3,177,647
CHUA, JASMINE PUAY SUSAN 3,177,282
CHUGAI SEIYAKU KABUSHIKI-KAISHA 3,177,698
CHUNG, EUIHWAN 3,186,132
CHUPRINA, MAKSIM 3,177,898
CHURCHILL, BARBARA L. 3,177,284
CI, JIANFA 3,186,492
CINTRAT, JEAN-CHRISTOPHE 3,177,129
CIPRIANI, ZENO 3,177,425
CLARIUS MOBILE HEALTH CORP. 3,185,979
CLARK EQUIPMENT COMPANY 3,177,427
CLARK, ANTHONY J. 3,186,321
CLARK, SIMON 3,177,760
CLARKSON, GEOFFREY 3,177,336
CLARKSON, LUCY M. 3,177,919
CLARKSON, LUCY MARY 3,177,916
CLARSUND, MATS 3,177,724
CLEARVUE TECHNOLOGIES LTD 3,177,700
CLIFFORD, JORDAN FRANCIS 3,180,776
CLIFFORD, JORDAN FRANCIS 3,180,777
CLIFFORD, JORDAN FRANCIS 3,180,779
CLOPAY CORPORATION 3,177,289
CLOSED LOOP MEDICINE LTD 3,177,587
CML INTERNATIONAL S.P.A. 3,177,149
COATS, BRANDON WAYNE 3,186,002
CODARRI DEAK, LAURA 3,177,288
COFFIN, AARON 3,177,376
COFFIN, STACY 3,180,085
COHN, JONATHAN 3,177,797
COHN, WILLIAM 3,177,320
COHN, WILLIAM 3,177,333
COHN, WILLIAM 3,186,596
COLAS 3,177,808
COLD HEADING CO. 3,177,953
COLEMAN, JOHNATHAN 3,186,627
COLETTI, GABRIELE 3,186,270
COLLARD, ANDREW 3,177,488
COLLIER, DAVID 3,177,587
COLLINS, BRYLER 3,185,997
COLLIS, RONALD 3,186,019
COLLIS, RONALD 3,186,020
COMBY, MORGANE 3,177,812
COMETTI, CARLO ALBERTO 3,186,603
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES 3,177,129
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES 3,174,854
COMPLEMENT THERAPEUTICS LIMITED 3,177,760
CONAGRA FOODS RDM, INC. 3,177,083
CONAGRA FOODS RDM, INC. 3,177,267
CONN, P. JEFFREY 3,186,436
CONNELL, ANDREW 3,177,534
CONOCOPHILLIPS COMPANY 3,177,404
CONRAD, ADAM 3,177,408
CONSOLO, FILIPPO 3,177,881
CONSTANTINO, MARIA L. 3,177,450
CONSTELLATION PHARMACEUTICALS, INC. 3,177,376
CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED 3,177,761
COOK, PETER J. 3,186,620
COONEN, STEVEN 3,177,700
COOPER, ANDREW 3,186,266
COOPERATIE KONINKLIJKE COSUN U.A. 3,177,590
COPIN, FRANCK 3,174,801
CORBO, SIMONE 3,177,296
CORDOBA, SHAUN 3,174,812
CORDOBA, SHAUN 3,177,773
COREALL AS 3,177,247
CORREIA DA CRUZ, JULIANA PATRICIA 3,177,082
CORTI, DAVIDE 3,177,169

COSGROVE, STEVE 3,186,141
COSMOPOULOS, KAT 3,177,444
COST, GREG 3,177,828
COSTELLO, KENNETH 3,179,270
COSTIGAN, TIMOTHY E. 3,186,604
COTA, MANUELA 3,177,401
COTICCHIA, CHRISTINE MARIE 3,186,580
COTTRON, RODOLPHE 3,177,765
COVENTRY, BRIAN 3,178,016
COVINGTON, KENDALL MARIE 3,177,650
COX, DAVID 3,177,587
COX-MURANAMI, WESLEY 3,177,278
COY, JOHANNES F. 3,177,633
CRAVER, MATTHEW 3,185,997
CRESSINA, ELENA 3,177,293
CRICHTON, ROBERT 3,177,405
CROKE, DARREN J. 3,186,634
CROMWELL, JOHN W. 3,186,024
CROSS, BENJAMIN M. 3,186,005
CROXFORD, ANDREW 3,177,335
CUCERCA, SEBASTIAN 3,186,505
CUCURULL, GUILLEM 3,177,469
CUI, YUJIA 3,177,237
CULLEN, JOHN EDWARD 3,177,405
CULLEY, ADAM 3,177,293
CURE TECHNOLOGY B.V. 3,186,320
CURLEY JR., THOMAS JOSEPH 3,186,132
CURTIN, DAMIAN MICHAEL 3,177,521
CUTTING, SEAN E. 3,177,284
CYBIN IRL LIMITED 3,177,454
CZUDNOCHOWSKI, NADINE 3,177,169
D'AGOSTINO, WERNER DAVIDE 3,177,149
D'ORIA, GABRIELE 3,177,547
DAGLOW, TERRY 3,177,320
DAGLOW, TERRY 3,177,333
DAGLOW, TERRY 3,186,596
DAHL, ANDREW A. 3,177,327
DAI, JIALIN 3,177,328
DAKOTA GROUP S.A.S. DI ZENO CIPRIANI & C. 3,177,425
DALIAN SAFE TECHNOLOGY CO., LTD 3,186,642
DALTON, JEFFREY TRAVIS 3,180,776
DALTON, JEFFREY TRAVIS 3,180,777
DALTON, JEFFREY TRAVIS 3,180,779
DAMIAN, THOMAS A. 3,177,897
DANIELS, ROBERT 3,177,686
DAS, RIDDHIMAN 3,177,679
DAVIS-COOKE, JASON 3,177,408
DAWKINS, MANJU CHACKO 3,177,346
DAWSON, JOHN LUTHER 3,186,132
DAY, CORY 3,177,534
DE BRUYNE, LORE 3,186,282
DE GAETANO, FRANCESCO 3,177,450
DE HAAN, ANDRE BANIER 3,177,590
DE LANGE, MIKE 3,186,320
DE LONG, ROBERT CHARLES 3,177,339
DE MARCO, ANNA 3,177,169
DE NIJS, ISABELLE 3,186,282
DE POMPEIS, FABIO 3,177,775
DE SA FERREIRA FACIO, CRISTIANE 3,177,314
DE VETH, MICHAEL 3,177,527
DE WAELE, LUC 3,177,254
DE WAELE, STIJN 3,177,867
DE WET, JACOBUS RUDOLPH 3,177,690
DEAN, TRAVIS ANDREW 3,180,776
DEAN, TRAVIS ANDREW 3,180,777
DEAN, TRAVIS ANDREW 3,180,779
DEARDOFF, ALAN F. 3,130,572
DEBAN, LIVIJA 3,186,261
DEBARTOLO, JOSEPH 3,186,431
DEBERRY, SHAWN R. 3,177,911
DEBING, YANNICK 3,174,825
DECHERT, MICHAEL DIETER 3,186,155
DECKER, THOMAS E. 3,177,911
DECKER, WILLIAM 3,186,035
DEELEY, NICOLA 3,177,594
DEEPQURE INC. 3,177,471
DEFRANCISCI, ALFREDO 3,177,948
DEGNER, BRIAN M. 3,177,083
DEGUZMAN, BRIAN 3,177,946
DEKA PRODUCTS LIMITED PARTNERSHIP 3,177,146
DEL CASTILLO, LINDA Y 3,177,416
DELAET, URBAIN ALFONS C 3,177,123
DELAVAL HOLDING AB 3,177,902
DELIZO, STAN 3,186,005
DELMENICO, PETER 3,177,864
DELP, EDWARD JOHN III 3,177,816
DEMARTINO, JULIE A. 3,177,685
DENG, JIE 3,177,300
DENG, XIANMING 3,186,484
DENLI, HUSEYIN 3,177,867
DERMIRA, INC. 3,186,628
DERMIRA, INC. 3,186,630
DESPLENTER, MICHIEL 3,177,598
DESSANTI BOTAFOGO GONCALVES, VITOR 3,177,314
DEUTSH, MENNY 3,177,622
DEVERAUX, QUINN 3,177,921
DEVEREAUX, JOHNNA ALISON 3,177,545
DEVI, GITALI 3,177,463
DEVLIN, MARK GRAEME 3,177,652
DEVOTO, AUDRA 3,177,828
DEXCOM, INC. 3,186,122
DIAMOND LIGHT SOURCE LIMITED 3,177,766
DIAS, ROBERTO RODRIGUES 3,177,453
DIC CORPORATION 3,177,817
DICKE, RENE 3,186,150
DICKIE, KRIS 3,185,979
DIDYK, PIOTR 3,186,505
DIEHN, MAXIMILIAN 3,177,706
DIEKER, JURGEN WILHELMUS CAROLUS 3,177,317
DIEM, MICHAEL 3,174,835
DIETRICH, ROBERT 3,186,501
DIGGETT, LISA 3,177,910
DILLEN, SENNE 3,186,282
DIMITRI, MICHAEL F. 3,177,785
DIN BELLE, DAVID 3,178,067
DING, JINYUE 3,177,452
DISANTIS, RAYMOND 3,178,013
DISC MEDICINE, INC. 3,177,830
DISC MEDICINE, INC. 3,177,888
DJOHARIAN, BEHNAZ 3,177,528
DO, HUNG V. 3,177,954
DOERNER BARBOUR, PATRICK MICHAEL 3,186,343
DOLBY LABORATORIES LICENSING CORPORATION 3,186,590
DOMINGUEZ, CELIA 3,186,583
DONG, HAIFENG 3,186,495
DONG, JIE 3,177,578
DONG, QUEHUONG THI 3,177,329
DONNELLY, SARAH CATHERINE 3,177,303
DORMODY, MICHAEL 3,186,345
DORNBIERER, DARIO 3,177,507
DOUGHERTY, BRIAN C. 3,177,140
DOUNG, SEVEING 3,177,306
DRAGONFLY THERAPEUTICS, INC. 3,177,818
DRYER, MARIANNE 3,186,070
DU, ZONGPENG 3,177,578
DUBBA, KRISHNA 3,177,469
DUCHATEAU, PHILIPPE 3,177,621
DUFFLEY, SAMUEL 3,186,474
DUFOUR, JEAN-DANIEL 3,182,229
DUGGI, VAMSHIDHAR REDDY 3,177,406
DUKE UNIVERSITY 3,177,869
DUMONT, GEOFFROY 3,174,854
DUNACH, LAURENT 3,177,656
DUPIN, ISABELLE 3,177,779
DUROT, NATHALIE 3,177,274
DURR SYSTEMS, INC. 3,177,774
DURR SYSTEMS, INC. 3,177,899
DUSTERHOFT, ZACHERY JOHN 3,186,234
E INK CORPORATION 3,177,451
EASTPOND LABORATORIES LIMITED 3,174,816
EATON INTELLIGENT POWER LIMITED 3,178,020
EBERHARD KARLS UNIVERSITAET TUEBINGEN MEDIZINISCHE FAKULTAET 3,177,673
EBERHARD, MARTIN 3,186,634
EBERLIN, LIVIA SCHIAVINATO 3,177,331
ECCELSTONE, BEN 3,177,342
ECKELMAN, BRENDAN P. 3,177,921
ECO TRAWL AS 3,177,347
ECOGREEN SOFT SPRL 3,177,395
ECOLE POLYTHECHNIQUE FEDERALE DE LAUSANNE (EPFL) 3,177,895
ECOLUTION KWH, LLC 3,177,128
EDMONSTON, DAVID 3,177,941
EDWARDS, JOSHUA 3,177,132
EGER-HUBEL, CLEMENS 3,174,835

Index of PCT Applications Entering the National Phase

EICHER-MILLER, HEATHER ANN 3,177,816
EIGHTY EIGHT PHARMA, INC. 3,177,141
EISENBERGER, PETER 3,186,592
EISENMENGER-SITTNER, CHRISTOPH 3,177,617
EL BATAWI, EMAD 3,177,941
EL MESSAOUDI, SANAA 3,177,340
ELC MANAGEMENT LLC 3,185,922
ELECTRA THERAPEUTICS, INC. 3,177,961
ELI LILLY AND COMPANY 3,177,816
ELI LILLY AND COMPANY 3,177,905
ELLIS, ANDREW MICHAEL 3,177,880
EMERGEX USA CORPORATION 3,177,297
ENG-MORRIS, JOSHUA 3,183,485
ENNIS-FLINT, INC. 3,177,555
ENTAC MEDICAL, INC. 3,186,024
ENTRINSIC, INC. 3,177,780
ENTRINSIC, INC. 3,177,889
EPINEURON TECHNOLOGIES INC. 3,152,491
EPIZYME, INC. 3,177,444
EPSTEIN, SCOTT R. 3,177,439
ERA, TAKUMI 3,177,322
ERICKSON, SARAH B. 3,177,573
ERNI, CHRISTOPH 3,177,084
ES-SAYED, MAZEN (DECEASED) 3,186,659
ESPINOSA, DIEGO 3,177,828
ETHERNA IMMUNOTHERAPIES NV 3,186,282
ETHIER, CHRISTOPHER ROSS 3,177,759
EVOQUA WATER TECHNOLOGIES LLC 3,177,306
EXONHIT SA 3,177,537
EXPRO METERS, INC. 3,177,577
EXXONMOBIL UPSTREAM RESEARCH COMPANY 3,177,867
EYEPOINT PHARMACEUTICALS, INC. 3,177,415
F. HOFFMANN-LA ROCHE AG 3,177,241
F. HOFFMANN-LA ROCHE AG 3,177,504
F.HOFFMANN-LA ROCHE AG 3,177,288
F4 PHARMA GMBH 3,177,659
FAGERLAND, INGVAR 3,177,465
FAIJERSON SALJO, JONAS 3,186,421
FALKOVSKIY, PAVEL 3,174,820
FANG, TAO 3,177,831
FANG, ZHOU 3,186,495
FARKAS, NICHOLAS 3,174,367
FARMER, ANDREW DAVID 3,186,132
FARMER, MICHAEL 3,174,780
FELTS, ANDREW S. 3,186,436
FERGUSON, DEBORAH 3,177,913
FERMION OY 3,178,062
FERREIRA, MANUEL ALLEN REVEZ 3,186,576
FERRING B.V. 3,186,146
FERRIS, DANIEL PATRICK 3,177,245
FIDELITY INFORMATION SERVICES, LLC. 3,177,440
FILIP, ETHAN 3,177,304
FILTER, TREVOR 3,177,265
FILTER, TREVOR 3,177,399
FINKELSTEIN, JACK JR. 3,177,764
FINSETH, BRYAN A. 3,177,146
FIORE, GIANFRANCO BENIAMINO 3,177,881
FIORE, SIMONA 3,186,315
FIREFLY AUTOMATIX, INC. 3,186,035
FISCHETTI, DANIEL L. 3,177,772
FISHER, SCOTT R. 3,130,572
FISHER, THOMAS 3,177,591
FLAGELLO, VICTOR 3,186,431
FLAHERTY, J. CHRISTOPHER 3,177,450
FLAHERTY, J. CHRISTOPHER 3,186,427
FLAHERTY, R. MAXWELL 3,186,427
FLAIG, STEVEN 3,177,440
FLECK, ROMAN 3,177,423
FLEISCHMANN, ARON 3,177,344
FLENDER GMBH 3,186,511
FLETCHER, GRAHAM 3,174,802
FLEXA NETWORK INC. 3,177,265
FLEXA NETWORK INC. 3,177,399
FLORA, DAVID BENJAMIN 3,177,905
FLORES, JOEL 3,177,670
FLORIDA FOOD PRODUCTS, LLC 3,177,798
FLOSS, LUKAS 3,186,602
FONTANET, LILIAN 3,186,284
FORPET S.A.R.L. 3,186,260
FORSTER, SETH P. 3,177,461
FORT, JEAN-PAUL 3,177,808
FOSTER, STEVEN 3,177,303
FOUGEROUX, CYRIELLE ELYETTE 3,177,709
FOURIE, DANIEL 3,177,544
FOUTS, PHILIP J. 3,186,420
FOUTS, PHILIP J. 3,186,422
FOW, MARK ALAN 3,177,345
FOWLER, DANIEL HARDING 3,177,588
FRADET, MATHIEU 3,177,416
FRAMATOME 3,174,801
FRANCAIS, ANTOINE 3,177,293
FRANCE, KORDEL KADE 3,186,582
FRANCINI, FILIPPO 3,186,613
FRASER, ROBERT JOHN 3,174,164
FRATANTONIO, NICHOLAS R. 3,177,513
FREEMAN, JOHN J. JR. 3,177,438
FRENCH, RUSSELL 3,180,302
FRENKEL, BORIS 3,186,336
FRIESE-HAMIM, MANJA 3,186,322
FROELICHER, DAVID 3,177,895
FRONT LINE MEDICAL TECHNOLOGIES INC. 3,176,991
FU, JIAWEI 3,177,237
FU, MINGTAN 3,186,289
FU, WENLANG 3,177,442
FUJI OIL HOLDINGS INC. 3,186,621
FUKUDA, MASAKAZU 3,177,698
FULCRUM BIOENERGY, INC. 3,177,225
FULPER, LESTER DAVID 3,177,276
FUNG, VICTOR 3,177,941
FURLONG, LEON 3,177,930
FUSE, LLC 3,177,935
FUTURE HEALTH WORKS LTD. 3,177,171
G-MOVE SOCIETA' COOPERATIVA A R.L. 3,186,270
G.D S.P.A. 3,186,406
GABEN, FABIEN 3,174,836
GAGNON, ZACHARY RICHARD 3,177,263
GAISSER, ALEXANDER 3,177,602
GAITTECH S.R.L. 3,177,832
GALDERMA HOLDING S.A. 3,177,131
GAMELIN, ANDRE 3,182,778
GAN, MING 3,177,711
GAN, MING 3,177,917
GAN, MING 3,186,283
GAN, MING 3,186,286
GANDHI, VARUN GANDHI MUKESH 3,186,002
GAO, BO 3,177,325
GAO, JUN 3,175,913
GAO, SI 3,177,575
GAO, XIN 3,177,481
GAO, YANG 3,177,535
GAO, YUKAI 3,186,640
GAPINSKI, AUSTIN 3,177,427
GARCIA, ROSALVA CASTREJON 3,177,245
GARG, SHYAM MADHUSUDAN 3,175,913
GARNSEY, MICHELLE RENEE 3,186,348
GARSUAULT, DELPHINE STEPHANIE JEANNINE MARIE-THERESE 3,177,340
GARTZ, JEFFREY 3,177,534
GARZA, KYANA 3,177,331
GAS TECHNOLOGY INSTITUTE 3,177,904
GASC, CYRIELLE 3,174,814
GATES, ANDREW 3,177,440
GATTO, STEPHEN 3,177,889
GATTO, STEPHEN J. 3,177,780
GAUTHIER, CHRISTOPHER R. 3,186,036
GAUVAIN, PIERRE MICHEL RENE 3,177,340
GAWAD, CHARLES 3,177,586
GCP APPLIED TECHNOLOGIES INC. 3,186,657
GE, HAO 3,177,304
GE, ZIYANG 3,177,923
GEERTS, MARLIES ELISABETH JOHANNA 3,177,590
GEIST, JULIE 3,186,659
GEISTER, THORIN 3,177,835
GELISSEN, ARJAN PAUL HENDRIK 3,177,845
GEMATEG INC. 3,177,782
GENOMSYS SA 3,174,759
GENOMTEC SA 3,177,886
GEORG, SILVANO 3,186,155
GEORGELOS, PAUL 3,174,827
GEORGIA TECH RESEARCH CORPORATION 3,177,759
GERNON, TAMMY 3,186,137
GETTEMY, GLEN L. 3,177,655

GETTEMY, GLEN L. 3,177,809
GETTEMY, GLEN L. 3,177,815
GETTS, DANIEL 3,135,531
GHARIBI, GHARIB 3,177,679
GHAZNAVI YOUVALARI, RAMIN 3,177,794
GHOSH, SOUMITRA S. 3,186,427
GIAIMO, JON J. 3,186,036
GIAMBASU, GEORGE MADALIN 3,177,442
GIBSON, TIM 3,185,992
GIGAGEN, INC. 3,177,152
GILBOA, SHAY 3,186,336
GILES, MORGAN B. 3,177,461
GIMMI, CLAUDE 3,186,322
GIORDANO, EMANUELE 3,186,613
GIRODET, PIERRE-OLIVIER 3,177,779
GIUNTI, MARCO 3,186,270
GLOBAL THERMOSTAT OPERATIONS, LLC 3,186,592
GLOBALONE PET PRODUCTS LLC 3,174,780
GLOBALTECH CORPORATION PTY LTD 3,177,426
GNAUERT, ROLF 3,186,650
GO, MAYBELLE DARLENE KHO 3,177,282
GODFREY, SCOTT A. 3,186,292
GOETZ, JOSHUA K. 3,183,485
GOJON-ROMANILLOS, GABRIEL 3,177,580
GOJON-ZORRILLA, GABRIEL 3,177,580
GOKMEN, TAYFUN 3,174,813
GOLDEN, MICHAEL 3,186,141
GOLDHAWK, DONNA E. 3,177,303
GOLDONI, ANDREA 3,177,832
GOLDSMITH, PAUL 3,177,587
GOLDSTEIN, ALLAN L. 3,177,764
GOLTSMAN, DANIELA S.A. 3,177,828
GOMES DE SA E SOUSA, JOAO 3,177,895
GOMES, GUILHERME 3,177,453
GOMEZ, ROBERT 3,177,452
GONG, CHANGHUA 3,177,717
GONZALEZ RAMOS, ALBERTO ALEJANDRO 3,174,810
GONZALEZ, TREVOR 3,177,869
GOOGLE LLC 3,177,302
GOOGLE LLC 3,177,964
GORESHNIK, INNA 3,178,016
GORGENS, JOHANN FERDINAND 3,177,825
GOTO, YUSAKU 3,177,817
GOTSCHALL, RUSSELL 3,177,954
GOTZEN, CHRISTIAN 3,177,823
GOTZEN, CHRISTIAN 3,177,827
GOUDREAULT, ERIC 3,182,229
GOUSSAULT, ROMAIN 3,177,085
GRABNER, ROBERT 3,177,639
GRAPHEAL 3,177,528
GRATIEN, GILLES-OLIVIER 3,177,435
GRAVINA, STEPHEN A. 3,186,321
GRAY, ALEXANDER 3,174,755
GREEN, SHANNON D. 3,177,331
GREENAWAY, CATHERINE JANE 3,186,583
GREENEARTH CLEANING, LLC 3,177,457
GREENROOM HOLDINGS LTD. 3,177,721
GREENTECH GLOBAL PTE. LTD. 3,178,018
GREENTROPISM 3,177,340
GRIFFIN, WILLIAM BRIAN 3,177,389
GRIFFITHS, NANCY C. 3,130,572
GRIFOLS WORLDWIDE OPERATIONS LIMITED 3,177,596
GRIMALDI, ANGELO 3,177,296
GRIMME LANDMASCHINENFABRIK GMBH & CO. KG 3,177,891
GRINBERG, ASYA 3,177,818
GROFF, DANIEL 3,177,292
GROSCHE, ASTRID 3,177,780
GROSCHE, ASTRID 3,177,889
GROUPE REFRACO INC. 3,182,229
GRUBER, LEWIS S. 3,177,449
GRUMANN, ARNE 3,177,922
GU, MINGGUANG 3,177,761
GUARDIAN GLASS, LLC. 3,177,414
GUEDET, TIFFANY 3,177,340
GUENOT, BENOIT 3,177,755
GUILLEMIN, FABRICE 3,177,085
GUNES, ZEYNEL DENIZ 3,177,547
GUO, MAOJUN 3,177,562
GUO, YUCHEN 3,177,711
GUO, YUCHEN 3,177,917
GUO, ZHEYUAN 3,186,321
GUPTA, AMITAVA 3,177,695
GUPTA, ANUPAM 3,183,246
GURU, KHURSHID 3,186,625
GYSLING, DANIEL 3,177,577
H.B. FULLER COMPANY 3,177,788
HAGIWARA, KATSURO 3,174,826
HAHN, ALAN D. 3,186,321
HAIDLE, ANDREW M. 3,177,442
HAILER, FREDRIK 3,177,241
HAINAN SHINER INDUSTRIAL CO., LTD., HAIKOU(CN) 3,136,565
HAJDU, ROMAN 3,177,559
HAJI REZA, PARSIN 3,177,342
HALIA THERAPEUTICS, INC. 3,186,041
HALLIBURTON ENERGY SERVICES, INC. 3,177,339
HALLOPEAU, XAVIER 3,185,982
HAMALAINEN, MR. MIKKO 3,177,676
HAMM, WILLIAM 3,177,670
HAMMADI, YACINE 3,177,755
HAMMES, KAI 3,186,307
HAN, ASHLEY 3,186,321
HAN, CHANGHO 3,186,436
HAN, GUIYUAN 3,186,345
HAN, YEN-LIN 3,186,005
HANKE, AARON 3,177,527
HANRAHAN, KRISTEN 3,174,754
HANSA BIOPHARMA AB 3,177,756
HANSON, JEFFREY 3,177,292
HANSSON, SUSANNE 3,186,605
HARDEN, JAMIE L. 3,186,628
HARDEN, JAMIE L. 3,186,630
HARKINS, VERGENE 3,177,819
HARRELL, ROBERT E. 3,177,315
HARRIS, MEG 3,177,083
HARRIS, THOMAS E. 3,177,344
HARRIS, TODD 3,177,702
HARRIS, TODD 3,177,703
HART, TREVOR R. 3,186,005
HARTE, STEVEN 3,177,295
HARTE, THOMAS 3,177,171
HARTMAN KOK, PAUL J A 3,177,123
HARTMANN, PASCAL 3,177,281
HARVEY, ANDRE 3,180,085
HASEGAWA, KATSUYUKI 3,177,130
HASEGAWA, YUKI 3,177,130
HASENFUSS, GERD 3,174,832
HASSE, MICHELLE 3,186,440
HASSLER, MATTHEW 3,177,463
HATCH LTD. 3,174,164
HATT, LOTTE 3,186,291
HAVENAR-DAUGHTON, COLIN 3,177,169
HAVLIK, LAWRENCE PATRICK 3,177,869
HAWKETT, BRIAN STANLEY 3,177,915
HAWKINS, JEFF 3,177,804
HAWKINS, JEFF 3,177,864
HAWKINS, MICHELLE 3,177,819
HAYASAKA, AKIRA 3,177,698
HAYES, HOWARD 3,185,992
HAYNES, JENNIFER 3,177,594
HAZEL TECHNOLOGIES, INC. 3,186,023
HAZEYAMA, KOHSUKE 3,186,423
HE, FENG 3,177,562
HE, JIANGPENG 3,177,816
HE, XIANG 3,177,569
HE, YUDONG 3,177,170
HEALTH RESEARCH, INC. 3,186,625
HECTOR, EMMA 3,186,285
HEDDERMAN, PATRICIA 3,186,137
HEE, CHRISTOPHER K. 3,177,686
HEINEKEN SUPPLY CHAIN B.V. 3,177,728
HEISKANEN, ISTO 3,186,349
HEISKANEN, ISTO 3,186,605
HEJAZI, VAHID 3,177,134
HEJZLAR, PAVEL 3,177,790
HELIOSONIC GMBH 3,186,305
HEMERIJCK, OLIVIER 3,177,395
HEMMERLE, THERESA 3,177,566
HENDERSON, KRIS 3,186,123
HENKEL AG & CO. KGAA 3,186,137
HERING, KELLY 3,177,544
HERMAN, GARY 3,177,918
HERRMANN, JIM 3,177,311
HERWIJNEN, HENDRIKUS VAN 3,186,150
HERZOG, CHRISTOPHER DEAN 3,177,341
HEYNS, PHILIP ERNA H 3,177,123
HIBBS, DANIEL L. 3,177,344
HICKMAN, MADELINE R. 3,186,474

HIGUCHI, RUSSELL 3,177,139
HILLERICH, JR., THOMAS ANTHONY 3,186,002
HILLSTREAM BIOPHARMA INC. 3,186,633
HILTON, KIMBERLY 3,177,650
HINMAN, WILLIAM SCHUYLER 3,177,912
HIPSKIND, JOHN DANIEL 3,186,132
HIRAOKA, YOSUKE 3,174,826
HIRKA, SERHII 3,186,482
HJERPE, MIKAEL 3,186,349
HO, YI-HSUN 3,186,598
HODE, JEAN MICHEL 3,177,765
HOFFARD, JOHANNES GERHARDUS NIELS 3,186,320
HOFFMAN, DOUGLAS CLAIRE 3,177,133
HOFMAN, PIOTR 3,177,902
HOFMANN, THOMAS 3,177,438
HOFMEISTER, ROBERT 3,177,488
HOFSTATTER, JOSEF 3,186,152
HOHMANN, PETER 3,186,303
HOLDEN, CHRISTOPHER EDWARD 3,177,357
HOLLENBAUGH, DIANE LOUISE 3,177,843
HOLLRICHER, DANIEL 3,186,307
HOLM, JENS 3,177,805
HOLMEN, MALIN 3,177,150
HOLTHOF, MICHIEL 3,186,282
HOLUB, GLENN A. 3,186,604
HONG, PATRICK 3,177,621
HONGYUN BIOTECH CO., LTD. 3,186,484
HONTSCH, MARIA 3,177,602
HOPFMUELLER, FLORIAN 3,177,422
HOPKINS, BRETT A. 3,177,442
HOPKINS, CHAD DANIEL 3,186,632
HORDEAUX, JULIETTE 3,177,407
HORDEAUX, JULIETTE 3,177,924
HORDEAUX, JULIETTE 3,177,954
HORESH, LIOR 3,174,813
HORI, JUNJI 3,177,890
HOSSEINAEE, ZOHREH 3,177,342
HOU, ZHIMIN 3,186,492
HOU, ZHIMIN 3,186,495
HOUDUSSE, FABRICE 3,177,812
HOWARD, GRAYDEN 3,177,345
HOWELL, GLADE H. 3,186,443
HOWELL, GLADE H. 3,186,461
HOWELL, GLADE H. 3,186,469
HOWELL, GLADE H. 3,186,472
HSIAO, CHIN-YUAN 3,186,333
HSIEH, HAN-YI 3,177,848
HSIEH, TIEN-LAN 3,177,848
HU, DAN 3,186,492
HU, HAN-SHU 3,186,574
HU, JUNFENG 3,177,237
HU, LU 3,177,761
HU, ZHIBO 3,177,466
HUA, XUANDONG 3,177,650
HUANG, JOYCE 3,186,498
HUANG, LEI 3,177,705
HUANG, PETER QINHUA 3,186,632
HUANG, WEI 3,186,484
HUANG, WENTAO 3,177,669
HUANG, WENWEI 3,186,586
HUANG, XIN 3,186,484
HUANG, YI-FENG 3,177,848
HUANG, YING 3,186,644
HUAWEI TECHNOLOGIES CO., LTD. 3,177,283
HUAWEI TECHNOLOGIES CO., LTD. 3,177,310
HUAWEI TECHNOLOGIES CO., LTD. 3,177,466
HUAWEI TECHNOLOGIES CO., LTD. 3,177,569
HUAWEI TECHNOLOGIES CO., LTD. 3,177,578
HUAWEI TECHNOLOGIES CO., LTD. 3,177,711
HUAWEI TECHNOLOGIES CO., LTD. 3,177,917
HUAWEI TECHNOLOGIES CO., LTD. 3,186,283
HUAWEI TECHNOLOGIES CO., LTD. 3,186,286
HUBAUX, JEAN-PIERRE 3,177,895
HUBBELL INCORPORATED 3,186,431
HUBBELL INCORPORATED 3,186,593
HUBLER, FRANCIS 3,177,335
HUFF, J. WARREN 3,177,913
HUGHES NETWORK SYSTEMS, LLC 3,177,947
HULL, JASON 3,177,819
HULTQUIST, STEVEN JOHN 3,177,584
HUNG, PEI-YUN 3,186,598
HUNTER, JOHN RICHARD 3,177,408
HUNTER, JUSTIN 3,174,754
HUO, JIANGDONG 3,177,766
HUSCHTO, TONY 3,177,504
HUSKY INJECTION MOLDING SYSTEMS LTD. 3,177,622
HUTZLER, AARON 3,186,281
HUYNH, THE VIEN 3,177,915
HWANG, JINHO 3,174,819
HYBERTSON, TRACE 3,177,440
I-OPTSENS LTD. 3,186,336
I-TEN 3,174,836
IANNUZZO, GENEROSO 3,177,775
ICOIN TECHNOLOGY, INC. 3,186,032
IDA, MASATAKA 3,174,826
IDORSIA PHARMACEUTICALS LTD 3,177,335
IFP ENERGIES NOUVELLES 3,177,085
IGARASHI, KEIJI 3,177,619
IGAWA, TOMOYUKI 3,177,698
ILLINOIS TOOL WORKS INC. 3,186,426
ILLUMINA CAMBRIDGE LIMITED 3,177,293
ILLUMINA INC. 3,177,282
ILLUMINA INC. 3,177,286
ILLUMINA INC. 3,177,299
ILLUMINA INC. 3,177,385
ILLUMINA SINGAPORE PTE. LTD. 3,177,282
ILLUMINA SINGAPORE PTE. LTD. 3,177,286
ILLUMINA, INC. 3,177,270
ILLUMINA, INC. 3,177,278
ILLUMINA, INC. 3,177,396
ILLUMISONICS INC. 3,177,342
IMAI, CHIFUMI 3,177,698
IMAI, KEN 3,177,890
IMBERT, DELPHINE 3,186,628
IMBERT, DELPHINE 3,186,630
IMERTECH SAS 3,186,307
IMFLUX INC. 3,185,997
IMFLUX INC. 3,186,125
IMFLUX INC. 3,186,127
IMFLUX INC. 3,186,129
IMMERSION SYSTEMS, INC. 3,177,884
IMPERIAL COLLEGE INNOVATIONS LIMIITED 3,177,635
IMPETUS PORTUGAL TEXTEIS, S.A. 3,177,082
INCORPORATED EDUCATIONAL INSTITUTION RAKUNO GAKUEN 3,174,826
INDIGO AG, INC. 3,177,357
INDIGO AG, INC. 3,177,408
INFLAMMATIX, INC. 3,177,170
INHIBRX, INC. 3,177,921
INNIO JENBACHER GMBH & CO OG 3,177,639
INOVA DIAGNOSTICS, INC. 3,186,478
INOVEDIS GMBH 3,186,602
INOVIO PHARMACEUTICALS, INC. 3,177,949
INSTITUT CURIE 3,177,781
INSTITUT CURIE 3,177,793
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE 3,177,129
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE - INSERM 3,177,779
INSTITUT PASTEUR DE LILLE 3,177,779
INTELEPEER 3,177,900
INTELLISAFE LLC 3,183,485
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,174,744
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,174,755
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,174,813
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,174,819
INTEVAC INC. 3,179,270
INTRAVACC B.V. 3,177,472
IORIO, MATTHEW 3,177,141
IOVANCE BIOTHERAPEUTICS, INC. 3,177,413
IRAZU BIO, LLC 3,177,338

Index des demandes PCT entrant en phase nationale

ISLAM, NAZIBUL 3,177,263
ISLEK, ZEYNEP 3,177,908
ITHIER, CARTER J. 3,186,474
IYAPPAN, SARVANAKUMAR 3,177,876
JACKO, MICHAEL S. 3,177,345
JACKSON, SHAUN 3,177,787
JACOB, LOIC 3,177,335
JAGER, JAN 3,186,320
JAGTAP, AJIT DHANANJAY 3,186,598
JAISWAL, PRERIT 3,177,772
JAKLIK, BARTLOMIEJ 3,177,902
JAMES, ALUN 3,177,661
JAMES, CHLOE 3,177,779
JAMES, RICHARD G. 3,186,620
JANAKIRAM SUBRAMANI, HARIPRASAD 3,186,049
JANGAM, SUJIT 3,177,650
JANSSEN BIOTECH, INC. 3,186,600
JANSSEN PHARMACEUTICA NV 3,174,829
JANSSEN PHARMACEUTICA NV 3,177,123
JANSSEN PHARMACEUTICA NV 3,177,672
JANSSEN PHARMACEUTICALS, INC. 3,174,825
JATTI, VINOD 3,177,533
JEANNOT, VICTOR 3,177,232
JEBSEN, CHRISTIAN 3,177,801
JENNINGS, ANDY 3,186,288
JENSEN, MICHAEL C. 3,186,029
JENSEN, PALLE SCHELDE 3,186,291
JEOL, STEPHANE 3,177,670
JEONG, CHANG WOOK 3,177,471
JEONG, CHEOLKYUN 3,186,004
JEPSON, LAUREN HRUBY 3,186,122
JESSOP, ISRAEL 3,185,235
JFE STEEL CORPORATION 3,186,612
JI, HENRY HONGJUN 3,177,770
JIANG, BIAO 3,177,252
JIANG, CHUANGXIN 3,177,325
JIANG, HAN 3,186,263
JINA PHARMACEUTICALS, INC. 3,185,993
JO, SEOK HYEON 3,177,471
JOCKEL, ANDREAS 3,186,511
JOHANNSEN, MICHAL 3,186,048
JOHANSEN, CRAIG 3,177,912
JOHNS, MARY K. 3,177,867
JOHNSON MATTHEY HYDROGEN TECHNOLOGIES LIMITED 3,177,424
JOHNSON, ADAM 3,186,029
JOHNSON, BRIAN C. 3,177,777
JOHNSON, BRIAN C. 3,177,785
JOHNSON, BRIAN C. 3,177,790
JOHNSON, CLAYTON 3,186,429
JOHNSON, DAVID SCOTT 3,177,152
JOHNSON, JAMES W. 3,174,827
JOHNSON, JOANNE 3,186,266
JOHNSON, MAXWELL DODGE 3,177,591
JOHNSON, NEIL 3,177,594
JOHNSON, PETER DAVID 3,186,583
JOHNSON, RICHARD 3,177,319
JOHNSON, RICHARD 3,177,326
JOHNSTON, SEAN 3,177,654
JOLT CHARGE PTY LTD. 3,186,444
JONCKERS, TIM HUGO MARIA 3,174,825
JONES, COLIN 3,186,049
JONG, JAMES JEHONG 3,177,947
JORBA RIBES, JAVIER 3,177,596
JORDAN, MICHAEL 3,186,137
JOSHI, MAYANK 3,186,425
JUICE TECHNOLOGY AG 3,177,084
JUILLERAT, ALEXANDRE 3,177,621
JUNG, JAE HWAN 3,177,759
JUNGE, MATTHEW A. 3,177,083
JUPELLI, MADHULIKA 3,177,632
JUUTILAINEN, TERO 3,177,561
KABRICH, NICK 3,177,408
KADIA, SIDDHARTHA 3,177,586
KAERUS BIOSCIENCE LIMITED 3,177,423
KAGUMBA, LAWINO 3,177,412
KAHN, DEAN RUSSELL 3,186,343
KAISER, STEVEN 3,177,267
KAJOLA, MATTI 3,186,513
KALANTZIS, VASILEIOS 3,174,813
KAMEL, AMIN MOHAMED 3,177,117
KAMEOKA, DAISUKE 3,177,698
KAMM, BIRGIT 3,186,150
KAMPITSCH, DAVID 3,186,298
KAMPITSCH, KLAUS 3,186,298
KANAMARU, YOSHIYUKI 3,177,890
KANDABAROW, NICHOLAS 3,177,790
KANDELIN, MR. LARS 3,177,676
KANEKO, CALEN 3,177,785
KANEKO, CALEN 3,177,790
KANKKUNEN, JUKKA 3,186,349
KANSO, ALI 3,174,819
KANTOR, ROSE 3,177,828
KAO, CHIH-HUNG 3,186,333
KARANGUTKAR, MILAN 3,177,385
KARJALAINEN, OSKARI 3,177,922
KARJALAINEN, OSKARI 3,178,062
KARLSRUHER INSTITUT FUER TECHNOLOGIE 3,177,281
KARNER, RICHARD JOHN 3,177,622
KASAPOGLU USTA, BURCU 3,177,932
KASEVA, VILLE 3,186,327
KASSA, AEMRO 3,186,579
KATO, MASAHARU 3,186,621
KATO, SHINJI 3,177,817
KATZ, NATHAN 3,177,924
KAUP, BURKHARD 3,177,443
KAUPPI, ANNA 3,186,349
KAUWE III, JOHN SAI KEONG 3,186,041
KAVURI, NARENDRA KUMAR 3,177,406
KAWAI, KIYOSHI 3,186,616
KE, PENG 3,186,143
KE, YI-YU 3,186,574
KEATING, MICHAEL 3,177,331
KEATING, SHEILA 3,177,152
KEIGHAN, GUILLAUME 3,182,229
KELA, MR. TIMO 3,177,676
KELEMEN, RACHEL E. 3,177,573
KELLERS, VINCENT 3,177,453
KELLUM, ALEX ANDREW 3,186,343
KEMP, MARK IAN 3,186,148
KEMPARAJU, VIVEK 3,177,653
KENEFICK, ROBERT 3,177,889
KERR, MARY 3,177,477
KERSHAW, MICHAEL DAVID 3,177,622
KEUNG, WALTER 3,186,288
KHAN, NAWEED AGHMAD 3,174,744
KHAN, NAWEED AGHMAD 3,174,755
KHANGAR, ABHIJEET A. 3,177,316
KHASANOV, ALISHER B. 3,177,562
KHURANA, KANIKA 3,186,583
KHVOROVA, ANASTASIA 3,177,463
KIERAS, RONALD E. 3,174,827
KILGORE, ZACHARY 3,177,265
KILGORE, ZACHARY 3,177,399
KILLEBREW, JUSTIN RICHARD 3,177,843
KIM, JEFFREY 3,177,834
KIM, KEVIN 3,177,146
KIM, KIYONG 3,177,640
KIM, SARAH 3,177,916
KIM, SARAH 3,177,919
KINESIOMETRICS, INC. 3,186,571
KIRBAS, OGUZ KAAN 3,177,908
KIRBAS, OGUZ KAAN 3,177,932
KISAK, EDWARD T. 3,177,346
KISSELEV, VALDISLAV 3,177,905
KISSINGER, CHARLES RICHARD 3,177,262
KJELLBERG STIFTUNG 3,186,503
KJELLMAN, CHRISTIAN 3,177,756
KLAUSNER, JOHANN 3,177,639
KLEIN, CHRISTIAN 3,177,288
KLEIN, GUDRUN 3,177,835
KLEIN, KEARNEY 3,177,408
KLEPPER, ROBERT 3,186,592
KLIM, GRAEME PETER ARTHUR 3,177,880
KLINGER, ANDRE 3,186,162
KLODNER, ADAM 3,177,900
KLOPFENSTEIN, YANNICK 3,177,504
KM BIOLOGICS CO., LTD. 3,186,423
KMAK, RONALD T. 3,186,599
KMOCH, SVEN 3,177,622
KNAUER, RYAN MICHAEL 3,177,810
KNOBLOCK, JASPER 3,174,754
KNOBLOCK, TANNER 3,174,754
KOCER, JARED ERNEST 3,182,267
KOETJE, ANNO 3,177,293
KOHL, MANUEL 3,177,443
KOMATSU LTD. 3,186,607
KOO, BRIAN T. 3,177,919
KOO, BRIAN THOMAS 3,177,916
KOO, YEONG-HENG 3,186,426
KORDES, MARKUS 3,177,271
KORDT, PETER 3,177,445
KORTENBUSCH, TRENT 3,177,767
KORVENNIEMI, JUHA 3,186,349
KOSANIC, DAVOR 3,177,507
KOSKIMAKI, MR. ANTTI 3,177,676
KOSTERS, PAULUS STATIUS REINIER 3,177,590

KOTANI, KAZUKI 3,174,826
KOTRC, JAKUB 3,186,281
KOYNOV, ATHANAS 3,177,461
KOZODOY, LISA 3,178,016
KRAEMER, GERD 3,177,271
KRAL, ROBERT M. JR. 3,177,913
KRISHNAN, SIDDHARTH 3,186,440
KROSSCHELL, JUSTIN 3,182,267
KRUGER, GRANT 3,177,295
KRUGLIAK, MIRIAM 3,177,537
KRUISWIJK, CORNELIA PIA 3,177,472
KUBOTA, RYO 3,177,695
KUHN, MATTHEW 3,186,596
KUHN, MATTHEW T. 3,177,320
KUHN, MATTHEW T. 3,177,333
KUIJPERS, NIELS 3,174,833
KULARATNE, SUMITH A. 3,177,883
KULCHYTSKYY, BOHDAN 3,177,422
KUMAR, GOPALKRISHNAN VIJAY 3,177,650
KUMAR, PANGANAMALA ASHWIN 3,177,650
KUMAR, PHANEENDRA 3,177,309
KUMAR, SURENDER 3,185,992
KUMIAI CHEMICAL INDUSTRY CO., LTD. 3,186,616
KUMPULAINEN, ESA 3,178,067
KUNST, JOHAN ALBERT FRANS 3,186,320
KUSAYANAGI, TOMOE 3,177,322
KUSHWAHA, AVADHESH 3,177,346
KUSUMA, ROY 3,177,925
KUZNETSOV, STEPHEN B. 3,177,447
KUZUCAN, MEHMET BORA 3,186,636
KUZUCAN, MEHMET BORA 3,186,638
KWONG, AARON THOMAS 3,186,292
KWS SAAT SE & CO. KGAA 3,177,648
KWS SAAT SE & CO. KGAA 3,177,801
KYOCERA SENCO INDUSTRIAL TOOLS, INC. 3,174,815
KYOOKA CO., LTD. 3,177,619
KYOOKA, YOSHITERU 3,177,619
LA MARZOCCO S.R.L. 3,186,613
LAAKKOLA, MR. ESA 3,177,676
LABONOVUM B.V. 3,177,553
LACROIX DE VIMEUR DE ROCHAMBEAU, DONATIEN PHILIPPE MARIE 3,186,482
LAGRANGE, TIMOTHY E. 3,177,534
LAI, MICHAEL 3,177,591
LAI, TZUNG-SHEN 3,177,660
LAI, YUNING 3,177,470
LAINEMA, JANI 3,177,794
LAIRD, ELLEN RUTH 3,186,343
LAJOIE, JASON 3,177,488
LALLEMAND, XAVIER 3,177,395
LAMB WESTON, INC. 3,177,345
LAMBERT, JOHN 3,177,652
LAMKANFI, MOHAMED 3,174,829
LAMKANFI, MOHAMED 3,177,672
LAMOTHE, REBECCA 3,177,828
LAN, LIN 3,186,495
LANDONI, GIOVANNI 3,177,881
LANDT, ANDREAS 3,177,681
LANE, THOMAS 3,177,594
LANG, JORDAN WING-HAYE 3,177,650
LANGAN, COLIN 3,177,521
LANGTRY, TONY 3,177,628
LANGTRY, TONY 3,177,960
LARES, ALAN 3,177,953
LARRING, YNGVE 3,186,587
LARSEN, MATTHEW A. 3,177,442
LARSON, PHILIP 3,177,819
LASKARIS, KONSTANTINOS 3,177,304
LAUDES, MATTHIAS 3,186,146
LAURSEN, PAUL 3,186,591
LAURUS LABS LIMITED 3,177,406
LAVIN, NICK 3,180,085
LAVOIE, MARC-MICHEL 3,182,229
LAWLESS, STEPHEN BLAISE 3,186,420
LAWLESS, WILLIAM FRANCIS, III 3,186,127
LAZO, ANTONIO 3,186,049
LE GOUIL, ELISE 3,174,807
LE LEIVRE, JASON 3,186,265
LE PAPE, PATRICE 3,177,435
LEBLANC, KEVIN M. 3,186,474
LEBRETON, JACQUES 3,177,435
LEDDARTECH INC. 3,186,303
LEDERER, JULIE 3,186,284
LEE, MATTHEW 3,186,583
LEENAERTS, JOSEPH ELISABETH 3,174,829
LEENAERTS, JOSEPH ELISABETH 3,177,672
LEFRANC, SANDRINE GODELIEVE AGNES 3,177,340
LEGACY US INC. 3,180,776
LEGACY US INC. 3,180,777
LEGACY US INC. 3,180,779
LEGROS, PHILIPPE 3,175,913
LEHMANN, UDO 3,186,305
LEI, WEI 3,186,495
LEI, XIANFU 3,186,286
LEMKEN GMBH & CO KG 3,177,823
LEMKEN GMBH & CO KG 3,177,827
LEMPP, FLORIAN A. 3,177,169
LENO, KURT E. 3,177,650
LEONARD, MICHAEL 3,177,675
LEONARDO SPA 3,177,775
LEONCINI, CLAUDIO 3,177,226
LEPPANEN, JUKKA 3,186,595
LERCHL, JENS 3,177,271
LESBURG, CHARLES A. 3,177,442
LESKINEN, MIKKO 3,178,062
LEUENBERGER, PHILIPP 3,183,285
LEVAST, BENOIT 3,174,814
LEVELL, JULIAN R. 3,177,376
LEVENA (SUZHOU) BIOPHARMA CO., LTD. 3,177,562
LEVITSKY, HYAM 3,186,261
LEVY, JONATHAN MA 3,177,481
LEVY-NISSENBAUM, ETGAR 3,177,887
LEWIS, HAYLEY 3,177,297
LI, CHENG 3,177,466
LI, DALIN 3,177,168
LI, GANGRUI 3,186,295
LI, HAIBO 3,177,555
LI, HAIHONG 3,177,562
LI, HUI 3,177,562
LI, JIAN HUA 3,186,431
LI, JIAQI 3,177,669
LI, JING 3,174,831
LI, JINMENG 3,177,831
LI, JUAN 3,177,268
LI, JUNQIANG 3,177,300
LI, XIANDA 3,177,761
LI, XIANG 3,186,580
LI, YAO 3,177,761
LI, YIQING 3,177,711
LI, YIQING 3,177,917
LI, YUNBO 3,177,711
LI, YUNBO 3,177,917
LIANG, DANDAN 3,177,711
LIANG, DANDAN 3,186,286
LIANG, LIN 3,186,640
LICHT, STUART 3,177,727
LIECHTI, MATTHIAS EMANUEL 3,177,582
LIEN, ANDREW 3,177,457
LIM, VICTOR 3,186,048
LIM, YOONG WEARN 3,177,152
LIMA, AVELINO 3,177,151
LIMBURG, BERND 3,177,241
LIN, HAIFAN 3,177,332
LIN, JUI-CHEN 3,186,427
LIN, LUOTAO 3,177,816
LIN, SHANSHAN 3,177,889
LIN, WEI 3,186,286
LIN, YI AN 3,186,507
LINCK, MARTIN B. 3,177,904
LINDBLOM, ANDERS 3,177,697
LINDMEIER, ANDREAS 3,186,511
LINDSLEY, CRAIG W. 3,186,436
LINDSTEDT, SANDRA 3,177,704
LIONNETON, ERIC 3,186,284
LIQUI-BOX CORPORATION 3,174,367
LIQUI-BOX CORPORATION 3,174,827
LIU, CHENCHEN 3,186,286
LIU, DAVID R. 3,177,481
LIU, FEIPENG 3,177,470
LIU, GUIZHONG 3,177,717
LIU, HAIXIA 3,177,252
LIU, HAIYING 3,136,565
LIU, HANG 3,177,283
LIU, HANG 3,177,310
LIU, JASON 3,177,828
LIU, JUNWEI 3,177,575
LIU, LINYI 3,177,252
LIU, LONGBIN 3,186,583
LIU, PING 3,177,442
LIU, QINGLI 3,186,132
LIU, TAO 3,186,492
LIU, TIANLIANG 3,186,289
LIU, WEN 3,177,905
LIU, XIAOHAI 3,177,293
LIU, YIN 3,177,140
LIVCHAK, ANDREY V. 3,186,588
LIVERAMP, INC. 3,186,623
LIVINGSTONE, MARK ALEXANDER 3,177,405

LIVSHITS, BENJAMIN 3,177,280
LM WIND POWER A/S 3,174,754
LOBERMANN, FLORIAN 3,186,305
LOCASCIO, NICHOLAS J. 3,177,772
LOFGREN, MICHAEL 3,177,488
LOGANATHAN, CHANDERSEKAR 3,177,125
LOGANATHAN, CHANDERSEKAR 3,177,191
LOIJAS, MARKO 3,177,258
LOIKKANEN, JOONA 3,177,697
LOKKE, GRY MERETE 3,177,255
LOMBARDI, VICTOR 3,177,799
LOPEZ-GITLITZ, ANGELA 3,177,123
LOQUE, DOMINIQUE 3,186,659
LOTTA, LUCA ANDREA 3,186,576
LOUGHHEAD, SCOTT 3,177,288
LOVEVERY, INC. 3,186,420
LOVEVERY, INC. 3,186,422
LU, FUJIAN 3,186,584
LU, LUCY 3,177,770
LU, ZHAOHUA 3,177,325
LUCAS, STEPHEN H. 3,177,225
LUCKHURST, CHRISTOPHER ANDREW 3,186,148
LUDINGTON, RICHARD 3,177,584
LUMEDA INC. 3,177,950
LUMENION GMBH 3,177,445
LUND, HANS-JACOB 3,177,404
LUNDGREN AKERLUND, EVY 3,177,704
LUNDGREN, BENJAMIN 3,177,883
LUNDQUIST, PAUL 3,186,498
LUNDQVIST, CHRISTOFFER 3,186,421
LUO, LUNBO 3,177,328
LUO, PETER PEIZHI 3,177,717
LUO, TIAN 3,177,631
LUO, ZHIJI 3,186,586
LUSSEM, BERND 3,177,845
LUTHER, ANDREW A. 3,177,408
LUUS, FRANCOIS 3,174,744
LUUS, FRANCOIS 3,174,755
LUYTEN, KATRIEN 3,177,123
LYCORED LTD. 3,177,887
LYONS, GREGORY A. 3,186,588
MA, JINGUI 3,177,261
MA, JUNGE 3,186,642
MA, KEITH FREDERICK 3,177,357
MA, WEN 3,186,642
MA, ZIJIANG 3,186,231
MA, ZIJIANG 3,186,644
MA, ZIJIANG 3,186,648
MAAT PHARMA 3,174,814
MACDONALD, BRIAN 3,177,830
MACDONALD, BRIAN 3,177,888
MACDOUGALL, TREVOR 3,177,950
MACFARLANE, MELANIE 3,177,405
MACIAS, JAMES E. 3,177,225
MACQUARIE UNIVERSITY 3,177,653
MADE SIMPLI LLC 3,186,424
MAEDA, HIROHITO 3,177,536
MAERTENS, JONAS 3,177,598
MAGDINA, ROMAN 3,177,959
MAGGS, DAVID 3,186,427
MAGNA INTERNATINAL INC. 3,177,824
MAHLER, MICHAEL 3,186,478
MAHLER, TOM 3,186,501
MAI INTERNATIONAL GMBH 3,186,298
MAKELA, MIKKO 3,178,067
MAKI, JORMA 3,177,244
MAKONDO, NDIVHUWO 3,174,744
MAKONDO, NDIVHUWO 3,174,755
MALMQVIST, MARTIN 3,186,318
MALMQVIST, MARTIN 3,186,351
MALMQVIST, MARTIN 3,186,575
MALODOBRA-MAZUR, MALGORZATA 3,177,886
MANDELL, JEFFREY 3,177,299
MANN, JAMES 3,186,141
MANNING, BRENDAN JOHN 3,186,580
MANNKIND CORPORATION 3,177,438
MANSFIELD, GEORGE 3,182,778
MAO, RUNYU 3,177,816
MARCHESINI, SIMONE 3,177,832
MARCONI TORO, MARCELO CARLOS 3,174,810
MARCOZ, ALAIN 3,177,301
MARCOZZI, TATIANA 3,177,123
MARELLI, SANDRA 3,177,109
MARIANI, ANGELICA 3,177,293
MARIN, LUIS EDUARDO 3,177,584
MARKER, TERRY 3,177,904
MARKEVITCH, MANFRED 3,177,782
MARKOWITZ, SANDORD 3,186,131
MARKOWITZ, SANFORD 3,177,946
MARSUPIAL HOLDINGS, INC. 3,177,334
MARSUPIAL HOLDINGS, INC. 3,177,337
MARTIN, CHRISTOPHER A 3,177,785
MARTIN, CHRISTOPHER A. 3,177,790
MARTIN, ESTHER MARIE 3,186,143
MARTINEZ BONASTRE, ALEJANDRO 3,177,424
MARTINEZ VITURRO, CARLOS MANUEL 3,174,829
MASIERO, ROBERTO 3,177,453
MASON, JACQUELINE M. 3,174,802
MATERIAL HANDLING SYSTEMS, INC. 3,186,002
MATINSPIRED B.V. 3,174,833
MATSUMOTO, MIYUKI 3,186,423
MATZEL, ARNE 3,177,247
MAW, JASON C. 3,177,897
MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V. 3,186,505
MAXWELL, CHARLES V. 3,186,609
MAXWELL, TIMOTHY 3,177,457
MAY, JOHN CAMPBELL 3,185,983
MAZEAU, THIERRY 3,177,765
MCBRIDE, JERE W. 3,177,631
MCCAMPBELL, ADRIENNE 3,186,048
MCCARTHY, DERRICK 3,177,488
MCCLANAHAN, JOE 3,177,534
MCCUE, MICHAEL ALAN 3,186,002
MCDONALD, ALICE 3,177,444
MCDONALD, JACOB SAMUEL 3,177,357
MCDONALD, SETH 3,177,299
MCGEE, JOHN K. 3,177,289
MCGLADE, C. JANE 3,186,268
MCGOVERN, DERMOT P. 3,177,168
MCGOWAN, MEREDETH A. 3,177,442
MCGRATH, DAVID S. 3,186,590
MCGREGOR, DAVID S. 3,177,265
MCILROY, DAVID 3,177,670
MCKEAGUE, MAUREEN 3,186,482
MCKENZIE, CALLUM 3,174,812
MCKIBBEN, AARON P. 3,177,309
MCMASTER UNIVERSITY 3,177,571
MCNAMEE, DOUGLAS 3,186,444
MCQUARRIE, TERRY 3,177,703
MEBATSION, TESHOME 3,186,579
MEDIMMUNE LIMITED 3,186,143
MEDINA THEN, JOHANNE G. 3,177,128
MEDINA-CUCURELLA, ANGELICA V. 3,177,152
MEDITATI PTY LTD 3,177,592
MEDIZINISCHE UNIVERSITAT WIEN 3,177,617
MEDTRADE PRODUCTS LIMITED 3,177,594
MEEHAN, RICHARD JOHN 3,186,004
MEEHAN, SHAUN 3,177,544
MEFFORD, WILSON J. 3,186,474
MEGIN OY 3,186,513
MEHRMOHAMADI, MAHYA 3,177,706
MEI, MENG 3,177,325
MEILEN, JOSEPH 3,186,321
MEINSTER, JOHN 3,177,598
MEIOGENIX 3,177,781
MEIOGENIX 3,177,793
MELANSON, JUSTIN 3,177,249
MELCHOR, JONATHAN 3,177,320
MENIPAZ, AMIT 3,177,408
MENON, RAMKUMAR 3,186,291
MERCHANT, MELINDA 3,177,444
MERCIER, JULIEN 3,185,982
MERCK HEALTHCARE KGAA 3,177,685
MERCK PATENT GMBH 3,186,322
MERCK SHARP & DOHME LLC 3,177,442
MERCK SHARP & DOHME LLC 3,177,461
MERCK SHARP & DOHME LLC 3,177,576
MEREDITH, PHILIP J. 3,186,588
MERER, GOULVEN 3,177,129
MERLINI, MARCO 3,186,270
MERZ PHARMA GMBH & CO. KGAA 3,177,835
MESCHI, OSCAR 3,177,343
MESTERHAZY, DAVID 3,177,504
METAGENOMI, INC. 3,177,828
MEYBOHM, PATRICK 3,177,659
MEYER, COLIN 3,177,913
MEYER, EMMANUEL 3,177,335
MGI TECH CO., LTD. 3,186,498
MICHAUD, NEIL 3,177,444
MICK, THEODORE 3,177,320
MICROPORT UROCARE (JIAXING) CO., LTD. 3,177,237
MIDIC, UROS 3,177,170
MILBY, RANDY 3,186,633

MILLER, BRANDON 3,177,834
MILLER, MIKE 3,177,344
MILLET, ANTHONY 3,186,659
MILLS, CHRIS 3,177,320
MILLS, MATTHEW ROBERT 3,186,583
MILOSAVLJEVIC, MILAN 3,186,158
MILWAUKEE ELECTRIC TOOL CORPORATION 3,177,316
MINNESOTA ICE SCULPTURES L.L.C. 3,177,315
MIOZZA, MAURIZIO 3,177,782
MISHRA, PRIYA 3,186,004
MISSION THERAPEUTICS LIMITED 3,186,148
MITEK HOLDINGS, INC 3,177,767
MITHIEUX, SUZANNE M. 3,177,686
MITROS, ANIA 3,186,634
MITSUBISHI ELECTRIC CORPORATION 3,177,890
MITTENESS, BRADLEY M. 3,177,819
MITZMACHER, MICHAL GRAFF 3,177,686
MIURA, SHINOBU 3,177,285
MIZRAHI, RENA AVIVA 3,177,152
MOADDEL, TEANOOSH 3,177,115
MOGANTY, SURYA 3,177,541
MOHAMMAD, ANEES 3,186,633
MOLCYCLE OY 3,186,595
MOLLARD, ALEXIS HENRI ABEL 3,186,041
MOLLER, CLAUS SCHMIDT 3,186,269
MOLNAR, DENNIS 3,177,654
MOLNLYCKE HEALTH CARE AB 3,177,150
MONDAL, ANUPAM 3,186,586
MONK, SAMUEL 3,177,345
MONOGRAM ORTHOPAEDICS INC. 3,186,045
MONOTONY.AI, INC. 3,186,474
MONTAGNE, CYRIL 3,186,659
MONVOISIN, ERIC 3,177,656
MOONEY, AINE 3,186,137
MOONEY, JAMES 3,177,534
MOORE, DEBORAH 3,186,137
MORASSE, JEAN-PHILIPPE 3,182,229
MORELOCK, DAVID MICHAEL 3,182,778
MORENO, DAVID AUSTIN 3,186,343
MORENO, DIMAS ECHEVERRIA 3,177,463
MORI, HIROAKI 3,186,423
MORIYASU, KAZUKI 3,177,536
MORRIS, RONALD 3,177,702
MORRIS, RONALD 3,177,703
MORSE, JENNIFER VELASQUEZ 3,186,424
MOSIER, SEAN 3,177,790
MOSIER, SEAN T. 3,177,785
MOSSOBA, MICHAEL 3,177,132
MOUTANABBIR, OUSSAMA 3,177,142
MOVYCHEM, S.R.O. 3,177,959
MRAVCAK, VLADIMIR 3,177,912
MS PEN TECHNOLOGIES, INC. 3,177,331
MUELLER, BERNHARD 3,177,830
MUELLER, BERNHARD 3,177,888
MUELLER, LORETTA 3,177,517
MUHLBAUER GMBH & CO. KG 3,186,158
MULLER, MARTIN 3,177,617
MULLER, MATHIEU 3,183,285
MULLIGAN, JOHN THOMAS 3,177,843
MULTI-MAGNETICS INCORPORATED 3,177,303
MULTIPLEXDX, S.R.O. 3,177,559
MURATORE, MICHAEL ERIC 3,174,829
MURATORE, MICHAEL ERIC 3,177,672
MUSAYEV, YASHAR 3,186,162
MUSCHAWECK, JULIUS 3,186,653
MUSUMECI, MARCO 3,186,270
MYCOTECHNOLOGY, INC. 3,186,321
MYELOID THERAPEUTICS, INC. 3,135,531
MYTECH CO.,LTD. 3,177,130
MÆHLE, OLE ALEXANDER 3,177,465
NACUITY PHARMACEUTICALS, INC. 3,186,285
NADAL, MARINA 3,186,321
NADGOWDA, SHRIPAD 3,174,819
NAGARAJAN, BADRINATH 3,186,345
NAISMITH, JAMES 3,177,766
NAKAYAMA, KAZUHIKO 3,177,285
NAMVAR, SAMAN 3,177,721
NAMY, OLIVIER 3,177,129
NANA PRODUCTS LLC 3,186,627
NANJING CHEVRON INDUSTY CO., LTD. 3,186,289
NANOBIO DETECTION SYSTEMS LLC 3,186,582
NANTES UNIVERSITE 3,177,435
NAPIER, SPENCER 3,177,534
NARDUCCI, DARIO 3,177,782
NATARAJAN, ARVIND 3,177,413
NATIONAL HEALTH RESEARCH INSTITUTES 3,186,574
NATIONAL UNIVERSITY CORPORATION KUMAMOTO UNIVERSITY 3,177,322
NATIONAL UNIVERSITY OF SINGAPORE 3,177,282
NEC CORPORATION 3,186,640
NEKKAR AS 3,177,762
NELDE, ANNIKA 3,177,673
NELSON, DAVID 3,177,304
NEMECEK, LUBOMIR 3,177,959
NENONEN, JUKKA 3,186,513
NEOPERL AG 3,186,333
NERI, MARGHERITA 3,177,401
NERNBERGER, KROY EVERETT 3,177,958
NERRE THERAPEUTICS LIMITED 3,177,477
NESI, DAVIDE 3,186,270
NESTERENKO, IGOR 3,177,910
NEW GROWING SYSTEMS, S.L. 3,177,699
NEWPORT, CASEY LAINE 3,177,339
NEWSAM, JOHN M. 3,177,346
NEXTNAV, LLC 3,186,345
NGAKO KADJI, FRANCOIS MARIE 3,174,826
NGUYEN, ANH TUAN 3,177,834
NGUYEN, DUC NGOC 3,177,915
NGUYEN, STEVEN 3,177,320
NGUYEN, STEVEN 3,177,333
NGUYEN, STEVEN 3,186,596
NICOLAS, ALAIN 3,177,781
NICOLAS, ALAIN 3,177,793
NICOLAS, LIONEL 3,186,659
NICOLINI, VALERIA G. 3,177,288
NIEDECKEN, ARIEL 3,177,152
NIELSEN, FLEMING LASSEN 3,186,048
NIELSEN, JORGEN S. 3,174,830
NIEWELS, JOACHIM JOHANNES 3,177,622
NIKITENKO, SERGEI SERGEEVICH 3,186,260
NIRANTAR, SAURABH RAJENDRA 3,177,282
NIRANTAR, SAURABH RAJENDRA 3,177,286
NISHIMOTO-ASHFIELD, AKIKO 3,186,263
NITTA GELATIN INC. 3,174,826
NIU, YULONG 3,177,328
NIVOROZHKIN, ALEX 3,177,454
NOHMS TECHNOLOGIES, INC. 3,177,541
NOKIA TECHNOLOGIES OY 3,177,794
NOORFESHAN, SAHM 3,186,005
NORDEN, DANIEL SCOTT 3,177,810
NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG 3,177,681
NORFOLK, LINDA M. 3,177,670
NORMAN, GARY L. 3,186,478
NORTHEAST GAS ASSOCIATION 3,186,591
NOVAK, EUGENE 3,177,898
NOVELQUIP FORESTRY (PTY) LTD 3,185,980
NOVOZYMES A/S 3,177,235
NUOVO PIGNONE TECNOLOGIE - S.R.L. 3,177,296
O'BRIEN, DR. MARK 3,177,594
O'BRIEN, MEAGAN P. 3,177,918
O'CARROLL, EMMA 3,177,521
O'HENEY, ADRIAN PAUL 3,177,521
O'NEIL, KARYN 3,177,330
O'SHEA, CONOR 3,177,521
OCADO INNOVATION LIMITED 3,186,280
OEHLRICH, DANIEL 3,174,829
OEHLRICH, DANIEL 3,177,672
OFFER, TAL 3,177,887
OGILVIE, KEVIN ALEXANDER 3,186,348
OHTSUBO, HIROFUMI 3,186,612
OKADA, SHANNON LEE 3,177,843
OKONIEWSKI, MICHAL M. 3,174,830
OLIPHANT, KENDALL LEE 3,177,690
OLIVERIA, ALEXANDRA 3,177,207

OLSEN, KAROLINE SJODAL 3,177,255
OLSEN, LEIF ERIC 3,177,304
ON TARGET LABORATORIES, LLC 3,177,883
ONCOUR PHARMA, INC. 3,177,311
ONEN, OGUZHAN 3,174,813
ONFARMHATCHING LTD 3,177,930
ONPOINT VISION, INC. 3,177,409
ONUOHA, SHIMOBI 3,177,773
OPSTAD, LARS-KRISTIAN 3,177,255
ORENGO, JAMIE M. 3,177,918
ORFAO DE MATOS CORREIA E VALE, JOSE ALBERTO 3,177,314
ORION CORPORATION 3,177,922
ORION CORPORATION 3,178,067
ORSI, DOUGLAS L. 3,186,436
ORTHODONTIC RESEARCH AND DEVELOPMENT, S.L. 3,177,403
ORTIZ-TORAL, PEDRO 3,177,904
OSAGAWA, KENTA 3,186,607
OSOULI, KASRA 3,177,450
OSPEDALE SAN RAFFAELE S.R.L 3,177,881
OTT, TONI 3,178,020
OTTERLEI, MARIT 3,177,156
OWEIMREEN, TARIQ 3,177,151
OWEN OIL TOOLS LP 3,177,534
OWENS, RAYMOND 3,177,766
OXFORD UNIVERSITY INNOVATION LIMITED 3,177,766
OY HALTON GROUP LTD. 3,186,588
OZMEN, ZEKERIYA 3,177,459
PACCAR INC. 3,186,005
PACHOUD, WILLIAM 3,177,792
PACKERLAND WHEY PRODUCTS D/B/A FERMENTED NUTRITION 3,177,527
PADRO, KENNY 3,186,431
PAEZ REGADERA, ANTONIO MANUEL 3,177,596
PAGNIEZ, FABRICE 3,177,435
PALAI, FEDERICO 3,186,270
PALANISAMY, PRABHU 3,177,385
PALANISAMY, PRABHU 3,177,396
PALDAVICIUS, DOVYDAS 3,186,311
PALFREYMAN, MICHAEL 3,177,454
PAN, KE 3,186,594
PAN, YUEYUAN 3,177,125
PAN, YUEYUAN 3,177,191
PANCHAL, DIGISHKUMAR MANUBHAI 3,186,134
PANCHAPAKESAN, RAJAGOPAL 3,177,278
PANDIT, RAJAY 3,177,921
PANDITA, SANDEEP 3,186,425
PANG, WENFENG 3,186,492
PANICKER, SANDIP 3,177,329
PANICKER, SANDIP 3,177,961
PAPAL, SAMANTHA 3,186,586
PAPANIKOLAOU, VASILEIOS 3,177,304
PAPWORTH, MONIKA ANNA 3,186,143
PARDES BIOSCIENCES, INC. 3,186,288
PAREKH, ASHA 3,176,991
PARK, JONG WON 3,177,665
PARK, JOOYOUNG 3,178,016
PARK, SOO JEAN 3,177,653
PARKER, JULIE 3,177,334
PARKER, JULIE 3,177,337
PARKER, WILLIAM P. 3,177,334
PARKER, WILLIAM P. 3,177,337
PARTRIDGE, NICHOLAS KIM 3,185,983
PASCHKE ULTRASONIX LLC 3,186,070
PASCHKE, NOEL S. 3,186,070
PASCHKE, RICHARD H. 3,186,070
PASION, JULIUS 3,177,900
PATEL, DIVYANG 3,186,425
PATEL, JIGNESH 3,177,631
PATEL, RAVI 3,186,596
PATEL, SIDDHARTH 3,177,941
PATERSON, JUDY CHRISTIANE 3,186,143
PATIL, HRISHEEKESH 3,186,045
PATIL, MADHAV DEVIDAS 3,186,002
PATRIOT-NRG, LLC 3,177,898
PATTANAYEK, SOUMEN 3,186,425
PATTERSON, CHLOE C. 3,177,083
PAUL, ANIRBAN 3,186,582
PAUL, EVAN D. 3,177,559
PAUWELS, FREDERIK 3,174,825
PAWAR, DILIP 3,177,876
PAWSEY, STEPHEN 3,177,477
PAYDAVOSI, SARAH 3,177,451
PAYNE, ROBERT MICHAEL 3,177,687
PAZ, JEANNE T. 3,177,879
PEARSON EDUCATION, INC. 3,177,839
PEISAJOVICH, SERGIO 3,177,282
PEISAJOVICH, SERGIO 3,177,286
PEISAJOVICH, SERGIO 3,177,299
PELLEREY, PIERRE 3,177,304
PELTONEN, VESA TUOMAS KRISTIAN 3,185,983
PENNINGTON, ELLIOT SINCLAIR 3,186,474
PEPIN, XAVIER JACQUES HENRI 3,186,141
PEREZ BENITO, LAURA 3,177,672
PEREZ, FLORENT JULES ADRIEN 3,177,340
PEREZ, JENNIFER M. 3,177,830
PEREZ, JENNIFER M. 3,177,888
PERLEE, LORAH 3,177,918
PERLMUTTER, ROGER M. 3,177,576
PERRY, MARTIN 3,177,941
PERRY, NICHOLAS 3,177,389
PESTANA, GONCALO 3,177,280
PETERS, KEVIN 3,177,415
PETERSON, RICHARD ERNEST 3,177,716
PETRILLO, STEVEN 3,177,437
PETRUCHA, MICHAEL 3,177,941
PFIZER INC. 3,186,348
PFUND, WILLIAM P. 3,177,327
PHAM, QUAN 3,177,573
PHAN, HUY QUOC 3,177,171
PHARMAIN CORPORATION 3,186,263
PHIBRO ANIMAL HEALTH CORPORATION 3,186,604
PHIELIX, COEN PETER 3,177,472
PHILIPP, THOMAS 3,186,152
PHILOGEN S.P.A 3,177,566
PICHETTE, STEPHANIE 3,186,266
PICK, CHRISTOPHER M. 3,177,265
PICKUS, SARAH KATE 3,186,122
PIELKA, IZABELA 3,177,886
PIEREDER, HERBERT 3,177,445
PIERSON, KEITH 3,177,899
PIETANZA, MARIA CATHERINE 3,177,576
PIETIKAINEN, PEKKA 3,178,067
PIKE ENTERPRISES, LLC 3,174,817
PIKE, J. ERIC 3,174,817
PIMPLE, SRIKANT 3,177,406
PING, ERIC W. 3,186,592
PINTO, DORA 3,177,169
PIRSKANEN, JUHO 3,186,327
PISHARODI, MADHAVAN 3,177,800
PITCHER, STEPHEN N. 3,177,251
PIVATO, OLIVIO 3,179,185
PIZZUTO, MATTEO SAMUELE 3,177,169
PLAID INC. 3,177,591
PLANETA, ROLAND M. 3,177,133
PLANTAMURA, EMILIE 3,174,814
PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H. 3,186,152
PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H. 3,186,164
PLESKACH, BORIS 3,177,898
PMOTION, INC. 3,186,651
PODRACKY, CHRISTOPHER J. 3,177,481
POE, GARRETT 3,177,412
POIROT, LAURENT 3,177,621
POLAND, DENNIS CORNELIS WILHELMUS 3,177,553
POLITECNICO DI MILANO 3,177,450
POLITECNICO DI MILANO 3,177,570
POLITECNICO DI MILANO 3,177,881
POLIVKOVA, JANA 3,186,348
POLLARD, JORDAN LEE 3,177,408
PONTI, FEDERICA 3,177,570
PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE 3,174,810
POPERE, BHOOSHAN 3,186,611
POPP, ANDREAS 3,177,830
POPP, ANDREAS 3,177,888
POPPY, GERALD 3,177,527
PORZGEN, LAURA 3,177,443
POSEY, JR. DAVID W. 3,177,911
POTAPENKO, LIUBOV 3,177,898
POVILAITIS, SYDNEY CORDANO 3,177,331
POWELL, DAVID ANDREW 3,177,452
POWER, ADAM 3,176,991
POWERLIFT DOOR CONSULTANTS, INC. 3,177,716
POWERS, RICHARD 3,177,884
PPG INDUSTRIES OHIO, INC. 3,177,911
PRABHAKAR, RAJ 3,177,341
PRANA THORACIC, INC. 3,177,320

PRANA THORACIC, INC. 3,177,333
PRANA THORACIC, INC. 3,186,596
PRASAD, SHALINI 3,186,582
PRATO, FRANK S. 3,177,303
PRATT, BENJAMIN 3,186,632
PRATT, PAUL RICHARD 3,177,687
PRAUSNITZ, MARK R. 3,177,759
PRAXIS PRECISION MEDICINES, INC. 3,177,277
PREMIERE, INC. 3,186,123
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,177,481
PRESLAR, ADAM TRUETT 3,186,023
PRESTAT, EMMANUEL 3,174,814
PREVEL, RENAUD 3,177,779
PRIBITZER, STEFAN 3,177,617
PRICE, TONIA 3,177,592
PRIYANANDA, PRAMITH 3,177,915
PROFILE PRODUCTS L.L.C. 3,177,810
PROFOUND MEDICAL INC. 3,174,820
PROHASKA, REINER 3,186,653
PROKARIUM LIMITED 3,186,261
PROUDFOOT, JOHN 3,177,423
PRUETT, JED 3,186,592
PRYOR, STEVEN E. 3,186,581
PU, QINGLIN 3,177,442
PU, WILLIAM T. 3,186,584
PUCELLA, GIOVANNI 3,182,229
PUGLIESE, KAITLIN 3,177,299
PUISIS, JOHN 3,177,311
PULE, MARTIN 3,174,812
PULE, MARTIN 3,177,773
PULICI, MICHELE 3,177,109
PULTE, IRENA 3,177,835
PURSER, DANNY C. 3,177,251
PYNE, KEITH 3,186,651
PYRGELIS, APOSTOLOS 3,177,895
PYSZCZEK, RAFAL 3,177,639
QI, TAO 3,186,231
QI, TAO 3,186,644
QI, TAO 3,186,648
QIAN, JIANG 3,186,492
QIAN, RANDOLPH 3,177,268
QIAO, ZHIGUO 3,186,495
QIU, XING 3,177,252
QUANTMEYER, CHRISTIAN 3,177,648
QUANTMEYER, CHRISTIAN 3,177,801
QUEIROGA FIGUEIREDO, ALBERTO 3,177,082
QUERCIA, MARCO 3,177,296
QUIJANO RUBIO, ALFREDO 3,178,016
QUINTEN, THOMAS RONALD A 3,177,123
QUISEL, JOHN 3,177,830
QUISEL, JOHN 3,177,888
R.P. SCHERER TECHNOLOGIES, LLC 3,177,276
RAATIKAINEN, OLAVI 3,186,595
RACHELE, JOHNNY STEVE 3,177,864
RADVANSZKA, MONIKA 3,177,559
RADZIEJ, ANJA 3,177,845
RAGHUPATHY, ARUN 3,186,345
RAHBEK, JENS EG 3,186,508
RAI STRATEGIC HOLDINGS, INC. 3,177,134
RAIS-ZADEH, MINA 3,177,416
RAKOTONDRAINIBE, ANDRE 3,177,755
RAM, SHASTRI 3,177,321
RAMAKRISHNAN, RAMESH 3,177,133
RAMMENSEE, HANS-GEORG 3,177,673
RAMOS MORENO, TANIA 3,177,704
RAMOS, STEPHANIE 3,177,949
RAMOT AT TEL-AVIV UNIVERSITY LTD. 3,174,813
RAPA THERAPEUTICS, LLC 3,177,588
RASTEN, EGIL 3,186,587
RASTORGUEV, DMITRII SERGEEVICH 3,186,260
RATKE, CHRISTOPH 3,177,648
RATKE, CHRISTOPH 3,177,801
RATTENBACH, REVITAL 3,177,779
RATZISBERGER, DOMINIK 3,186,511
RAVASI, MASSIMO 3,174,759
RAVEN INDUSTRIES, INC. 3,180,085
RAVEN INDUSTRIES, INC. 3,182,267
RAVINA, BERNARD 3,177,277
RAVISHANKAR, CHANNASANDRA 3,177,947
RAVN, KATARINA KIILERICH 3,186,291
RAWERT, JURGEN 3,177,942
RAWLINGS, DAVID J. 3,186,620
RAY, JACOB G. 3,177,133
RAY, JACOB G. 3,177,151
RAYALA, SIVA RAMAKRISHNA 3,177,406
RAYTHEON COMPANY 3,177,447
REATA PHARMACEUTICALS HOLDINGS, LLC 3,177,913
RECURIUM IP HOLDINGS, LLC 3,186,632
REDAELLI, ALBERTO 3,177,881
REDDY, KIRAN 3,177,277
REDFORD, STEVEN G. 3,180,085
REED, CHARLES 3,177,949
REEVES, KIM 3,180,777
REGEDANZ, ROBERT 3,177,910
REGENERON PHARMACEUTICALS, INC. 3,177,918
REGENERON PHARMACEUTICALS, INC. 3,186,576
REGENERX BIOPHARMACEUTICALS, INC. 3,177,764
REICHBAUER, THOMAS 3,186,162
REICHELT, NORBERT 3,186,507
REILLY, SUSAN 3,186,137
REINHARDT, PETER 3,177,544
REMEC, ANDREW 3,177,146
REN, CHAOWEI 3,177,252
REN, LI 3,186,343
RENSON SUNPROTECTION-SCREENS NV 3,177,598
REPI S.R.L. 3,177,109
RESAPP HEALTH LIMITED 3,185,983
RESCH, RAINER 3,186,501
RESEARCH DEVELOPMENT FOUNDATION 3,177,631
RETHORET, CHRISTOPHE 3,183,285
REVOLTAR, ANDREW 3,177,650
REYNOLDS, KEVIN 3,177,436
RHAEOS, INC. 3,186,440
RHEINMETALL SOLDIER ELECTRONICS GMBH 3,177,602
RHODES, CHRISTOPHER A. 3,186,427
RHYNE, LEE D. 3,186,049
RIBECA, PAOLO 3,174,759
RIBOPRO B.V. 3,177,317
RICH, LEWIS L. 3,177,225
RICHARD-BILDSTEIN, SYLVIA 3,177,335
RICHARDS, ANDREW JOHN MCGLASHAN 3,177,587
RICHINS, SARA HALL 3,186,420
RICHINS, SARA HALL 3,186,422
RICHTER, BODO 3,186,135
RIEGEL, RYAN 3,174,744
RIEGEL, RYAN 3,174,755
RIGBY, THOMAS CREASON 3,186,420
RIGBY, THOMAS CREASON 3,186,422
RIGGERT, LASSE 3,177,681
RILEY, JESSICA 3,186,634
RINDERKNECHT, MIKE 3,177,504
RINGEMANN, CHRISTIAN 3,177,504
RIVAL, ARNAUD 3,177,278
ROAN, DANELLE 3,177,345
ROAT, KENNETH M. 3,177,312
ROBBINS, ANDREW 3,186,141
ROBERTS, MARK F. 3,186,657
ROBINETTE, STEVEN 3,177,830
ROBINETTE, STEVEN 3,177,888
ROBINSON, DERICK C. 3,174,815
ROBLEY, BRIAN 3,177,819
ROCK, BRIAN 3,186,431
ROCKWOOL A/S 3,186,508
RODERICK, KEVIN 3,179,270
ROHDICH, FELIX 3,186,322
ROLL, SUSANNA 3,177,835
ROLLINS, LEE JR. 3,174,822
ROMAN, SCOTT CHARLES 3,185,922
ROMANELLI, MASSIMO 3,177,450
RONAGH, POOYA 3,177,422
ROSA, JOSE GUILLERMO 3,177,115
ROSE, EILEEN LINGSHU 3,177,961
ROSEMAN, MATTHEW 3,177,897
ROSENTHAL, ADAM DAVID 3,177,329
ROSENTHAL, ADAM DAVID 3,177,961
ROSS, JULIAN 3,177,891
ROSSI, STEPHEN A. 3,177,650
ROSTAING, LAURENT PATRICE 3,174,807
ROTA, FILIPPO 3,186,583
ROTSCH, DAVID A. 3,186,599
ROUH, ALAIN 3,174,807
ROUILLARD, STEPHANE 3,177,274
RUDOLPH, JEFFREY 3,177,774
RUDOLPH, JEFFREY 3,177,899
RUESINK, MARKUS ANTON 3,186,320
RUMBAUT, SOFIE 3,177,598
RUOLA, VILLE 3,177,258

RUSCHMEIER, MATT 3,174,827
SABIRON, GUILLAUME 3,177,085
SACCO, PAOLO 3,177,149
SACRAMENTO, CHESTER BITTENCORT 3,177,341
SAFESEAL-SYSTEMS 3,186,019
SAFESEAL-SYSTEMS 3,186,020
SAFRAN LANDING SYSTEMS 3,177,880
SAFRAN LANDING SYSTEMS CANADA INC. 3,177,880
SAGA, HIROHISA 3,186,621
SAHAI, DEEPAK 3,177,547
SAHIN, FIKRETTIN 3,177,908
SAHIN, FIKRETTIN 3,177,932
SAIDIAN, MILAD 3,177,809
SAITO, RYO 3,177,890
SAKATA INX CORPORATION 3,177,536
SAKO OY 3,177,542
SAKO OY 3,177,822
SAKO OY 3,177,920
SAKWA-NOVAK, MILES 3,186,592
SALAZAR, JORGE 3,177,320
SALAZAR, JORGE 3,186,596
SALIBA, DANIEL 3,186,482
SAMANT, PRADNYA PRAKASH 3,182,778
SAMMONS, MATTHEW FORREST 3,186,348
SANDUSKY, JIMMY 3,186,588
SANDVIK MINING AND CONSTRUCTION OY 3,177,113
SANDVIK MINING AND CONSTRUCTION OY 3,177,244
SANDVIK MINING AND CONSTRUCTION OY 3,177,676
SANDVIK MINING AND CONSTRUCTION TOOLS AB 3,177,244
SANDVIK MINING AND CONSTRUCTION TOOLS AB 3,177,697
SANKARANARAYANAN, SETHU 3,177,879
SANO, TAKAAKI 3,177,536
SANYAL, SULAGNA 3,177,442
SARBONNE UNIVERSITE 3,177,129
SARBONNE UNIVERSITE 3,177,781
SARBONNE UNIVERSITE 3,177,793
SARONG SOCIETA' PER AZIONI 3,186,606
SARONG SOCIETA' PER AZIONI 3,186,608
SARRIAS, MERISSA 3,177,661
SASOL CHEMICALS GMBH 3,177,845
SASSANELLI, GIUSEPPE 3,177,296
SATHE, DHANANJAY 3,177,876
SATO, YOICHI 3,177,536
SAUNDERS, JOHN 3,177,473
SAV, SINEM 3,177,895
SCANZILLO, THOMAS 3,186,431
SCHECHTER, STUART E. 3,186,474
SCHEEFHALS, AUGUSTINUS PETRUS HENRICUS 3,174,805
SCHEIDEGGER, MILAN 3,177,507
SCHELLENBERG, JAMES 3,177,473
SCHEMBRI, CAROL T. 3,186,048
SCHENSE, JASON 3,177,450
SCHERWITZ, SAM 3,177,928
SCHEUERMANN, ENRICO B. 3,177,648
SCHEUERMANN, ENRICO B. 3,177,801
SCHIERL, RALF 3,177,633
SCHLAGE LOCK COMPANY LLC 3,177,309
SCHLOSS, PHILIP M. 3,177,785
SCHLOSS, PHILIP M. 3,177,790
SCHLUMBERGER CANADA LIMITED 3,186,004
SCHMALENBACH, PHILIPP 3,177,443
SCHMID, GUNTER 3,186,162
SCHMIDT, BRAM WOLFGANG 3,186,320
SCHMITT-BOULANGER, MARION 3,177,340
SCHNARRENBERGER, MARTIN 3,186,303
SCHNEIDLER, TOBIAS JAN 3,183,285
SCHNICK, MICHAEL 3,186,503
SCHNIEBEL, MICHAEL 3,186,570
SCHOBER, FRANZ XAVER MICHAEL 3,186,511
SCHOEMAN, LODEWYK 3,185,980
SCHOENING, KENNETH F. 3,177,305
SCHOENWAELDER, SIMONE 3,177,787
SCHREIBER, STEFAN 3,186,146
SCHRODL, CHRISTOPH 3,177,542
SCHRODL, CHRISTOPH 3,177,822
SCHRODL, CHRISTOPH 3,177,920
SCHULTE, DOMINIK 3,186,146
SCHULTES, CHRISTOPH 3,186,322
SCHWARTZ, LAURA E. 3,186,474
SCHWEIDLER, SIMON 3,177,281
SCHWICKART, MARTIN 3,177,632
SCHWOPE, REINHARD 3,186,501
SCOTT, ESTHER 3,186,429
SCOTT, MAX 3,177,112
SCP R&D LLC 3,177,140
SCRIVENS, MARIA G.M. 3,177,517
SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE) 3,186,029
SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE) 3,186,620
SEDLOV, TANYA 3,177,887
SEIDEL, HANS-PETER 3,186,505
SEISER, TOBIAS 3,177,271
SEITZ, THOMAS 3,177,271
SELLECK FIORE, ELIZABETH MAE 3,186,580
SENCIO, VALENTIN 3,177,779
SENTRILOCK, LLC 3,130,572
SERERO, ALEXANDRE 3,177,781
SERERO, ALEXANDRE 3,177,793
SERMADIRAS, ISABELLE 3,186,143
SESMA ABAD, VALENTIN 3,177,699
SESTRICK, MICHAEL R. 3,177,651
SETZLER, BRIAN 3,177,207
SEVINC, ZEHRA 3,177,689
SEXSON, BENJAMIN 3,186,045
SHAFTO, JAY 3,186,498
SHAH, PARAG 3,186,425
SHAHROKH ESFAHANI, MOHAMMAD 3,177,706
SHAILY (UK) LTD 3,186,269
SHANGHAI ESCUGEN BIOTECHNOLOGY CO., LTD. 3,177,562
SHANGHAI POLARIS BIOLOGY CO., LTD. 3,177,923
SHANGHAI RINGENE BIOPHARMA CO., LTD. 3,177,261
SHANGHAI RINGENE THERAPEUTICS CO. LTD 3,177,261
SHANGHAITECH UNIVERSITY 3,177,252
SHANGHAITECH UNIVERSITY 3,177,332
SHAO, ZEMAN 3,177,816
SHARKEY, BRENDAN 3,186,321
SHAW, WILLIAM 3,177,436
SHEALY, ROGER 3,177,884
SHEIKH, SAIFUDDIN 3,185,993
SHEN, JINGKANG 3,177,261
SHEN, LIXIN 3,177,622
SHENG, TAO 3,177,452
SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD. 3,177,535
SHERLOCK BIOSCIENCES, INC. 3,186,580
SHI, LINGJIAN 3,186,289
SHI, SHUO 3,177,332
SHI, SHUYING 3,177,517
SHIH, CHUAN 3,186,574
SHILO, SHIMON 3,186,283
SHINDLE, JACK A. 3,177,140
SI, WEIXUE 3,177,300
SIBLEY, CHRISTOPHER 3,177,635
SIDORSKY, MISHA 3,177,408
SIEDLAK, DENNIS 3,186,131
SIELAFF, JESSE 3,186,474
SIEMENS ENERGY GLOBAL GMBH & CO. KG 3,186,162
SIEMENS MOBILITY AUSTRIA GMBH 3,174,835
SIGVARIS AG 3,177,675
SILIPHAIVANH, PHIENG 3,177,442
SILVA, ALBERTO 3,177,799
SILVA, JARISMAR 3,177,453
SILVA, MANUEL R. JR. 3,177,284
SILVEIRA, ROBERTO 3,177,453
SILVERMAN, MICHAEL 3,177,303
SILVESTRI, ADAM 3,186,032
SILVESTRI, CHESTER 3,186,032
SILZE, FRANK 3,186,503
SIMPLOT, SCOTT 3,177,819
SIMPSON STRONG-TIE COMPANY INC. 3,186,581
SIMPSON, DAVID 3,186,141
SIMPSON-ABELSON, MICHELLE 3,177,413

SINGH TOMAR, PRABHAT PRATAP 3,177,537
SINGH, HARPAL 3,186,633
SINGH, INDARPAL 3,177,267
SINGH, RIPUDAMAN 3,186,291
SINICROPI, JOHN 3,177,541
SINO CANADA HEALTH INSTITUTE INC. 3,177,473
SINOPEC SOUTHWEST OIL & GAS COMPANY 3,186,492
SINOPEC SOUTHWEST OIL & GAS COMPANY 3,186,495
SIWA CORPORATION 3,177,449
SKEPPSTEDT, VIKTORIA 3,177,150
SKONECZKA, JEFF 3,186,284
SKSZEK, TIMOTHY W. 3,177,824
SKY CLIMBER FASTENERS LLC 3,178,013
SLADE, ROBERT 3,177,628
SLADEK, MEIK 3,177,835
SLAGER, ANNA 3,177,949
SLATKIN, NEAL 3,177,250
SLEIMAN, HANADI 3,186,482
SLINGSHOT BIOSCIENCES, INC. 3,177,834
SLOAN, JAMES 3,177,682
SLUSARCZYK, BARTLOMIEJ 3,177,902
SMART UNITED HOLDING GMBH 3,186,653
SMITH, AARON CHRISTOPHER 3,186,348
SMITH, ERNEST S. 3,177,517
SMITH, JACOB DANIEL 3,177,958
SMITH, NATHAN 3,177,785
SMITH, NATHAN 3,177,790
SMOLIN, VOLODYMYR 3,177,898
SMYTH, MARTIN 3,186,137
SNAPP-LEO, MARISA 3,177,412
SNELL, GYORGY 3,177,169
SOBRAL DA COSTA, ELAINE 3,177,314
SOCIETE DES PRODUITS NESTLE S.A. 3,177,222
SOCIETE DES PRODUITS NESTLE SA 3,177,547
SOCPRA SCIENCES ET GENIE S.E.C. 3,186,480
SOELECT INC. 3,177,460
SOFTHALE NV 3,177,942
SOLENIS TECHNOLOGIES, L.P. 3,177,437
SOLETANCHE FREYSSINET 3,185,982
SOLOMANIUCK, MAXIM 3,177,598
SOLT-RINDLER, PIA 3,186,150
SOLVAY SPECIALTY POLYMERS USA, LLC 3,177,670
SOMA, PAVAN KUMAR 3,177,798
SOMERA, ANNA LISA 3,186,440
SONG, FENGTAO 3,174,831
SONTHEIMER, ERIK JOSEPH 3,177,463
SORENSEN, JANNIE BAKKAER 3,186,508
SORRENTO THERAPEUTICS, INC. 3,177,770
SORVIK, BENGT 3,186,293
SOSINA, OLUKAYODE 3,186,576
SOSNE, GABRIEL 3,177,764
SOTER TECHNOLOGIES, LLC 3,177,647
SOTTOCORNOLA, SILVIA 3,177,109
SPAANS, JOHAN 3,177,081
SPACECRAFT SEVEN, LLC 3,177,341
SPALDING, TYLER ROBERT 3,177,265
SPALDING, TYLER ROBERT 3,177,399
SPARKS, BRADLEY J. 3,177,151
SPECTRUM BRANDS, INC. 3,177,958
SPENDER, JONATHAN 3,178,018
SPETZLER, DAVID 3,177,323
SPIKES, GEOFFREY 3,177,424
SPITTLE, KEVIN SCOTT 3,177,810
SPRULES, RODNEY 3,186,266
SR LABS, INC. 3,186,477
SRIVASTAVA, SAKET 3,177,773
SSIMWAVE INC. 3,177,568
STADTMILLER, KACY 3,177,152
STAMATIOU, EVANGELOS 3,174,164
STANDARD COGNITION, CORP. 3,177,772
STANDLEY, ADAM R. 3,186,234
STATS, JASON R. 3,186,443
STATS, JASON R. 3,186,469
STAUFFER, ERIK RICHARD 3,177,964
STEENKAMP, HELGAARD PETRUS 3,185,980
STEENSMA, SETH 3,182,267
STEFFEK, AMY E. 3,177,327
STEINER, PETER ALAN 3,177,958
STELLENBOSCH UNIVERSITY SOUTH AFRICAN SUGARCANE RESEARCH INSTITUTE 3,177,825
STERN, STEPHAN TIMOTHY 3,186,654
STEVENS, DAVID MICHAEL 3,186,654
STEWART, GORDON 3,177,426
STEWART, LANCE JOSEPH 3,178,016
STICHTING EUROFLOW 3,177,314
STINSON, RYAN 3,177,385
STOCKER, ROLF 3,177,602
STOCKLEY, MARTIN LEE 3,186,148
STOFFERS, CLAIRE MARIE 3,186,620
STOFFREGEN, JAN-PATRICK 3,177,648
STOFFREGEN, JAN-PATRICK 3,177,801
STOOPS, ERIK 3,174,805
STORA ENSO OYJ 3,186,318
STORA ENSO OYJ 3,186,349
STORA ENSO OYJ 3,186,351
STORA ENSO OYJ 3,186,575
STORA ENSO OYJ 3,186,605
STORA ENSO OYJ 3,186,624
STORLIE, MEGHAN 3,177,828
STORM, GREG 3,177,679
STRASSBURGER, EVAN 3,186,321
STRATMANN, CHRISTIAN 3,177,638
STROTHMANN, WOLFRAM 3,177,891
STRYKER EUROPEAN OPERATIONS LIMITED 3,177,521
STUART, DAVID 3,177,766
STUCKERT, NICHOLAS 3,177,666
SUBRAMANIAN, JAYARAM 3,186,123
SUDAU, ALEXANDER 3,186,659
SULFAGENIX, INC. 3,177,580
SULIBURK, JAMES 3,177,331
SULLIVAN, SEAN 3,177,334
SUN YAT-SEN UNIVERSITY 3,177,669
SUN, NING 3,177,252
SUN, RENHONG 3,177,252
SUN, SHUANGWU 3,177,923
SUNGARD AVAILABILITY SERVICES, LP 3,186,570
SURESH, SANDEEP GUDDEKOPPA 3,177,533
SUTHANTHIRAN, KRISHNAN 3,177,319
SUTHANTHIRAN, KRISHNAN 3,177,326
SUTRO BIOPHARMA, INC. 3,177,292
SUVANTO, PETRO 3,186,595
SVENSSON, MALIN 3,177,150
SWAROOP, ANAND 3,186,586
SWAROOP, MANJU 3,186,586
SWARTZ, MATTHEW M. 3,177,428
SWEENEY, TIMOTHY 3,177,170
SWELEY, JESS C. 3,177,083
SWENEY, ROB 3,186,634
SWENSON, MATTHEW 3,177,555
SWM LUXEMBOURG 3,177,274
SYLLIAASEN, SCOTT JAMES 3,182,778
SYNEURX INTERNATIONAL (TAIWAN) CORP. 3,177,848
SYNGENTA CROP PROTECTION AG 3,177,661
SYNGENTA CROP PROTECTION AG 3,186,132
SYNGLE THERAPEUTICS B.V. 3,174,805
SZANTO, ATTILA 3,177,444
SZENTE, LAJOS 3,174,816
TAFFE, CONNOR 3,186,623
TAKEDA PHARMACEUTICAL COMPANY LIMITED 3,177,117
TAMBWEKAR, KAUSTUBH RAMESH 3,177,123
TAN, XIAOPING 3,186,132
TAN, XIAOYING 3,174,832
TAN, YERPENG 3,177,270
TANDEL, PARESHKUMAR KALYANJI 3,186,134
TANG, XIAOHU 3,186,286
TANGNEY, JARED 3,182,778
TARDI, PAUL 3,175,913
TARIGOPPULA, RAVINDRA KUMAR 3,177,529
TASLI, PAKIZE NESLIHAN 3,177,932
TASSONE, MONICA 3,177,235
TAULU, SAMU 3,186,513
TAVARGENIX GMBH 3,177,633
TAVERAS, KENNEDY 3,177,376
TAWA, GREGORY 3,186,586
TAYLOR, PHILLIP 3,177,653
TAYLOR, ROGER 3,177,804
TAYLOR, ROGER 3,177,864
TCR2 THERAPEUTICS INC. 3,177,488
TEBULO INDUSTRIAL AUTOMATION B.V. 3,177,081
TECHNISCHE UNIVERSITAT WIEN 3,177,617
TECHNOLOGIES CGC INC. 3,177,448

TECHNOLOGIES CGC INC. 3,177,455
TELENTI, AMALIO 3,177,169
TELLER, RYAN S. 3,177,461
TENG, WENJIANG 3,186,492
TENOVA S.P.A. 3,177,226
TEPPER, WILBRANDT JANNES WICHERT 3,174,805
TERRAPOWER, LLC 3,177,777
TERRAPOWER, LLC 3,177,785
TERRAPOWER, LLC 3,177,790
TESLA, INC. 3,177,304
TESSIER, ARNAUD 3,177,435
TESTASECCA, ANGELA 3,177,401
TEWS, JAN-TORSTEN 3,177,942
THAJER, LUKAS 3,177,617
THALES 3,177,765
THAM, YUAN FANG 3,186,023
THE ARMSTRONG MONITORING CORPORATION 3,186,266
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,177,706
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS 3,186,609
THE BROAD INSTITUTE, INC. 3,177,481
THE HEART RESEARCH INSTITUTE LTD 3,177,787
THE HOSPITAL FOR SICK CHILDREN 3,186,268
THE J. DAVID GLADSTONE INSTITUTES, A TESTAMENTARY TRUST ESTABLISHED UNDER THE WILL OF J. DAVID GLADSTONE 3,177,879
THE ROSALIND FRANKLIN INSTITUTE 3,177,766
THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING / MCGILL UNIVERSITY 3,186,482
THE ROYAL VETERINARY COLLEGE 3,174,821
THE TEXAS A&M UNIVERSITY SYSTEM 3,177,263
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 3,177,407
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 3,177,924
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 3,177,954
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES 3,186,586
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES 3,186,654
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL 3,177,268
THE UNIVERSITY OF SYDNEY 3,177,787
THE UNIVERSITY OF SYDNEY 3,177,915
THEN-GAUTIER, JOHNNY 3,177,128
THERAPIM PTY LTD 3,177,156
THOMAS, BRIAN 3,177,828
THOMAS, SIMON 3,177,773
THOMAS, VINCENT 3,186,659
THOMAS-ALYEA, KAREN 3,186,611
THOMPSON, KYLE 3,177,389
THOMPSON, PAUL WILLIAM 3,186,148
THOMPSON, ROBERT TERRY 3,177,303
THOMSON, GREGOR A. 3,177,225
THRANE, SUSAN 3,177,709
THYSSENKRUPP RASSELSTEIN GMBH 3,177,443
TIGHE, ROBERT 3,177,488
TIMMER, JOHN C. 3,177,921
TITUS, NOEL 3,177,199
TIVERIOS, PETER G. 3,177,225
TIWARI, SACHCHIDANAND 3,186,633
TKAC, PETER 3,186,599
TOCHIGI, TAKAYUKI 3,177,285
TOKAMAK ENERGY LTD 3,177,628
TOKAMAK ENERGY LTD 3,177,960
TOKARSKI, MIRON 3,177,886
TOKU, ISAO 3,186,607
TONDERA, MARC 3,183,285
TORIKAI, MASAHARU 3,186,423
TORNBLOM, MARIA 3,186,318
TORNBLOM, MARIA 3,186,351
TORNBLOM, MARIA 3,186,624
TORRES, GABRIEL 3,177,541
TOUPIN, CURTIS 3,186,266
TOURNEUR, CHRISTIAN 3,185,982
TOYO SEIKAN CO., LTD. 3,177,285
TREGGER, NATHAN A. 3,186,657
TRESADERN, GARY JOHN 3,177,672
TRIPLEBLIND, INC. 3,177,679
TRIPLET THERAPEUTICS, INC. 3,177,814
TRONCOSO-PASTORIZA, JUAN RAMON 3,177,895
TROTT, DANIEL ADAM 3,177,864
TROTTEIN, FRANCOIS 3,177,779
TROWER, MIKE 3,177,477
TRUMPFHELLER, CHRISTINE 3,177,288
TRUONG, HANG NGUYET 3,177,705
TRUPIANO, ANTHONY G. 3,177,428
TRUSTEES OF BOSTON COLLEGE 3,177,573
TRUSTEES OF TUFTS COLLEGE 3,177,508
TRUVIAN SCIENCES, INC. 3,177,804
TRUVIAN SCIENCES, INC. 3,177,864
TSAI, GUOCHUAN EMIL 3,177,848
TSAI, TSUNGCHENG 3,186,609
TSIRKULEV, MIKHAIL VALEREVICH 3,186,260
TSODIK, GENADIY 3,186,283
TSUKAMOTO, HIROSHI 3,174,826
TT INNOVATION AG 3,183,285
TUBILLA, FERNANDO 3,177,408
TUERCK, VOLKER 3,177,241
TURHANEN, PETRI 3,186,595
TUSHAR, SHARMA 3,186,596
TUSKE, STEVEN 3,177,954
TYCO FIRE PRODUCTS LP 3,177,284
TYNYS, ANTTI 3,186,507
TYRSING, OLIVER 3,177,131
UBARU, SHASHANKA 3,174,813
UCHICAGO ARGONNE, LLC 3,186,599
UCISIK, MEHMET HIKMET 3,177,908
UEDA, ERI 3,177,536
UFER, STEFAN 3,177,438
UFHEIL, GERHARD 3,177,222
UGT GROUP PTY LTD 3,177,112
UHRIG, CHANCE 3,177,427
ULEMEK, ADAM CHRISTOPHER 3,177,622
ULLSTEN, OSCAR 3,177,131
ULTERRA DRILLING TECHNOLOGIES, L.P. 3,177,897
UMANA, PABLO 3,177,288
UNI&FORMA D.O.O. 3,177,747
UNICHEM LABORATORIES LTD 3,177,876
UNILEVER GLOBAL IP LIMITED 3,177,115
UNILEVER GLOBAL IP LIMITED 3,177,125
UNILEVER GLOBAL IP LIMITED 3,177,191
UNILEVER GLOBAL IP LIMITED 3,177,705
UNIVERSITATSSPITAL BASEL 3,177,582
UNIVERSITE DE BORDEAUX 3,177,779
UNIVERSITE DE LILLE 3,177,779
UNIVERSITE DE MONTPELLIER 3,177,505
UNIVERSITE PARIS-SARCLAY 3,177,129
UNIVERSITY HEALTH NETWORK 3,174,802
UNIVERSITY OF DELAWARE 3,177,207
UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC. 3,177,780
UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC. 3,177,889
UNIVERSITY OF MASSACHUSETTS 3,177,463
UNIVERSITY OF SALAMANCA 3,177,314
UNIVERSITY OF WASHINGTON 3,178,016
UNIVERSITY OF ZURICH 3,177,507

UNWIN, RICHARD 3,177,760
UPBIOCARE S.R.L. 3,177,343
UPL LIMTED 3,186,134
UPPALA, ANANDA HARANATH 3,177,406
UT COMP INC. 3,177,336
UVEBRANT, CHRISTINA 3,177,704
V-T INDUSTRIES INC. 3,177,344
VACCINEX, INC. 3,177,517
VAIDYA, RUTVIK 3,177,541
VALENZUELA, FRANCISCO ALCIDES 3,177,905
VALLANTI, GIULIANA 3,177,401
VALMET TECHNOLOGIES OY 3,177,258
VALMET TECHNOLOGIES OY 3,177,561
VALTWIES, BERND 3,177,823
VALTWIES, BERND 3,177,827
VAN DER KRIEKEN, WILHELMUS MARIA 3,177,638
VAN DER LEY, PETER ANDRE 3,177,472
VAN DER LINDEN, JOOST 3,186,122
VAN DONGEN, JACOBUS JOHANNES MARIA 3,177,314
VAN GOOL, MICHIEL LUC MARIA 3,174,829
VAN GOOL, MICHIEL LUC MARIA 3,177,672
VAN HET GOOR, LAYO 3,186,320
VAN NUGTEREN, BAS 3,177,628
VAN OPDENBOSCH, NINA 3,174,829
VAN OPDENBOSCH, NINA 3,177,672
VAN VALKENBURGH, OWEN F. 3,186,005
VAN WYK, JURIE J. 3,177,428
VAN ZYL, WILLEM HEBER 3,177,825
VANALSTYNE, PETER 3,177,798
VANDERBILT UNIVERSITY 3,186,436
VANGOOR, AMARNATH REDDY 3,174,817
VANHOUTTE, STEVEN 3,177,598
VARADARAJU, NAGESH 3,177,309
VASCULAR PERFUSION SOLUTIONS, INC. 3,185,235
VASS, BRADLEY 3,177,534
VATANEN, HARRI 3,177,113
VEGA THERAPEUTICS, INC. 3,177,329
VEGA, CHRISTIAN 3,177,304
VELAGA, SIVA RAMA KRISHNA 3,177,406
VENTOCILLA, CHRISTIAN 3,186,263
VEPSALAINEN, JOUKO 3,186,595
VERACRON LLC 3,177,295
VERDOX, INC. 3,186,611
VERHO, SAMULI 3,177,113
VESSELINOV, VELIZAR 3,186,004
VEZINA, GABRIEL 3,186,480
VIDYASAGAR, SADASIVAN 3,177,780
VIDYASAGAR, SADASIVAN 3,177,889
VIINIKKA, MR. MATTI 3,177,676
VILES, TIMOTHY 3,177,334
VILLAFRANCA, JESUS E. 3,177,262
VILMORIN & CIE 3,186,284
VINCENT, MATTHEW R. 3,177,670
VIR BIOTECHNOLOGY, INC. 3,177,169
VIRAMAL LIMITED 3,186,315
VITALI, ANTONIO 3,186,406
VOS, ETIENNE 3,174,744
VOSKIAN, SAHAG 3,186,611
VOVCHUK, IHOR 3,177,898
VYLIMEC, JIRI 3,177,959
WAGNER, ARMIN 3,177,747
WAINER, IRVING W. 3,177,776
WALKER, DAVID H. 3,177,631
WALL, G. MICHAEL 3,186,285
WALLER, DAVID 3,186,587
WALTER, FRANK 3,186,305
WALTERS, JEWELL 3,177,949
WALTHERS, CHRISTOPHER M. 3,186,577
WALTZ, KEVIN L. 3,177,409
WALZ, JULIANE 3,177,673
WAN, HUIXIN 3,177,261
WAN, LEON 3,175,913
WAN, WEILI 3,186,295
WANG, CHING-CHENG 3,177,848
WANG, DINGHUI 3,177,575
WANG, DINGHUI 3,177,831
WANG, ENFEI 3,136,565
WANG, GANG 3,186,640
WANG, JEFFREY ZHIYUAN 3,177,591
WANG, JIAN 3,177,283
WANG, JIAN 3,177,310
WANG, JIBING 3,177,964
WANG, JUNHUA 3,177,207
WANG, LAN 3,177,207
WANG, LIPING 3,186,231
WANG, LIPING 3,186,644
WANG, MICHAEL Y. 3,186,571
WANG, NICOLAS 3,177,139
WANG, QIANG 3,186,492
WANG, SHOUMING 3,178,067
WANG, TAO 3,177,669
WANG, TENG 3,177,207
WANG, WEI 3,177,328
WANG, XIAOFAN 3,186,609
WANG, XIAOGANG 3,186,495
WANG, XINGWEN 3,186,495
WANG, YUCHONG 3,177,923
WANG, YUXIAO 3,135,531
WANG, ZELIN 3,177,694
WANG, ZHAODONG 3,177,839
WANG, ZHEN 3,177,237
WANG, ZHIMING 3,177,622
WANG, ZHIWEI 3,174,831
WANG, ZHOU 3,177,568
WANGEROW, JIM 3,177,904
WANTJINARJO, SUWITO 3,177,689
WARD, JOHN 3,177,900
WARKENTIN, JONATHAN 3,186,591
WARRAS, DEAN 3,186,604
WASSINGER, ANDREW 3,177,267
WATANABE, ATSUSHI 3,177,698
WATANABE, SAYAKA 3,177,322
WATKINS, AARON 3,186,266
WATSON, DAVID 3,177,721
WATT, AMY 3,177,488
WATTS, JONATHAN KENNETH 3,177,463
WATZIG, GEORG 3,186,146
WEBER, DANIEL 3,177,640
WEI, RAN 3,177,923
WEINBERG, BRETT 3,174,780
WEISS, ANTHONY S. 3,177,686
WEISSENBERGER, PETRA 3,177,835
WELTE, STEFAN 3,186,602
WELTON, JAMES E. 3,177,788
WENG, JIAN-GANG 3,177,414
WERNER, MARK R. 3,177,785
WERNER, MARK R. 3,177,790
WESENBERG, NELSON.K 3,177,808
WEST, ELLERY 3,186,572
WEST, JAY A.A. 3,177,586
WESTGATE, ANTHONY 3,186,321
WESTINGHOUSE ELECTRIC COMPANY LLC 3,177,428
WHITE, BRIAN MCCULLOH 3,186,593
WHITE, CATHERINE M. 3,177,442
WHITFORD, ALAN PETER 3,177,521
WHOMBLE, DAVID L. 3,186,436
WICHELECKI, DANIEL JOSEPH 3,177,145
WIECHERS, DIRK 3,177,801
WIECZOREK, TED 3,177,151
WIEKER, JEFFREY 3,186,429
WIESER, ANDREAS 3,186,653
WIGLEY, W. CHRISTIAN 3,177,913
WILLAERT, BENJAMIN 3,177,819
WILLAND, MICHAEL PATRICK 3,152,491
WILLIAM THOMAS, CLARK 3,177,925
WILLIAMS, J. KENDALL 3,186,600
WILLIS, JOSEPH 3,177,946
WILLIS, JOSEPH 3,186,131
WILSHAW, JENNY JOYCE 3,174,821
WILSON, ELI 3,186,035
WILSON, JAMES M. 3,177,407
WILSON, JAMES M. 3,177,924
WILSON, JAMES M. 3,177,954
WILSON, JONATHAN E. 3,177,376
WILSON, MARY KATHERINE 3,186,580
WINDGAP MEDICAL, INC. 3,186,234
WINDHAM, BRANT 3,177,527
WINDMILLER, JOSHUA 3,182,778
WINKELNKEMPER, MOMME 3,177,241
WIREPAS OY 3,186,327
WITTMANN, MARION 3,177,277
WOHLFAHRT, GERD 3,178,067
WOLFE, SCOT 3,177,463
WOLLNER, ZEBULON 3,177,440
WOO, JENNIFER 3,177,650
WOOD, JAVAN TANNER 3,185,983
WOOD, JEFFREY 3,177,534
WOOD, JONATHAN H. 3,177,306
WOODEN, TOMMY 3,177,675
WORKMAN, MICHAEL 3,177,910
WORPLE, JOSEPH R. 3,177,316
WRAY, CHRISTOPHER 3,177,648
WRAY, CHRISTOPHER 3,177,801
WU, PEI-SHAN 3,186,574
WU, REN-HUANG 3,186,574
WU, TAO 3,186,632
WU, YACHUANG 3,186,484

WU, YUE 3,177,541
WU, YUEFENG 3,177,535
WU, ZHENHUA 3,186,484
WU, ZIYI 3,186,498
WUELFROTH, PETRA 3,177,659
WUILLAUME, FRANCIS 3,177,414
WURM, ENRICO VITTORIO 3,186,613
WURMS, SCOTT 3,186,431
WURTMAN, DAVID 3,177,946
WYBENGA-GROOT. LEANNE 3,186,268
WYPER, SARAH 3,186,592
XIAO, JUNWU 3,177,207
XIAO, SHUOWEN 3,177,694
XIAO, XIAO 3,177,268
XIE, FANG 3,186,649
XIE, FENG 3,186,644
XING, LI 3,186,289
XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD. 3,177,575
XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD. 3,177,694
XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD. 3,177,831
XINTELA AB 3,177,704
XU, CHUANYING 3,177,562
XU, HAIBIN 3,177,328
XU, PENG 3,177,867
XU, QIAOBING 3,177,508
XU, XIAODONG 3,177,780
XU, XIAODONG 3,177,889
XU, XINGBO 3,174,832
XU, YUNLI 3,177,300
XU, ZHONGQUAN 3,186,289
YAMADA, KEN 3,177,463
YAMAMOTO, SHUNSUKE 3,186,616
YAN, JIAN 3,177,949
YAN, JIAN 3,185,922
YAN, JUNYI 3,177,328
YAN, XIN 3,177,442
YAN, YANCHENG 3,186,495
YAN, YING 3,177,770
YAN, YUSHAN 3,177,207
YANG, HSIN-HSIN 3,177,848
YANG, PIAOPIAO 3,177,761
YANG, QINGYI 3,186,348
YANG, XIAOBAO 3,177,252
YANG, XIUJUAN 3,186,295
YANG, XUN 3,177,711
YANG, YANG 3,186,286
YANG, YI 3,177,950
YANG, ZHENZHEN 3,177,332
YANG, ZHI-PING 3,186,574
YANG, ZUOXING 3,177,535
YANKOV, PETER 3,177,622
YAO, KE 3,177,325
YAO, YAO 3,186,263
YARA INTERNATIONAL ASA 3,186,587
YARDENI, JENNY 3,177,682
YARLAGADDA, SRI KALYAN 3,177,816
YASUTAKE, MASAYA 3,177,698
YAZBECK, RICHARD 3,177,946
YAZBECK, RICHARD 3,186,131
YEDITEPE UNIVERSITESI 3,177,908
YEDITEPE UNIVERSITESI 3,177,932
YEDNOCK, TED 3,177,879
YEE, CASSIAN 3,186,594
YEH, HSIEN-WEI 3,178,016
YEW, WEN SHAN 3,177,282
YIN, RUHONG 3,136,565
YON, JEAN-JACQUES 3,174,854
YOON, JANG W. 3,186,571
YOU, HUIHONG 3,177,270
YU, CHAO-WU 3,186,598
YU, CHI 3,177,694
YU, GUANGMING 3,177,328
YU, JIAN 3,177,711
YU, JIAN 3,186,283
YU, TIANZI 3,186,295
YU, YINGWEI 3,186,004
YUAN, YEXING 3,136,565
YUE, JINRU 3,177,761
YUEH, ANDREW 3,186,574
YUN, CAIHONG 3,186,484
ZACHAROWSKI, KAI 3,177,659
ZACHMANN, BOSTON 3,177,427
ZAKARIA, GAGUK 3,177,947
ZAMPELL REFRACTORIES, INC. 3,174,822
ZAMPELL, BRIAN J. 3,174,822
ZANGRILLO, ALBERTO 3,177,881
ZANZALARI, KENNETH P. 3,186,604
ZARIRI, AFSHIN 3,177,472
ZATTA, FABRIZIA 3,177,169
ZEISBERG, ELISABETH 3,174,832
ZEISBERG, MICHAEL 3,174,832
ZELLER, MIKE 3,183,285
ZENG, KAI 3,177,568
ZEPPETZAUER, FRANZ 3,186,150
ZHA, CHUANTAO 3,177,261
ZHANG, HAN 3,177,463
ZHANG, JIALING 3,177,331
ZHANG, JIANMING 3,186,484
ZHANG, LISONG 3,186,289
ZHANG, MICHAEL 3,177,303
ZHANG, SHUJUAN 3,177,325
ZHANG, WEI 3,177,328
ZHANG, WEN 3,177,669
ZHANG, YANLIANG 3,177,770
ZHANG, YIYING 3,186,295
ZHANG, YONG 3,186,295
ZHANG, ZECHAO 3,177,328
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ZHENG, WEI 3,186,586
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ZHOU, HEYUE 3,177,770
ZHOU, MUHONG 3,177,655
ZHOU, QING 3,177,562
ZHOU, YIJUN 3,186,492
ZHOU, ZHENGCHUN 3,186,286
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ZHU, HAO 3,186,231
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ZHU, HAO 3,186,648
ZHU, QINGMEI 3,136,565
ZHU, SHUGUANG 3,186,632
ZHU, TAO 3,177,300
ZHU, TONG 3,177,562
ZHU, YI 3,186,295
ZHUO, SHI 3,186,295
ZIMMERMANN, GUNTHER 3,177,271
ZIVANOVIC, IVICA 3,185,982
ZIVO BIOSCIENCE, INC. 3,177,327
ZONIT STRUCTURED SOLUTIONS, LLC 3,177,792
ZTE CORPORATION 3,177,325
ZTE CORPORATION 3,186,231
ZTE CORPORATION 3,186,644
ZTE CORPORATION 3,186,648
ZYMIQ TECHNOLOGY AB 3,177,724
ZYSK, ADAM 3,186,440

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

10353744 CANADA LTD. 3,184,577
4361423 CANADA INC. 3,184,461
ABAD, ANDRE R. 3,184,796
ALDER, JANE 3,185,787
ALIZADEH, ROUHALLAH 3,185,962
ALMSTEAD, NEIL 3,184,380
AMICK, LEAH K. S. 3,185,323
AMURAO, ANNAMARIE 3,184,564
ANALYTICS FOR LIFE INC. 3,184,536
ARASU, TAMIL 3,184,380
ARROWHEAD PHARMACEUTICALS, INC. 3,185,394
ASTRAZENECA AB 3,185,741
ASTUTE MEDICAL, INC. 3,185,700
AUSTIN, BRIAN STEPHEN 3,185,533
AVERCON BVBA 3,184,517
BACALSKI, CARLOS 3,185,533
BACK, CHRISTINA ALLYSSA 3,185,533
BACKBEAT MEDICAL, LLC 3,184,556
BAUGHMAN, ROBERT A. 3,185,780
BAYER AKTIENGESELLSCHAFT 3,185,525
BE INTELLECTUAL PROPERTY, INC. 3,185,517
BEAUDET, DANIEL A. 3,185,411
BENSON, TODD W. 3,186,224
BERGELIN, MARCUS 3,185,645
BILAT, STEPHANE 3,184,421
BLAUWKAMP, TIMOTHY A. 3,185,611
BOCHENKO, WALTER JOHN 3,184,611
BOETTCHER, BRIAN 3,185,706
BOLTON, CLIVE 3,185,411
BOSS, ANDERS HASAGER 3,185,780
BRADBURY, ROBERT HUGH 3,185,741
BRAUER, ROBERT K. 3,185,517
BRAYER, EYAL 3,185,784
BROWN, MEREDITH V. 3,184,836
BURKHART, JOHN 3,186,224
BURKHOFF, DANIEL 3,184,556
BURROW, INC. 3,185,323
BURTON, TIMOTHY 3,184,536
CAMPBELL, JEFF 3,184,380
CAO, LIANGXIAN 3,184,380
CAPLAN, SHARI LYNN 3,185,706
CEBE, REGIS 3,185,706
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,184,851
CHAN, LEO M. 3,185,523
CHEN, JINYUN 3,185,394
CHEN, TEDDY C. 3,186,224
CHOI, JIN SOO 3,185,432
CHOI, SOONGYU 3,184,380
CHOPRA, KABEER 3,185,323
CHOW, ARTHUR CARROLL 3,184,582
CHRAPKO, SHANE 3,185,523
CHRISTIANS, FRED C. 3,185,611
CHRISTMAS, COY 3,185,763
COBB, JEFFERY EDMOND 3,184,836
COFFIN, GAGE GOODSPEED 3,184,681
COHN, ELYSIA 3,185,690
COLLARD, JOSEPH 3,185,821
CONMED CORPORATION 3,184,686
CONRADO, ROBERT JOHN 3,185,501
COOK, DONALD F. 3,185,517
CORSON, DON 3,184,380
COTTER, ZOE ANN 3,185,741
COX, NANCY 3,185,510
CRAWFORD, DON 3,184,536
CRISI MEDICAL SYSTEMS, INC. 3,184,611
CURNA, INC. 3,185,821
DAIRYCS AUTOMATIC MILKING LTD 3,185,784
DAVIS, THOMAS 3,184,380
DE DYCKER, HERMAN GERMAIN 3,184,517
DECK, CHRISTIAN PETER 3,185,533
DU, RUOFEI 3,184,577
DUBBERLY, ANDREW HUGH 3,184,536
DUFOUR, JEAN-DANIEL 3,184,372
DUNJIC, MILOS 3,184,582
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 3,185,432
ERICSON, MICHAEL DARELL ANDREW 3,184,770
FAFOURNOUX, PIERRE 3,184,851
FARRELL, CHRISTOPHER JOHN 3,184,808
FASETTO, LLC 3,185,763
FISHER, SUSAN C. 3,184,564
FLYNN, MICHAEL PETER 3,184,681
FORENZA, ANTONIO 3,186,200
FRANKLIN JAYME 3,184,564
FRASER, RACHEL 3,185,690
GAMPA, KALYANI 3,185,394
GAO, ALLAN HAIMING 3,185,501
GENENTECH, INC. 3,184,564
GENERAL ATOMICS 3,185,533
GERHAUSER, STEPHEN LEE, JR. 3,185,626
GHODS, AMIR HOSEIN 3,185,962
GHODS, POURIA 3,185,962
GIATEC SCIENTIFIC INC. 3,185,962
GILLAN, COLIN 3,185,773
GLOSSOP, STEVEN CHRISTOPHER 3,185,741
GLUCK, JULIAN MARIUS 3,185,525
GORYACHEV, IVAN D. 3,185,411
GOUDREAULT, ERIC 3,184,372
GRACI, JASON D. 3,184,380
GRIFFIN, DEREK WAYNE 3,185,501
GROOVER, AUSTIN 3,185,773
GROUPE REFRACO INC. 3,184,372
GU, ZHENGXIAN 3,184,380
GUO, ZHAOCHEN 3,185,523
GUPTA, SUNNY 3,184,536
HAMERLINCK, STEFAAN ALBERT MARIE-LOUISE 3,184,517
HAMPSON, CARL 3,185,827
HANCZOR, MATT 3,185,411
HARRINGTON, LIBERTY D. 3,185,517
HASOON, TAMARA TAHIR 3,184,681
HEBEBRAND, CHRISTINA KARIN 3,185,482
HENDEL, NADAV SAHAR 3,184,681
HOLZ-SCHIETINGER, CELESTE 3,185,690
HOOD, EDWARD JAMES 3,184,582
HOWARD, CAMPBELL 3,185,780
HUESKEN, DIETER 3,185,394
HWANG, PETER SEONGWOO 3,184,380
IMPOSSIBLE FOODS INC. 3,185,690
INNOVIVE, INC. 3,185,829
INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT 3,184,851
IONIC SOLUTIONS LTD. 3,186,394
IOTECHA CORP. 3,185,446
JENKINS, MERRITT JONATHAN 3,184,681
JENSON, LEROY 3,185,829
JOHNSON, JESSE 3,185,773
JOHNSTON, JONATHAN GARRETT 3,185,626
KADKHODAYAN FISCHER, SALOUMEH 3,184,564
KALE, ANIKET 3,185,690
KALLAI, CHRISTOPHER 3,184,770
KAM, ANDREW 3,184,686
KARIUS, INC. 3,185,611
KARR, JESSICA 3,185,690
KEAST, LARRY G. 3,185,626
KEIGHAN, GUILLAUME 3,184,372
KENNEDY, ADAM 3,184,836
KERTESZ, MICHAEL 3,185,611
KHALIFA, HESHAM EZZAT 3,185,533
KHAN, FERDOUS 3,185,827
KHORKOVA SHERMAN, OLGA 3,185,821
KIM, HUI YONG 3,185,432

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

KIM, JIN WOONG 3,185,432
KLAPHOLZ-BROWN, ARIEL 3,185,690
KLEIN, BRICE LEON 3,184,681
KLIMOV, ALEXANDER 3,185,510
KNAUF INSULATION SPRL 3,185,827
KOH, PAUL 3,185,323
KONDO, CHIHIRO 3,185,776
KUBO, ALEX 3,185,323
KUHL, STEPHEN 3,185,323
LAMBOURNE, ROBERT A. 3,184,770
LANZATECH, INC. 3,185,501
LAVOIE, MARC-MICHEL 3,184,372
LAYTON, RUSSELL K. JR. 3,185,411
LE ROUX, ALEXANDRE 3,184,681
LEE, JIN HO 3,185,432
LEI, MENG 3,184,536
LENNOX, WILLIAM 3,184,380
LI, GUOCHUN 3,185,706
LIESS, MARTIN 3,185,482
LIM, SUNG CHANG 3,185,432
LINDSTROM, STEPHEN 3,185,510
LO, CHI WAH 3,184,461
LOFTIN, LAMORRIS 3,185,510
LOGVINOV, OLEG 3,185,446
LOMBARDO, GIUSEPPE 3,184,686
LOWE, JOHN 3,184,564
MACALUSO, MICHAEL J. 3,185,446
MAGES, KENNETH G. 3,184,461
MAHMOOD, ARSHED 3,185,741
MALONE, MARIA ALEXANDRIA 3,184,681
MALPASS, LUKE 3,185,763
MANN, ALFRED 3,185,780
MANNKIND CORPORATION 3,185,780
MATERA, MATTHEW JAMES 3,184,681
MAWJI, ASHIF 3,185,523
MCCABE, JAMES FRANCIS 3,185,741
MEDING, JORG 3,185,525
METABOLON, INC. 3,184,836
MIAO, HARRY H. 3,184,380
MIKA, YUVAL 3,184,556
MILLER, LANGDON 3,184,380
MJNN LLC 3,184,681
MOON, YOUNG-CHOON 3,184,380
MORASSE, JEAN-PHILIPPE 3,184,372
MORI, YASUHITO 3,185,776
MOTIVE DRILLING TECHNOLOGIES, INC. 3,186,224
NABORS DRILLING TECHNOLOGIES USA, INC. 3,185,773
NAIM, ATIA 3,184,564
NAIRN, PETER GLEN 3,184,582
NOVARTIS AG 3,185,706
OLSON, ANNA 3,184,681
ORGERON, KEITH J. 3,185,626
PAN, WENBIN 3,184,577
PEAK POWER, INC. 3,184,775
PERICHON, REGIS 3,184,836
PERLMAN, STEPHEN G. 3,186,200
PETRUCCI, RICHARD 3,185,780
PHILIP MORRIS PRODUCTS S.A. 3,184,421
PIONEER HI-BRED INTERNATIONAL, INC. 3,184,796
PITMAN, TIMOTHY A. 3,186,200
POLA CHEMICAL INDUSTRIES, INC. 3,185,776
POTOCKA, ELIZABETH 3,185,780
PROVOOST, DAVID MICHEL 3,184,517
PTC THERAPEUTICS, INC. 3,184,380
PUCELLA, GIOVANNI 3,184,372
QI, HONGYAN 3,184,380
RABOW, ALFRED ARTHUR 3,185,741
REARDEN, LLC 3,186,200
REIMANN, ROBERT 3,184,770
RICHARDSON, PETER 3,185,780
ROSEN, MICHAEL 3,185,611
SAIBI, FADI 3,186,200
SAITOH, YUKO 3,185,776
SALEHI, MUSTAFA 3,185,962
SANCHEZ, AILEN M. 3,184,564
SASSA, SHOKO 3,185,776
SCHWARTZ, ROBERT S. 3,184,556
SHADFORTH, IAN 3,184,536
SHAW, LISA 3,185,787
SHEEDER, JONATHAN DAVID 3,185,533
SHEM, ALAN BING JOE 3,185,626
SHERMAN, DARREN 3,184,556
SHIU, JENNIFER WOAN-YI 3,185,690
SIT, RENE 3,185,611
SKELLY, TREVOR 3,185,517
SOHLER, FLORIAN 3,185,525
SOLOMATIN, SERGEY 3,185,690
SONG, ERIC 3,185,533
SONOS, INC. 3,184,770
SOO, DEREK LIM 3,184,775
SOUZA, PAUL DOUGLAS 3,184,536
SPETER, GILLES 3,185,829
STEGMEIER, FRANK P. 3,185,394
STEINER, PHILIPP 3,185,517
STEMKE, ROBERT WARREN 3,185,533
STOREY, NATHANIEL R. 3,184,681
STUMP, MARK 3,185,394
SULLIVAN, BRIAN 3,186,475
TANG, TAI KWAN JIMMY 3,184,461
TARASZKA, JOHN 3,185,706
TAX, DAVID SAMUEL 3,184,582
TESKE, CHRISTOPHER A. 3,184,564
THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL AND PREVENTION 3,185,510
THE TORONTO-DOMINION BANK 3,184,582
THIEMANN, BJOERN 3,185,482
TIAN, PENG 3,185,501
TRIPLETT, MARK 3,184,770
TROTTA, CHRISTOPHER 3,184,380
TRUDEL, CHRISTOPHER 3,185,523
TUMILSON, CHARLOTTE 3,185,787
TUSSY, KEVIN ALAN 3,186,147
UNIVERSITY OF CENTRAL LANCASHIRE 3,185,787
VALINGE INNOVATION AB 3,185,645
VAN STEENKISTE, DIMITRI DANIEL RAPHAEL 3,184,517
VAN TASSEL, ROBERT A. 3,184,556
VANDERLAAN, MARTIN 3,184,564
VARADAN, RANJANI 3,185,690
VARGEESE, CHANDRA 3,185,394
VASUDEVAMURTHY, GOKUL 3,185,533
VELASA SPORTS, INC. 3,185,411
VENKATASUBBARAO, SRIVATSA 3,185,700
VENKATASUBRAHMANYAM, SHIVKUMAR 3,185,611
VICTA, CORAZON 3,184,564
VIJAYENDRAN, RAVI A. 3,185,700
VILFAN, IGOR D. 3,185,611
VISA EUROPE LIMITED 3,186,475
WACKERMAN, CODY JAMES 3,184,536
WAGNER, CHRISTOPHER 3,185,773
WARING, MICHAEL JAMES 3,185,741
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 3,185,482
WEBER, ERNST 3,185,525
WEETALL, MARLA L. 3,184,380
WEILER, JAN 3,185,394
WERN, FRANK 3,185,482
WILLISON, ALEX TAYLOR 3,185,411
WOLFE, THOMAS CHAD 3,184,796
WWW.TRUSTSCIENCE.COM INC. 3,185,523
XU, FANGMIN 3,185,706
YAZDANBOD, AZAROGHLY 3,186,394
YOKOYAMA, KOUJI 3,185,776
YOWE, DAVID LANGDON 3,185,706
YU, X. CHRISTOPHER 3,184,564
ZHANG, JIPING 3,185,533
ZHANG, XILUN 3,184,577
ZHOU, LAN 3,184,796
ZHOU, WENLAI 3,185,394
ZIEGLER, GORAN 3,185,645
ZOUHAIR, AICAM 3,185,482