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CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux 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.....56

PCT Applications Entering the National Phase
Demandes PCT entrant en phase nationale 72

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 216

Index of Canadian Patents Issued
Index des brevets canadiens délivrés 229

Index of Canadian Applications Open to Public Inspection
Index des demandes canadiennes mises à la disponibilité du public 235

Index of PCT Applications Entering the National Phase
Index des demandes PCT entrant en phase nationale 238

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 264

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 February 19, 2019

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1730***
For each additional sheet over 30	**$20**
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 19 février 2019

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1730 $***
Pour chaque feuille au delà de 30	**20 $**
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*)) **$260**

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

* International fees will be reduced by:

- **$260** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$390** 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*)) **260 $**

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

* Les frais seront réduits de:

- **260 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **390 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

On this page:

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

14. Procédures de correspondance

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

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

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

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

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

Sur cette page :

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

Copyright

Droits d'auteur

Notices

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of February 11, 2020 contains applications open to public inspection from January 26, 2020 to February 1, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 11 février 2020 contient les demandes disponibles au public pour consultation pour la période du 26 janvier 2020 au 1 février 2020.

Canadian Patents Issued

February 11, 2020

Brevets canadiens délivrés

11 février 2020

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[11] **2,511,103**
[13] C
[51] **Int.Cl. C12N 15/56 (2006.01) A61K 38/47 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01) C07H 21/04 (2006.01) C07K 19/00 (2006.01) C12N 1/00 (2006.01) C12N 1/14 (2006.01) C12N 1/20 (2006.01) C12N 1/21 (2006.01) C12N 9/24 (2006.01) C12N 9/28 (2006.01) C12N 15/63 (2006.01) C12Q 1/34 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENZYMATIC DETACHMENT OF BACTERIAL AND FUNGAL BIOFILMS**
[54] **COMPOSITIONS ET METHODES DE DETACHEMENT ENZYMATIQUE DE BIOFILMS BACTERIENS ET FONGIQUES**
[72] KAPLAN, JEFFREY B., US
[73] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,
[85] 2005-06-17
[86] 2003-10-31 (PCT/US2003/034683)
[87] (WO2004/061117)
[30] US (60/435,817) 2002-12-20

---

[11] **2,583,658**
[13] C
[51] **Int.Cl. A61K 36/81 (2006.01) A23L 33/105 (2016.01) A61K 9/20 (2006.01) A61K 31/01 (2006.01) A61P 13/02 (2006.01)**
[25] EN
[54] **MULTI-CAROTENOID COMPOSITIONS AND USES THEREFOR**
[54] **COMPOSITIONS MULTI-CAROTENOIDE ET UTILISATIONS CONNEXES**
[72] KUO, FU FENG, CA
[73] HEALTH EVER BIO-TECH CO., LTD.,
[86] (2583658)
[87] (2583658)
[22] 2007-04-02
[30] TW (095111722) 2006-04-03

---

[11] **2,688,155**
[13] C
[51] **Int.Cl. C07H 21/00 (2006.01) C07H 21/04 (2006.01) G01N 33/00 (2006.01) G01N 33/566 (2006.01)**
[25] EN
[54] **HIGH SPECIFICITY AND HIGH SENSITIVITY DETECTION BASED ON STERIC HINDRANCE & ENZYME-RELATED SIGNAL AMPLIFICATION**
[54] **DETECTION HAUTE SPECIFICITE ET HAUTE SENSIBILITE REPOSANT SUR UN EMPECHEMENT STERIQUE ET AMPLIFICATION DE SIGNAL ASSOCIEE A UNE ENZYME**
[72] WEI, FANG, US
[72] ZIMMERMANN, BERNHARD G., US
[72] WONG, DAVID T. W., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,
[85] 2009-11-23
[86] 2008-05-30 (PCT/US2008/065286)
[87] (WO2009/017878)
[30] US (60/941,057) 2007-05-31

---

[11] **2,711,721**
[13] C
[51] **Int.Cl. C12G 1/10 (2006.01) C12H 1/00 (2006.01)**
[25] EN
[54] **METHOD AND COMPOSITIONS FOR PRESERVING WINE**
[54] **PROCEDE ET COMPOSITIONS DE CONSERVATION DU VIN**
[72] RUBIN, DAVID, US
[72] RUBIN, ELY, US
[73] RUBIN, DAVID,
[73] RUBIN, ELY,
[85] 2010-07-08
[86] 2009-01-08 (PCT/US2009/030421)
[87] (WO2009/089334)
[30] US (61/019,745) 2008-01-08

---

[11] **2,716,836**
[13] C
[51] **Int.Cl. A61B 5/06 (2006.01) A61B 17/16 (2006.01) A61B 17/72 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING A LANDMARK**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION D'UN POINT DE REPERE**
[72] RAINS, JAMES K., US
[72] RITCHEY, NICHOLAS S., US
[72] AUSTIN, GENE EDWARD, US
[72] FABER, HENRY B., US
[72] GRUSIN, NATHANIEL K., US
[72] RICCI, WILLIAM M., US
[72] JANNA, SIED W., US
[72] HEOTIS, CHARLES C., US
[72] SCHWAGLI, TOBIAS, CH
[73] SMITH & NEPHEW, INC.,
[85] 2010-08-24
[86] 2008-08-27 (PCT/US2008/074520)
[87] (WO2009/108214)
[30] US (PCT/US2008/055300) 2008-02-28

---

[11] **2,735,457**
[13] C
[51] **Int.Cl. F24D 19/10 (2006.01) F16L 53/32 (2018.01) F24D 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PREVENTING FREEZE DAMAGE TO HEATING SYSTEM PIPES**
[54] **SYSTEMES ET PROCEDES POUR EMPECHER LES DOMMAGES DUS AU GEL AUX TUYAUX DU SYSTEME DE CHAUFFAGE**
[72] BOROVINOV, VALENTIN, US
[73] BOROVINOV, VALENTIN,
[86] (2735457)
[87] (2735457)
[22] 2011-03-28
[30] US (61/318,098) 2010-03-26
[30] US (61/379,654) 2010-09-02

[11] **2,738,122**
[13] C
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/00 (2006.01) G06F 17/10 (2006.01) G06F 17/13 (2006.01)**
[25] EN
[54] **COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR USE IN MODELING A GEOMECHANICAL RESERVOIR SYSTEM**
[54] **SYSTEMES ET PROCEDES INFORMATIQUES DESTINES A ETRE UTILISES POUR LE MODELAGE D'UN SYSTEME DE RESERVOIR GEOMECANIQUE**
[72] DEAN, RICKY HOWARD, US
[72] SCHMIDT, JOSEPH HENRY, US
[73] CHEVRON U.S.A. INC.,
[85] 2011-03-11
[86] 2009-09-17 (PCT/US2009/057331)
[87] (WO2010/033710)
[30] US (61/098,604) 2008-09-19
[30] US (61/164,766) 2009-03-30

[11] **2,759,370**
[13] C
[51] **Int.Cl. C12P 21/08 (2006.01) C07K 16/00 (2006.01) C12P 21/04 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **METHOD FOR THE PRODUCTION OF DOMAIN ANTIBODIES**
[54] **PROCEDE DE PRODUCTION D'ANTICORPS A DOMAINES**
[72] SCHOTTE, PETER, BE
[72] STANSSENS, PATRICK, BE
[72] LABEUR, CHRISTINE, BE
[72] JONNIAUX, JEAN-LUC, BE
[72] LAUWEREYS, MARC JOZEF, BE
[73] ABLYNX N.V.,
[85] 2011-10-20
[86] 2010-04-30 (PCT/EP2010/055916)
[87] (WO2010/125187)
[30] US (61/174,184) 2009-04-30
[30] US (61/304,834) 2010-02-16

[11] **2,760,053**
[13] C
[51] **Int.Cl. G06T 17/00 (2006.01) A61B 5/055 (2006.01) A61B 6/03 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PERFORMING TOMOGRAPHIC IMAGE ACQUISITION AND RECONSTRUCTION**
[54] **SYSTEME ET PROCEDE POUR REALISER L'ACQUISITION ET LA RECONSTRUCTION D'IMAGES TOMOGRAPHIQUES**
[72] DEMPSEY, JAMES F., US
[72] ZENG, QINGGUO, US
[72] NANA, ROGER, US
[72] PATRICK, JOHN L., US
[72] EAGAN, TIMOTHY P., US
[72] SHVARTSMAN, SHMARYU, US
[73] VIEWRAY TECHNOLOGIES, INC.,
[85] 2011-10-25
[86] 2010-06-17 (PCT/US2010/039036)
[87] (WO2010/148230)
[30] US (61/218,736) 2009-06-19

[11] **2,776,206**
[13] C
[51] **Int.Cl. F16L 21/06 (2006.01) F16L 19/04 (2006.01) F16L 23/04 (2006.01) F16L 25/04 (2006.01)**
[25] EN
[54] **COUPLING**
[54] **DISPOSITIF D'ACCOUPLEMENT**
[72] BEAGEN, JOSEPH WILLIAM, JR., US
[73] ANVIL INTERNATIONAL, LLC,
[86] (2776206)
[87] (2776206)
[22] 2012-05-07
[30] US (13/354,459) 2012-01-20
[30] US (13/354,464) 2012-01-20
[30] US (13/354,466) 2012-01-20
[30] US (13/354,470) 2012-01-20

[11] **2,783,645**
[13] C
[51] **Int.Cl. A01B 29/04 (2006.01) B60C 11/00 (2006.01)**
[25] FR
[54] **AGRICULTURAL IMPLEMENT WITH ADAPTED WHEELS AND ROLLERS**
[54] **MACHINE AGRICOLE A ROUE ET ROULEAU ADAPTES**
[72] PHELY, OLIVIER, FR
[72] PIOU, DENIS, FR
[73] OTICO,
[86] (2783645)
[87] (2783645)
[22] 2012-07-18
[30] FR (11 02 513) 2011-08-12

[11] **2,792,222**
[13] C
[51] **Int.Cl. E02D 27/32 (2006.01) B28B 23/02 (2006.01) E02D 5/74 (2006.01) E04B 1/16 (2006.01) E04G 21/00 (2006.01)**
[25] EN
[54] **UNITIZED PRECAST GRILLAGE FOUNDATION AND METHOD FOR MANUFACTURING THE SAME**
[54] **FONDATION A GRILLE PREMOULEE UNIFIEE ET PROCEDE DE FABRICATION DE CELLE-CI**
[72] CARIAGA, JUAN IGNACIO, CA
[72] ZAKARIASEN, DON, CA
[73] LAFARGE CANADA INC.,
[86] (2792222)
[87] (2792222)
[22] 2012-10-11

[11] **2,797,797**
[13] C
[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 31/64 (2006.01) A61P 3/10 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **METHODS OF USE OF TETRAHYDROBERBERINE (THB)**
[54] **METHODES D'UTILISATION DE LA TETRAHYDROBERBERINE (THB)**
[72] WU, JIE, US
[73] DIGNITY HEALTH,
[85] 2012-10-26
[86] 2011-05-02 (PCT/US2011/034834)
[87] (WO2011/139983)
[30] US (61/330,589) 2010-05-03

[11] **2,799,229**
[13] C
[51] **Int.Cl. G01N 33/483 (2006.01) G16B 5/00 (2019.01) C12Q 1/02 (2006.01)**
[25] FR
[54] **METHOD OF TOXICOLOGICAL EVALUATION, METHOD OF TOXICOLOGICAL SCREENING AND ASSOCIATED SYSTEM**
[54] **PROCEDE D'EVALUATION TOXICOLOGIQUE, PROCEDE DE CRIBLAGE TOXICOLOGIQUE ET SYSTEME ASSOCIE**
[72] DUMAS, MARC-EMMANUEL, GB
[72] LECLERC, ERIC, FR
[72] SHINTU, LAETITIA, FR
[72] BAUDOIN, REGIS, FR
[72] LEGALLAIS, CECILE, FR
[72] TOULHOAT, PIERRE, FR
[72] BROCHOT, CELINE, FR
[73] INSTITUT NATIONAL DE L'ENVIRONNEMENT INDUSTRIEL ET DES RISQUES,
[73] UNIVERSITE TECHNOLOGIE DE COMPIEGNE - UTC,
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS),
[73] ECOLE NORMALE SUPERIEURE DE LYON,
[85] 2012-11-09
[86] 2011-05-12 (PCT/EP2011/057720)
[87] (WO2011/151148)
[30] FR (1053732) 2010-05-12

[11] **2,800,284**
[13] C
[51] **Int.Cl. A61L 27/38 (2006.01) A61L 27/24 (2006.01) C12M 3/00 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **METHODS, SUBSTRATES, AND SYSTEMS USEFUL FOR CELL SEEDING OF MEDICAL GRAFTS**
[54] **PROCEDES, SUBSTRATS, ET SYSTEMES UTILES POUR L'ENSEMENCEMENT CELLULAIRE DE GREFFES MEDICALES**
[72] HILES, MICHAEL C., US
[72] JOHNSON, CHAD E., US
[72] FEARNOT, NEAL E., US
[72] PAYNE, THOMAS, US
[72] JANKOWSKI, RONALD, US
[73] COOK MEDICAL TECHNOLOGIES LLC,
[73] COOK BIOTECH INCORPORATED,
[73] MUFFIN INCORPORATED,
[85] 2012-11-21
[86] 2011-05-25 (PCT/US2011/037897)
[87] (WO2011/150055)
[30] US (61/348,135) 2010-05-25

[11] **2,802,735**
[13] C
[51] **Int.Cl. C01B 32/00 (2017.01) C01B 32/158 (2017.01) C01B 32/182 (2017.01) G01N 33/48 (2006.01) G01T 1/167 (2006.01) G01T 1/204 (2006.01)**
[25] EN
[54] **TRITIATED PLANAR CARBON FORMS**
[54] **FORMES CARBONEES PLANAIRES TRITIEES**
[72] FILER, CRIST N., US
[73] PERKINELMER HEALTH SCIENCES, INC.,
[85] 2012-12-13
[86] 2011-06-15 (PCT/US2011/040509)
[87] (WO2011/159789)
[30] US (61/354,781) 2010-06-15

[11] **2,803,305**
[13] C
[51] **Int.Cl. F02C 9/00 (2006.01) F02C 9/58 (2006.01) F02K 3/072 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR NON-MODEL BASED CONTROL FOR COUNTER-ROTATING OPEN-ROTOR GAS TURBINE ENGINE**
[54] **METHODES ET APPAREILS POUR LE CONTROLE FONDE SUR UN MODELE POUR UN MOTEUR DE TURBINE A GAZ A ROTOR OUVERT CONTRAROTATIF**
[72] LU, MANXUE, US
[72] CARPENTER, SHELDON, US
[73] GENERAL ELECTRIC COMPANY,
[86] (2803305)
[87] (2803305)
[22] 2013-01-24
[30] US (61/595,431) 2012-02-06
[30] US (13/649,478) 2012-10-11

[11] **2,804,322**
[13] C
[51] **Int.Cl. C07D 207/412 (2006.01) C07C 231/14 (2006.01) C07C 233/38 (2006.01) C10M 133/06 (2006.01) C10M 133/16 (2006.01)**
[25] EN
[54] **ACID-FREE QUATERNISED NITROGEN COMPOUNDS AND USE THEREOF AS ADDITIVES IN FUELS AND LUBRICANTS**
[54] **COMPOSES AZOTES QUATERNISES EXEMPTS D'ACIDE ET UTILISATION DESDITS COMPOSES COMME ADDITIFS POUR CARBURANTS OU POUR LUBRIFIANTS**
[72] GRABARSE, WOLFGANG, DE
[72] BOEHNKE, HARALD, DE
[72] TOCK, CHRISTIAN, LU
[72] ROEGER-GOEPFERT, CORNELIA, DE
[72] VOELKEL, LUDWIG, DE
[73] BASF SE,
[85] 2013-01-03
[86] 2011-07-06 (PCT/EP2011/061398)
[87] (WO2012/004300)
[30] EP (10168622.8) 2010-07-06
[30] EP (11165920.7) 2011-05-12

[11] **2,805,833**
[13] C
[51] **Int.Cl. F02K 1/44 (2006.01) F02C 7/24 (2006.01)**
[25] EN
[54] **JET NOISE REDUCTION USING EDUCTION EFFECT**
[54] **REDUCTION DU BRUIT DES AVIONS A REACTION AU MOYEN D'UN EFFET D'EXTRUSION**
[72] PASCU, VICTOR, US
[72] JONES, ANTHONY C., US
[73] HAMILTON SUNDSTRAND CORPORATION,
[86] (2805833)
[87] (2805833)
[22] 2013-02-11
[30] US (13/416,572) 2012-03-09

---

[11] **2,805,836**
[13] C
[51] **Int.Cl. F02C 7/26 (2006.01) F01D 19/00 (2006.01)**
[25] EN
[54] **HIGH ALTITUDE START OF A GAS TURBINE ENGINE USING FUEL PULSING AND STARTER TOGGLING**
[54] **DEMARRAGE A HAUTE ALTITUDE D'UNE TURBINE A GAZ PAR IMPULSION DE CARBURANT ET ACTIONNEMENT DU DEMARREUR**
[72] CORSON, MICHAEL, US
[72] WINSTON, KENNETH W., US
[73] HAMILTON SUNDSTRAND CORPORATION,
[86] (2805836)
[87] (2805836)
[22] 2013-02-11
[30] US (13/418,983) 2012-03-13

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[11] **2,807,494**
[13] C
[51] **Int.Cl. G06F 16/903 (2019.01) G06Q 50/18 (2012.01) G06F 16/9038 (2019.01)**
[25] EN
[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
[73] THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY,
[85] 2013-02-05
[86] 2011-08-05 (PCT/US2011/001391)
[87] (WO2012/033511)
[30] US (12/806,119) 2010-08-05
[30] US (12/806,116) 2010-08-05

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[11] **2,811,853**
[13] C
[51] **Int.Cl. F03D 13/00 (2016.01) F03D 13/25 (2016.01) F03D 13/40 (2016.01) E02D 27/42 (2006.01) E02D 27/52 (2006.01)**
[25] EN
[54] **PROCESS FOR INSTALLING AN OFFSHORE TOWER**
[54] **PROCEDE D'INSTALLATION DE TOUR EN MER**
[72] FERNANDEZ GOMEZ, MIGUEL ANGEL, ES
[72] JIMENO CHUECA, JOSE EMILIO, ES
[73] SEA WIND TOWERS, S.L.,
[73] ESTEYCO S.A.P.,
[85] 2013-03-20
[86] 2011-09-21 (PCT/EP2011/066462)
[87] (WO2012/038487)
[30] ES (P201001212) 2010-09-22

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[11] **2,812,794**
[13] C
[51] **Int.Cl. C07K 14/74 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TARGETED IDENTIFICATION OF IMMUNOGENIC PEPTIDES**
[54] **IDENTIFICATION CIBLEE DE PEPTIDES IMMUNOGENES**
[72] PONNIAH, SATHIBALAN, US
[72] PEOPLES, GEORGE E., US
[72] STORRER, CATHERINE E., US
[72] FLORA, MICHAEL, US
[73] HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, C.,
[86] (2812794)
[87] (2812794)
[22] 2006-09-08
[62] 2,622,036
[30] US (60/714,865) 2005-09-08

---

[11] **2,816,164**
[13] C
[51] **Int.Cl. H04N 21/431 (2011.01) H04N 21/482 (2011.01) H04L 9/32 (2006.01)**
[25] EN
[54] **MULTIPLE INTERACTIVE ELECTRONIC PROGRAM GUIDE SYSTEM AND METHODS**
[54] **SYSTEME ET PROCEDES DE GUIDE DE PROGRAMMES ELECTRONIQUE, MULTIPLE ET INTERACTIF**
[72] KNOWLES, JAMES H., US
[72] JOHNSON, KENNETH DAVID, US
[72] CHANG, GORDON, US
[73] ROVI GUIDES, INC.,
[86] (2816164)
[87] (2816164)
[22] 2000-03-06
[62] 2,365,864
[30] US (60/123,294) 1999-03-04
[30] US (60/135,004) 1999-05-20

[11] **2,816,323**
[13] C
[51] **Int.Cl. G06F 15/173 (2006.01) H04L 12/24 (2006.01)**
[25] EN
[54] **FIELD PANEL WITH EMBEDDED WEBSERVER AND METHOD OF ACCESSING THE SAME**
[54] **PANNEAU DE CHAMP AVEC SERVEUR WEB INTEGRE ET PROCEDE D'EVALUATION ASSOCIE**
[72] KOCH, UDO, US
[72] JEFFERS, JOHN, US
[72] KALAFUT, ROBERT L., US
[72] SERIBO, MARGARET, US
[72] SPEARS, LONNIE DOUGLAS, US
[73] SIEMENS INDUSTRY, INC.,
[85] 2013-04-26
[86] 2011-10-31 (PCT/US2011/058509)
[87] (WO2012/058661)
[30] US (61/408,451) 2010-10-29
[30] US (13/284,249) 2011-10-28

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[11] **2,816,416**
[13] C
[51] **Int.Cl. A61K 31/353 (2006.01) A61K 36/47 (2006.01) A61P 1/12 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING HIV-ASSOCIATED DIARRHEA**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DE LA DIARRHEE ASSOCIEE AU HIV**
[72] FORBES, WILLIAM, US
[72] BORTEY, ENOCH, US
[72] KING, STEVEN, US
[72] CHATURVEDI, PRAVIN, US
[73] NAPO PHARMACEUTICALS, INC.,
[85] 2013-04-29
[86] 2011-10-31 (PCT/US2011/058549)
[87] (WO2012/058664)
[30] US (61/408,622) 2010-10-31
[30] US (61/409,335) 2010-11-02
[30] US (61/416,249) 2010-11-22
[30] US (61/434,379) 2011-01-19

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[11] **2,819,401**
[13] C
[51] **Int.Cl. H04N 19/126 (2014.01) H04N 19/146 (2014.01) H04N 19/18 (2014.01)**
[25] EN
[54] **IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT D'IMAGE ET PROCEDE DE TRAITEMENT D'IMAGE**
[72] TANAKA, JUNICHI, JP
[73] VELOS MEDIA INTERNATIONAL LIMITED,
[85] 2013-05-29
[86] 2012-01-18 (PCT/JP2012/050931)
[87] (WO2012/108237)
[30] JP (2011-027896) 2011-02-10
[30] JP (2011-047655) 2011-03-04
[30] JP (2011-187179) 2011-08-30

---

[11] **2,819,761**
[13] C
[51] **Int.Cl. A01K 5/02 (2006.01)**
[25] EN
[54] **FEED DELIVERY DEVICE**
[54] **DISPOSITIF D'ALIMENTATION**
[72] LIET, CORNELIS HENDRICUS, NL
[73] TRIOLIET HOLDING B.V.,
[86] (2819761)
[87] (2819761)
[22] 2013-06-28
[30] DE (202012007207.2) 2012-07-25

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[11] **2,820,882**
[13] C
[51] **Int.Cl. E05D 13/00 (2006.01) E05F 15/632 (2015.01) E05D 15/06 (2006.01)**
[25] EN
[54] **AUTOMATIC SLIDING DOOR SYSTEMS, APPARATUS AND METHODS**
[54] **SYSTEMES AUTOMATIQUES A PORTES COULISSANTES, APPAREILS ET PROCEDES ASSOCIES**
[72] GAZDA, MARK LAWRENCE, US
[72] NORRIS, JAMES MICHAEL, US
[73] PROPEL DOORS, INC.,
[85] 2013-06-07
[86] 2011-12-07 (PCT/US2011/063774)
[87] (WO2012/078776)
[30] US (61/420,655) 2010-12-07
[30] US (61/454,748) 2011-03-21
[30] US (61/509,498) 2011-07-19

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[11] **2,822,965**
[13] C
[51] **Int.Cl. F02C 9/22 (2006.01) F01D 17/16 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE AND VARIABLE CAMBER VANE SYSTEM**
[54] **MOTEUR A TURBINE A GAZ ET SYSTEME D'AILETTES A CAMBRURE VARIABLE**
[72] RESS, ROBERT A., JR., US
[72] MORTON, JAMES, US
[72] MOLNAR, DAN, US
[73] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC.,
[85] 2013-06-25
[86] 2011-12-27 (PCT/US2011/067393)
[87] (WO2012/092277)
[30] US (12/978,843) 2010-12-27

---

[11] **2,824,893**
[13] C
[51] **Int.Cl. A01J 5/04 (2006.01)**
[25] EN
[54] **MILKING DEVICE**
[54] **DISPOSITIF DE TRAITE**
[72] SALAHEDDINE, MOURAD, NL
[72] KLUYTMANS, MARC PETER ELVIRA MARIA, NL
[72] STRENG, PIETER CORNELIS JOHANNES MARIA, NL
[73] PHARMING INTELLECTUAL PROPERTY BV,
[85] 2013-07-16
[86] 2012-01-19 (PCT/NL2012/050030)
[87] (WO2012/099470)
[30] NL (2006046) 2011-01-21
[30] US (61/434,939) 2011-01-21

[11] **2,825,600**
[13] C
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/178 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **MEDICAMENT DELIVERY DEVICES FOR ADMINISTRATION OF A MEDICAMENT WITHIN A PREFILLED SYRINGE**
[54] **DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT POUR L'ADMINISTRATION D'UN MEDICAMENT A L'INTERIEUR D'UNE SERINGUE PRE-REMPLIE**
[72] EDWARDS, ERIC S., US
[72] EDWARDS, EVAN T., US
[72] LICATA, MARK J., US
[72] MEYERS, PAUL F., US
[73] KALEO, INC.,
[85] 2013-07-24
[86] 2012-01-26 (PCT/US2012/022675)
[87] (WO2012/103303)
[30] US (61/436,301) 2011-01-26

---

[11] **2,827,188**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/00 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **BI- AND MONOSPECIFIC, ASYMMETRIC ANTIBODIES AND METHODS OF GENERATING THE SAME**
[54] **ANTICORPS ASYMETRIQUES BI- ET MONOSPECIFIQUES ET LEUR PROCEDE DE GENERATION**
[72] BENHAR, ITAI, IL
[72] VAKS, LILACH, IL
[73] RAMOT AT TEL-AVIV UNIVERSITY LTD.,
[85] 2013-08-12
[86] 2012-03-15 (PCT/IL2012/050093)
[87] (WO2012/123949)
[30] US (61/453,591) 2011-03-17

---

[11] **2,830,796**
[13] C
[51] **Int.Cl. F01K 25/10 (2006.01) F01D 11/04 (2006.01)**
[25] EN
[54] **SEALING SYSTEMS FOR TURBOEXPANDERS FOR USE IN ORGANIC RANKINE CYCLES**
[54] **SYSTEMES D'ETANCHEITE POUR TURBODETENDEURS POUR UTILISATION DANS DES CYCLES DE RANKINE ORGANIQUES**
[72] ASTI, ANTONIO, IT
[72] SUSINI, PAOLO, IT
[72] MARTINI, MARIO, IT
[72] SABELLA, DANTE, IT
[72] LANDI, GIACOMO, IT
[73] NUOVO PIGNONE S.P.A.,
[85] 2013-09-19
[86] 2012-03-29 (PCT/EP2012/055631)
[87] (WO2012/130935)
[30] IT (CO 2011 A 000013) 2011-03-29

---

[11] **2,830,984**
[13] C
[51] **Int.Cl. C07J 1/00 (2006.01) A61K 31/565 (2006.01) A61K 31/566 (2006.01) A61K 31/58 (2006.01) A61K 31/675 (2006.01) A61K 31/69 (2006.01) A61K 51/04 (2006.01) A61P 35/00 (2006.01) C12N 9/04 (2006.01)**
[25] EN
[54] **INHIBITORS OF 17.BETA.-HSD1, 17.BETA.-HSD3 AND 17.BETA.-HSD10.**
[54] **INHIBITEURS DE 17.BETA.-HSD1, 17.BETA.-HSD3 ET 17.BETA.-HSD10.**
[72] MALTAIS, RENE, CA
[72] ROY, JENNY, CA
[72] POIRIER, DONALD, CA
[73] UNIVERSITE LAVAL,
[85] 2013-09-23
[86] 2012-03-26 (PCT/CA2012/000316)
[87] (WO2012/129673)
[30] US (61/467,764) 2011-03-25

---

[11] **2,834,109**
[13] C
[51] **Int.Cl. C25D 3/06 (2006.01) C25D 3/08 (2006.01) C25D 3/10 (2006.01)**
[25] EN
[54] **ELECTROPLATING BATH AND METHOD FOR PRODUCING DARK CHROMIUM LAYERS**
[54] **BAIN ET PROCEDE D'ELECTROPLACAGE POUR LA PRODUCTION DE COUCHES DE CHROME NOIR**
[72] SCHULZ, KLAUS-DIETER, DE
[72] WACHTER, PHILIPP, DE
[72] HARTMANN, PHILIP, DE
[73] ATOTECH DEUTSCHLAND GMBH,
[85] 2013-10-23
[86] 2012-04-27 (PCT/EP2012/057830)
[87] (WO2012/150198)
[30] EP (11164641.0) 2011-05-03

---

[11] **2,834,123**
[13] C
[51] **Int.Cl. H04N 19/139 (2014.01) H04N 19/14 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/52 (2014.01)**
[25] EN
[54] **IMAGE CODING METHOD, IMAGE CODING APPARATUS, IMAGE DECODING METHOD, IMAGE DECODING APPARATUS, AND IMAGE CODING AND DECODING APPARATUS**
[54] **PROCEDE DE CODAGE D'IMAGE, DISPOSITIF DE CODAGE D'IMAGE, PROCEDE DE DECODAGE D'IMAGE, DISPOSITIF DE DECODAGE D'IMAGE, ET DISPOSITIF DE CODAGE/DECODAGE D'IMAGE**
[72] SUGIO, TOSHIYASU, JP
[72] NISHI, TAKAHIRO, JP
[72] SHIBAHARA, YOUJI, JP
[72] TANIKAWA, KYOKO, JP
[72] SASAI, HISAO, JP
[72] MATSUNOBU, TORU, JP
[73] SUN PATENT TRUST,
[85] 2013-10-23
[86] 2012-05-24 (PCT/JP2012/003386)
[87] (WO2012/164880)
[30] US (61/490,777) 2011-05-27

[11] **2,834,404**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTI-CD40 ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-CD40 ET LEURS PROCEDES D'UTILISATION**
[72] ZHANG, YONGKE, US
[72] YU, GUO-LIANG, US
[72] ZHU, WEIMIN, US
[73] APEXIGEN, INC.,
[85] 2013-10-25
[86] 2012-04-27 (PCT/US2012/035502)
[87] (WO2012/149356)
[30] US (61/480,863) 2011-04-29
[30] US (61/622,435) 2012-04-10

[11] **2,834,704**
[13] C
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/747 (2015.01) A23K 10/16 (2016.01) A23L 33/135 (2016.01)**
[25] EN
[54] **POLYBACTERIAL PREPARATION AND METHOD FOR OBTAINING THEREOF**
[54] **PREPARATION POLYBACTERIENNE ET PROCEDE POUR SON OBTENTION**
[72] DIMITROV, ZHECHKO, BG
[72] MICHAYLOVA, MICHAELA, BG
[73] LB BULGARICUM PLC,
[85] 2013-10-30
[86] 2012-05-03 (PCT/BG2012/000014)
[87] (WO2012/149615)
[30] BG (110932) 2011-05-04

[11] **2,846,123**
[13] C
[51] **Int.Cl. E04B 7/16 (2006.01) B25J 5/04 (2006.01) B61B 13/00 (2006.01)**
[25] EN
[54] **SELF-DOCKING RAIL ASSEMBLY**
[54] **ASSEMBLAGE DE RAIL A AUTO-ARRIMAGE**
[72] DELANEY, FRANCOIS, CA
[73] DELANEY TECHNOLOGIES INC.,
[85] 2014-02-21
[86] 2011-08-25 (PCT/CA2011/000964)
[87] (WO2012/024781)
[30] US (61/344,577) 2010-08-25

[11] **2,847,182**
[13] C
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 17/17 (2006.01) A61F 2/28 (2006.01) A61F 2/32 (2006.01) A61F 2/38 (2006.01) A61F 2/44 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **SURGICAL INSTRUMENT INCLUDING A CUTTING ACCESSORY EXTENDING FROM A HOUSING AND ACTUATORS THAT ESTABLISH THE POSITION OF THE CUTTING ACCESSORY RELATIVE TO THE HOUSING**
[54] **INSTRUMENT CHIRURGICAL COMPRENANT UN BOITIER, UN ACCESSOIRE DE COUPE QUI S'ETEND A PARTIR DU BOITIER ET DES ACTIONNEURS QUI ETABLISSENT LA POSITION DE L'ACCESSOIRE DE COUPE PAR RAPPORT AU BOITIER**
[72] BOZUNG, TIMOTHY J., US
[73] STRYKER CORPORATION,
[85] 2014-02-27
[86] 2012-08-31 (PCT/US2012/053395)
[87] (WO2013/033566)
[30] US (61/530,614) 2011-09-02
[30] US (61/662,070) 2012-06-20

[11] **2,848,093**
[13] C
[51] **Int.Cl. F16L 55/07 (2006.01) A01K 39/02 (2006.01) E03B 7/08 (2006.01) F16K 24/00 (2006.01)**
[25] EN
[54] **BREATHER CAP ASSEMBLY**
[54] **ENSEMBLE RENIFLARD**
[72] ORGILL, MICHAEL ALLEN, US
[72] ROES, CHRISTOPHER RICHARD, US
[72] KIPHART, ROGER STEVEN, US
[72] WHITE, GRANT ALEXANDER, US
[73] CTB, INC.,
[86] (2848093)
[87] (2848093)
[22] 2012-08-30
[62] 2,788,371
[30] US (13/534,294) 2012-06-27

[11] **2,849,909**
[13] C
[51] **Int.Cl. C08L 75/04 (2006.01)**
[25] EN
[54] **SINGLE LAYER FLEXIBLE FOAM INCLUDING POLYURETHANE GEL**
[54] **MOUSSE FLEXIBLE SIMPLE COUCHE INCLUANT UN GEL DE POLYURETHANNE**
[72] SMIECINSKI, THEODORE M., US
[73] BASF SE,
[85] 2014-03-24
[86] 2012-09-26 (PCT/US2012/057304)
[87] (WO2013/049181)
[30] US (61/626,394) 2011-09-26

[11] **2,855,084**
[13] C
[51] **Int.Cl. G21C 1/08 (2006.01) G21C 15/18 (2006.01) G21C 15/24 (2006.01)**
[25] EN
[54] **PRESSURIZED WATER REACTOR WITH UPPER PLENUM INCLUDING CROSS-FLOW BLOCKING WEIR**
[54] **REACTEUR A EAU SOUS PRESSION AYANT UN PLENUM SUPERIEUR COMPRENANT UN BARRAGE DE BLOCAGE D'ECOULEMENT CROISE**
[72] SHARGOTS, SCOTT J., US
[72] ALES, MATTHEW W, US
[72] EDWARDS, MICHAEL J., US
[72] WHITTEN, ANDREW C., US
[72] LI, YUANMING R., CA
[72] MILLMAN, JEFFREY C., CA
[72] MCGILLIVRAY, ROY, CA
[73] BABCOCK & WILCOX CANADA LTD.,
[73] BWXT MPOWER, INC.,
[85] 2014-05-08
[86] 2012-09-28 (PCT/US2012/057791)
[87] (WO2013/095741)
[30] US (13/293,899) 2011-11-10

[11] **2,855,565**
[13] C
[51] **Int.Cl. H01M 4/134 (2010.01) C01D 15/00 (2006.01) C23C 22/00 (2006.01) H01M 4/36 (2006.01) H01M 4/38 (2006.01) H01M 4/62 (2006.01) H01M 10/52 (2006.01)**
[25] EN
[54] **LI2S@C-COATED LITHIUM METAL PRODUCT, METHOD FOR THE PRODUCTION THEREOF, AND USE**
[54] **PRODUIT DE METAL LITHIUM REVETU DE LI2S@C, PROCEDE DE PREPARATION ET UTILISATION**
[72] WIETELMANN, ULRICH, DE
[72] EMMEL, UTE, DE
[72] HARTNIG, CHRISTOPH, DE
[72] LANG, SEBASTIAN, DE
[73] ROCKWOOD LITHIUM GMBH,
[85] 2014-05-12
[86] 2012-11-09 (PCT/EP2012/072234)
[87] (WO2013/068523)
[30] DE (10 2011 086 035.5) 2011-11-09

[11] **2,857,275**
[13] C
[51] **Int.Cl. F27B 9/10 (2006.01) B29C 35/06 (2006.01) B29C 67/24 (2006.01) F26B 13/10 (2006.01) F27B 9/24 (2006.01)**
[25] FR
[54] **OVEN FOR MANUFACTURING A MINERAL WOOL PRODUCT**
[54] **ETUVE POUR LA FABRICATION D'UN PRODUIT EN LAINE MINERALE**
[72] CELLE, PIERRE, FR
[72] BAUDOUIN, BERNARD, FR
[73] SAINT-GOBAIN ISOVER,
[85] 2014-05-28
[86] 2012-12-19 (PCT/FR2012/053004)
[87] (WO2013/093348)
[30] FR (1162034) 2011-12-20

[11] **2,857,290**
[13] C
[51] **Int.Cl. C08L 23/16 (2006.01) C08K 3/34 (2006.01)**
[25] EN
[54] **ETHYLENE-PROPYLENE-DIENE INTERPOLYMER COMPOSITION**
[54] **COMPOSITION INTERPOLYMERE D'ETHYLENE-PROPYLENE-DIENE**
[72] WALTHER, BRIAN W., US
[72] SONG, SUSAN, US
[72] CARONIA, PAUL J., US
[72] FU, LIN, US
[73] DOW GLOBAL TECHNOLOGIES LLC,
[85] 2014-05-28
[86] 2012-11-30 (PCT/US2012/067257)
[87] (WO2013/090024)
[30] US (61/570,065) 2011-12-13

[11] **2,857,849**
[13] C
[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/119 (2014.01) H04N 19/124 (2014.01) H04N 19/129 (2014.01) H04N 19/13 (2014.01) H04N 19/60 (2014.01) H04N 19/86 (2014.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ENCODING A MOVING PICTURE**
[54] **APPAREIL ET PROCEDE POUR CODER UNE IMAGE ANIMEE**
[72] OH, SOO MI, KR
[72] YANG, MOONOCK, KR
[73] M&K HOLDINGS INC.,
[86] (2857849)
[87] (2857849)
[22] 2011-04-22
[62] 2,797,047
[30] KR (10-2010-0038158) 2010-04-23

[11] **2,858,069**
[13] C
[51] **Int.Cl. C12N 5/0789 (2010.01) C12N 5/071 (2010.01) A61K 35/28 (2015.01) C07D 473/34 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENHANCED GENERATION OF HEMATOPOIETIC STEM/PROGENITOR CELLS**
[54] **COMPOSITIONS ET PROCEDES POUR LA GENERATION AMELIOREE DE CELLULES SOUCHES/PROGENITRICES HEMATOPOIETIQUES**
[72] BERNSTEIN, IRWIN D., US
[72] BOITANO, ANTHONY E., US
[72] COOKE, MICHAEL, US
[72] DELANEY, COLLEEN, US
[73] FRED HUTCHINSON CANCER RESEARCH CENTER,
[73] NOVARTIS AG,
[85] 2014-06-02
[86] 2012-12-07 (PCT/US2012/068599)
[87] (WO2013/086436)
[30] US (61/568,573) 2011-12-08

[11] **2,858,159**
[13] C
[51] **Int.Cl. B60C 11/16 (2006.01)**
[25] EN
[54] **STUDDED TYRE WITH STUD-SURROUNDING CAVITIES**
[54] **PNEU CLOUTE A CAVITES ENTOURANT LE CLOU**
[72] FABING, DANIEL, FR
[72] BATNINI, ILLYES, FR
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN,
[73] MICHELIN RECHERCHE ET TECHNIQUE S.A.,
[85] 2014-06-04
[86] 2012-12-14 (PCT/EP2012/075613)
[87] (WO2013/092434)
[30] FR (1162122) 2011-12-21
[30] US (61/610,282) 2012-03-13

[11] **2,859,684**
[13] C
[51] **Int.Cl. A61M 16/12 (2006.01) A61M 16/01 (2006.01) A61M 16/20 (2006.01) A61M 16/22 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR FACILITATING DELIVERY OF ANAESTHETIC**
[54] **PROCEDE ET APPAREIL FACILITANT L'ADMINISTRATION D'UN ANESTHESIQUE**
[72] DUNLOP, COLIN, AU
[73] DUNLOP, COLIN,
[85] 2014-06-18
[86] 2012-11-19 (PCT/AU2012/001428)
[87] (WO2013/071370)
[30] AU (2011904836) 2011-11-18

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[11] **2,859,966**
[13] C
[51] **Int.Cl. B60B 23/00 (2006.01) B60B 3/00 (2006.01) B60B 23/12 (2006.01)**
[25] EN
[54] **VARIABLE TRACK WHEEL**
[54] **ROUE A VOIE VARIABLE**
[72] PELLICANO', PASQUALE PATRIZIO, IT
[72] DONATI, GRAZIANO, IT
[73] TITAN ITALIA S.P.A.,
[85] 2014-06-19
[86] 2012-12-10 (PCT/IB2012/057135)
[87] (WO2013/093703)
[30] EP (11194646.3) 2011-12-20

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[11] **2,860,258**
[13] C
[51] **Int.Cl. C08J 11/16 (2006.01)**
[25] EN
[54] **CATALYST FOR DECOMPOSING A PLASTIC**
[54] **CATALYSEUR POUR DECOMPOSER UNE MATIERE PLASTIQUE**
[72] RAMESH, SWAMINATHAN, US
[73] RAMESH, SWAMINATHAN,
[85] 2014-06-20
[86] 2012-12-21 (PCT/US2012/071291)
[87] (WO2013/096794)
[30] US (61/630,894) 2011-12-21

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[11] **2,860,339**
[13] C
[51] **Int.Cl. F24F 13/14 (2006.01) F16K 1/226 (2006.01)**
[25] EN
[54] **AIRTIGHT BUSHING FOR DUCTWORK DAMPER AND THE LIKE AND DUCTWORK DAMPER UNIT INCORPORATING SAME**
[54] **DOUILLE ETANCHE POUR REGISTRE DE CANALISATION ET SIMILAIRE ET UNITE DE REGISTRE DE CANALISATION COMPRENANT CELLE-CI**
[72] YOSKOWITZ, DAVID, US
[73] CAPITAL HARDWARE SUPPLY, LLC,
[85] 2014-06-23
[86] 2012-09-07 (PCT/US2012/054069)
[87] (WO2013/036711)
[30] US (61/573,679) 2011-09-09
[30] US (13/481,336) 2012-05-25

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[11] **2,861,220**
[13] C
[51] **Int.Cl. H04N 9/07 (2006.01) H04N 5/367 (2011.01)**
[25] EN
[54] **IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD, AND PROGRAM**
[54] **DISPOSITIF DE TRAITEMENT D'IMAGE, PROCEDE DE TRAITEMENT D'IMAGE, ET PROGRAMME**
[72] TACHI, MASAYUKI, JP
[73] SONY CORPORATION,
[85] 2014-06-25
[86] 2012-11-29 (PCT/JP2012/080872)
[87] (WO2013/111449)
[30] JP (2012-011716) 2012-01-24

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[11] **2,865,256**
[13] C
[51] **Int.Cl. C07K 16/32 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **HER3 INHIBITOR FOR MODULATING RADIOSENSITIVITY**
[54] **INHIBITEUR DE HER3 PERMETTANT DE MODULER LA RADIOSENSIBILITE**
[72] WHEELER, DERIC L, US
[72] HETTMANN, THORE, DE
[73] DAIICHI SANKYO EUROPE GMBH,
[85] 2014-08-21
[86] 2013-02-22 (PCT/EP2013/053562)
[87] (WO2013/124419)
[30] US (61/602,239) 2012-02-23

---

[11] **2,865,957**
[13] C
[51] **Int.Cl. C07D 491/052 (2006.01) A61K 31/436 (2006.01) A61K 31/496 (2006.01) A61K 31/4995 (2006.01) A61K 31/551 (2006.01) A61P 21/00 (2006.01) C07D 498/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATING SPINAL MUSCULAR ATROPHY**
[54] **COMPOSES POUR LE TRAITEMENT DE L'AMYOTROPHIE SPINALE**
[72] LEE, CHANG-SUN, US
[72] CHOI, SOONGYU, US
[72] KARP, GARY MITCHELL, US
[72] KOYAMA, HIROO, JP
[72] RATNI, HASANE, FR
[73] PTC THERAPEUTICS, INC.,
[73] F. HOFFMANN-LA ROCHE AG,
[85] 2014-08-28
[86] 2013-02-28 (PCT/US2013/028131)
[87] (WO2013/130689)
[30] US (61/605,487) 2012-03-01

[11] **2,865,974**
[13] C
[51] **Int.Cl. B44B 5/02 (2006.01) B24C 1/06 (2006.01) B44C 1/22 (2006.01) B44C 5/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A SURFACE STRUCTURE WITH A WATER-JET DEVICE**
[54] **PROCEDE POUR LA PRODUCTION D'UNE STRUCTURE DE SURFACE A L'AIDE D'UN DISPOSITIF A JET D'EAU**
[72] STOFFEL, WOLFGANG, DE
[73] HUECK RHEINISCHE GMBH,
[85] 2014-08-29
[86] 2013-06-24 (PCT/EP2013/001852)
[87] (WO2014/000879)
[30] EP (12004788.1) 2012-06-26

---

[11] **2,866,377**
[13] C
[51] **Int.Cl. A61K 31/4178 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/505 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING OLMESARTAN MEDOXOMIL AND ROSUVASTATIN OR ITS SALT**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DE L'OLMESARTAN MEDOXOMIL ET DE LA ROSUVASTATINE OU SON SEL**
[72] CHANG, HEE-CHUL, KR
[72] KANG, BOK-KI, KR
[72] KIM, JUN-KU, KR
[73] DAEWOONG PHARMACEUTICAL CO., LTD.,
[85] 2014-09-04
[86] 2013-03-22 (PCT/KR2013/002378)
[87] (WO2013/147462)
[30] KR (10-2012-0032903) 2012-03-30

---

[11] **2,867,081**
[13] C
[51] **Int.Cl. A61F 11/00 (2006.01) A61F 11/04 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BALANCE STABILIZATION**
[54] **SYSTEMES ET PROCEDES DE STABILISATION D'EQUILIBRE**
[72] CUSHING, SHARON, CA
[72] PAPSIN, BLAKE C., CA
[72] POTHIER, DAVID, CA
[72] HUGHES, CIAN, IE
[73] THE HOSPITAL FOR SICK CHILDREN,
[73] UNIVERSITY HEALTH NETWORK,
[85] 2014-09-11
[86] 2013-03-12 (PCT/CA2013/050184)
[87] (WO2013/134873)
[30] US (61/609,672) 2012-03-12

---

[11] **2,870,618**
[13] C
[51] **Int.Cl. F01D 25/16 (2006.01) F02C 7/06 (2006.01) F02C 7/36 (2006.01)**
[25] FR
[54] **ASSEMBLY PROCESS OF A TURBO-JET ENGINE HEATING UNITCE**
[54] **PROCEDE DE DEMONTAGE D'UN TURBOREACTEUR , DISPOSITIF DE CHAUFFAGE**
[72] TAILPIED, FABRICE, FR
[72] DAGRON, HERVE, FR
[72] MUSTIERE, CEDRIC, FR
[73] SNECMA,
[85] 2014-10-16
[86] 2013-05-02 (PCT/FR2013/050979)
[87] (WO2013/164552)
[30] FR (1254031) 2012-05-02

---

[11] **2,871,923**
[13] C
[51] **Int.Cl. F23R 3/06 (2006.01) F23R 3/24 (2006.01) F23R 3/50 (2006.01)**
[25] FR
[54] **TURBOMACHINE COMBUSTION CHAMBER SHELL RING**
[54] **VIROLE DE CHAMBRE DE COMBUSTION DE TURBOMACHINE**
[72] SANDELIS, DENIS JEAN MAURICE, FR
[73] SNECMA,
[85] 2014-10-28
[86] 2013-05-23 (PCT/FR2013/051117)
[87] (WO2013/175126)
[30] FR (12 54847) 2012-05-25

---

[11] **2,873,331**
[13] C
[51] **Int.Cl. E06C 7/50 (2006.01) E06C 1/24 (2006.01)**
[25] EN
[54] **A HINGED CONNECTION ELEMENT FOR A FOLDING LADDER**
[54] **ELEMENT DE LIAISON ARTICULE POUR ECHELLE PLIANTE**
[72] LENG, LUHAO, CN
[73] NEW-TEC INTEGRATION (XIAMEN) CO., LTD.,
[86] (2873331)
[87] (2873331)
[22] 2014-12-04
[30] CN (201320797188.8) 2013-12-05

---

[11] **2,873,783**
[13] C
[51] **Int.Cl. C08C 1/00 (2006.01) B01D 11/02 (2006.01) C08C 1/04 (2006.01) C08L 7/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS CONTAINING PURIFIED NON-HEVEA RUBBER AND RELATED PURIFICATION METHODS**
[54] **COMPOSITIONS CONTENANT UN CAOUTCHOUC NON-HEVEA PURIFIE ET PROCEDES DE PURIFICATION S'Y RAPPORTANT**
[72] RANDALL, AMY, US
[72] GOZEN, ARIF OMER, US
[73] BRIDGESTONE CORPORATION,
[85] 2014-11-14
[86] 2013-05-16 (PCT/US2013/041422)
[87] (WO2013/173625)
[30] US (61/647,778) 2012-05-16

---

[11] **2,874,284**
[13] C
[51] **Int.Cl. A61F 5/445 (2006.01) A61F 5/44 (2006.01)**
[25] EN
[54] **COMFORT LAYER FOR A COLLECTING BAG**
[54] **COUCHE DE CONFORT POUR UNE POCHE DE COLLECTE**
[72] FREIDING, MARKUS, DK
[73] COLOPLAST A/S,
[85] 2014-11-20
[86] 2013-05-17 (PCT/DK2013/050150)
[87] (WO2013/174382)
[30] DK (PA 2012 70279) 2012-05-25

[11] **2,874,635**
[13] C
[51] **Int.Cl. H01R 24/20 (2011.01) B29C 45/14 (2006.01) H01R 13/436 (2006.01)**
[25] EN
[54] **CONTROLLED FORCE GROUND POWER CONNECTOR**
[54] **PRISE D'ALIMENTATION DE PARC A FORCE CONTROLEE**
[72] WHITE, JOHN ANDREW, US
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2014-11-24
[86] 2013-05-21 (PCT/US2013/041946)
[87] (WO2014/062239)
[30] US (13/481,786) 2012-05-26

---

[11] **2,875,698**
[13] C
[51] **Int.Cl. B65G 21/02 (2006.01) B65G 15/00 (2006.01)**
[25] EN
[54] **CLEANABLE CONVEYOR FRAME ASSEMBLY**
[54] **ENSEMBLE CADRE DE TRANSPORTEUR POUVANT ETRE NETTOYE**
[72] GUERNSEY, KEVIN W., US
[72] LANDRUM, JOHN F., US
[72] DRAPANAS, MARK T., US
[72] THOMAS, MANOJ, NL
[73] LAITRAM, L.L.C.,
[85] 2014-12-03
[86] 2013-06-20 (PCT/US2013/046686)
[87] (WO2013/192366)
[30] US (61/662,165) 2012-06-20
[30] US (61/753,520) 2013-01-17

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[11] **2,876,609**
[13] C
[51] **Int.Cl. D21H 17/45 (2006.01) D21H 21/10 (2006.01) D21F 11/02 (2006.01) D21H 17/55 (2006.01)**
[25] EN
[54] **IMPROVED METHOD FOR MANUFACTURING PAPER USING A CATIONIC POLYMER OBTAINED BY HOFMANN DEGRADATION**
[54] **PROCEDE AMELIORE DE FABRICATION DE PAPIER UTILISANT UN POLYMERE CATIONIQUE OBTENU PAR DEGRADATION D'HOFMANN**
[72] HUND, RENE, FR
[72] AURIANT, CHRISTOPHE, FR
[73] S.P.C.M. SA,
[85] 2014-12-12
[86] 2013-06-17 (PCT/FR2013/051406)
[87] (WO2014/009621)
[30] FR (1256575) 2012-07-09

---

[11] **2,877,033**
[13] C
[51] **Int.Cl. H04R 1/10 (2006.01) H04R 1/28 (2006.01)**
[25] EN
[54] **HEARING PROTECTOR**
[54] **PROTECTEUR D'AUDITION**
[72] OHLANDER, JOAKIM, SE
[73] HELLBERG SAFETY AB,
[85] 2014-12-17
[86] 2013-06-20 (PCT/EP2013/062919)
[87] (WO2013/190056)
[30] SE (1250675-4) 2012-06-21
[30] EP (13155939.5) 2013-02-20

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[11] **2,880,165**
[13] C
[51] **Int.Cl. C07D 207/36 (2006.01) A61K 31/4015 (2006.01) A61K 31/403 (2006.01) A61K 31/437 (2006.01) A61K 31/438 (2006.01) A61K 31/4412 (2006.01) A61K 31/4418 (2006.01) A61K 31/443 (2006.01) A61K 31/4436 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61K 31/4704 (2006.01) A61K 31/4709 (2006.01) A61K 31/496 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61K 31/55 (2006.01) A61P 7/06 (2006.01) A61P 43/00 (2006.01) C07D 209/54 (2006.01) C07D 211/90 (2006.01) C07D 215/56 (2006.01) C07D 221/20 (2006.01) C07D 223/14 (2006.01) C07D 401/06 (2006.01) C07D 401/10 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/06 (2006.01) C07D 409/06 (2006.01) C07D 409/10 (2006.01) C07D 413/06 (2006.01) C07D 413/10 (2006.01) C07D 413/12 (2006.01) C07D 417/06 (2006.01) C07D 417/10 (2006.01) C07D 417/12 (2006.01) C07D 471/10 (2006.01) C07D 491/107 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **PARTIALLY SATURATED NITROGEN-CONTAINING HETEROCYCLIC COMPOUND**
[54] **COMPOSE HETEROCYCLIQUE CONTENANT DE L'AZOTE PARTIELLEMENT SATURE**
[72] TAKAYAMA, TETSUO, JP
[72] SHIBATA, TSUYOSHI, JP
[72] SHIOZAWA, FUMIYASU, JP
[72] KAWABE, KENICHI, JP
[72] SHIMIZU, YUKI, JP
[72] HAMADA, MAKOTO, JP
[72] HIRATATE, AKIRA, JP
[72] TAKAHASHI, MASATO, JP
[72] USHIYAMA, FUMIHITO, JP
[72] OI, TAKAHIRO, JP
[72] SHIRASAKI, YOSHIHISA, JP
[72] MATSUDA, DAISUKE, JP
[72] KOIZUMI, CHIE, JP
[72] KATO, SOTA, JP
[73] TAISHO PHARMACEUTICAL CO., LTD.,
[85] 2015-01-27
[86] 2013-07-29 (PCT/JP2013/070522)
[87] (WO2014/021281)
[30] JP (2012-168828) 2012-07-30

[11] **2,884,684**
[13] C
[51] **Int.Cl. H02J 15/00 (2006.01) F03G 3/08 (2006.01)**
[25] EN
[54] **APPARATUS FOR STORING AND RELEASING ELECTRICAL ENERGY USING A FLYWHEEL AND A PLURALITY OF ELECTROCHEMICAL ACCUMULATORS**
[54] **APPAREIL PERMETTANT DE STOCKER ET DE LIBERER DE L'ENERGIE ELECTRIQUE AU MOYEN D'UN VOLANT ET D'UNE PLURALITE D'ACCUMULATEURS ELECTROCHIMIQUES**
[72] DUBOIS, MAXIME, CA
[72] BEAUCHAMP, PHILIPPE, CA
[72] JARJOUR, RAMI, CA
[73] SOCPRA SCIENCES ET GENIE S.E.C.,
[85] 2015-03-12
[86] 2013-09-13 (PCT/CA2013/000777)
[87] (WO2014/040172)
[30] US (61/700,524) 2012-09-13

[11] **2,884,855**
[13] C
[51] **Int.Cl. G02C 7/08 (2006.01) A61F 9/04 (2006.01) G09G 5/24 (2006.01)**
[25] EN
[54] **FACE MOUNTED EXTREME ENVIRONMENT THERMAL SENSOR SYSTEM**
[54] **SYSTEME DE CAPTEUR THERMIQUE D'ENVIRONNEMENT EXTREME MONTE SUR LA TETE**
[72] LAVOIE, BARRY, US
[73] BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.,
[85] 2015-03-12
[86] 2013-09-04 (PCT/US2013/058000)
[87] (WO2014/042927)
[30] US (61/700,070) 2012-09-12
[30] US (13/833,172) 2013-03-15

[11] **2,887,602**
[13] C
[51] **Int.Cl. B28C 7/02 (2006.01) G01F 22/02 (2006.01) G01N 11/02 (2006.01)**
[25] EN
[54] **DELIVERY VEHICLE MIXING DRUM CONCRETE VOLUME REPORTING**
[54] **INDICATION DE VOLUME DE BETON CONTENU DANS UN TAMBOUR DE MELANGE D'UN VEHICULE DE DISTRIBUTION**
[72] ROBERTS, MARK F., US
[72] JORDAN, RICHARD K., US
[72] COOLEY, ROY J., US
[72] KOEHLER, ERIC P., US
[72] BAHIRA, MERIEM, US
[73] VERIFI LLC,
[85] 2015-04-08
[86] 2013-10-11 (PCT/US2013/064600)
[87] (WO2014/062510)
[30] US (61/713/935) 2012-10-15

[11] **2,887,777**
[13] C
[51] **Int.Cl. B25D 17/00 (2006.01) F16J 15/3276 (2016.01) F16J 15/3284 (2016.01)**
[25] FR
[54] **SEALING DEVICE FOR HYDRAULIC STRIKING APPARATUS AND HYDRAULIC STRIKING APPARATUS INCLUDING SUCH A SEALING DEVICE**
[54] **DISPOSITIF D'ETANCHEITE POUR APPAREIL HYDRAULIQUE A PERCUSSIONS, ET APPAREIL HYDRAULIQUE A PERCUSSIONS COMPRENANT UN TEL DISPOSITIF D'ETANCHEITE**
[72] ESCOLLE, MICHEL, FR
[73] MONTABERT,
[85] 2015-04-09
[86] 2013-10-11 (PCT/EP2013/071269)
[87] (WO2014/060304)
[30] FR (12/59801) 2012-10-15

[11] **2,889,328**
[13] C
[51] **Int.Cl. A61L 15/28 (2006.01) A61L 15/60 (2006.01) A61L 26/00 (2006.01)**
[25] EN
[54] **WOUND CARE DEVICES THAT GEL UPON CONTACT WITH FLUIDS**
[54] **DISPOSITIFS DE SOIN DE PLAIE QUI GELENT AU CONTACT AVEC LES FLUIDES**
[72] DARBY, STUART, GB
[72] HARDY, CRAIG, GB
[72] HOGGARTH, ANDREW, GB
[73] MEDTRADE PRODUCTS LIMITED,
[85] 2015-04-23
[86] 2013-11-07 (PCT/GB2013/052925)
[87] (WO2014/072721)
[30] GB (1220076.2) 2012-11-07

[11] **2,890,358**
[13] C
[51] **Int.Cl. C07K 1/16 (2006.01) C07K 1/18 (2006.01) C07K 1/20 (2006.01)**
[25] EN
[54] **PURIFICATION OF RECOMBINANT HUMAN GALACTOCEREBROSIDE .BETA.-GALACTOSIDASE (RHGALC)**
[54] **PURIFICATION DE GALACTOCEREBROSIDE .BETA.-GALACTOSIDASE HUMAINE RECOMBINANTE (RHGALC)**
[72] FOGH, JENS, DK
[72] ANDERSSON, CLAES, SE
[72] HYDEN, PIA, SE
[72] GULSTAD, PIA RINGHOLM, DK
[72] LUNDELL, KERSTIN, SE
[72] HJERTMAN, MAGNUS, SE
[73] CHIESI FARMACEUTICI S.P.A.,
[85] 2015-04-29
[86] 2013-11-13 (PCT/DK2013/050378)
[87] (WO2014/075688)
[30] DK (PA 2012 70699) 2012-11-13

[11] **2,892,446**
[13] C
[51] **Int.Cl. A47J 36/02 (2006.01)**
[25] FR
[54] **COOKING DEVICE COMPRISING A COOKING SURFACE THAT IS EASY TO CLEAN AND RESISTANT TO SCRATCHING**
[54] **DISPOSITIF DE CUISSON COMPORTANT UNE SURFACE DE CUISSON FACILE A NETTOYER ET RESISTANT A LA RAYURE**
[72] PIERSON, JEAN-FRANCOIS, FR
[72] ALLEMAND, SIMON, FR
[72] MEYER, MICKAEL, FR
[72] TUFFE, STEPHANE, FR
[73] CNRS - CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (EPST),
[73] SEB S.A.,
[73] UNIVERSITE DE LORRAINE,
[85] 2015-05-22
[86] 2013-11-22 (PCT/EP2013/074505)
[87] (WO2014/079981)
[30] FR (1261228) 2012-11-26

[11] **2,898,716**
[13] C
[51] **Int.Cl. B05B 1/18 (2006.01) E03C 1/06 (2006.01)**
[25] EN
[54] **BRACKET FOR SHOWERHEAD WITH INTEGRAL FLOW CONTROL**
[54] **SUPPORT POUR POMME DE DOUCHE AVEC REGULATION DE DEBIT INTEGREE**
[72] QUINN, MICHAEL J., US
[72] LEBER, LELAND C., US
[72] LUETTGEN, HAROLD A., US
[72] SAUNDERS, RYAN, US
[73] WATER PIK, INC.,
[86] (2898716)
[87] (2898716)
[22] 2013-06-21
[62] 2,820,623
[30] US (61/663,385) 2012-06-22

[11] **2,899,395**
[13] C
[51] **Int.Cl. C23C 4/06 (2016.01) C23C 4/134 (2016.01) B22F 1/00 (2006.01) C23C 24/08 (2006.01) F01D 11/12 (2006.01) F16J 15/16 (2006.01) F01D 5/28 (2006.01)**
[25] EN
[54] **ABRADABLE COMPOSITION AND SEAL OF AN AXIAL-FLOW TURBOMACHINE COMPRESSOR CASING**
[54] **COMPOSITION ABRADABLE ET JOINT D'ETANCHEITE D'UN LOGEMENT DE COMPRESSEUR D'UNE TURBOMACHINE A FLUX AXIAL**
[72] SCHUSTER, LAURENT, BE
[73] SAFRAN AERO BOOSTERS SA,
[86] (2899395)
[87] (2899395)
[22] 2015-08-05
[30] EP (14194526.1) 2014-11-24

[11] **2,900,688**
[13] C
[51] **Int.Cl. G08B 21/24 (2006.01) G07C 11/00 (2006.01)**
[25] EN
[54] **HAND HYGIENE DISPENSER MONITOR**
[54] **MONITEUR DE DISTRIBUTEUR DE PRODUIT POUR L'HYGIENE DES MAINS**
[72] LIMBERT, DEAN PHILIP, GB
[72] BOUTON, DIDIER, GB
[72] DODDS, PAUL SAMUEL, GB
[72] LANG, CHRISTOPHER JAMES, GB
[73] DEB IP LIMITED,
[85] 2015-08-10
[86] 2013-02-13 (PCT/IB2013/000646)
[87] (WO2014/125320)

[11] **2,901,359**
[13] C
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/20 (2016.01) A61B 90/11 (2016.01) A61B 10/04 (2006.01) A61B 17/32 (2006.01) B25J 9/18 (2006.01)**
[25] EN
[54] **AUTOMATED IN-BORE MR GUIDED ROBOTIC DIAGNOSTIC AND THERAPEUTIC SYSTEM**
[54] **DIAGNOSTIC ROBOTIQUE AUTOMATISE GUIDE PAR RESONANCE MAGNETIQUE DANS UN ALESAGE ET SYSTEME THERAPEUTIQUE**
[72] ANVARI, MEHRAN, CA
[72] STEFURAK, LIANNE, CA
[72] REEDMAN, TIM, CA
[72] FIELDING, TIMOTHY SCOTT, CA
[72] SCHMIDT, MICHAEL RICHARD MAX, CA
[72] RANDALL, KEVIN JOHN, CA
[72] DOBRANOWSKI, JULIAN, CA
[72] BOYLAN, COLM, CA
[72] LEE, LAWRENCE QI CHAO, CA
[72] MORENCY, KEVIN WARREN, CA
[73] CENTRE FOR SURGICAL INVENTION & INNOVATION,
[86] (2901359)
[87] (2901359)
[22] 2010-11-26
[62] 2,781,788
[30] US (61/264,761) 2009-11-27
[30] US (61/334,851) 2010-05-14

[11] **2,902,147**
[13] C
[51] **Int.Cl. A61K 39/42 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING AT LEAST TWO INFLUENZA A VIRUS-NEUTRALIZING-BINDING MOLECULES**
[54] **COMPOSITION COMPRENANT AU MOINS DEUX MOLECULES DE LIAISON DE NEUTRALISATION DU VIRUS DE LA GRIPPE A**
[72] HONG, SEUNG SUH, KR
[72] CHANG, SHIN JAE, KR
[72] KWON, KI SUNG, KR
[72] YI, KYE SOOK, KR
[72] KIM, SUNG HWAN, KR
[72] LEE, EUN BEOM, KR
[72] LEE, JAE WON, KR
[72] LEE, SO JUNG, KR
[72] SHIN, JI YOUNG, KR
[72] CHO, MYUNG SAM, KR
[73] CELLTRION INC.,
[85] 2015-08-21
[86] 2014-03-28 (PCT/KR2014/002691)
[87] (WO2014/158001)
[30] KR (10-2013-0034041) 2013-03-29
[30] KR (10-2013-0148247) 2013-12-02

[11] **2,903,761**
[13] C
[51] **Int.Cl. B07B 1/46 (2006.01) B07B 13/16 (2006.01) E21B 21/06 (2006.01)**
[25] EN
[54] **VECTOR MAXIMIZING SCREEN**
[54] **ECRAN DE MAXIMISATION VECTORIELLE**
[72] LARSON, THOMAS ROBERT, US
[72] DUFILHO, PAUL WILLIAM, US
[73] NATIONAL OILWELL VARCO, L.P.,
[85] 2015-09-02
[86] 2014-03-08 (PCT/US2014/022172)
[87] (WO2014/138714)
[30] US (61/775,177) 2013-03-08
[30] US (14/200,515) 2014-03-07

[11] **2,904,380**
[13] C
[51] **Int.Cl. B01J 8/34 (2006.01)**
[25] EN
[54] **FLUIDIZED BED REACTOR SYSTEM**
[54] **SYSTEME DE REACTEUR A LIT FLUIDISE**
[72] SCHMID, JOHANNES, AT
[72] PROLL, TOBIAS, AT
[72] HOFBAUER, HERMANN, AT
[73] TECHNISCHE UNIVERSITAT WIEN,
[85] 2015-06-04
[86] 2013-11-11 (PCT/AT2013/050216)
[87] (WO2014/071436)
[30] AT (A1202/2012) 2012-11-12

[11] **2,905,212**
[13] C
[51] **Int.Cl. A61M 5/34 (2006.01)**
[25] EN
[54] **ATTACHMENT FOR A SYRINGE, CARPULE OR THE LIKE**
[54] **EMBOUT POUR UNE SERINGUE, CARPULE OU ANALOGUE**
[72] ZENKER, JOCHEN, DE
[73] VETTER PHARMA-FERTIGUNG GMBH & CO. KG,
[85] 2015-09-10
[86] 2014-03-04 (PCT/EP2014/054142)
[87] (WO2014/139832)
[30] DE (10 2013 204 134.9) 2013-03-11

[11] **2,905,541**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 9/24 (2006.01) A61K 9/52 (2006.01) A61K 9/70 (2006.01) A61K 31/4178 (2006.01) A61K 31/485 (2006.01) A61K 31/5415 (2006.01) A61P 1/08 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING AN ANTIEMETIC AND AN OPIOID ANALGESIC**
[54] **COMPOSITIONS PHARMACEUTIQUES RENFERMANT UN ANTIEMETIQUE ET UN ANALGESIQUE OPIOIDE**
[72] BOSSE, PAUL, US
[72] AMELING, JOHN, US
[72] SCHACHTEL, BERNARD, US
[72] TAKIGIKU, RAY, US
[73] CHARLESTON LABORATORIES, INC.,
[86] (2905541)
[87] (2905541)
[22] 2009-01-09
[62] 2,749,273
[30] US (61/020,139) 2008-01-09
[30] US (61/043,037) 2008-04-07
[30] US (61/060,758) 2008-06-11

[11] **2,906,159**
[13] C
[51] **Int.Cl. C02F 11/18 (2006.01) C02F 1/02 (2006.01) C02F 11/04 (2006.01)**
[25] EN
[54] **PROCESS AND DEVICE FOR CONTINUOUS THERMAL HYDROLYSIS**
[54] **PROCEDE ET DISPOSITIF D'HYDROLYSE THERMIQUE EN CONTINU**
[72] CRAMPON, CEDRIC, FR
[72] DJAFER, MALIK, FR
[72] CHAUZY, JULIEN, FR
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT,
[85] 2015-09-14
[86] 2014-03-06 (PCT/EP2014/054388)
[87] (WO2014/154466)
[30] FR (1352686) 2013-03-25

[11] **2,910,927**
[13] C
[51] **Int.Cl. B68C 1/02 (2006.01) B68C 1/04 (2006.01)**
[25] EN
[54] **MODULAR SADDLE TREE WITH A GULLET PLATE**
[54] **ARCON MODULAIRE MUNI D'UNE ARCADE**
[72] HENNIG, JOCHEN, DE
[73] HENNIG, JOCHEN,
[85] 2015-10-29
[86] 2014-05-29 (PCT/EP2014/061211)
[87] (WO2014/191538)
[30] DE (10 2013 105 569.9) 2013-05-29

[11] **2,910,962**
[13] C
[51] **Int.Cl. F41A 9/36 (2006.01) F41A 3/60 (2006.01) F41F 1/10 (2006.01)**
[25] EN
[54] **MINIGUN WITH IMPROVED ACCESS DOOR**
[54] **MITRAILLEUSE A PORTE D'ACCES PERFECTIONNEE**
[72] ROWE, THOMAS, US
[72] O'DONNELL, ARTHUR, US
[73] PROFENSE, LLC,
[85] 2015-10-29
[86] 2014-06-03 (PCT/US2014/040767)
[87] (WO2015/030892)
[30] US (61/830,547) 2013-06-03

[11] **2,910,970**
[13] C
[51] **Int.Cl. F41A 13/10 (2006.01) F41A 9/36 (2006.01) F41A 21/48 (2006.01) F41F 1/10 (2006.01)**
[25] EN
[54] **MINIGUN WITH IMPROVED BARREL CLAMP**
[54] **MINIGUN A DISPOSITIF DE SERRAGE DE CANON PERFECTIONNE**
[72] ROWE, THOMAS, US
[72] O'DONNELL, ARTHUR, US
[73] PROFENSE, LLC,
[85] 2015-10-29
[86] 2014-06-03 (PCT/US2014/040626)
[87] (WO2015/017022)
[30] US (61/830,553) 2013-06-03

[11] **2,910,973**
[13] C
[51] **Int.Cl. F41A 9/36 (2006.01) F41F 1/10 (2006.01)**
[25] EN
[54] **MINIGUN WITH IMPROVED FEEDER SPROCKET AND SHAFT**
[54] **MITRAILLEUSE MINIGUN A PIGNON ET ARBRE DE DISPOSITIF D'ALIMENTATION AMELIORES**
[72] ROWE, THOMAS, US
[72] O'DONNELL, ARTHUR, US
[73] PROFENSE, LLC,
[85] 2015-10-29
[86] 2014-06-03 (PCT/US2014/040709)
[87] (WO2015/026419)
[30] US (61/830,551) 2013-06-03
[30] US (61/830,568) 2013-06-03

[11] **2,911,130**
[13] C
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01) A01C 7/18 (2006.01)**
[25] EN
[54] **SELECTIVE FAN SHAPED MATERIAL DISTRIBUTOR**
[54] **DISTRIBUTEUR SELECTIF DE MATERIAU EN FORME D'EVENTAIL**
[72] HENRY, JAMES W., CA
[72] GERVAIS, JOEL, CA
[72] CROOYMANS, BRENNAN, CA
[72] COTE, JOSHUA, CA
[72] DENIS, JOEL, CA
[72] SCHUBA, JONATHAN, CA
[73] CNH INDUSTRIAL CANADA, LTD.,
[86] (2911130)
[87] (2911130)
[22] 2015-11-04
[30] US (62/086,889) 2014-12-03

[11] **2,911,274**
[13] C
[51] **Int.Cl. H02K 16/02 (2006.01) H02K 19/06 (2006.01)**
[25] EN
[54] **DOUBLE-ROTOR SWITCHED RELUCTANCE MACHINE WITH SEGMENTED ROTORS**
[54] **MACHINE A RELUCTANCE COMMUTEE A DOUBLE ROTOR DOTEE DE ROTORS SEGMENTES**
[72] GUO, TENG, CA
[72] SCHOFIELD, NIGEL, CA
[72] EMADI, ALI, CA
[73] ENEDYM INC.,
[86] (2911274)
[87] (2911274)
[22] 2015-11-03
[30] US (14/918,800) 2015-10-21

[11] **2,912,686**
[13] C
[51] **Int.Cl. F16F 7/104 (2006.01) F16F 15/12 (2006.01)**
[25] EN
[54] **VISCOELASTIC DAMPENER**
[54] **AMORTISSEUR VISCOELASTIQUE**
[72] ARGENTO, ALAN, US
[72] KIM, WONSUK, US
[72] NODELMAN, NEIL, US
[72] GLOVER, IV, LOUIS CARLISLE, US
[73] THE REGENTS OF THE UNIVERSITY OF MICHIGAN,
[85] 2015-11-13
[86] 2014-05-16 (PCT/US2014/038332)
[87] (WO2014/186664)
[30] US (61/824,000) 2013-05-16
[30] US (14/278,260) 2014-05-15

[11] **2,914,261**
[13] C
[51] **Int.Cl. A61K 31/198 (2006.01) A61K 31/47 (2006.01) A61P 19/04 (2006.01)**
[25] EN
[54] **ANTI-FIBROGENIC COMPOUNDS, METHODS AND USES THEREOF**
[54] **COMPOSES ANTIFIBROSANTS, METHODES ET UTILISATIONS ASSOCIEES**
[72] GHAHARY, AZIZ, CA
[72] LI, YUNYUAN, CA
[72] KILANI, RUHANGIZ T., CA
[72] HARTWELL, RYAN, CA
[73] THE UNIVERSITY OF BRITISH COLUMBIA,
[85] 2015-12-02
[86] 2014-06-04 (PCT/CA2014/000484)
[87] (WO2014/194407)
[30] US (61/831,404) 2013-06-05

[11] **2,916,613**
[13] C
[51] **Int.Cl. B01D 61/46 (2006.01) B01D 61/50 (2006.01) B01D 61/54 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR OSMOTIC FLOW CONTROL IN ELECTRODIALYSIS SYSTEMS**
[54] **PROCEDE ET APPAREIL POUR LA REGULATION DU FLUX OSMOTIQUE DANS DES SYSTEMES D'ELECTRODIALYSE**
[72] YAZDANBOD, AZAROGHLY, CA
[73] IONIC SOLUTIONS LTD.,
[85] 2015-12-22
[86] 2014-06-25 (PCT/US2014/044051)
[87] (WO2014/210126)
[30] US (61/838,983) 2013-06-25
[30] US (14/314,330) 2014-06-25

[11] **2,918,659**
[13] C
[51] **Int.Cl. G01B 21/16 (2006.01) A63D 5/04 (2006.01) G01B 11/14 (2006.01)**
[25] EN
[54] **POSITIONING APPARATUS AND METHOD FOR DISTANCE MEASUREMENT**
[54] **APPAREIL ET PROCEDE DE POSITIONNEMENT POUR MESURER UNE DISTANCE**
[72] DASCANIO, GUSTAVO A., US
[73] DASCANIO, GUSTAVO A.,
[85] 2016-01-18
[86] 2014-07-17 (PCT/US2014/046959)
[87] (WO2015/009894)
[30] US (13/946,957) 2013-07-19

[11] **2,918,917**
[13] C
[51] **Int.Cl. F03D 1/06 (2006.01) F03D 80/00 (2016.01) B64C 3/36 (2006.01) B64C 21/10 (2006.01) B64C 23/06 (2006.01) F15D 1/10 (2006.01)**
[25] EN
[54] **VORTEX GENERATOR FOR A ROTOR BLADE**
[54] **GENERATEUR DE TOURBILLON POUR PALE DE ROTOR**
[72] TOBIN, JAMES ROBERT, US
[72] HERR, STEFAN, US
[72] RIDDELL, SCOTT GABELL, US
[72] BOOTH, MICHAEL CHRISTOPHER, US
[73] GENERAL ELECTRIC COMPANY,
[86] (2918917)
[87] (2918917)
[22] 2016-01-21
[30] US (14/610,041) 2015-01-30

[11] **2,919,129**
[13] C
[51] **Int.Cl. A01H 1/00 (2006.01)**
[25] EN
[54] **CYTOPLASMIC MALE STERILE CICHORIUM PLANTS**
[54] **PLANTS DE CICHORIUM A STERILITE MALE CYTOPLASMIQUE**
[72] DE JONG, ELIZABETH ROSALIEN, NL
[72] HAARSMA, ADRIANA DORIEN, NL
[72] VAN CAPPELLEN, WITTE, NL
[72] GLAS, CORNELIS, NL
[72] ZUTT, NICOLAAS ANTHONIUS, NL
[72] SCHRIJVER, ALBERTUS JOHANNES MARIA, NL
[73] BEJO ZADEN B.V.,
[85] 2016-01-22
[86] 2013-08-14 (PCT/EP2013/067014)
[87] (WO2015/022023)

[11] **2,920,580**
[13] C
[51] **Int.Cl. B23C 3/35 (2006.01) B23P 15/00 (2006.01) B23Q 3/00 (2006.01) E05B 19/00 (2006.01) G06K 9/00 (2006.01) G07F 11/70 (2006.01)**
[25] EN
[54] **FABRICATION SYSTEM FOR KEY MAKING MACHINE**
[54] **SYSTEME DE FABRICATION POUR MACHINE DE CREATION DE CLES**
[72] GERLINGS, PHILLIP, US
[73] THE HILLMAN GROUP, INC.,
[85] 2016-02-05
[86] 2014-08-05 (PCT/US2014/049740)
[87] (WO2015/023472)
[30] US (61/866,603) 2013-08-16
[30] US (61/904,810) 2013-11-15
[30] US (14/263,551) 2014-04-28

[11] **2,922,678**
[13] C
[51] **Int.Cl. B65G 15/52 (2006.01) B65G 17/06 (2006.01)**
[25] EN
[54] **SORTER SLAT ATTACHMENT**
[54] **ATTACHEMENT DE LAME DE DISPOSITIF DE TRI**
[72] TRIESENBERG, THOMAS H., US
[72] DEVRIES, JEFFREY S., US
[72] SCHUITEMA, DENNIS J., US
[73] DEMATIC CORP.,
[86] (2922678)
[87] (2922678)
[22] 2012-12-11
[62] 2,858,124
[30] US (61/579,720) 2011-12-23

[11] **2,924,155**
[13] C
[51] **Int.Cl. C07K 16/12 (2006.01) A61K 39/40 (2006.01) A61P 31/04 (2006.01) C12N 5/16 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **HIGH AFFINITY ANTIBODIES THAT NEUTRALIZE STAPHYLOCOCCUS ENTEROTOXIN B**
[54] **ANTICORPS A HAUTE AFFINITE NEUTRALISANT L'ENTEROTOXINE STAPHYLOCOCCIQUE**
[72] SASS, PHILIP M., US
[72] NICOLAIDES, NICHOLAS C., US
[72] GRASSO, LUIGI, US
[72] BERGER, MARC, US
[72] SAI, TAO, US
[73] EISAI, INC.,
[86] (2924155)
[87] (2924155)
[22] 2008-01-03
[62] 2,674,382
[30] US (60/883,271) 2007-01-03
[30] US (60/888,405) 2007-02-06

[11] **2,926,356**
[13] C
[51] **Int.Cl. C30B 7/14 (2006.01) C01B 7/03 (2006.01) C01F 11/46 (2006.01) C22B 3/44 (2006.01) C22B 26/20 (2006.01)**
[25] EN
[54] **PRODUCTION OF HIGH STRENGTH HYDROCHLORIC ACID FROM CALCIUM CHLORIDE FEED STREAMS BY CRYSTALLIZATION**
[54] **PRODUCTION D'ACIDE HYDROCHLORIQUE A CONCENTRATION ELEVEE A PARTIR DE FLUX D'ALIMENTATION DE CHLORURE DE CALCIUM PAR CRISTALLISATION**
[72] DEMOPOULOS, GEORGE, CA
[72] FELDMANN, THOMAS, CA
[73] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSIT,
[86] (2926356)
[87] (2926356)
[22] 2016-04-06

[11] **2,926,705**
[13] C
[51] **Int.Cl. G01B 11/00 (2006.01) G01C 9/00 (2006.01) G01S 7/481 (2006.01) G01S 7/497 (2006.01) G12B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CAMERA BASED POSITION AND ORIENTATION MEASUREMENT**
[54] **SYSTEME ET PROCEDE PERMETTANT LA MESURE D'UNE POSITION ET D'UNE ORIENTATION SUR LA BASE DE CAMERAS**
[72] MONTGOMERY, PAUL YALDEN, US
[72] WINTER, ANDREAS, AT
[72] CRAMER, TILL, CH
[73] HILTI AKTIENGESELLSCHAFT,
[85] 2016-04-06
[86] 2014-10-07 (PCT/US2014/059418)
[87] (WO2015/054194)
[30] US (14/049,607) 2013-10-09

[11] **2,926,711**
[13] C
[51] **Int.Cl. C11D 7/06 (2006.01) C11D 7/22 (2006.01)**
[25] EN
[54] **ALKALINE DETERGENT COMPOSITION CONTAINING A CARBOXYLIC ACID/POLYALKYLENE OXIDE COPOLYMER FOR HARD WATER SCALE CONTROL**
[54] **COMPOSITION DETERGENTE ALCALINE CONTENANT UN COPOLYMERE ACIDE CARBOXYLIQUE/POLYALKYLENE OXYDE POUR L'ELIMINATION DE DEPOTS D'EAU DURE**
[72] SILVERNAIL, CARTER M., US
[72] OLSON, ERIK C., US
[72] WALTERS, KERRIE, US
[72] DETERING, JUERGEN, DE
[72] KINGMA, AREND JOUKE, DE
[72] DAILEY, JAMES S., US
[73] ECOLAB USA INC.,
[85] 2016-04-06
[86] 2014-10-09 (PCT/US2014/059859)
[87] (WO2015/054471)
[30] US (14/049,883) 2013-10-09

[11] **2,926,962**
[13] C
[51] **Int.Cl. B64C 1/06 (2006.01) B64C 7/00 (2006.01)**
[25] EN
[54] **APPARATUSES AND METHODS FOR MAKING REINFORCEMENT STRUCTURES**
[54] **MECANISMES ET METHODES DESTINES A PRODUIRE DES STRUCTURES DE RENFORT**
[72] AUTRY, BRENDEN, US
[72] AITKEN, CHARLES, US
[72] MCGUIRE, JOHN, US
[72] MCKEE, MICHAEL, US
[73] GULFSTREAM AEROSPACE CORPORATION,
[86] (2926962)
[87] (2926962)
[22] 2016-04-13
[30] US (62/159,459) 2015-05-11
[30] US (14/824,290) 2015-08-12

[11] **2,930,414**
[13] C
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4709 (2006.01) A61P 15/16 (2006.01) C07D 215/20 (2006.01) C07D 401/02 (2006.01) C07D 405/14 (2006.01) C07D 417/10 (2006.01)**
[25] EN
[54] **TETRAHYDROQUINOLINE COMPOSITIONS AS BET BROMODOMAIN INHIBITORS**
[54] **COMPOSITIONS DE TETRAHYDROQUINOLINE UTILISEES COMME INHIBITEURS DE PROTEINES A BROMODOMAINE ET DOMAINE EXTRATERMINAL (BET)**
[72] BAIR, KENNETH W., US
[72] HERBERTZ, TORSTEN, US
[72] KAUFFMAN, GOSS STRYKER, US
[72] KAYSER-BRICKER, KATHERINE J., US
[72] LUKE, GEORGE P., US
[72] MARTIN, MATTHEW W., US
[72] MILLAN, DAVID S., US
[72] SCHILLER, SHAWN E. R., US
[72] TALBOT, ADAM C., US
[73] FORMA THERAPEUTICS, INC.,
[85] 2016-05-11
[86] 2014-11-18 (PCT/US2014/066198)
[87] (WO2015/074064)
[30] US (61/905,639) 2013-11-18
[30] US (62/054,811) 2014-09-24

[11] **2,932,177**
[13] C
[51] **Int.Cl. E04B 2/96 (2006.01) E04B 2/88 (2006.01)**
[25] EN
[54] **BUILDING FACADE SYSTEM**
[54] **SYSTEME DE FACADE DE BATIMENT**
[72] LEVAN, KURTIS E., US
[73] TALON WALL HOLDINGS LLC,
[86] (2932177)
[87] (2932177)
[22] 2016-06-06
[30] US (62/302,894) 2016-03-03
[30] US (15/082,071) 2016-03-28

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[11] **2,933,831**
[13] C
[51] **Int.Cl. H01B 5/10 (2006.01) D07B 1/06 (2006.01)**
[25] EN
[54] **COMPOSITE TWISTED WIRE**
[54] **FIL TORSADE COMPOSITE**
[72] KAMOSHIDA, SHINICHI, JP
[72] MIONO, TADAAKI, JP
[72] HATTORI, YASUNORI, JP
[73] NIPPON STEEL NISSHIN CO., LTD.,
[85] 2016-06-14
[86] 2014-12-16 (PCT/JP2014/083211)
[87] (WO2015/093460)
[30] JP (2013-260697) 2013-12-17
[30] JP (2014-070616) 2014-03-28

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[11] **2,934,056**
[13] C
[51] **Int.Cl. H04L 12/12 (2006.01) G06F 21/57 (2013.01) H04L 7/00 (2006.01)**
[25] EN
[54] **A METHOD FOR PURPOSES OF MAKING A "ZERO KNOWLEDGE" CONNECTION BETWEEN AN ELECTRONIC UNIT AND A COMPUTER**
[54] **UNE METHODE SERVANT A ETABLIR UNE CONNEXION « ZERO CONNAISSANCE » ENTRE UN MODULE ELECTRONIQUE ET UN ORDINATEUR**
[72] KEYSER, YORK, AT
[73] SKIDATA AG,
[86] (2934056)
[87] (2934056)
[22] 2016-06-27
[30] EP (15174558.5) 2015-06-30

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[11] **2,935,376**
[13] C
[51] **Int.Cl. A63H 5/00 (2006.01) A01K 29/00 (2006.01) A63B 39/00 (2006.01) A63B 43/00 (2006.01) A63B 69/40 (2006.01) A63H 33/18 (2006.01) G10K 5/00 (2006.01)**
[25] EN
[54] **WHISTLE BALL**
[54] **BALLON SIFFLANT**
[72] OBLACK, MARK J., US
[72] BAGLEY, JUSTIN A., US
[72] KENT, JOSEPH W., US
[72] BURGER, KYLE D., US
[73] DOSKOCIL MANUFACTURING COMPANY, INC.,
[86] (2935376)
[87] (2935376)
[22] 2009-12-22
[62] 2,688,970
[30] US (12/370,445) 2009-02-12

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[11] **2,936,052**
[13] C
[51] **Int.Cl. A61K 51/12 (2006.01) A61B 5/07 (2006.01)**
[25] EN
[54] **RADIATION SOURCE FOR INTRA-LUMEN IMAGING CAPSULE**
[54] **SOURCE DE RADIATION POUR CAPSULE D'IMAGERIE INTRALUMINALE**
[72] KIMCHY, YOAV, IL
[72] HASOON, SALAH, IL
[73] CHECK-CAP LTD.,
[85] 2016-07-06
[86] 2014-04-08 (PCT/IL2014/050340)
[87] (WO2015/118520)
[30] US (61/935,859) 2014-02-05

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[11] **2,936,209**
[13] C
[51] **Int.Cl. C07C 237/08 (2006.01) A61K 31/165 (2006.01) A61P 25/00 (2006.01) A61P 25/02 (2006.01) A61P 25/06 (2006.01) A61P 29/00 (2006.01) C07C 231/12 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF 2-[4-(3- OR 2-FLUOROBENZYLOXY)BENZYLAMINO]PROPANAMIDES WITH HIGH PURITY DEGREE**
[54] **PROCEDES DE PRODUCTION DE 2-[4-(3- OR 2-FLUOROBENZYLOXY)BENZYLAMINO]PROPANAMIDES A HAUT DEGRE DE PURETE**
[72] BARBANTI, ELENA, IT
[72] FARAVELLI, LAURA, IT
[72] SALVATI, PATRICIA, IT
[72] CANEVOTTI, RENATO, IT
[72] PONZINI, FRANCESCO, IT
[73] NEWRON PHARMACEUTICALS S.P.A.,
[86] (2936209)
[87] (2936209)
[22] 2008-12-01
[62] 2,706,789
[30] EP (07023937.1) 2007-12-11

---

[11] **2,941,188**
[13] C
[51] **Int.Cl. B44F 9/04 (2006.01)**
[25] EN
[54] **MATERIAL AND METHOD FOR AN ARTIFICIAL ROCK**
[54] **MATERIAU ET METHODE DESTINES A UNE ROCHE ARTIFICIELLE**
[72] ABOU ARBID, SILIA, CA
[73] ABOU ARBID, SILIA,
[86] (2941188)
[87] (2941188)
[22] 2016-09-07
[30] US (62/215,351) 2015-09-08

[11] **2,943,993**
[13] C
[51] **Int.Cl. G08B 19/00 (2006.01) H04W 52/02 (2009.01) H04W 80/02 (2009.01) G08B 17/10 (2006.01) G08B 21/14 (2006.01)**
[25] EN
[54] **BIFURCATED PROCESSOR HAZARD DETECTION SYSTEMS**
[54] **SYSTEMES DE DETECTION DE DANGER A PROCESSEUR BIFURQUE**
[72] SMITH, IAN C., US
[72] WARREN, DANIEL ADAM, US
[72] MULLINS, SCOTT, US
[72] CONNER, BRIAN JONATHAN, US
[73] GOOGLE LLC,
[86] (2943993)
[87] (2943993)
[22] 2014-07-17
[62] 2,918,662
[30] US (61/847,916) 2013-07-18
[30] US (61/847,905) 2013-07-18

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[11] **2,944,050**
[13] C
[51] **Int.Cl. B61F 5/38 (2006.01) A63G 7/00 (2006.01) A63G 21/00 (2006.01)**
[25] EN
[54] **CAR WITH ROTATABLY MOUNTED WHEEL AXLE FOR A FAIRGROUND RIDE AND METHOD FOR CONTROLLING A ROTATABLY MOUNTED WHEEL AXLE OF SUCH A CAR**
[54] **VOITURE POUR MANEGE COMPORTANT UN ESSIEU MONTE A DE FACON ROTATIVE ET PROCEDE DE COMMANDE D'UN ESSIEU D'UNE TELLE VOITURE MONTE DE FACON ROTATIVE**
[72] KRAUS, MICHAEL, DE
[73] MACK RIDES GMBH & CO. KG,
[85] 2016-09-27
[86] 2015-03-24 (PCT/EP2015/056312)
[87] (WO2015/150172)
[30] DE (10 2014 104 636.6) 2014-04-02

---

[11] **2,946,147**
[13] C
[51] **Int.Cl. G01V 3/30 (2006.01) E21B 47/01 (2012.01)**
[25] EN
[54] **PLUG FOR DOWNHOLE LOGGING TOOL**
[54] **BOUCHON POUR OUTIL DE DIAGRAPHIE DE FOND DE PUITS**
[72] WHIDDON, RICHARD MURRAY, US
[73] SCIENTIFIC DRILLING INTERNATIONAL, INC.,
[85] 2016-10-17
[86] 2015-04-29 (PCT/US2015/028324)
[87] (WO2015/168307)
[30] US (61/987,203) 2014-05-01
[30] US (14/699,862) 2015-04-29

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[11] **2,946,190**
[13] C
[51] **Int.Cl. H04W 52/10 (2009.01) H04W 84/10 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATICALLY ACTIVATING WIRELESS NETWORKS**
[54] **SYSTEMES ET METHODES D'ACTIVATION AUTOMATIQUE DE RESEAUX SANS FIL**
[72] HANCHETT, MARK A., US
[72] CONANT, TYLER J., US
[72] HUANG, ANTHONY G., US
[72] SHEKARRI, NACHE D., US
[72] WOMACK, MARCUS W. L., US
[72] REITZ, JAMES N., US
[73] AXON ENTERPRISE, INC.,
[86] (2946190)
[87] (2946190)
[22] 2016-10-21
[30] US (62/350,904) 2016-06-16

---

[11] **2,947,956**
[13] C
[51] **Int.Cl. D21H 19/18 (2006.01)**
[25] EN
[54] **METHOD OF MAKING A PAPER AND PAPERBOARD AND THE PAPER AND PAPERBOARD THEREOF**
[54] **PROCEDE DE FABRICATION DE PAPIER ET DE CARTON ET PAPIER ET CARTON AINSI FABRIQUES**
[72] BRUNGARDT, CLEMENT L., US
[73] SOLENIS TECHNOLOGIES CAYMAN, L.P.,
[86] (2947956)
[87] (2947956)
[22] 2013-10-23
[62] 2,888,476
[30] US (61/723,960) 2012-11-08

---

[11] **2,950,219**
[13] C
[51] **Int.Cl. E04G 17/04 (2006.01) E04G 11/06 (2006.01) E04G 11/08 (2006.01)**
[25] EN
[54] **CONCRETE FORMWORK STEEL STUD AND SYSTEM**
[54] **MONTANT D'ACIER DE COFFRAGE DE BETON ET SYSTEME**
[72] STRICKLAND, MICHAEL R., CA
[73] ISPAN SYSTEMS LP,
[86] (2950219)
[87] (2950219)
[22] 2016-12-01
[30] US (62/334,974) 2016-05-11

[11] **2,951,316**
[13] C
[51] **Int.Cl. G08C 17/02 (2006.01) H04W 56/00 (2009.01) A63B 71/06 (2006.01) G01S 13/60 (2006.01) G07C 1/22 (2006.01) H04B 1/59 (2006.01) H04W 52/02 (2009.01) G01P 5/14 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MEASUREMENT OF THE SPEED OF A COMPETITOR ON A RACE COURSE**
[54] **METHODE ET SYSTEME DE MESURE DE LA VITESSE D'UN COMPETITEUR SUR UNE PISTE DE COURSE**
[72] MASSE, FABIEN, CH
[72] GALLI, RETO, CH
[73] SWISS TIMING LTD.,
[86] (2951316)
[87] (2951316)
[22] 2016-12-09
[30] EP (16153402.9) 2016-01-29

---

[11] **2,951,780**
[13] C
[51] **Int.Cl. C12N 15/62 (2006.01) A01K 67/027 (2006.01) C07K 14/47 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 9/12 (2006.01) C12N 15/12 (2006.01) C12N 15/54 (2006.01) C12N 15/63 (2006.01) C12N 15/65 (2006.01) C12Q 1/00 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **CALCIUM REPORTER GENE**
[54] **GENE RAPPORTEUR DE CALCIUM**
[72] BITO, HARUHIKO, JP
[72] INOUE, MASATOSHI, JP
[72] TAKEUCHI, ATSUYA, JP
[72] NAKAI, JUNICHI, JP
[72] OHKURA, MASAMICHI, JP
[73] JAPAN SCIENCE AND TECHNOLOGY AGENCY,
[85] 2016-12-09
[86] 2015-06-08 (PCT/JP2015/002869)
[87] (WO2015/190083)
[30] JP (2014-120828) 2014-06-11

---

[11] **2,953,105**
[13] C
[51] **Int.Cl. A47L 5/28 (2006.01) A47L 5/32 (2006.01) A47L 9/32 (2006.01)**
[25] EN
[54] **SURFACE CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DE SURFACES**
[72] CONRAD, WAYNE ERNEST, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC.,
[86] (2953105)
[87] (2953105)
[22] 2009-07-30
[62] 2,674,758

---

[11] **2,955,143**
[13] C
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/53 (2006.01) A61P 19/04 (2006.01)**
[25] EN
[54] **THE USE OF SGC STIMULATORS, SGC ACTIVATORS, ALONE AND COMBINATIONS WITH PDE5 INHIBITORS FOR THE TREATMENT OF SYSTEMIC SCLEROSIS (SSC).**
[54] **UTILISATION DE STIMULATEURS DE LA SGC, D'ACTIVATEURS DE LA SGC, SEULS ET EN ASSOCIATION AVEC DES INHIBITEURS DE LA PDE5 EN VUE DU TRAITEMENT DE LA SCLERODERMIE.**
[72] HIRTH-DIETRICH, CLAUDIA, DE
[72] SANDNER, PETER, DE
[72] STASCH, JOHANNES-PETER, DE
[72] KNORR, ANDREAS, DE
[72] VON DEGENFELD, GEORGES, DE
[72] HAHN, MICHAEL, DE
[72] FOLLMANN, MARKUS, DE
[73] ADVERIO PHARMA GMBH,
[86] (2955143)
[87] (2955143)
[22] 2011-05-24
[62] 2,800,709
[30] DE (10 2010 021 637.2) 2010-05-26
[30] EP (10170413.8) 2010-07-22

---

[11] **2,956,633**
[13] C
[51] **Int.Cl. C01G 21/16 (2006.01) C01G 21/00 (2006.01) C01G 23/04 (2006.01) H01L 31/0256 (2006.01) H01L 31/04 (2014.01) H01L 31/18 (2006.01) H01L 49/02 (2006.01) C09D 11/00 (2014.01)**
[25] EN
[54] **METHOD OF FORMULATING PEROVSKITE SOLAR CELL MATERIALS**
[54] **PROCEDE DE FORMULATION DE MATERIAUX DE CELLULE SOLAIRE A BASE DE PEROVSKITE**
[72] IRWIN, MICHAEL D., US
[72] CHUTE, JERRED A., US
[72] DHAS, VIVEK V., US
[73] HEE SOLAR, L.L.C.,
[85] 2017-01-27
[86] 2015-07-30 (PCT/US2015/042864)
[87] (WO2016/019124)
[30] US (62/032,137) 2014-08-01
[30] US (14/711,330) 2015-05-13

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[11] **2,957,309**
[13] C
[51] **Int.Cl. A61B 17/06 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **REUSABLE DELIVERY DEVICES**
[54] **DISPOSITIFS D'ADMINISTRATION REUTILISABLE**
[72] RAO, DOREEN S., US
[72] GODDARD, JAMES M., US
[72] SAHADEVAN, JOSHIN, US
[72] CHIKKARAJU, GURURAJU, US
[72] CHU, MICHAEL S.H., US
[72] ADAMS, KENNETH W., US
[73] BOSTON SCIENTIFIC SCIMED, INC.,
[85] 2017-02-03
[86] 2015-08-05 (PCT/US2015/043762)
[87] (WO2016/022649)
[30] US (62/033,876) 2014-08-06
[30] US (14/817,753) 2015-08-04

[11] **2,959,090**
[13] C
[51] **Int.Cl. G10L 19/008 (2013.01) G10L 25/93 (2013.01)**
[25] EN
[54] **A SIGNAL PROCESSING APPARATUS FOR ENHANCING A VOICE COMPONENT WITHIN A MULTI-CHANNEL AUDIO SIGNAL**
[54] **APPAREIL DE TRAITEMENT DE SIGNAUX PERMETTANT D'AMELIORER UNE COMPOSANTE VOCALE DANS UN SIGNAL AUDIO MULTICANAL**
[72] GEIGER, JURGEN, DE
[72] GROSCHE, PETER, DE
[73] HUAWEI TECHNOLOGIES CO., LTD.,
[85] 2017-02-23
[86] 2014-12-12 (PCT/EP2014/077620)
[87] (WO2016/091332)

---

[11] **2,960,170**
[13] C
[51] **Int.Cl. H01M 8/04664 (2016.01) H01M 8/04089 (2016.01) H01M 8/0438 (2016.01) B60L 50/70 (2019.01) B60K 15/07 (2006.01) B60S 5/00 (2006.01)**
[25] EN
[54] **METHOD OF INSPECTING A FUEL CELL SYSTEM, AND THE FUEL CELL SYSTEM**
[54] **METHODE D'INSPECTION D'UN SYSTEME DE PILE A COMBUSTIBLE, ET SYSTEME DE PILE A COMBUSTIBLE**
[72] HOSOI, MASAKI, JP
[72] OHARA, HIROKAZU, JP
[72] MATSUMOTO, YUJI, JP
[73] HONDA MOTOR CO., LTD.,
[86] (2960170)
[87] (2960170)
[22] 2017-03-08
[30] JP (2016-045123) 2016-03-09

---

[11] **2,961,780**
[13] C
[51] **Int.Cl. F21V 21/08 (2006.01) F21V 21/088 (2006.01)**
[25] EN
[54] **MOUNTING APPARATUS FOR LIGHT SOCKET**
[54] **APPAREIL DE MONTAGE POUR DOUILLE DE LAMPE**
[72] DUFFY, ALLISON, CA
[72] LAGUARDIA, TONY, CA
[72] LYNAR, SHANNON, CA
[72] WOLF, ANTHONY, CA
[73] CANADIAN TIRE CORPORATION LIMITED,
[85] 2017-03-20
[86] 2014-09-29 (PCT/CA2014/050932)
[87] (WO2016/049731)

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[11] **2,963,156**
[13] C
[51] **Int.Cl. G06T 19/20 (2011.01) G06T 15/00 (2011.01) G06T 17/20 (2006.01)**
[25] EN
[54] **UPDATING DAMAGED-ENHANCED 3D POLYGON MESHES**
[54] **MISE A JOUR DE MAILLAGES POLYGONAUX 3D ENDOMMAGES-REHAUSSES**
[72] LAGACE, MICHEL, CA
[72] PICHE, PATRICK, CA
[73] CAE INC.,
[85] 2017-03-30
[86] 2014-09-30 (PCT/CA2014/000716)
[87] (WO2016/049728)
[30] US (14/501,157) 2014-09-30

---

[11] **2,963,390**
[13] C
[51] **Int.Cl. C07D 215/38 (2006.01) A61K 31/47 (2006.01) A61K 31/4709 (2006.01) A61K 31/4741 (2006.01) A61K 31/675 (2006.01) C07D 215/22 (2006.01) C07D 491/056 (2006.01) C07F 9/60 (2006.01) C07F 9/6561 (2006.01)**
[25] EN
[54] **SYNTHESIS AND ANTICANCER ACTIVITY OF ARYL AND HETEROARYL-QUINOLIN DERIVATIVES**
[54] **SYNTHESE ET ACTIVITE ANTICANCEREUSE DE DERIVES D'ARYL- ET D'HETEROARYL-QUINOLEINE**
[72] KUO, SHENG-CHU, CN
[72] LEE, KUO-HSIUNG, CN
[72] HUANG, LI-JIAU, CN
[72] CHOU, LI-CHEN, CN
[72] WU, TIAN-SHUNG, CN
[72] WAY, TZONG-DER, CN
[72] CHUNG, JING-GUNG, CN
[72] YANG, JAI-SING, CN
[72] HUANG, CHI-HUNG, CN
[72] TSAI, MENG-TUNG, CN
[73] TAIRX, INC.,
[86] (2963390)
[87] (2963390)
[22] 2011-07-14
[62] 2,805,590
[30] US (61/364,760) 2010-07-15

---

[11] **2,963,763**
[13] C
[51] **Int.Cl. G09B 21/00 (2006.01) A44C 1/00 (2006.01) A45F 5/02 (2006.01) A47G 25/00 (2006.01) G09F 3/02 (2006.01)**
[25] EN
[54] **BUTTONS, BEADS, AND REMOVABLE CLIPS BEARING BRAILLE INDICIA FOR FABRIC**
[54] **BOUTONS, PERLES ET PINCES AMOVIBLES PORTANT DES INDICES EN BRAILLE POUR TISSU**
[72] JOVANOVIC, ALEXA ROMA, CA
[73] JOVANOVIC, ALEXA ROMA,
[86] (2963763)
[87] (2963763)
[22] 2017-04-07
[30] US (62/319,562) 2016-04-07

[11] **2,965,651**
[13] C
[51] **Int.Cl. C04B 35/56 (2006.01) C04B 35/64 (2006.01)**
[25] EN
[54] **SINTERED CERAMIC BODIES AND APPLICATIONS THEREOF**
[54] **CORPS EN CERAMIQUE FRITTES ET APPLICATIONS CONNEXES**
[72] GOLDSMITH, JASON, US
[72] CHAO, SHENG, US
[73] KENNAMETAL INC.,
[86] (2965651)
[87] (2965651)
[22] 2017-04-28
[30] US (15/162,105) 2016-05-23

---

[11] **2,966,462**
[13] C
[51] **Int.Cl. E05C 19/00 (2006.01) E05C 1/00 (2006.01) E05C 7/00 (2006.01)**
[25] EN
[54] **THREE POINT LOCK FOR A FENESTRATION ASSEMBLY**
[54] **VERROU A TROIS POINTS DESTINE A UN ASSEMBLAGE DE FENESTRATION**
[72] BARTON, MICHAEL A., US
[72] DODGE, TRAVIS JAMES, US
[73] MILGARD MANUFACTURING INCORPORATED,
[86] (2966462)
[87] (2966462)
[22] 2017-05-10
[30] US (15/173,107) 2016-06-03

---

[11] **2,966,999**
[13] C
[51] **Int.Cl. E06B 9/68 (2006.01) A47H 5/02 (2006.01) E06B 9/322 (2006.01)**
[25] EN
[54] **DRIVE SYSTEM FOR WINDOW COVERING SYSTEM WITH CONTINUOUS CORD LOOP**
[54] **SYSTEME D'ENTRAINEMENT POUR SYSTEME DE COUVRE-FENETRE A BOUCLE DE CORDON CONTINU**
[72] PHAM, TRUNG DUC, CA
[72] CHENG, ALAN WING HOR, CA
[72] BISHARA, MARC RASHAD, CA
[73] AXIS LABS INC.,
[85] 2017-05-05
[86] 2015-11-04 (PCT/CA2015/051140)
[87] (WO2016/070279)
[30] CA (2870983) 2014-11-06
[30] US (62/166,484) 2015-05-26

---

[11] **2,970,301**
[13] C
[51] **Int.Cl. G06Q 20/38 (2012.01)**
[25] EN
[54] **IMPROVED NETWORK FOR ONBOARDING AND DELIVERY OF ELECTRONIC PAYMENTS TO PAYEES**
[54] **RESEAU AMELIORE DESTINE A L'EMBARQUEMENT ET LA LIVRAISON DE PAIEMENTS ELECTRONIQUES A DES BENEFICIAIRES**
[72] TRIBBLE, DEAN, US
[72] DOYLE, PAUL F., US
[72] TRACEY, TODD, US
[72] MATHIS, NICHOLAS SEAN, US
[73] TRIBBLE, DEAN,
[73] DOYLE, PAUL F.,
[73] TRACEY, TODD,
[73] MATHIS, NICHOLAS SEAN,
[86] (2970301)
[87] (2970301)
[22] 2017-06-09
[30] US (62/347,876) 2016-06-09

---

[11] **2,972,693**
[13] C
[51] **Int.Cl. G08B 1/08 (2006.01) G06Q 10/10 (2012.01)**
[25] EN
[54] **INTEGRATED WIRELESS ALERT SYSTEM**
[54] **SYSTEME D'ALARME SANS FIL INTEGRE**
[72] BYRNE, NORMAN R., US
[72] WARWICK, TIMOTHY J., US
[72] KLEM, ROBERT CRAIG, US
[73] BYRNE, NORMAN R.,
[86] (2972693)
[87] (2972693)
[22] 2017-07-07
[30] US (62/360261) 2016-07-08

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[11] **2,972,694**
[13] C
[51] **Int.Cl. C08F 299/00 (2006.01) A61K 47/58 (2017.01) A61K 47/32 (2006.01) C08G 81/00 (2006.01) C08G 81/02 (2006.01)**
[25] EN
[54] **DIBLOCK COPOLYMERS AND POLYNUCLEOTIDE COMPLEXES THEREOF FOR DELIVERY INTO CELLS**
[54] **COPOLYMERES DIBLOCS ET COMPLEXES POLYNUCLEOTIDIQUES POUR ADMINISTRATION DANS DES CELLULES**
[72] STAYTON, PATRICK S., US
[72] HOFFMAN, ALLAN S., US
[72] CONVERTINE, ANTHONY J., US
[72] BENOIT, DANIELLE, US
[72] DUVALL, CRAIG L., US
[72] JOHNSON, PAUL, US
[72] GALL, ANNA, US
[73] UNIVERSITY OF WASHINGTON,
[73] PHASERX, INC.,
[86] (2972694)
[87] (2972694)
[22] 2009-05-13
[62] 2,724,105
[30] US (61/052,908) 2008-05-13
[30] US (61/052,914) 2008-05-13
[30] US (61/091,294) 2008-08-22
[30] US (61/112,054) 2008-11-06
[30] US (61/112,048) 2008-11-06
[30] US (61/120,769) 2008-12-08
[30] US (61/140,779) 2008-12-24
[30] US (61/140,774) 2008-12-24
[30] US (61/171,377) 2009-04-21

[11] **2,972,906**
[13] C
[51] **Int.Cl. E21B 33/129 (2006.01) E21B 33/134 (2006.01)**
[25] EN
[54] **INSERTS HAVING GEOMETRICALLY SEPARATE MATERIALS FOR SLIPS ON DOWNHOLE TOOL**
[54] **PIECES RAPPORTEES POURVUES DE MATERIAUX SEPARES GEOMETRIQUEMENT POUR ENSEMBLES DE GLISSEMENT D'OUTIL DE FOND DE TROU**
[72] MHASKAR, NAUMAN H., US
[72] ROCHEN, JAMES A., US
[72] YOUNG, JONATHAN A., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC,
[86] (2972906)
[87] (2972906)
[22] 2015-06-17
[62] 2,894,749
[30] US (62/013835) 2014-06-18

[11] **2,973,975**
[13] C
[51] **Int.Cl. A61B 17/06 (2006.01) A61B 17/04 (2006.01) B26D 1/14 (2006.01) B26D 3/11 (2006.01)**
[25] EN
[54] **APPARATUS FOR FORMING BARBS ON A SUTURE**
[54] **APPAREIL POUR FORMER DES BARBES SUR UNE SUTURE**
[72] TRULL, MICHAEL, US
[72] GENOVA, PERRY A., US
[72] WILLIAMS, ROBERT C., III, US
[72] LEUNG, JEFFREY C., US
[72] MEGARO, MATTHEW A., US
[72] BATCHELOR, STANTON, US
[72] CORSON, ANDREW, US
[73] ETHICON, LLC,
[86] (2973975)
[87] (2973975)
[22] 2004-05-13
[62] 2,854,710
[30] US (10/437,144) 2003-05-13

[11] **2,974,826**
[13] C
[51] **Int.Cl. A62D 3/38 (2007.01) C01B 3/06 (2006.01) C01B 33/06 (2006.01) C09K 5/18 (2006.01)**
[25] EN
[54] **SILICIDE COMPOSITIONS CONTAINING ALKALI METALS AND METHODS OF MAKING THE SAME**
[54] **COMPOSITIONS DE SILICIURE CONTENANT DES METAUX ALCALINS ET LEURS METHODES DE FABRICATION**
[72] LEFENFELD, MICHAEL, US
[72] DYE, JAMES L., US
[73] SIGNA CHEMISTRY LLC,
[73] MICHIGAN STATE UNIVERSITY,
[86] (2974826)
[87] (2974826)
[22] 2005-06-14
[62] 2,842,549
[30] US (60/578,818) 2004-06-14
[30] US (60/667,693) 2005-04-04

[11] **2,975,117**
[13] C
[51] **Int.Cl. E01C 15/00 (2006.01) E01C 5/00 (2006.01) E01C 11/00 (2006.01)**
[25] EN
[54] **BEARING PAD**
[54] **COUSSIN DE PALIER**
[72] SZEKELY, KENNETH, CA
[73] ASTRA CAPITAL INCORPORATED,
[86] (2975117)
[87] (2975117)
[22] 2017-08-01
[30] US (62/370478) 2016-08-03

[11] **2,975,347**
[13] C
[51] **Int.Cl. B65B 57/04 (2006.01) B65B 11/02 (2006.01) B65B 11/04 (2006.01) B65B 11/58 (2006.01) B65B 57/12 (2006.01) B65B 57/18 (2006.01)**
[25] EN
[54] **GRAPHICAL DEPICTION OF WRAP PROFILE FOR LOAD WRAPPING APPARATUS**
[54] **REPRESENTATION GRAPHIQUE DE PROFIL D'EMBALLAGE POUR APPAREIL D'EMBALLAGE DE CHARGE**
[72] LANCASTER, PATRICK R., III, US
[72] MITCHELL, MICHAEL P., US
[73] LANTECH.COM, LLC,
[85] 2017-04-07
[86] 2015-10-07 (PCT/US2015/054566)
[87] (WO2016/057724)
[30] US (62/060,784) 2014-10-07
[30] US (62/072,161) 2014-10-29

[11] **2,976,244**
[13] C
[51] **Int.Cl. E03C 1/04 (2006.01) F16K 11/00 (2006.01) F16K 31/02 (2006.01) F16K 31/60 (2006.01) G05G 1/10 (2006.01)**
[25] EN
[54] **FAUCET HANDLE WITH ANGLED INTERFACE**
[54] **POIGNEE DE ROBINET PRESENTANT UNE INTERFACE INCLINEE**
[72] DAVIDSON, KYLE, US
[72] THOMAS, KURT J., US
[72] BROWN, DEREK A., US
[72] SHAW, RYAN J., US
[73] DELTA FAUCET COMPANY,
[86] (2976244)
[87] (2976244)
[22] 2012-02-29
[62] 2,914,334
[30] US (13/182,430) 2011-07-13

[11] **2,977,771**
[13] C
[51] **Int.Cl. G01S 13/95 (2006.01)**
[25] EN
[54] **ITERATIVE RAY-TRACING FOR AUTOSCALING OF OBLIQUE IONOGRAMS**
[54] **LANCER DE RAYON ITERATIF POUR MISE A L'ECHELLE AUTOMATIQUE D'IONOGRAMMES OBLIQUES**
[72] CROWLEY, GEOFFREY, US
[72] DULY, TIMOTHY M., US
[72] WINKLER, CLIVE, US
[72] AZEEM, SYED IRFAN, US
[73] ATMOSPHERIC & SPACE TECHNOLOGY RESEARCH ASSOCIATES, LLC,
[85] 2017-08-24
[86] 2016-02-25 (PCT/US2016/019570)
[87] (WO2016/138268)
[30] US (62/120,854) 2015-02-25

---

[11] **2,977,842**
[13] C
[51] **Int.Cl. H01Q 3/46 (2006.01) H01Q 1/22 (2006.01) H01Q 3/16 (2006.01) H01Q 3/24 (2006.01) H01Q 15/14 (2006.01) H01Q 19/10 (2006.01)**
[25] EN
[54] **INTEGRATED TRANSCEIVER WITH FOCUSING ANTENNA**
[54] **EMETTEUR-RECEPTEUR INTEGRE A ANTENNE DE FOCALISATION**
[72] WEILER, RICHARD JURGEN, DE
[72] KEUSGEN, WILHELM, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,
[85] 2017-08-23
[86] 2015-02-24 (PCT/EP2015/053817)
[87] (WO2016/134751)

---

[11] **2,978,875**
[13] C
[51] **Int.Cl. H04L 25/02 (2006.01) H04W 24/00 (2009.01) H04B 7/04 (2017.01) H04L 27/26 (2006.01)**
[25] EN
[54] **EFFICIENT CHANNEL ESTIMATION USING GOLAY SEQUENCES**
[54] **ESTIMATION EFFICIENTE DE CANAUX A L'AIDE DE SUITES DE GOLAY**
[72] SANDEROVICH, AMICHAI, US
[73] QUALCOMM INCORPORATED,
[85] 2017-09-06
[86] 2016-03-02 (PCT/US2016/020358)
[87] (WO2016/167891)
[30] US (62/149,111) 2015-04-17
[30] US (15/057,956) 2016-03-01

---

[11] **2,980,171**
[13] C
[51] **Int.Cl. G06F 3/06 (2006.01)**
[25] EN
[54] **DYNAMIC CONFIGURATION OF DATA VOLUMES**
[54] **CONFIGURATION DYNAMIQUE DE VOLUMES DE DONNEES**
[72] BROOKER, MARC JOHN, US
[72] THOMPSON, JAMES MICHAEL, US
[72] OLSON, MARC STEPHEN, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2017-09-18
[86] 2016-03-25 (PCT/US2016/024328)
[87] (WO2016/154587)
[30] US (14/668,782) 2015-03-25

---

[11] **2,980,374**
[13] C
[51] **Int.Cl. B62K 5/10 (2013.01) B62K 5/00 (2013.01)**
[25] EN
[54] **ROCKING CONTROL DEVICE FOR TWO FRONT WHEELS ROCKING VEHICLE**
[54] **DISPOSITIF DE CONTROLE DE BASCULEMENT DESTINE A UN VEHICULE BASCULANT A DEUX ROUES AVANT**
[72] IGUCH, KAZUNARI, JP
[72] UEBAYASHI, YUICHI, JP
[72] KAWAKAMI, TOMOHIRO, JP
[72] MIYAGISHI, SHUNICHI, JP
[73] HONDA MOTOR CO., LTD.,
[86] (2980374)
[87] (2980374)
[22] 2017-09-27
[30] JP (2016-191066) 2016-09-29

---

[11] **2,981,259**
[13] C
[51] **Int.Cl. E21B 47/13 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR USE IN DOWNHOLE COMMUNICATION**
[54] **SYSTEME ET METHODE DESTINES A LA COMMUNICATION EN FOND DE TROU**
[72] CLARKSON, HUGH, GB
[72] PURKIS, DANIEL GEORGE, GB
[72] KNIGHT, MATTHEW, GB
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC,
[86] (2981259)
[87] (2981259)
[22] 2014-02-28
[62] 2,902,659
[30] GB (1303614.0) 2013-02-28
[30] AU (2013201675) 2013-03-13
[30] CA (2809026) 2013-03-13
[30] US (13/800,183) 2013-03-13
[30] GB (1310219.9) 2013-06-07
[30] GB (1310183.7) 2013-06-07

---

[11] **2,981,388**
[13] C
[51] **Int.Cl. C22C 38/00 (2006.01)**
[25] EN
[54] **PROCESS FOR SETTING THE THERMAL CONDUCTIVITY OF A STEEL, TOOL STEEL, IN PARTICULAR HOT-WORK STEEL, AND STEEL OBJECT**
[54] **PROCEDE D'AJUSTEMENT DE LA CONDUCTIVITE THERMIQUE D'UN ACIER, ACIER A OUTILS, NOTAMMENT ACIER A OUTILS POUR TRAVAIL A CHAUD ET ARTICLE EN ACIER**
[72] VALLS ANGLES, ISAAC, ES
[73] ROVALMA, S.A.,
[86] (2981388)
[87] (2981388)
[22] 2007-06-08
[62] 2,659,849
[30] EP (06118672.2) 2006-08-09

[11] **2,981,995**
[13] C
[51] **Int.Cl. B60R 19/42 (2006.01) B60R 19/56 (2006.01) B62D 25/02 (2006.01)**
[25] EN
[54] **A SIDE PROTECTION DEVICE FOR A VEHICLE, RELATED KIT AND VEHICLE PROVIDED WITH THE SAME.**
[54] **UN DISPOSITIF DE PROTECTION LATERALE DESTINE A UN VEHICULE, TROUSSE ASSOCIEE ET VEHICULE COMPORTANT LEDIT DISPOSITIF**
[72] FORTIER, PAUL HENRI, CA
[73] FORTIER, SIMON,
[73] FORTIER, SYLVAIN,
[86] (2981995)
[87] (2981995)
[22] 2017-10-11
[30] US (62/406,570) 2016-10-11

[11] **2,984,026**
[13] C
[51] **Int.Cl. C07C 229/12 (2006.01) C12N 15/113 (2010.01) A61K 9/14 (2006.01) A61K 39/00 (2006.01) A61K 47/22 (2006.01) A61P 37/04 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **IMPROVED AMINO LIPIDS AND METHODS FOR THE DELIVERY OF NUCLEIC ACIDS**
[54] **LIPIDES AMINES AMELIORES ET PROCEDES D'ADMINISTRATION D'ACIDES NUCLEIQU S**
[72] HOPE, MICHAEL J., CA
[72] SEMPLE, SEAN C., CA
[72] CHEN, JIANXIN, CA
[72] MADDEN, THOMAS D., CA
[72] CULLIS, PIETER R., CA
[72] CIUFOLINI, MARCO A., CA
[72] MUI, BARBARA, CA
[73] THE UNIVERSITY OF BRITISH COLUMBIA,
[73] ARBUTUS BIOPHARMA CORPORATION,
[86] (2984026)
[87] (2984026)
[22] 2009-10-09
[62] 2,740,000
[30] US (61/104,212) 2008-10-09
[30] US (61/104,219) 2008-10-09
[30] US (61/220,666) 2009-06-26

[11] **2,986,073**
[13] C
[51] **Int.Cl. B28B 7/22 (2006.01) B28B 7/04 (2006.01)**
[25] EN
[54] **FORMWORK DEVICE**
[54] **DISPOSITIF DE COFFRAGE**
[72] SCHREYER, BERND, DE
[73] DOKA NEWCON GMBH,
[85] 2017-11-15
[86] 2016-05-19 (PCT/EP2016/061220)
[87] (WO2016/184947)
[30] DE (10 2015 209 157.0) 2015-05-19

[11] **2,987,322**
[13] C
[51] **Int.Cl. A61K 47/51 (2017.01) A61K 47/54 (2017.01) A61K 47/65 (2017.01) A61K 47/66 (2017.01) A61K 49/00 (2006.01) C07K 7/02 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **MULTI-LIGAND DRUG CONJUGATES AND USES THEREOF**
[54] **CONJUGUES DE MEDICAMENT MULTI-LIGANDS ET LEURS UTILISATIONS**
[72] HUANG, BAOHUA ROBERT, CN
[72] DAI, JIAN, CN
[72] WANG, ZHONGBO, CN
[72] XIE, XUEYUAN, CN
[72] LIU, XIAODONG, CN
[72] HU, XINLI, CN
[73] COHERENT BIOPHARMA,
[85] 2017-11-27
[86] 2016-08-11 (PCT/CN2016/094704)
[87] (WO2017/025057)
[30] CN (201510489556.6) 2015-08-11
[30] CN (201510489560.2) 2015-08-11

[11] **2,988,431**
[13] C
[51] **Int.Cl. B01F 15/04 (2006.01) A23L 5/00 (2016.01) A23L 27/00 (2016.01) A23L 29/00 (2016.01) A23L 33/00 (2016.01) B01F 15/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MAKING CUSTOMIZED FORMULATIONS FOR INDIVIDUALS**
[54] **PROCEDE ET SYSTEME DE FABRICATION DE FORMULATIONS PERSONNALISEES POUR DES INDIVIDUS**
[72] HUDSON, EDISON T., US
[72] NOEL, LLOYD S., US
[73] PANACEA BIOMATX, INC.,
[86] (2988431)
[87] (2988431)
[22] 2014-03-12
[62] 2,908,528
[30] US (61/777181) 2013-03-12

[11] **2,989,316**
[13] C
[51] **Int.Cl. A61L 29/08 (2006.01) A61L 29/14 (2006.01)**
[25] EN
[54] **WATER DISINTEGRABLE FLUSHABLE CATHETER**
[54] **CATHETER POUVANT SE DESINTEGRER DANS L'EAU, JETABLE DANS LES TOILETTES**
[72] FARRELL, DAVID J., IE
[72] CLARKE, JOHN T., IE
[73] HOLLISTER INCORPORATED,
[85] 2017-12-12
[86] 2016-06-07 (PCT/US2016/036223)
[87] (WO2016/205018)
[30] US (62/180,954) 2015-06-17

[11] **2,989,580**
[13] C
[51] **Int.Cl. A24F 40/00 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01) A24F 47/00 (2020.01)**
[25] EN
[54] **ELECTRONIC CIGARETTE WITH SEALED CARTRIDGE**
[54] **CIGARETTE ELECTRONIQUE AYANT UNE CARTOUCHE SCELLEE**
[72] HON, LIK, CN
[73] FONTEM HOLDINGS 1 B.V.,
[86] (2989580)
[87] (2989580)
[22] 2012-04-26
[62] 2,870,469

---

[11] **2,990,654**
[13] C
[51] **Int.Cl. B25J 9/10 (2006.01) B25J 3/04 (2006.01)**
[25] EN
[54] **BELT DRIVE DUAL ROBOT GANTRY**
[54] **SUPPORT MOBILE DE ROBOT DOUBLE A COURROIE D'ENTRAINEMENT**
[72] MILLER, JOHN ERIC, US
[72] MATHIS, DENNIS R., US
[73] THE BOEING COMPANY,
[86] (2990654)
[87] (2990654)
[22] 2018-01-03
[30] US (15/418379) 2017-01-27

---

[11] **2,990,800**
[13] C
[51] **Int.Cl. A61H 3/04 (2006.01)**
[25] EN
[54] **WALKERS AND METHODS OF USE**
[54] **MARCHETTES ET PROCEDES D'UTILISATION**
[72] CHEN, ZHI CHENG, CN
[73] BDARK HOLDINGS LTD.,
[86] (2990800)
[87] (2990800)
[22] 2013-12-23
[62] 2,837,594

---

[11] **2,990,827**
[13] C
[51] **Int.Cl. B25H 5/00 (2006.01) A47B 88/40 (2017.01) A47B 88/57 (2017.01) B62D 33/04 (2006.01)**
[25] EN
[54] **STORAGE CABINET FOR USE IN A VEHICLE**
[54] **ARMOIRE DE RANGEMENT DESTINEE A UN VEHICULE**
[72] RICHTER, THOMAS SCOTT, US
[73] ADRIAN STEEL COMPANY,
[86] (2990827)
[87] (2990827)
[22] 2018-01-04
[30] US (62/443,190) 2017-01-06
[30] US (15/860,908) 2018-01-03

---

[11] **2,992,395**
[13] C
[51] **Int.Cl. E05F 15/689 (2015.01) E05F 11/38 (2006.01)**
[25] EN
[54] **ASSEMBLY HAVING A WINDOW SUPPORT FOR A VEHICLE WINDOW**
[54] **UNITE STRUCTURELLE POURVUE D'UN SUPPORT DE VITRE DE VEHICULE**
[72] REUL, BERNHARD, DE
[72] WERNER, KATJA, DE
[72] KLEIN, MARCEL, DE
[73] SAINT-GOBAIN GLASS FRANCE,
[85] 2018-01-12
[86] 2016-08-15 (PCT/EP2016/069318)
[87] (WO2017/029253)
[30] EP (15181081.9) 2015-08-14

---

[11] **2,992,678**
[13] C
[51] **Int.Cl. E04B 5/36 (2006.01) E02D 27/02 (2006.01) E02D 31/00 (2006.01) E04G 11/36 (2006.01)**
[25] EN
[54] **BRACKET ASSEMBLY AND FORMING SYSTEM FOR STRUCTURAL COMPONENTS**
[54] **ENSEMBLE D'ETRIER ET SYSTEME DE FORMATION POUR COMPOSANTS STRUCTURELS**
[72] MOYHER, CHARLES S., US
[73] MOYHER, CHARLES S.,
[86] (2992678)
[87] (2992678)
[22] 2013-01-10
[62] 2,860,937
[30] US (13/374,724) 2012-01-10

---

[11] **2,992,878**
[13] C
[51] **Int.Cl. A61N 2/04 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **BLOOD MAGNETIC STIMULATION DEVICE**
[54] **DISPOSITIF DE STIMULATION MAGNETIQUE DU SANG**
[72] FU, KUN-MEI, TW
[72] HO, CON-WAY, US
[73] VENITAS RESEARCH CENTER, LLC,
[86] (2992878)
[87] (2992878)
[22] 2018-01-24

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[11] **2,993,403**
[13] C
[51] **Int.Cl. B61D 7/02 (2006.01) B61D 7/18 (2006.01) B61D 7/22 (2006.01) B61D 7/24 (2006.01) B61D 17/08 (2006.01)**
[25] EN
[54] **SIDE CONTOURED OPEN TOP HOPPER RAILCAR WITH BIASED DOOR SEAL AND ENLARGED CONTOURED END DOOR**
[54] **VEHICULE FERROVIAIRE TREMIE OUVERT EN HAUT A PROFILAGE LATERAL COMPORTANT UN JOINT DE PORTE DOTE D'UN RAPPEL ET UNE PORTE TERMINALE PROFILEE AGRANDIE**
[72] JOSEPHSON, GREGORY P., US
[72] LOHR, DAVID A., US
[73] FREIGHTCAR AMERICA, INC.,
[86] (2993403)
[87] (2993403)
[22] 2011-01-24
[62] 2,787,778
[30] US (61/297,485) 2010-01-22

[11] **2,994,678**
[13] C
[51] **Int.Cl. E01C 23/16 (2006.01) E01C 23/22 (2006.01)**
[25] EN
[54] **THERMOPLASTIC PAINT MARKING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE MARQUAGE A LA PEINTURE THERMOPLASTIQUE**
[72] WILKENS, JEFFREY ARNOLD, US
[72] MARTHE, TIMOTHY JOHN, US
[72] GONITZKE, JONATHAN ROBERT, US
[72] SPIELMAN, JAMES PETER, US
[73] WILKENS, JEFFREY ARNOLD,
[73] MARTHE, TIMOTHY JOHN,
[73] GONITZKE, JONATHAN ROBERT,
[73] SPIELMAN, JAMES PETER,
[86] (2994678)
[87] (2994678)
[22] 2018-02-12
[30] US (62/457,860) 2017-02-11

[11] **2,997,479**
[13] C
[51] **Int.Cl. G01B 7/16 (2006.01) B64F 5/60 (2017.01) B64C 25/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MOUNTING LANDING GEAR STRAIN SENSORS**
[54] **SYSTEMES ET PROCEDES DE MONTAGE DES CAPTEURS DE CONTRAINTES DE TRAINS D'ATTERRISSAGE**
[72] ERIKSEN, ODD HARALD STEEN, US
[72] GUO, SHUWEN, US
[72] LIN, CHUANG-CHIA, US
[72] STANG, LAWRENCE JOSEPH, US
[73] GOODRICH CORPORATION,
[86] (2997479)
[87] (2997479)
[22] 2011-07-12
[62] 2,746,096
[30] US (12/839,170) 2010-07-19

[11] **2,999,007**
[13] C
[51] **Int.Cl. G03G 15/08 (2006.01) F16H 27/00 (2006.01) G03G 21/00 (2006.01) G03G 21/16 (2006.01) G03G 21/18 (2006.01)**
[25] EN
[54] **DEVELOPER CARTRIDGE**
[54] **CARTOUCHE DE REVELATEUR**
[72] SHIMIZU, KEITA, JP
[72] SHIMIZU, TAKASHI, JP
[72] NISHIYAMA, HIDESHI, JP
[72] KAMIMURA, NAOYA, JP
[72] WATANABE, TOMONORI, JP
[73] BROTHER KOGYO KABUSHIKI KAISHA,
[85] 2018-03-16
[86] 2015-10-30 (PCT/JP2015/080812)
[87] (WO2017/056336)
[30] JP (2015-197202) 2015-10-02

[11] **3,000,164**
[13] C
[51] **Int.Cl. G09B 23/28 (2006.01) A61B 34/10 (2016.01) G09B 9/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SIMULATING AN INSERTION OF AN ELONGATED INSTRUMENT INTO A SUBJECT**
[54] **METHODE ET SYSTEME DE SIMULATION D'UNE INSERTION D'UN INSTRUMENT ALLONGE DANS UN SUJET**
[72] FLAMAND, JEAN-SEBASTIEN, CA
[72] CARON, FRANCOIS, CA
[73] CAE HEALTHCARE CANADA INC.,
[86] (3000164)
[87] (3000164)
[22] 2018-03-29

[11] **3,002,333**
[13] C
[51] **Int.Cl. F21V 17/06 (2006.01) F21K 9/00 (2016.01) F21S 8/06 (2006.01) F21V 5/04 (2006.01)**
[25] EN
[54] **RING-SHAPED LIGHTS WITH EDGE EFFECT**
[54] **LUMIERES EN FORME D'ANNEAU A EFFET DE REBORD**
[72] SONNEMAN, ROBERT A., US
[73] CONTEMPORARY VISIONS, LLC,
[86] (3002333)
[87] (3002333)
[22] 2018-04-20
[30] US (15/499,300) 2017-04-27

[11] **3,002,368**
[13] C
[51] **Int.Cl. B64C 27/20 (2006.01) B64C 11/00 (2006.01) B64C 27/04 (2006.01) B64C 27/12 (2006.01) B64C 27/59 (2006.01) B64D 27/24 (2006.01)**
[25] EN
[54] **FLYING OBJECT**
[54] **ENGIN VOLANT**
[72] NAM, YANG WOO, KR
[73] NAM, YANG WOO,
[85] 2018-04-17
[86] 2016-10-28 (PCT/KR2016/012249)
[87] (WO2017/078330)
[30] KR (10-2015-0155253) 2015-11-05

[11] **3,003,585**
[13] C
[51] **Int.Cl. H01R 24/38 (2011.01) H01R 9/05 (2006.01) H01R 13/52 (2006.01)**
[25] EN
[54] **WATERPROOF COAXIAL CABLE CONNECTOR**
[54] **CONNECTEUR DE CABLE COAXIAL A L'EPREUVE DE L'EAU**
[72] PATTON, DAMON LLOYD, US
[72] WOLFE, STEVEN CHRISTOPHER, US
[72] STOVES, RANDALL MCCLAY, US
[73] NEPTUNE TECHNOLOGY GROUP INC.,
[86] (3003585)
[87] (3003585)
[22] 2018-05-01
[30] US (15/966,331) 2018-04-30
[30] US (62/500,371) 2017-05-02

[11] **3,003,934**
[13] C
[51] **Int.Cl. B23B 5/16 (2006.01)**
[25] EN
[54] **CHAMFERING TOOL WITH GUIDE FOR ELIMINATING VIBRATIONS**
[54] **OUTIL DE CHANFREIN AVEC GUIDAGE POUR ELIMINATION DES VIBRATIONS**
[72] RATTUNDE, ULRICH, DE
[73] RATTUNDE AG,
[85] 2018-05-02
[86] 2016-11-01 (PCT/EP2016/076303)
[87] (WO2017/076833)
[30] DE (DE 10 2015 118 769.8) 2015-11-03

[11] **3,004,212**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **TECHNIQUES FOR CASE ALLOCATION**
[54] **TECHNIQUES D'ATTRIBUTION DE CAS**
[72] KAN, ITTAI, US
[72] DELELLIS, DAVID J., US
[73] AFINITI EUROPE TECHNOLOGIES LIMITED,
[85] 2018-05-03
[86] 2016-11-30 (PCT/IB2016/001871)
[87] (WO2017/093808)
[30] US (62/261,780) 2015-12-01

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[11] **3,006,313**
[13] C
[51] **Int.Cl. C07K 14/195 (2006.01) A61K 47/66 (2017.01) A61K 9/127 (2006.01) A61P 35/00 (2006.01) C07C 43/295 (2006.01) C07D 305/14 (2006.01) C07H 15/252 (2006.01) C07K 1/06 (2006.01) C07K 1/113 (2006.01) C07K 7/08 (2006.01) C07K 14/00 (2006.01) C07K 14/47 (2006.01) C07K 17/00 (2006.01) C40B 40/10 (2006.01)**
[25] EN
[54] **PEPTIDE COMPOUNDS AND PEPTIDE CONJUGATES FOR THE TREATMENT OF CANCER THROUGH RECEPTOR-MEDIATED CHEMOTHERAPY**
[54] **COMPOSES PEPTIDIQUES ET CONJUGUES PEPTIDIQUES DESTINES AU TRAITEMENT DU CANCER PAR CHIMIOTHERAPIE A MEDIATION PAR UN RECEPTEUR**
[72] BELIVEAU, RICHARD, CA
[72] ANNABI, BORHANE, CA
[72] DEMEULE, MICHEL, CA
[72] LAROCQUE, ALAIN, CA
[72] CURRIE, JEAN-CHRISTOPHE, CA
[72] CHARFI, CYNDIA, CA
[73] TRANSFERT PLUS, S.E.C.,
[85] 2018-05-24
[86] 2016-11-24 (PCT/CA2016/051379)
[87] (WO2017/088058)
[30] US (62/259,178) 2015-11-24

---

[11] **3,008,954**
[13] C
[51] **Int.Cl. E21B 7/06 (2006.01) E21B 7/04 (2006.01) E21B 17/10 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL FOR VERTICAL AND DIRECTIONAL CONTROL**
[54] **OUTIL DE FOND DE TROU POUR COMMANDE VERTICALE ET DIRECTIONNELLE**
[72] FEDDEMA, CHAD, US
[72] JONES, STEPHEN, US
[72] SUGIURA, JUNICHI, US
[73] SANVEAN TECHNOLOGIES LLC,
[85] 2018-06-15
[86] 2017-01-06 (PCT/US2017/012584)
[87] (WO2017/120505)
[30] US (62/276,676) 2016-01-08
[30] US (62/344,940) 2016-06-02

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[11] **3,009,431**
[13] C
[51] **Int.Cl. E21B 25/02 (2006.01) E21B 3/02 (2006.01) E21B 7/04 (2006.01)**
[25] EN
[54] **STEEL CORING DRILLING MACHINE AND GREEN NEW CONSTRUCTION METHOD CAPABLE OF REPLACING TRENCH WELL EXPLORATION**
[54] **APPAREIL DE FORAGE DE CAROTTAGE A CABLE METALLIQUE ET NOUVEAU PROCEDE DE CONSTRUCTION ECOLOGIQUE PERMETTANT REMPLACER DES EXPLORATIONS DE TRANCHEE ET DE PUITS PEU PROFOND**
[72] SHAN, JIUKU, CN
[72] LIU, XIANGXU, CN
[72] WANG, LIANGUO, CN
[72] SHAN, GUANGJIE, CN
[72] ZHOU, DAN, CN
[72] PAN, YONGBO, CN
[72] HAO, WENLI, CN
[72] LI, ZONGMIN, CN
[72] PEI, ZHIYU, CN
[72] FU, YONGTAO, CN
[73] HEILONGJIANG INSTITUTE OF GEOLOGICAL SCIENCES,
[85] 2018-06-21
[86] 2017-11-17 (PCT/CN2017/111501)
[87] (WO2018/090962)
[30] CN (201611033548.1) 2016-11-18

---

[11] **3,009,933**
[13] C
[51] **Int.Cl. C09K 5/10 (2006.01)**
[25] EN
[54] **QUANTUM HEAT TRANSFER MEDIUM**
[54] **MILIEU DE TRANSFERT DE CHALEUR QUANTIQUE**
[72] CHAN, KI, SG
[73] QUANTUM TECHNOLOGY GROUP LIMITED,
[85] 2018-06-26
[86] 2017-08-24 (PCT/IB2017/001017)
[87] (WO2018/042241)
[30] US (62/380,764) 2016-08-29
[30] US (15/684,536) 2017-08-23

---

[11] **3,014,814**
[13] C
[51] **Int.Cl. G06F 21/53 (2013.01) G06F 9/38 (2018.01) G06F 9/455 (2018.01)**
[25] EN
[54] **PARALLEL PROCESSING OF DATA**
[54] **TRAITEMENT PARALLELE DE DONNEES**
[72] RANIWALA, ASHISH, US
[72] PERRY, FRANCES J., US
[72] HENRY, ROBERT R., US
[72] TIGANI, JORDAN, US
[72] ADAMS, STEPHEN R., US
[72] BRADSHAW, ROBERT, US
[72] WEIZENBAUM, NATHAN, US
[72] CHAMBERS, CRAIG D., US
[73] GOOGLE LLC,
[86] (3014814)
[87] (3014814)
[22] 2011-05-04
[62] 2,798,266
[30] US (61/331,148) 2010-05-04
[30] US (12/794,348) 2010-06-04
[30] US (12/959,022) 2010-12-02

---

[11] **3,018,232**
[13] C
[51] **Int.Cl. F21V 21/26 (2006.01) F16C 11/04 (2006.01) F16C 11/10 (2006.01) F21L 14/00 (2006.01) F21V 21/06 (2006.01)**
[25] EN
[54] **FOLDABLE PORTABLE LAMP**
[54] **LAMPE PORTATIVE PLIANTE**
[72] THOMAS, JACOB M., US
[73] THOMAS, JACOB M.,
[86] (3018232)
[87] (3018232)
[22] 2018-09-21
[30] US (62/561,742) 2017-09-22
[30] US (15/893,123) 2018-02-09

[11] **3,018,688**
[13] C
[51] **Int.Cl. B65B 5/10 (2006.01) B65D 83/04 (2006.01) A61J 7/00 (2006.01)**
[25] EN
[54] **PACKAGING SYSTEM FOR PHARMACEUTICAL DISPENSER AND ASSOCIATED METHOD**
[54] **SYSTEME DE CONDITIONNEMENT POUR DISTRIBUTEUR PHARMACEUTIQUE ET PROCEDE ASSOCIE**
[72] ARCHER, BOBY O., US
[72] BAILEY, JEFFREY S., US
[72] FRAHN, ANKE, US
[72] HAWKES, KIMBERLY, US
[73] REMEDI TECHNOLOGY HOLDINGS, LLC,
[86] (3018688)
[87] (3018688)
[22] 2012-10-24
[62] 2,853,250
[30] US (61/550,787) 2011-10-24

[11] **3,020,522**
[13] C
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **IMPROVING FREQUENCY REUSE EFFICIENCY VIA INTERFERENCE AVOIDANCE FOR MULTI-BEAM SATELLITE COMMUNICATIONS NETWORK**
[54] **AMELIORATION DE L'EFFICACITE DE REUTILISATION DE FREQUENCE PAR LE BIAIS DE L'ANNULATION D'INTERFERENCE DESTINEE A UN RESEAU DE COMMUNICATIONS SATELLITE A FAISCEAUX MULTIPLES**
[72] LEE, LIN-NAN, US
[72] CHEN, LIPING, US
[72] NOERPEL, ANTHONY, US
[72] KAY, STANLEY E., US
[73] HUGHES NETWORK SYSTEMS, LLC,
[85] 2018-10-09
[86] 2017-04-06 (PCT/US2017/026469)
[87] (WO2017/180445)
[30] US (15/096,467) 2016-04-12

[11] **3,020,806**
[13] C
[25] EN
[54] **ELECTRONIC CIGARETTE**
[54] **CIGARETTE ELECTRONIQUE**
[72] WENDT THEVENAZ, CRISTINA, CH
[72] DANIELE KILLY, MARIA, CH
[72] FOURNIER, TOM, FR
[73] MD&C CREATIVE MAISON SA,
[85] 2018-10-12
[86] 2017-04-07 (PCT/IL2017/050429)
[87] (WO2017/179043)
[30] US (62/321,807) 2016-04-13

[11] **3,022,306**
[13] C
[51] **Int.Cl. E04B 9/22 (2006.01)**
[25] EN
[54] **MODULAR CLIP FOR JOINING SUSPENDED CEILING MEMBERS**
[54] **PINCE MODULAIRE SERVANT A JOINDRE DES ELEMENTS DE PLAFOND SUSPENDU**
[72] GENDREAU, VINCENT, CA
[72] ST-LAURENT, ANDRE, CA
[73] LES PLAFONDS EMBASSY INC.,
[85] 2018-10-26
[86] 2017-04-26 (PCT/CA2017/000099)
[87] (WO2017/185167)
[30] US (62/327,533) 2016-04-26

[11] **3,022,969**
[13] C
[51] **Int.Cl. F28F 9/00 (2006.01) F01P 3/18 (2006.01) F16M 3/00 (2006.01) F28D 1/00 (2006.01)**
[25] EN
[54] **IMPROVED HEAT EXCHANGER UNIT**
[54] **MODULE D'ECHANGEUR THERMIQUE AMELIORE**
[72] HJORTH, DEREK, US
[72] GASKA, JOHN, US
[72] VANBERG, RANDY, US
[72] VISSCHER, KEVIN, CA
[72] LOTEY, IQBAL, CA
[72] PENG, BOB, CA
[73] GLOBAL HEAT TRANSFER ULC,
[86] (3022969)
[87] (3022969)
[22] 2017-04-07
[62] 2,963,568
[30] US (62/320,606) 2016-04-10
[30] US (62/320,611) 2016-04-10
[30] US (15/477,097) 2017-04-02

[11] **3,025,888**
[13] C
[51] **Int.Cl. H04N 7/15 (2006.01) G06F 13/00 (2006.01) H04M 3/56 (2006.01)**
[25] EN
[54] **VIDEO CONFERENCE SYSTEM AND VIDEO CONFERENCE METHOD**
[54] **SYSTEME DE VIDEOCONFERENCE ET METHODE DE VIDEOCONFERENCE**
[72] YASUDA, MASAYUKI, JP
[73] NEC PLATFORMS, LTD.,
[85] 2018-11-28
[86] 2017-06-16 (PCT/JP2017/022265)
[87] (WO2018/012191)
[30] JP (2016-137332) 2016-07-12

[11] **3,032,817**
[13] C
[51] **Int.Cl. H04M 3/22 (2006.01) H04M 3/436 (2006.01) H04L 29/06 (2006.01) H04M 7/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR THREAT IDENTIFICATION THROUGH ANALYSIS OF COMMUNICATIONS SIGNALING, EVENTS, AND PARTICIPANTS**
[54] **PROCEDE ET APPAREIL D'IDENTIFICATION DE MENACE PAR ANALYSE DE PARTICIPANTS, D'EVENEMENTS ET DE SIGNALISATION DE COMMUNICATIONS**
[72] DOUGLAS, LANCE, US
[73] PINDROP SECURITY, INC.,
[85] 2019-02-01
[86] 2017-08-02 (PCT/US2017/045090)
[87] (WO2018/026912)
[30] US (62/370,105) 2016-08-02
[30] US (15/666,917) 2017-08-02

[11] **3,033,850**
[13] C
[51] **Int.Cl. C07C 233/64 (2006.01) A61P 35/00 (2006.01) A61Q 19/08 (2006.01) C07D 233/22 (2006.01) C07D 241/08 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **SYNTHESIS METHOD FOR PRODUCING ENANTIOMERICALLY PURE CIS-IMIDAZOLINE COMPOUNDS FOR PHARMACEUTICAL USE**
[54] **PROCEDE DE SYNTHESE POUR LA PRODUCTION DE COMPOSES CIS-IMIDAZOLINE ENANTIOMERIQUEMENT PURS A USAGE PHARMACEUTIQUE**
[72] CHEN, BING, CN
[72] VON GELDERN, THOMAS W., US
[72] BACKES, BRADLEY, US
[73] UNITY BIOTECHNOLOGY, INC.,
[85] 2019-02-13
[86] 2017-06-16 (PCT/CN2017/088787)
[87] (WO2018/227620)

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[11] **3,035,505**
[13] C
[51] **Int.Cl. B21D 22/20 (2006.01) B21D 24/00 (2006.01) B21D 43/05 (2006.01)**
[25] EN
[54] **HOT PRESS DEVICE**
[54] **DISPOSITIF DE PRESSE A CHAUD**
[72] NOMURA, NARUHIKO, JP
[72] NAKAZAWA, YOSHIAKI, JP
[72] SUZUKI, TOSHIYA, JP
[72] ITO, YASUHIRO, JP
[72] MORIMOTO, RYOUSUKE, JP
[73] NIPPON STEEL CORPORATION,
[85] 2019-02-28
[86] 2017-08-31 (PCT/JP2017/031446)
[87] (WO2018/047713)
[30] JP (2016-173990) 2016-09-06

---

[11] **3,037,136**
[13] C
[51] **Int.Cl. A61H 33/00 (2006.01) E03C 1/02 (2006.01) E04H 4/12 (2006.01)**
[25] EN
[54] **DUAL PLUMBING SYSTEM FOR A HOT TUB OR SPA**
[54] **SYSTEME DE PLOMBERIE DOUBLE DESTINE A UNE BAIGNOIRE A REMOUS OU UN SPA**
[72] COLLINS, SAMUEL JEFFERY, US
[72] KROLL, DANIEL JACOB, US
[72] BACKER, SCOTT STEPHEN, US
[73] WEXCO INCORPORATED,
[86] (3037136)
[87] (3037136)
[22] 2019-03-19
[30] US (15/926,873) 2018-03-20

---

[11] **3,041,564**
[13] C
[51] **Int.Cl. E05F 15/619 (2015.01)**
[25] EN
[54] **TRANSMISSION DEVICE FOR ATTACHING TO A DRIVESHAFT**
[54] **DISPOSITIF DE TRANSMISSION DESTINE A ETRE INSTALLE SUR UN ARBRE D'ENTRAINEMENT**
[72] BAUSCH, MANFRED, DE
[72] BAUR, MARIUS, DE
[72] VOGEL, DANIELA, DE
[73] LOCK ANTRIEBSTECHNIK GMBH,
[85] 2019-04-23
[86] 2017-10-19 (PCT/EP2017/076777)
[87] (WO2018/077727)
[30] DE (20 2016 105 970.4) 2016-10-24

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[11] **3,043,081**
[13] C
[51] **Int.Cl. A61K 31/232 (2006.01) A61P 3/06 (2006.01) A61P 9/10 (2006.01) A61K 31/557 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING AND/OR PREVENTING CARDIOVASCULAR DISEASE**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT ET/OU LA PREVENTION DE MALADIES CARDIO-VASCULAIRES**
[72] ROWE, JONATHAN, US
[73] AMARIN PHARMACEUTICALS IRELAND LIMITED,
[86] (3043081)
[87] (3043081)
[22] 2011-03-04
[62] 2,792,090
[30] US (61/310,443) 2010-03-04

---

[11] **3,044,577**
[13] C
[51] **Int.Cl. E21B 19/14 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **ENCLOSURE DEVICE FOR REMOVABLE AND RECONFIGURABLE RACKS SUPPORTING ARRAYS OF CONDUITS**
[54] **DISPOSITIF D'UNE ENCEINTE POUR LES SUPPORTS AMOVIBLES ET RECONFIGURABLESQUI SOUTIENNENT LES RESEAUX DE CONDUITS**
[72] NELSEN, BLAIR, CA
[72] CHISHOLM, JAMES, CA
[73] NELSEN TECHNOLOGIES INC.,
[86] (3044577)
[87] (3044577)
[22] 2019-05-28

[11] **3,046,424**
[13] C
[51] **Int.Cl. B61B 3/02 (2006.01) B61B 13/04 (2006.01) B61C 17/06 (2006.01)**
[25] EN
[54] **UNMANNED RAIL VEHICLE**
[54] **VEHICULE FERROVIAIRE SANS CONDUCTEUR**
[72] STAAB, HARALD, US
[72] EAKINS, WILLIAM, US
[72] LASKO, DANIEL, US
[72] FUHLBRIGGE, THOMAS, US
[72] ZHANG, EDWARD, US
[72] SHAH, HARSHANG, US
[72] RAKUFF, STEFAN, US
[72] COLE, GREGORY, US
[72] ROSSANO, GREGORY, US
[72] SALM, ANDREW, US
[72] CHOI, SANG, US
[72] BOCA, REMUS, US
[73] ABB SCHWEIZ AG,
[85] 2019-06-07
[86] 2017-12-08 (PCT/EP2017/081980)
[87] (WO2018/104504)
[30] US (62/431,680) 2016-12-08
[30] EP (17155123.7) 2017-02-08

[11] **3,046,667**
[13] C
[51] **Int.Cl. G01N 21/25 (2006.01) G01J 3/02 (2006.01) H04N 5/335 (2011.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CALIBRATING IMAGING MEASUREMENTS TAKEN FROM AERIAL VEHICLES**
[54] **SYSTEME ET PROCEDE POUR ETALONNER DES MESURES D'IMAGERIE PRISES A PARTIR DE VEHICULES AERIENS**
[72] RITTER, MICHAEL, US
[72] MILTON, MICHAEL, US
[73] SLANTRANGE, INC.,
[86] (3046667)
[87] (3046667)
[22] 2015-09-08
[62] 2,960,375
[30] US (14/480,565) 2014-09-08

[11] **3,047,767**
[13] C
[51] **Int.Cl. E05F 15/60 (2015.01) E06B 11/08 (2006.01)**
[25] EN
[54] **CAM LOCKING SHOTGUN GATE**
[54] **BARRIERE DE SECURITE DE TYPE "SHOTGUN" A VERROUILLAGE PAR CAME**
[72] ALFORD, ROBERT LOUIS, US
[72] MEHLHORN, MICHAEL RICHARD, US
[73] UNIVERSAL CITY STUDIOS LLC,
[85] 2019-06-19
[86] 2017-12-14 (PCT/US2017/066479)
[87] (WO2018/118658)
[30] US (62/438,046) 2016-12-22
[30] US (15/665,077) 2017-07-31

[11] **3,052,217**
[13] C
[51] **Int.Cl. E03D 1/00 (2006.01) E03B 7/08 (2006.01) E03D 1/02 (2006.01) E03D 13/00 (2006.01) F24D 17/00 (2006.01)**
[25] EN
[54] **FLUSHING DEVICE FOR A SANITARY DEVICE AND TOILET OR URINAL FLUSH**
[54] **CHASSE D'EAU POUR UN EQUIPEMENT SANITAIRE AINSI QUE CHASSE D'EAU POUR TOILETTES OU URINOIR**
[72] ARENS, KLAUS, DE
[72] KLOSTA, TOBIAS, DE
[73] VIEGA TECHNOLOGY GMBH & CO. KG,
[85] 2019-07-31
[86] 2018-01-19 (PCT/EP2018/051327)
[87] (WO2018/145878)
[30] DE (20 2017 100 660.3) 2017-02-08

[11] **3,056,219**
[13] C
[51] **Int.Cl. C07J 9/00 (2006.01) C07J 75/00 (2006.01)**
[25] EN
[54] **METHOD FOR EXTRACTING PHYTOSTEROLS FROM TALL OIL PITCH**
[54] **PROCEDE D'EXTRACTION DE PHYTOSTEROLS A PARTIR DE POIX D'HUILE DE TALL**
[72] CHERNOV, ILIA NIKOLAEVICH, RU
[72] KORSHUNOV, ALEXEY OLEGOVICH, RU
[72] DOLINSKIY, TARAS IVANOVICH, RU
[72] LAZAREV, MIKHAIL ALEKSEEVICH, RU
[72] MAVRINA, EKATERINA ALEKSANDROVNA, RU
[72] ILICHEV, ILIA SERGEEVICH, RU
[72] RADBIL, ARKADIY BENYUMINOVICH, RU
[73] ORGKHIM BCH MANAGEMENT COMPANY, JSC,
[85] 2019-09-11
[86] 2018-05-08 (PCT/RU2018/000296)
[87] (WO2019/050430)
[30] RU (2017131803) 2017-09-11

[11] **3,058,888**
[13] C
[51] **Int.Cl. C22B 5/10 (2006.01) C22B 23/02 (2006.01)**
[25] EN
[54] **METHOD FOR SMELTING OXIDE ORE**
[54] **PROCEDE DE FUSION DE MINERAI D'OXYDE**
[72] ISEKI, TAKASHI, JP
[72] GODA, YUKIHIRO, JP
[72] KOBAYASHI, JUN-ICHI, JP
[72] OKADA, SHUJI, JP
[73] SUMITOMO METAL MINING CO., LTD.,
[85] 2019-10-02
[86] 2018-05-11 (PCT/JP2018/018395)
[87] (WO2018/216513)
[30] JP (2017-103028) 2017-05-24

Canadian Applications Open to Public Inspection

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Demandes canadiennes mises à la disponibilité du public

26 janvier 2020 au 1 février 2020

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[21] **3,012,500**
[13] A1
[51] **Int.Cl. A01M 1/20 (2006.01) A01M 7/00 (2006.01)**
[25] EN
[54] **BUG TERMINATOR SYSTEMS**
[54] **SYSTEME TERMINATEUR D`INSECTES**
[72] AYLWARD, FRANK, CA
[71] AYLWARD, FRANK, CA
[22] 2018-07-26
[41] 2020-01-26

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[21] **3,012,504**
[13] A1
[51] **Int.Cl. G06Q 20/36 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **JUSTWALLET PAYMENT SYSTEMS AND METHOD**
[54] **SYSTEMES ET PROCEDE DE PAIEMENT UNIQUEMENT AVEC UN PORTEMONNAIE**
[72] CHEONG, HAMILTON C., CA
[71] BILLIONAIRE MARKETPLACE LIMITED, CA
[22] 2018-07-26
[41] 2020-01-26

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[21] **3,012,518**
[13] A1
[51] **Int.Cl. H02K 19/06 (2006.01) H02K 11/38 (2016.01) H02K 1/14 (2006.01) H02K 1/24 (2006.01) H02P 25/08 (2016.01)**
[25] EN
[54] **TORQUE RIPPLE REDUCTION IN SWITCHED RELUCTANCE MACHINE**
[54] **REDUCTION D`ONDULATION DU COUPLE DANS UNE MACHINE A RELUCTANCE COMMUTEE**
[72] LI, HAODING, CA
[72] BILGIN, BERKER, CA
[72] EMADI, ALI, CA
[71] MCMASTER UNIVERSITY, CA
[22] 2018-07-26
[41] 2020-01-26

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[21] **3,012,611**
[13] A1
[51] **Int.Cl. C09K 5/14 (2006.01)**
[25] EN
[54] **MODIFIED INERT GAS ATMOSPHERE AND GRAPHITE BASED THERMAL ENERGY STORAGE**
[54] **DISPOSITIF MODIFIE D`ENTREPOSAGE DE GAZ EN ATMOSPHERE INERTE ET D`ENERGIE THERMIQUE A BASE DE GRAPHITE**
[72] DANAEI, ABDOLKARIM, CA
[72] BARATI, MANSOOR, CA
[72] AHADI, AMIRHOSSEIN, CA
[71] KELVIN THERMAL ENERGY INC., CA
[22] 2018-07-27
[41] 2020-01-27

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[21] **3,012,637**
[13] A1
[51] **Int.Cl. E04H 13/00 (2006.01)**
[25] EN
[54] **MEMORIAL STONE DISPLAY SYSTEM**
[54] **SYSTEME D`AFFICHAGE DE PIERRE COMMEMORATIVE**
[72] SIDHU, BALJIT, CA
[71] SIDHU, BALJIT, CA
[22] 2018-07-27
[41] 2020-01-26
[30] US (16046570) 2018-07-26

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[21] **3,012,640**
[13] A1
[51] **Int.Cl. A42B 3/22 (2006.01) A42B 3/04 (2006.01)**
[25] EN
[54] **HELMET, MOUNTING SYSTEM FOR A HELMET AND METHOD OF USING SAME**
[54] **CASQUE, SYSTEME POUR FIXER SUR UN CASQUE ET MODE D`UTILISATION**
[72] LEVESQUE, JEAN-SIMON, CA
[72] BOUCHARD FORTIN, NICOLAS, CA
[72] GILBERT, ETIENNE, CA
[72] DION, STEPHANE, CA
[71] KIMPEX INC., CA
[22] 2018-07-27
[41] 2020-01-27

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[21] **3,012,641**
[13] A1
[51] **Int.Cl. A63F 3/06 (2006.01) B42D 15/00 (2006.01)**
[25] EN
[54] **BOT RAFFLE**
[54] **TIRAGE PAR ROBOT**
[72] UNKNOWN, XX
[71] 10881937 CANADA INC., CA
[22] 2018-07-27
[41] 2020-01-27

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[21] **3,012,644**
[13] A1
[51] **Int.Cl. F16J 15/02 (2006.01) F16H 57/031 (2012.01) F16D 1/10 (2006.01)**
[25] EN
[54] **SEALING BOOT FOR SEALING A JOINT OF DODGE 8 & 8 1/4 FRONT DIFFERENTIALS**
[54] **SOUFFLET D`ETANCHEITE POUR JOINTS DE DIFFERENTIELS AVANT DE 8 ET 8 1/4 DE VEHICULE DODGE**
[72] ROOD, RICHARD BRUCE, CA
[72] ROOD, BRUCE ALLEN, CA
[71] ROOD, RICHARD BRUCE, CA
[71] ROOD, BRUCE ALLEN, CA
[22] 2018-07-27
[41] 2020-01-27

[21] **3,012,659**
[13] A1
[51] **Int.Cl. B62D 55/24 (2006.01) B62D 55/07 (2006.01)**
[25] EN
[54] **TRACK SYSTEM FOR TRACTION OF A VEHICLE**
[54] **SYSTEME DE CHENILLE POUR LA TRACTION D`UN VEHICULE**
[72] DANDURAND, JULES, CA
[72] LEVESQUE, ANDY, CA
[71] CAMSO INC., CA
[22] 2018-07-26
[41] 2020-01-26

[21] **3,012,674**
[13] A1
[51] **Int.Cl. B23K 35/365 (2006.01) B23K 9/235 (2006.01) C09K 3/00 (2006.01)**
[25] EN
[54] **ANTI-SPATTER COATING COMPOSITION FOR METAL SUBSTRATES**
[54] **COMPOSITION DE REVETEMENT ANTI-ECLABOUSURES POUR SUBSTRATS METALLIQUES**
[72] FORTIER, YVES, CA
[71] FORTIER, YVES, CA
[22] 2018-07-27
[41] 2020-01-27

[21] **3,012,678**
[13] A1
[51] **Int.Cl. G21K 1/00 (2006.01)**
[25] EN
[54] **MOUNTED X-RAY WINDOW**
[54] **FENETRE A RAYONS X INSTALLEE**
[72] BLACK, KEVIN, US
[72] ABBOTT, JONATHAN, US
[71] MOXTEK, INC., US
[22] 2018-07-27
[41] 2020-01-27

[21] **3,012,758**
[13] A1
[51] **Int.Cl. B60H 1/22 (2006.01) B60H 3/00 (2006.01)**
[25] EN
[54] **AFTERMARKET MOTOR VEHICLE VENTILATION APPARATUS**
[54] **APPAREIL DE VENTILATION D`APRES-VENTE POUR VEHICULE AUTOMOBILE**
[72] STRONG, BRIAN, CA
[71] STRONG, BRIAN, CA
[22] 2018-07-30
[41] 2020-01-30

[21] **3,012,762**
[13] A1
[51] **Int.Cl. B01F 7/24 (2006.01)**
[25] EN
[54] **AUGER EXTENSION FOR A VERTICAL MIXER, EXTENDABLE AUGER FOR A VERTICAL MIXER AND VERTICAL MIXER INCLUDING THE SAME**
[54] **RALLONGE DE TARIERE EXTENSION POUR UN MELANGEUR VERTICAL, TARIERE DEPLOYABLE POUR UN MELANGEUR VERTICAL ET MELANGEUR VERTICAL**
[72] DESROCHERS, PATRICE, CA
[72] VACHON, JORDAN, CA
[72] BRETON, JACQUES, CA
[72] GAGNON-BOUCHARD, MICHAEL, CA
[71] GROUPE ANDERSON INC., CA
[22] 2018-07-30
[41] 2020-01-30

[21] **3,012,777**
[13] A1
[51] **Int.Cl. E04F 11/02 (2006.01)**
[25] FR
[54] **SOUNDPROOFED STRUCTURAL STAIR WITH FLOOR OPENING, INSTALLED IN TWO STAGES, STACKABLE AND PREBUILT**
[54] **ESCALIER STRUCTURAL INSONORISE AVEC TREMIE DE PLANCHER, INSTALLE EN DEUX ETAPES, EMPILABLES ET PRE-USINES**
[72] GRENIER, GILLES, CA
[71] GRENIER, GILLES, CA
[22] 2018-07-30
[41] 2020-01-30

[21] **3,012,788**
[13] A1
[51] **Int.Cl. G06Q 10/02 (2012.01) G06Q 50/12 (2012.01)**
[25] EN
[54] **UNKNOWN**
[54] **INCONNU**
[72] UNKNOWN, XX
[71] CORLETT, JOHN CHARLES, CA
[22] 2018-07-31
[41] 2020-01-31

[21] **3,012,804**
[13] A1
[51] **Int.Cl. C10B 57/00 (2006.01) C07B 41/00 (2006.01) C07B 41/08 (2006.01) C07B 45/04 (2006.01)**
[25] EN
[54] **DEMINERALIZATION AND UPGRADING OF PETROLEUM COKES**
[54] **DEMINERALISATION ET VALORISATION DE COKES DE PETROLE**
[72] NASSAR, NASHAAT N., CA
[72] MANASRAH, ABDULLAH DARWEESH, CA
[72] VITALE, GERARDO, CA
[71] UTI LIMITED PARTNERSHIP, CA
[22] 2018-07-27
[41] 2020-01-27

[21] **3,012,807**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01)**
[25] EN
[54] **HOCKEY TRAINING APPARATUS WITH NOVEL PUCK REBOUNDERS AND FOLD-UP STORAGE FUNCTION**
[54] **APPAREIL D`ENTRAINEMENT DE HOCKEY AVEC DISPOSITIF DE REBOND DE RONDELLE ET FONCTION DE RANGEMENT**
[72] HEDLEY, DOUGLAS H., CA
[71] HEDLEY, DOUGLAS H., CA
[71] GROSS, PETER, CA
[22] 2018-07-30
[41] 2020-01-30

[21] **3,012,913**
[13] A1
[51] **Int.Cl. A43B 7/00 (2006.01) A43B 3/00 (2006.01) A43B 7/02 (2006.01) A43B 13/18 (2006.01)**
[25] EN
[54] **FOOTWEAR HAVING MULTIPLE MASSAGE DEVICES AND METHOD**
[54] **CHAUSSURES AVEC DE MULTIPLES APPAREILS DE MASSAGE ET METHODE**
[72] NAIKER, ROHIT, CA
[71] NAIKER, ROHIT, CA
[22] 2018-07-31
[41] 2020-01-31

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[21] **3,012,924**
[13] A1
[51] **Int.Cl. H01S 5/0683 (2006.01) H01S 5/065 (2006.01) H01S 5/183 (2006.01)**
[25] EN
[54] **STABLE LINEWIDTH NARROWING OF A COHERENT COMB LASER**
[54] **RETRECISSEMENT STABLE DE LA LARGEUR SPECTRALE D`UN LASER A PEIGNE**
[72] LU, ZHENGUO, CA
[72] LIU, JIAREN, CA
[72] POOLE, PHILIP, CA
[72] SONG, CHUNYING, CA
[72] CHANG, SHOUDE, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[22] 2018-07-31
[41] 2020-01-31

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[21] **3,012,927**
[13] A1
[51] **Int.Cl. G06T 7/10 (2017.01) G06M 15/00 (2011.01) G06N 3/02 (2006.01)**
[25] EN
[54] **COUNTING OBJECTS IN IMAGES BASED ON APPROXIMATE LOCATIONS**
[54] **COMPTAGE D`OBJETS DANS DES IMAGES BASE SUR LEUR EMPLACEMENT APPROXIMATIF**
[72] LARADJI, ISSAM HADJ, CA
[72] OLIVEIRA PINHEIRO, PEDRO HENRIQUE, CA
[72] VAZQUEZ BERMUDEZ, DAVID MARIA, CA
[72] SCHMIDT, MARK WILLIAM, CA
[72] ROSTAMZADEH, NEGAR, CA
[71] ELEMENT AI INC., CA
[22] 2018-07-31
[41] 2020-01-31

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[21] **3,012,938**
[13] A1
[51] **Int.Cl. H01S 5/0683 (2006.01) H04B 10/2581 (2013.01) H01S 5/06 (2006.01) H01S 5/065 (2006.01) H01S 5/183 (2006.01)**
[25] EN
[54] **STABLE LINEWIDTH NARROWING OF A COHERENT COMB LASER**
[54] **RETRECISSEMENT STABLE DE LA LARGEUR SPECTRALE D`UN LASER A PEIGNE**
[72] LU, ZHENGUO, CA
[72] LIU, JIAREN, CA
[72] POOLE, PHILIP, CA
[72] SONG, CHUNYING, CA
[72] CHANG, SHOUDE, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[22] 2018-07-31
[41] 2020-01-31

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[21] **3,012,940**
[13] A1
[51] **Int.Cl. G01N 27/42 (2006.01)**
[25] EN
[54] **A BIOCAPACITIVE BOD SENSOR**
[54] **CAPTEUR BIOCAPACITIF DE DEMANDE BIOCHIMIQUE EN OXYGENE**
[72] LEE, HYUNG-SOOL, CA
[71] OZ OPTICS LTD., CA
[22] 2018-07-31
[41] 2020-01-31

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[21] **3,012,946**
[13] A1
[51] **Int.Cl. G02F 1/35 (2006.01) B82Y 20/00 (2011.01) G02B 6/024 (2006.01) H01S 5/00 (2006.01)**
[25] EN
[54] **FIBER-BASED BROADBAND POLARIZATION-ENTANGLED PHOTON SOURCE**
[54] **SOURCE PHOTONIQUE A POLARISATION INTRIGUEE A LARGE BANDE A FIBRE OPTIQUE**
[72] QIAN, LI, CA
[72] CHEN, CHANGJIA, CN
[72] RIAZI, ARASH, IR
[72] ZHU, ERIC Y., CA
[71] OZ OPTICS LTD., CA
[22] 2018-07-31
[41] 2020-01-31

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[21] **3,013,005**
[13] A1
[51] **Int.Cl. F24F 11/00 (2018.01) F24F 11/56 (2018.01) F24F 3/00 (2006.01) F24F 12/00 (2006.01)**
[25] EN
[54] **HEAT TRANSFER SYSTEM AND ENVIRONMENTAL CONTROL SYSTEM WITH HEAT TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE CHALEUR ET SYSTEME DE CONTROLE ENVIRONNEMENTAL AVEC SYSTEME DE TRANSFERT DE CHALEUR**
[72] CONRAD, WAYNE ERNEST, CA
[71] OMACHRON INTELLECTUAL PROPERTY INC., CA
[22] 2018-08-01
[41] 2020-02-01

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[21] **3,013,009**
[13] A1
[51] **Int.Cl. C02F 1/56 (2006.01) C02F 11/147 (2019.01) C02F 1/52 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING SUSPENSIONS OF SOLID PARTICLES IN WATER USING A BLEND OF TWO ANIONIC WATER-SOLUBLE POLYMERS**
[54] **PROCEDE POUR LE TRAITEMENT DE SUSPENSIONS DE PARTICULES SOLIDES DANS L`EAU A L`AIDE DE DEUX POLYMERES ANIONIQUES HYDROSOLUBLES**
[72] TIZZOTTI, MORGAN, FR
[72] TRONG, DAN-VU, FR
[72] THOMAS, KIRK, FR
[72] RAMEY, SCOTT, FR
[71] SNF HOLDING COMPANY, US
[71] SNF S.A., FR
[22] 2018-08-01
[41] 2020-02-01

[21] **3,013,010**
[13] A1
[51] **Int.Cl. A47B 96/06 (2006.01) A47B 57/00 (2006.01) A47B 57/42 (2006.01) A47B 96/14 (2006.01) B65D 25/10 (2006.01) B65D 90/00 (2006.01) B65G 1/00 (2006.01)**
[25] EN
[54] **STORAGE SYSTEM FOR A SHIPPING CONTAINER**
[54] **SYSTEME D`ENTREPOSAGE POUR CONTENEUR D`EXPEDITION**
[72] LUCHT, DUANE, CA
[71] LUCHT, DUANE, CA
[22] 2018-08-01
[41] 2020-02-01

[21] **3,013,163**
[13] A1
[51] **Int.Cl. G01N 3/20 (2006.01) E04G 21/32 (2006.01) E04H 17/22 (2006.01) G01N 3/02 (2006.01)**
[25] EN
[54] **STANCHION ANCHORAGE TESTING DEVICE FOR GUARDRAILS**
[54] **DISPOSITIF DE MISE A L`ESSAI D`ENCRAGE DE MONTANT POUR RAILS PROTECTEURS**
[72] KENT, TREVOR HOWARD, CA
[72] MARCHANT, CHRISTIAN ALEXANDER, CA
[71] THERMAL SYSTEMS KWC LTD., CA
[22] 2018-08-01
[41] 2020-02-01

[21] **3,013,174**
[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) G06Q 20/06 (2012.01)**
[25] EN
[54] **DYNAMIC GENERATION AND MANAGEMENT OF ASYMMETRIC CRYPTOGRAPHIC KEYS USING DISTRIBUTED LEDGERS**
[54] **CREATION ET GESTION DE CLES CRYPTOGRAPHIQUES ASYMETRIQUES PAR L`UTILISATION DE GRANDS LIVRES DISTRIBUES**
[72] SHPUROV, ALEXEY, CA
[72] LITANI, HELENA, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-08-02
[41] 2020-02-01
[30] US (16/052,162) 2018-08-01

[21] **3,013,484**
[13] A1
[51] **Int.Cl. H01L 33/50 (2010.01)**
[25] EN
[54] **ENCAPSULATING PACKAGE FOR WHITE LIGHT LED**
[54] **ENSEMBLE D`ENROBAGE POUR DEL A LUMIERE BLANCHE**
[72] WANG, TIEJUN, CN
[72] CAI, DENGKE, US
[71] WANG, TIEJUN, CN
[71] CAI, DENGKE, US
[22] 2018-08-07
[41] 2020-01-30
[30] US (16048507) 2018-07-30

[21] **3,014,613**
[13] A1
[51] **Int.Cl. B60R 3/00 (2006.01) B62D 25/22 (2006.01) B65G 69/24 (2006.01)**
[25] EN
[54] **MOUNTED RETRACTABLE CATWALK FOR TRUCKS, UTILITY, CONSTRUCTION, AND INDUSTRIAL VEHICLES AND EQUIPMENT**
[54] **PASSERELLE RETRACTABLE INSTALLEE DESTINEE A DES CAMIONS, DES VEHICULES UTILITAIRES, DES VEHICULES DE CONSTRUCTION ET DES VEHICULES ET EQUIPEMENTS INDUSTRIELS**
[72] OLIVER, FRED S., US
[72] BRUETT, MICHAEL R., US
[72] OLIVER, CHASE C., US
[72] WARD, LEE M., US
[71] ANDERSON & WOOD CONSTRUCTION CO., INC., US
[22] 2018-08-17
[41] 2020-02-01
[30] US (16/052,572) 2018-08-01

[21] **3,015,281**
[13] A1
[51] **Int.Cl. H04W 4/021 (2018.01)**
[25] EN
[54] **CACHEABLE GEOGRAPHIC PAGES**
[54] **PAGES GEOGRAPHIQUES STOCKABLES**
[72] STIRLING, ANDREW, AU
[71] BLUEDOT INNOVATION PTY LTD, AU
[22] 2018-08-23
[41] 2020-01-26
[30] AU (2018902716) 2018-07-26

[21] **3,028,474**
[13] A1
[51] **Int.Cl. D06N 3/14 (2006.01) B32B 27/04 (2006.01) B32B 27/12 (2006.01) B32B 37/02 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING WATER-SPUN NON-WOVEN FABRIC OF HYGROSCOPIC, BREATHABLE AND ANTIBACTERIAL POLYURETHANE SYNTHETIC LEATHER**
[54] **METHODE POUR PREPARER UN CUIR SYNTHETIQUE EN TISSU NON TISSE POLYURE THANE ANTIMICROBIEN RESPIRANT ET HYGROSCOPIQUE**
[72] UNKNOWN, XX
[71] ZHOU, LIANHUI, CN
[22] 2018-12-27
[41] 2020-01-29
[30] CN (2018108507506) 2018-07-29

[21] **3,029,662**
[13] A1
[51] **Int.Cl. B65D 1/34 (2006.01) A61B 50/33 (2016.01) A61J 1/00 (2006.01) B65D 1/22 (2006.01) B65D 1/36 (2006.01)**
[25] EN
[54] **DOSAGE MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DES DOSES**
[72] MOGILEFSKY, ARTHUR, US
[71] MOGILEFSKY, ARTHUR, US
[22] 2019-01-11
[41] 2020-01-30
[30] US (15/998,291) 2018-07-30

[21] **3,032,394**
[13] A1
[51] **Int.Cl. B62D 55/24 (2006.01)**
[25] EN
[54] **TRACK SYSTEM FOR TRACTION OF A VEHICLE**
[54] **SYSTEME DE CHENILLE POUR LA TRACTION D`UN VEHICULE**
[72] DANDURAND, JULES, CA
[72] LEVESQUE, ANDY, CA
[71] CAMSO INC., CA
[22] 2019-01-31
[41] 2020-01-26
[30] US (16/046,318) 2018-07-26

[21] **3,033,764**
[13] A1
[51] **Int.Cl. B60P 1/04 (2006.01)**
[25] EN
[54] **TRUCK SECURITY SYSTEMS AND RELATED METHODS**
[54] **SYSTEMES DE SECURITE POUR CAMIONS ET METHODES CONNEXES**
[72] LEMIEUX, THOMAS, CA
[71] GROUPE GYROTECH INC., CA
[22] 2019-02-14
[41] 2020-01-31
[30] US (62/764.360) 2018-07-31

[21] **3,037,137**
[13] A1
[51] **Int.Cl. G06Q 20/10 (2012.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SCHEDULING BUSINESS-TO-INDIVIDUAL PAYMENTS**
[54] **SYSTEMES ET METHODES POUR PLANIFIER DES PAIEMENTS D`UNE ENTREPRISE A UN PARTICULIER**
[72] CALINOG, MILLICENT, US
[72] CHOUANARD-MCADAM, PATRICIA J., US
[72] KALABOUKIS, CHRIS, US
[72] KUSHNER, KRISTINE ING., US
[72] MUNIR, MUHAMMAD FARUKH, US
[72] WILLIAMS, RAISSA, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-03-19
[41] 2020-01-30
[30] US (16/049,200) 2018-07-30

[21] **3,041,024**
[13] A1
[51] **Int.Cl. B61D 7/24 (2006.01) B61D 7/02 (2006.01) B65G 69/00 (2006.01) F16K 31/46 (2006.01) F16K 31/53 (2006.01)**
[25] EN
[54] **ADAPTER FOR BOTTOM OUTLET VALVE**
[54] **ADAPTATEUR DE CLAPET DE REFOULEMENT INFERIEUR**
[72] BOGUSKY, JAMES A., US
[72] CRISAFULLI, CHRISTOPHER, US
[72] NASH, SAMUEL, US
[72] SHAH, DIPEN K., US
[71] TRINITY RAIL GROUP, LLC, US
[22] 2019-04-24
[41] 2020-01-31
[30] US (16/051,085) 2018-07-31

[21] **3,042,930**
[13] A1
[51] **Int.Cl. A63C 11/22 (2006.01) H05B 1/02 (2006.01) H05B 3/54 (2006.01)**
[25] EN
[54] **HEATED HANDLE FOR SKI POLES**
[54] **POIGNEE CHAUFFANTE DES BATONS DE SKI**
[72] UNKNOWN, XX
[71] SPORT MAGNETUDE INC., CA
[22] 2019-05-10
[41] 2020-01-27
[30] US (62/711,460) 2018-07-27

[21] **3,043,418**
[13] A1
[51] **Int.Cl. H01Q 9/16 (2006.01) H01Q 1/36 (2006.01)**
[25] EN
[54] **ANTENNAS AND DEVICES, SYSTEMS, AND METHODS INCLUDING THE SAME**
[54] **ANTENNES ET DISPOSITIFS, SYSTEMES ET PROCEDES ASSOCIES**
[72] GORCEA, DAN, CA
[71] FLEX LTD., SG
[22] 2019-05-15
[41] 2020-01-31
[30] US (62/712,778) 2018-07-31

[21] **3,043,686**
[13] A1
[51] **Int.Cl. G01S 5/00 (2006.01) H04W 4/02 (2018.01) G01S 19/12 (2010.01) G01M 99/00 (2011.01) G06Q 50/10 (2012.01) H04N 13/204 (2018.01) G01H 17/00 (2006.01) G01M 7/02 (2006.01) G01V 1/00 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR AUGMENTED VIRTUAL MODELS AND ORIENTEERING**
[54] **METHODE ET APPAREIL POUR UNE ORIENTATION ET DES MODELES VIRTUELS ACCRUS**
[72] SANTARONE, MICHAEL S., US
[72] DUFF, JASON E., US
[72] WODRICH, MICHAEL A., US
[71] MIDDLE CHART, LLC, US
[22] 2019-05-17
[41] 2020-01-31
[30] US (62/712,714) 2018-07-31
[30] US (16/142,275) 2018-09-26

[21] **3,044,125**
[13] A1
[51] **Int.Cl. B29C 70/18 (2006.01) B21D 53/92 (2006.01) B26F 1/38 (2006.01) B32B 37/20 (2006.01)**
[25] EN
[54] **CONTINUOUS FABRICATION FOR COMPOSITE PREFORMS**
[54] **FABRICATION EN CONTINU DE PREFORMES COMPOSITES**
[72] BOLD, JENS, US
[71] THE BOEING COMPANY, US
[22] 2019-05-23
[41] 2020-01-26
[30] US (16/045982) 2018-07-26

[21] **3,044,218**
[13] A1
[51] **Int.Cl. B64F 1/12 (2006.01) B64C 39/02 (2006.01) B64D 1/22 (2006.01) B64D 9/00 (2006.01) B64F 1/32 (2006.01)**
[25] EN
[54] **VEHICLE DOCKING SYSTEMS, PAYLOAD TRANSFER SYSTEMS, AND RELATED METHODS**
[54] **SYSTEMES D'AMARRAGE DES VEHICULES, SYSTEMES DE TRANSFERT DE LA CHARGE UTILE ET PROCEDES CONNEXES**
[72] MARTENS, ERIC JOHN, US
[71] THE BOEING COMPANY, US
[22] 2019-05-23
[41] 2020-01-27
[30] US (16/047,966) 2018-07-27

[21] **3,044,409**
[13] A1
[51] **Int.Cl. B29C 73/06 (2006.01)**
[25] EN
[54] **LOCKING HOLE PLUG FOR SEALING HOLES IN COMPOSITE STRUCTURES**
[54] **BOUCHON DE TROUS DE BLOCAGE POUR SCELLER LES TROUS DANS DES STRUCTURES COMPOSITES**
[72] LEWIS, MELISSA H., US
[72] LEWIS, ARNE K., US
[72] BERTRAND, BLAKE A., US
[72] KRISHNASWAMY, PRADEEP, US
[72] YUKSELOGLU, BARIS, US
[71] THE BOEING COMPANY, US
[22] 2019-05-27
[41] 2020-01-30
[30] US (16/049317) 2018-07-30

[21] **3,044,454**
[13] A1
[51] **Int.Cl. H01M 2/34 (2006.01) H01M 10/44 (2006.01) H01M 10/48 (2006.01) H01M 10/0525 (2010.01)**
[25] EN
[54] **LI-ION BATTERY HIGH VOLTAGE DISTRIBUTION SYSTEM ARCHITECTURE**
[54] **ARCHITECTURE DU SYSTEME DE DISTRIBUTION HAUTE TENSION DE LA BATTERIE AU LITHIUM-ION**
[72] AIKENS, SHEVERRIA ANTONY, US
[72] BAREKATEIN, MEHDY, US
[72] BROWN, GLEN, US
[71] THE BOEING COMPANY, US
[22] 2019-05-28
[41] 2020-01-27
[30] US (16/047931) 2018-07-27

[21] **3,045,000**
[13] A1
[51] **Int.Cl. F16L 27/12 (2006.01) A46B 5/00 (2006.01) A46B 17/00 (2006.01) A47L 1/08 (2006.01) A47L 13/23 (2006.01) A47L 13/26 (2006.01) F16L 7/00 (2006.01) F16L 9/18 (2006.01)**
[25] EN
[54] **HOSE ACCESSORY**
[54] **ACCESSOIRE POUR TUYAU**
[72] POIRIER, ROBERT, US
[71] ROEMAR, INC., US
[22] 2019-05-31
[41] 2020-01-26
[30] US (62/703,541) 2018-07-26

[21] **3,046,521**
[13] A1
[51] **Int.Cl. A61K 31/4164 (2006.01) A61K 9/16 (2006.01) A61P 15/02 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **SECNIDAZOLE FOR USE IN THE TREATMENT OF BACTERIAL VAGINOSIS**
[54] **SECNIDAZOLE A UTILISER DANS LE TRAITEMENT DE VAGINOSE BACTERIENNE**
[72] PENTIKIS, HELEN S., US
[72] PALLING, DAVID, US
[72] BRAUN, CAROL J. (DECEASED), US
[72] HOLL, RICHARD, US
[71] SYMBIOMIX THERAPEUTICS, LLC, US
[22] 2019-06-13
[41] 2020-01-30
[30] US (16/049,032) 2018-07-30

[21] **3,046,526**
[13] A1
[51] **Int.Cl. F16B 37/14 (2006.01) B64C 1/12 (2006.01) B64C 3/26 (2006.01) B64D 45/02 (2006.01) H01R 4/70 (2006.01) H05C 1/00 (2006.01) H05K 9/00 (2006.01)**
[25] EN
[54] **ANCHORING BOLT HEAD FOR AN EME PROTECTION CAP SYSTEM**
[54] **TETE DE BOULON D`ANCRAGE POUR UN SYSTEME DE BOUCHON DE PROTECTION**
[72] AUFFINGER, SEAN, US
[72] STEVENS, BART, US
[72] MULLIGAN, BRANDON, US
[72] COWAN, DANIEL J., US
[71] THE BOEING COMPANY, US
[22] 2019-06-13
[41] 2020-01-26
[30] US (16/046316) 2018-07-26

[21] **3,047,255**
[13] A1
[51] **Int.Cl. A01B 76/00 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01) A01C 7/20 (2006.01) E06C 5/00 (2006.01) E06C 9/00 (2006.01)**
[25] EN
[54] **IMPLEMENT EQUIPMENT NOTIFICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE NOTIFICATION POUR LA MISE EN PLACE DE L`EQUIPEMENT**
[72] STUART, GRAHAM DOUGLAS, CA
[72] CHAHLEY, DENNIS WILLIAM, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2019-06-19
[41] 2020-02-01
[30] US (16/052,332) 2018-08-01

[21] **3,048,560**
[13] A1
[51] **Int.Cl. B24D 5/16 (2006.01) B24D 7/16 (2006.01)**
[25] EN
[54] **ABRASIVE GRINDING WHEEL AND RELATED PRODUCTION METHOD**
[54] **MEULE ABRASIVE ET METHODE DE PRODUCTION CONNEXE**
[72] FICAI, GIOVANNI, IT
[71] FICAI, GIOVANNI, IT
[22] 2019-07-03
[41] 2020-01-26
[30] IT (10 2018 000007516) 2018-07-26

[21] **3,048,590**
[13] A1
[51] **Int.Cl. F16K 1/42 (2006.01)**
[25] EN
[54] **VALVE SEATS AND VALVE ASSEMBLIES FOR FLUID END APPLICATIONS**
[54] **ASSEMBLAGES DE ROBINETS ET DE SIEGE DE CORPS AUX FINS D`APPLICATIONS A L`EXTREMITE FLUIDE**
[72] BARTKOWIAK, CARRIE, US
[72] BROSNAHAN, JOHN, US
[72] KELLY, MICHAEL, US
[72] STARK, ROGER M., US
[71] KENNAMETAL INC., US
[22] 2019-07-04
[41] 2020-01-31
[30] US (16/050909) 2018-07-31

[21] **3,048,750**
[13] A1
[51] **Int.Cl. E04C 5/03 (2006.01)**
[25] EN
[54] **REINFORCING BODY AND METHOD FOR ITS MANUFACTURING**
[54] **CORPS DE RENFORT ET METHODE DE FABRICATION**
[72] HINZEN, MARCUS, DE
[71] SOLIDIAN GMBH, DE
[22] 2019-07-08
[41] 2020-01-27
[30] EP (18186149.3) 2018-07-27

[21] **3,048,826**
[13] A1
[51] **Int.Cl. B65G 59/00 (2006.01)**
[25] EN
[54] **A DESTACKER APPARATUS**
[54] **APPAREIL DE DESEMPILEMENT**
[72] FILELLA, CARMINE, IT
[72] CASTELLI, MARCO, IT
[71] FIVES INTRALOGISTICS S.P.A. CON SOCIO UNICO, IT
[22] 2019-07-08
[41] 2020-01-30
[30] IT (102018000007630) 2018-07-30

[21] **3,049,071**
[13] A1
[51] **Int.Cl. B64C 25/10 (2006.01) B64C 25/18 (2006.01)**
[25] EN
[54] **LANDING GEAR SHRINK LINK MECHANISM**
[54] **MECANISME DE RETRACTION D`UN TRAIN D`ATTERRISSAGE**
[72] ALLEY, CHRISTOPHER M., US
[72] CAMPBELL, LEANNE M., US
[72] DEFRANCISCI, GABRIELA K., US
[72] VERING, GREGORY J., US
[72] KNOCK, AARON P., US
[72] MELLOR, MITCHELL, US
[72] COTTET, JUSTIN D., US
[71] THE BOEING COMPANY, US
[22] 2019-07-10
[41] 2020-01-30
[30] US (16/049090) 2018-07-30

[21] **3,049,332**
[13] A1
[51] **Int.Cl. B65B 57/00 (2006.01) G01N 21/90 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETECTING DEFECTS IN THE CLOSURE OF ENCAPSULATED VIALS**
[54] **METHODE ET APPAREIL POUR DETECTER LES DEFECTUOSITES DANS LA FERMETURE DE FIOLES ENCAPSULEES**
[72] BOIRA BONHORA, JORDI, ES
[72] ROURA SALIETTI, CARLOS, ES
[72] COCA GARROTE, JOSE, ES
[71] GRIFOLS WORLDWIDE OPERATIONS LIMITED, IE
[22] 2019-07-11
[41] 2020-01-30
[30] EP (18382571.0) 2018-07-30

[21] **3,049,363**
[13] A1
[51] **Int.Cl. C09K 8/588 (2006.01) C08L 33/26 (2006.01)**
[25] EN
[54] **COMPOSITION OF ORGANIC GEL FORMATIONS FOR ISOLATION OF HIGH TEMPERATURE AND SALINITY PETROLEUM RESERVOIR ZONES**
[54] **COMPOSITION DE FORMATIONS DE GEL ORGANIQUE POUR L`ISOLATION DE ZONES D`UN RESERVOIR DE PETROLE A TEMPERATURE ET A SALINITE ELEVEES**
[72] RAMIREZ SABAG, JETZABETH, MX
[72] ORTEGA RODRIGUEZ, ALEJANDRO, MX
[72] GARCIA MUNOZ, NORMA ARACELI, MX
[72] AMADOR RAMIREZ, MARIBEL, MX
[72] MEDINA MONTIEL, ANA PATRICIA, MX
[71] INSTITUTO MEXICANO DEL PETROLEO, MX
[22] 2019-07-09
[41] 2020-01-31
[30] MX (MX/A//2018/009309) 2018-07-31

[21] **3,049,596**
[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01) F25B 9/00 (2006.01)**
[25] EN
[54] **CO2 REFRIGERATION SYSTEM WITH HIGH PRESSURE VALVE CONTROL BASED ON COEFFICIENT OF PERFORMANCE**
[54] **SYSTEME DE REFRIGERATION CO2 A COMMANDE DE ROBINET A HAUTE PRESSION EN FONCTION D`UN COEFFICIENT DE RENDEMENT**
[72] KRISHNAMOORTHY, NARESH KUMAR, IN
[72] KHALED, NASSIM, IN
[71] HILL PHOENIX, INC., US
[22] 2019-07-15
[41] 2020-01-27
[30] US (62/711,056) 2018-07-27

[21] **3,049,895**
[13] A1
[51] **Int.Cl. B62D 53/08 (2006.01) B60D 1/58 (2006.01)**
[25] EN
[54] **COUPLING PLATE FOR A FIFTH WHEEL COUPLING**
[54] **PLAQUE DE SELLETTE D`ATTELAGE**
[72] POLTE, JENS, US
[72] ALGUERA, JOSE MANUEL, DE
[71] JOST-WERKE DEUTSCHLAND GMBH, DE
[22] 2019-07-16
[41] 2020-02-01
[30] DE (10 2018 118 656.8) 2018-08-01

[21] **3,050,161**
[13] A1
[51] **Int.Cl. B66B 7/08 (2006.01) B66B 5/02 (2006.01)**
[25] EN
[54] **WIRE ROPE COUPLING FOR ELEVATOR**
[54] **COUPLAGE DE CABLE METALLIQUE D~ASCENSEUR**
[72] GREEN, DILLARD HAIRSTON, US
[72] GUNTSCH, JOHANNES FRIEDRICH RICHARD, US
[71] DRAKA ELEVATOR PRODUCTS INC., US
[22] 2019-07-19
[41] 2020-01-31
[30] US (62/712,666) 2018-07-31

[21] **3,050,287**
[13] A1
[51] **Int.Cl. F02C 7/28 (2006.01) F01D 11/00 (2006.01)**
[25] EN
[54] **SPIGOT ASSEMBLY FOR ROTATING COMPONENTS**
[54] **ASSEMBLAGE DE BOUT UNI POUR COMPOSANTES ROTATIVES**
[72] COX, EDWARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-07-19
[41] 2020-01-31
[30] US (62/712,261) 2018-07-31
[30] US (16/128,950) 2018-09-12

[21] **3,050,398**
[13] A1
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 5/14 (2006.01) F01D 9/04 (2006.01)**
[25] EN
[54] **VANE SEGMENT WITH RIBS**
[54] **SEGMENT DA~~AUBE COMPORTANT DES NERVURES**
[72] TEBEKA, JONATHAN, CA
[72] DI PAOLA, FRANCO, CA
[72] GREWAL, JASROBIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-07-22
[41] 2020-01-27
[30] US (16/047,304) 2018-07-27

[21] **3,050,443**
[13] A1
[51] **Int.Cl. E05F 15/43 (2015.01) G08C 17/00 (2006.01)**
[25] EN
[54] **OBSTACLE DETECTION SYSTEMS AND METHODS**
[54] **SYSTA~MES ET MA~THODES DE DA~TECTION DA~~OBSTACLES**
[72] FITZGIBBON, JAMES J., US
[72] SKLODOWSKI, DAVID JOHN, US
[72] TANG, LEUNG YU, US
[71] THE CHAMBERLAIN GROUP, INC., US
[22] 2019-07-23
[41] 2020-01-27
[30] US (16/047,846) 2018-07-27

[21] **3,050,444**
[13] A1
[51] **Int.Cl. B61K 13/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR WHEEL-ASSEMBLY AND TRACTION-MOTOR CHANGE OUT**
[54] **APPAREIL ET METHODE DE CHANGEMENT D~UN ESSIEU MONTE ET D~UN MOTEUR DE TRACTION**
[72] MATTINSON, DAVID, CA
[72] WALSH, CHARLES, CA
[71] SECURE ENERGY(ONSITE SERVICES) INC., CA
[22] 2019-07-23
[41] 2020-01-26
[30] US (62/703,688) 2018-07-26

[21] **3,050,445**
[13] A1
[51] **Int.Cl. A61F 2/90 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF MANUFACTURING AND USING AN EXPANSION RING**
[54] **SYSTEMES ET METHODES DE FABRICATION ET D~UTILISATION D~UNE BAGUE DE DILATATION**
[72] PEDROSO, PEDRO, US
[72] KRIER, CHRISTOPHER, US
[71] DEPUY SYNTHES PRODUCTS, INC., US
[22] 2019-07-23
[41] 2020-01-30
[30] US (62/711,775) 2018-07-30

[21] **3,050,458**
[13] A1
[51] **Int.Cl. B02C 1/02 (2006.01) B02C 1/10 (2006.01)**
[25] EN
[54] **CLAMPING TOOL FOR A JAW CRUSHER**
[54] **OUTIL DE SERRAGE POUR UN BROYEUR A~ MA~CHOIRES**
[72] SPROULE, PHILLIP, GB
[71] TEREX GB LIMITED, GB
[22] 2019-07-23
[41] 2020-01-27
[30] GB (1812319.0) 2018-07-27

[21] **3,050,467**
[13] A1
[51] **Int.Cl. B25C 1/04 (2006.01) B25C 5/13 (2006.01)**
[25] EN
[54] **PNEUMATIC TOOL**
[54] **OUTIL PNEUMATIQUE**
[72] TAN, YING XIANG, CN
[72] ZHOU, JIN LIN, CN
[72] LIN, HAI LING, CN
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
[22] 2019-07-24
[41] 2020-01-26
[30] CN (201810834474.4) 2018-07-26

[21] **3,050,474**
[13] A1
[51] **Int.Cl. E04G 11/48 (2006.01) E04G 11/38 (2006.01)**
[25] EN
[54] **MOUNTING HEAD WITH ANCHORING CROSS-MEMBER AND CEILING FORMWORK SYSTEM CONNECTED THERETO**
[54] **TA~TE DE FIXATION AYANT UNE TRAVERSE DA~~ANCRAGE ET UN SYSTA~ME DE COFFRAGE DE PLAFOND QUI SA~~Y ATTACHE**
[72] RAUDIES, THOMAS, DE
[72] HABERLE, WILFRIED, DE
[72] DIETRICH, STEFANIE, DE
[72] EPPELT, GISBERT, DE
[71] PERI GMBH, DE
[22] 2019-07-24
[41] 2020-01-27
[30] DE (10 2018 118 230.9) 2018-07-27

[21] **3,050,476**
[13] A1
[51] **Int.Cl. E05C 17/02 (2006.01)**
[25] EN
[54] **PROTRACTING BLOCKER FOR DOORS EQUIPPED WITH A CLOSER PISTON**
[54] **BLOQUEUR PROTUBERANT DE PORTES DOTEES D~UN PISTON DE FERMETURE**
[72] RIOUX, ALAIN, CA
[72] GOSSELIN, KEVIN, CA
[71] RIOUX, ALAIN, CA
[71] GOSSELIN, KEVIN, CA
[22] 2019-08-23
[41] 2020-01-26
[30] GB (1812227.5) 2018-07-26

[21] **3,050,486**
[13] A1
[51] **Int.Cl. H01H 47/22 (2006.01) G05F 1/445 (2006.01) H01F 5/00 (2006.01)**
[25] EN
[54] **METHOD, CONTROLLER AND SYSTEM FOR REGULATING A CURRENT OF A COIL**
[54] **MA~THODE, COMMANDE ET SYSTA~ME DE RA~GULATION DA~~UN COURANT DANS UNE BOBINE**
[72] QUI, JIAN, CN
[72] BI, BAOYUN, CN
[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[22] 2019-07-24
[41] 2020-01-27
[30] CN (20180848144.0) 2018-07-27

[21] **3,050,498**
[13] A1
[51] **Int.Cl. H02G 3/14 (2006.01) H01R 13/502 (2006.01)**
[25] EN
[54] **SOCKET COVER, SOCKET ASSEMBLY AND ASSOCIATED MANUFACTURING METHOD**
[54] **COUVRE-PRISE ELECTRIQUE, ASSEMBLAGE DE PRISE ELECTRIQUE ET METHODE DE FABRICATION CONNEXE**
[72] ZHANG, DAHAI, CN
[72] MA, ZHEN, CN
[72] SHANG, PEI, CN
[71] SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD., AU
[22] 2019-07-24
[41] 2020-01-31
[30] US (16/050,273) 2018-07-31

[21] **3,050,499**
[13] A1
[51] **Int.Cl. H02G 3/14 (2006.01) H01H 3/12 (2006.01)**
[25] EN
[54] **SWITCH PANEL ASSEMBLY, SWITCH ASSEMBLY AND ASSOCIATED MANUFACTURING METHOD**
[54] **ASSEMBLAGE DE PANNEAU DE COMMUTATION, ASSEMBLAGE DE COMMUTATEUR ET METHODE DE FABRICATION CONNEXE**
[72] ZHANG, DAHAI, CN
[72] MA, ZHEN, CN
[72] SHANG, PEI, CN
[71] SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD., AU
[22] 2019-07-24
[41] 2020-01-31
[30] US (16/050524) 2018-07-31

[21] **3,050,522**
[13] A1
[51] **Int.Cl. E06B 7/16 (2006.01) E06B 1/36 (2006.01)**
[25] EN
[54] **MALE AND FEMALE GASKET COUPLING FOR A WINDOW FRAME**
[54] **RACCORD DE JOINTS MA~LE ET FEMELLE POUR UN CADRE DE FENA~TRE**
[72] KOSTER, NORMAN, CA
[72] FORGIONE, ANGELO, CA
[71] MATREX WINDOW SYSTEM INC., CA
[22] 2019-07-23
[41] 2020-01-26
[30] US (16/046,226) 2018-07-26
[30] US (16/046,317) 2018-07-26
[30] US (16/046,333) 2018-07-26
[30] US (16/046,357) 2018-07-26
[30] US (16/046,375) 2018-07-26

[21] **3,050,527**
[13] A1
[51] **Int.Cl. B66C 23/38 (2006.01) B60L 50/60 (2019.01) B66F 9/075 (2006.01)**
[25] EN
[54] **IMPROVED ELECTRIC TELEHANDLER**
[54] **CHARIOT TA~LESCOPIQUE A~LECTRIQUE AMA~LIORA~**
[72] IOTTI, MARCO, IT
[71] MANITOU ITALIA S.R.L., IT
[22] 2019-07-24
[41] 2020-01-27
[30] IT (102018000007590) 2018-07-27
[30] IT (102019000004917) 2019-04-02

[21] **3,050,555**
[13] A1
[51] **Int.Cl. H02H 5/00 (2006.01) F02B 63/04 (2006.01) F02D 29/06 (2006.01) F02D 41/22 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **CARBON MONOXIDE SHUTOFF SYSTEM FOR ELECTRIC GENERATOR**
[54] **SYSTA~ME DA~~ARRA~T DE MONOXYDE DE CARBONE POUR GA~NA~RATRICE**
[72] SARDER, MARK, US
[72] KASTNER, MARK, US
[72] ZHONG, ZHIKUN, US
[72] DEHN, JAMES, US
[72] SATO, HIROAKI, US
[71] CHAMPION POWER EQUIPMENT, INC., US
[22] 2019-07-25
[41] 2020-01-27
[30] US (62/711,329) 2018-07-27
[30] US (16/122,337) 2018-09-05

[21] **3,050,559**
[13] A1
[51] **Int.Cl. A61B 5/04 (2006.01) A61B 5/00 (2006.01) A61B 5/042 (2006.01)**
[25] EN
[54] **DUAL FREQUENCY CONTROL FOR A PHYSIOLOGIC MONITOR**
[54] **COMMANDE A DOUBLE FREQUENCE D~UN APPAREIL DE MONITORAGE PHYSIOLOGIQUE**
[72] GOVARI, ASSAF, IL
[72] EPHRATH, YARON, IL
[72] ATLMANN, ANDRES CLAUDIO, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-07-25
[41] 2020-01-30
[30] US (16/048,542) 2018-07-30

[21] **3,050,561**
[13] A1
[51] **Int.Cl. F16C 43/02 (2006.01) B29D 33/00 (2010.01) F16C 33/08 (2006.01) F16C 33/14 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A ROTOR UNIT**
[54] **METHODE DE PRODUCTION D~UNE UNITE DE ROTOR**
[72] BITTENDORF, TOBIAS, DE
[72] WEIK, MICHAEL, DE
[71] SCHUNK KOHLENSTOFFTECHNIK GMBH, DE
[22] 2019-07-25
[41] 2020-01-30
[30] DE (10 2018 118 341.0) 2018-07-30

[21] **3,050,562**
[13] A1
[51] **Int.Cl. E21B 29/00 (2006.01) E21B 31/03 (2006.01)**
[25] EN
[54] **OBJECT REMOVAL ENHANCEMENT ARRANGEMENT AND METHOD**
[54] **SYSTA~ME ET MA~THODE DA~~AMA~LIORATION DE LA~~A~LIMINATION DA~~UN OBJET**
[72] XU, YINGQING, US
[72] JOHNSON, MICHAEL, US
[72] STONE, MATTHEW, US
[72] ANDREW, COLIN, US
[72] XU, ZHIYUE, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[22] 2019-07-25
[41] 2020-01-26
[30] US (16/046823) 2018-07-26

[21] **3,050,563**
[13] A1
[51] **Int.Cl. F17D 5/00 (2006.01)**
[25] EN
[54] **PIPELINE PROTECTION AND LEVELING DEVICE**
[54] **APPAREIL DE NIVELAGE ET DE PROTECTION D~UN PIPELINE**
[72] EDWARDS, ALLAN JOHN, US
[71] EDWARDS, ALLAN JOHN, US
[22] 2019-07-25
[41] 2020-01-31
[30] US (62/712,484) 2018-07-31
[30] US (16/517,825) 2019-07-22

[21] **3,050,568**
[13] A1
[51] **Int.Cl. C25B 15/02 (2006.01) A61M 99/00 (2012.01) A61M 11/00 (2006.01) A61M 16/10 (2006.01) C25B 1/04 (2006.01) C25B 15/08 (2006.01) C01B 3/00 (2006.01)**
[25] EN
[54] **HYDROGEN GENERATOR COOPERATING WITH CLOUD MONITORING SYSTEM AND CLOUD MONITORING SYSTEM THEREOF**
[54] **GA~NA~RATEUR DA~~HYDROGA~NE EN COMMUNICATION AVEC UN SYSTA~ME DE SURVEILLANCE INFONUAGIQUE ET LEDIT SYSTA~ME**
[72] LIN, HSIN-YUNG, CN
[71] LIN, HSIN-YUNG, CN
[22] 2019-07-25
[41] 2020-01-26
[30] CN (201810830469.6) 2018-07-26

[21] **3,050,570**
[13] A1
[51] **Int.Cl. B60P 7/13 (2006.01) B60P 7/08 (2006.01)**
[25] EN
[54] **ADAPTER AND BOLSTERS FOR TRANSPORTING A CONTAINER**
[54] **ADAPTATEUR ET TRAVERSES POUR LE TRANSPORT DA~~UN CONTENEUR**
[72] BOLTON, BART, US
[72] PEACOCK, ALLEN, US
[72] HENDRICKS, JAMES ANDREW, US
[72] PAINTER, HAROLD, US
[71] FONTAINE TRAILER COMPANY LLC, US
[22] 2019-07-25
[41] 2020-01-27
[30] US (62/711,293) 2018-07-27
[30] US (16/520,063) 2019-07-23

[21] **3,050,590**
[13] A1
[51] **Int.Cl. A61K 31/4545 (2006.01) A61K 31/138 (2006.01) A61K 31/381 (2006.01) A61K 31/4453 (2006.01) A61K 31/5375 (2006.01) A61K 31/55 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **NOVEL COMBINATIONS OF A H3 ANTAGONIST AND A NORADRENALINE REUPTAKE INHIBITOR, AND THE THERAPEUTICAL USES THEREOF**
[54] **NOUVEAUX MA~LANGES DA~~UN ANTAGONISTE H3 ET DA~~UN INHIBITEUR DE LA RECAPTURE DE LA NORADRA~NALINE, ET LEURS UTILISATIONS THA~RAPEUTIQUES**
[72] LIGNEAU, XAVIER, FR
[72] LANDAIS, LAURENT, FR
[72] PERRIN, DAVID, FR
[72] LECOMTE, JEANNE MARIE, FR
[72] SCHWARTZ, JEAN CHARLES, FR
[71] BIOPROJET, FR
[22] 2019-07-24
[41] 2020-01-27
[30] EP (18306017.7) 2018-07-27

[21] **3,050,591**
[13] A1
[51] **Int.Cl. A61B 5/026 (2006.01) G16H 30/40 (2018.01) A61B 6/03 (2006.01)**
[25] EN
[54] **MYOCARDIAL BLOOD FLOW WITH RELIABILITY FEATURE**
[54] **DEBIT SANGUIN MYOCARDIQUE ET INDICATEUR DE FIABILITE**
[72] SAILLANT, ANTOINE, US
[72] CHAPPELL, MICHAEL, GB
[72] SHAH, VIJAY, US
[71] SIEMENS MEDICAL SOLUTIONS USA, INC., US
[71] UNIVERSITY OF OXFORD, GB
[22] 2019-07-25
[41] 2020-01-27
[30] US (16/047381) 2018-07-27

[21] **3,050,594**
[13] A1
[51] **Int.Cl. G06F 21/10 (2013.01)**
[25] EN
[54] **DIGITAL RIGHTS MANAGEMENT INTERFACE**
[54] **INTERFACE DE GESTION DES DROITS NUMERIQUES**
[72] KOLEV, NIKOLA, US
[72] PARK, KYONG, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-07-25
[41] 2020-01-27
[30] US (16/047,964) 2018-07-27

[21] **3,050,645**
[13] A1
[51] **Int.Cl. A61K 31/451 (2006.01) A61P 35/02 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **TREATMENT OF ACUTE MYELOID LEUKEMIA**
[54] **TRAITEMENT DE LA LEUCEMIE MYELOBLASTIQUE AIGUE**
[72] STANFORD, WILLIAM, CA
[72] ITO, CARYN, CA
[72] SABLOFF, MITCHELL, CA
[72] MAGANTI, HARINAD BABU, CA
[72] JRADE, HANI, CA
[72] ATKINS, HAROLD, CA
[71] OTTAWA HOSPITAL RESEARCH INSTITUTE, CA
[22] 2019-07-26
[41] 2020-01-27
[30] US (62/711,173) 2018-07-27

[21] **3,050,648**
[13] A1
[51] **Int.Cl. A01D 91/04 (2006.01) A23L 33/105 (2016.01) A01D 45/00 (2018.01) A01D 46/02 (2006.01) B07B 1/28 (2006.01) C11B 1/02 (2006.01) C11B 1/10 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR HARVESTING TRICHOMES FROM CANNABIS PLANTS**
[54] **MA~THODE ET APPAREIL DE RA~COLTE DE TRICHOMES DE PLANTS DE CANNABIS**
[72] HIMES, MICHAEL ROBERT, US
[72] BENDER, ERIC CHARLES, US
[72] LANHAM, MARK WAYNE, US
[72] SHLANTA, ANDREW VINCENT, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2019-07-26
[41] 2020-01-26
[30] US (16/516,130) 2019-07-18
[30] US (62/703,589) 2018-07-26

[21] **3,050,652**
[13] A1
[51] **Int.Cl. H02G 1/04 (2006.01)**
[25] EN
[54] **CABLE BLOCK**
[54] **POULIE A CABLE**
[72] BOUCHARD, GUILLAUME, CA
[71] JPF TELEBLOC INC., CA
[22] 2019-07-26
[41] 2020-01-27
[30] US (62/711.222) 2018-07-27

[21] **3,050,653**
[13] A1
[51] **Int.Cl. G16H 50/50 (2018.01) A61B 5/0402 (2006.01) G06N 3/02 (2006.01) G06N 3/08 (2006.01) G06T 17/00 (2006.01) A61B 5/107 (2006.01)**
[25] EN
[54] **LEFT ATRIUM SHAPE RECONSTRUCTION FROM SPARSE LOCATION MEASUREMENTS USING NEURAL NETWORKS**
[54] **RECONSTITUTION D~UNE FORME D~OREILLETTE GAUCHE A PARTIR DE MESURES DE L~EMPLACEMENT RARES AU MOYEN DE RESEAUX NEURONAUX**
[72] BARAM, ALON, IL
[72] BAR-TAL, MEIR, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-07-26
[41] 2020-01-30
[30] US (62/711,814) 2018-07-30
[30] US (16/459,760) 2019-07-02

[21] **3,050,654**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **REDUCING DEMURRAGE COSTS**
[54] **REDUCTION DES FRAIS DE SURESTARIES**
[72] ZUBERI, BILAL MUSTAFA, US
[72] LEACH, DONALD, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[22] 2019-07-26
[41] 2020-01-27
[30] US (62/711302) 2018-07-27

[21] **3,050,676**
[13] A1
[51] **Int.Cl. H04W 72/10 (2009.01) H04W 76/15 (2018.01)**
[25] EN
[54] **SSID BROADCAST MANAGEMENT TO SUPPORT PRIORITY OF BROADCAST**
[54] **GESTION DE LA DIFFUSION DU SSID POUR SOUTENIR LA PRIORITE DE DIFFUSION**
[72] ONG, IVAN, US
[72] SANDERSON, PHILLIP A., US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-07-26
[41] 2020-01-27
[30] US (16/047,448) 2018-07-27

[21] **3,050,678**
[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/14 (2006.01)**
[25] EN
[54] **OBJECT SEAT AND METHOD**
[54] **SIEGE A OBJET ET METHODE**
[72] XU, YINGQING, US
[72] JOHNSON, MICHAEL, US
[72] STONE, MATTHEW, US
[72] ANDREW, COLIN, US
[72] XU, ZHIYUE, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[22] 2019-07-26
[41] 2020-01-27
[30] US (16/047923) 2018-07-27

[21] **3,050,697**
[13] A1
[51] **Int.Cl. G06F 21/32 (2013.01) G06F 16/903 (2019.01) H04L 9/32 (2006.01)**
[25] EN
[54] **BIOMETRIC ONE TOUCH SYSTEM**
[54] **SYSTEME BIOMETRIQUE A ACTION UNIQUE**
[72] BERMUDEZ, SOPHIE, US
[72] SHAH, SALIK, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-07-29
[41] 2020-01-31
[30] US (16/049,896) 2018-07-31

[21] **3,050,719**
[13] A1
[51] **Int.Cl. B29C 33/00 (2006.01)**
[25] EN
[54] **MOULDING SYSTEM WITH ALIGNMENT MONITORING SYSTEM**
[54] **SYSTEME DE MOULAGE DOTE D~UN SYSTEME DE SURVEILLANCE DE L~ALIGNEMENT**
[72] GIRAULT, PASCAL, FR
[72] MAUNOURY, LAURENT, FR
[72] DEL NEVO, MAURIZIO, FR
[71] ERMO SAS, FR
[22] 2019-07-29
[41] 2020-02-01
[30] FR (FR1870890) 2018-08-01

[21] **3,050,757**
[13] A1
[51] **Int.Cl. G07D 13/00 (2006.01)**
[25] EN
[54] **MACHINE FOR DEPOSITING AND DISPENSING COINS**
[54] **MACHINE POUR LE DEPOT ET LA DISTRIBUTION DE PIECES**
[72] RAZZABONI, NICOLETTA, IT
[72] RAZZABONI, VITTORIO, IT
[71] CIMA S.P.A., IT
[22] 2019-07-26
[41] 2020-01-30
[30] IT (102018000007620) 2018-07-30
[30] IT (102018000010640) 2018-11-28

[21] **3,050,758**
[13] A1
[51] **Int.Cl. C01G 49/12 (2006.01) C01G 49/00 (2006.01) C02F 1/00 (2006.01) C02F 1/70 (2006.01)**
[25] EN
[54] **SULFIDATED NANOSCALE ZEROVALENT IRON AND METHOD OF USE THEREOF**
[54] **FER ZA~ROVALENT SULFURA~ A~ LA~~A~CHELLE NANOMA~TRIQUE ET MA~THODE DA~~UTILISATION**
[72] BHATTACHARJEE, SOURJYA, CA
[72] GHOSHAL, SUBHASIS, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSIT, CA
[22] 2019-07-26
[41] 2020-01-26
[30] US (62/703,610) 2018-07-26

[21] **3,050,760**
[13] A1
[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **DUAL MODE PAYMENT AND DISPLAY SYSTEM**
[54] **SYSTA~ME DE VISUALISATION ET DE PAIEMENT BIMODE**
[72] ABRAMS, JACOB WHITAKER, US
[72] RAJAGOPAL, NAGALAKSHMI, US
[71] CLOVER NETWORK, INC., US
[22] 2019-07-26
[41] 2020-01-26
[30] US (16/046,001) 2018-07-26

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[21] **3,050,761**
[13] A1
[51] **Int.Cl. A61K 31/795 (2006.01) A23K 20/10 (2016.01) A23L 33/10 (2016.01) A61P 3/10 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **METHOD AND USE OF COMPOSITIONS COMPRISING LIGNOSULFONATE AND SUBSTANTIALLY FREE OF ELEMENTAL SULPHUR FOR PATHOGENIC ATTENUATION**
[54] **MA~THODE ET UTILISATION DE COMPOSITIONS COMPRENANT UN LIGNOSULFONATE ET ESSENTIELLEMENT LIBRE DE SOUFRE A~LA~MENTAIRE AUX FINS DA~~ATTA~NUATION PATHOGA~NE**
[72] WALKER, RALPH, CA
[71] ATTENUBIOTICS INC., CA
[22] 2019-07-26
[41] 2020-01-26
[30] US (62/703755) 2018-07-26

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[21] **3,050,762**
[13] A1
[51] **Int.Cl. H04W 4/30 (2018.01) G08C 17/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REMOTE POWER TOOL DEVICE CONTROL**
[54] **SYSTEMES ET METHODES DE COMMANDE A DISTANCE D~UN OUTIL ELECTRIQUE**
[72] HUGGINS, MARK, US
[72] ROWE, TYLER J., US
[72] BRYAN, FREDERICK, US
[72] STOKES, MARK K., US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
[22] 2019-07-29
[41] 2020-01-31
[30] US (62/712,473) 2018-07-31

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[21] **3,050,766**
[13] A1
[51] **Int.Cl. A47K 10/38 (2006.01) B65H 19/10 (2006.01)**
[25] EN
[54] **DISPENSER AND METHOD FOR DISPENSING PORTIONS OF A CONTINUOUS WEB OF TISSUE FROM A TISSUE ROLL**
[54] **DISTRIBUTEUR ET METHODE DE DISTRIBUTION DE PARTIES D~UNE TOILE CONTINUE DE PAPIER A PARTIR D~UN ROULEAU DE PAPIER**
[72] ZIMMERMANN, CHRISTOPH, DE
[72] RUECKHEIM, MARKUS, DE
[71] CWS-BOCO INTERNATIONAL GMBH, DE
[22] 2019-07-26
[41] 2020-01-30
[30] EP (18186332.5) 2018-07-30

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[21] **3,050,767**
[13] A1
[51] **Int.Cl. A47K 10/38 (2006.01) B65H 16/06 (2006.01)**
[25] EN
[54] **HOLDING ARRANGEMENT AND METHOD FOR HOLDING A TISSUE ROLL IN A DISPENSER, AND DISPENSER**
[54] **MECANISME ET METHODE DE SUPPORT D~UN ROULEAU DE PAPIER DANS UN DISTRIBUTEUR, ET LEDIT DISTRIBUTEUR**
[72] ZIMMERMANN, CHRISTOPH, DE
[72] RUCKHEIM, MARKUS, DE
[71] CWS-BOCO INTERNATIONAL GMBH, DE
[22] 2019-07-26
[41] 2020-01-30
[30] EP (18186308.5) 2018-07-30

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[21] **3,050,772**
[13] A1
[51] **Int.Cl. C09K 3/00 (2006.01) A01N 65/16 (2009.01) A01N 65/22 (2009.01) A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01N 31/02 (2006.01) A01P 1/00 (2006.01) A61K 9/107 (2006.01) A61P 33/14 (2006.01) B01F 3/08 (2006.01) C09K 3/22 (2006.01) C11D 3/48 (2006.01)**
[25] EN
[54] **ALL PURPOSE CLEANER, DISINFECTANT, DUST SUPPRESSANT, BIOAEROSOL PARTICLE REMOVER, AND PESTICIDE MICROEMULSION FORMULATION AND METHOD OF USE**
[54] **NETTOYANT TOUT USAGE, DESINFECTANT, DEPOUSSIERANT, ELIMINATEUR DE PARTICULES BIOAEROSOLES, FORMULATION DE MICROEMULSION PESTICIDE ET METHODE D~UTILISATION**
[72] BOND, JERRY R., US
[71] BOND, JERRY R., US
[22] 2019-07-29
[41] 2020-01-30
[30] US (62/711785) 2018-07-30
[30] US (16/520681) 2019-07-24

[21] **3,050,775**
[13] A1
[51] **Int.Cl. H05K 7/02 (2006.01) H05K 5/02 (2006.01)**
[25] EN
[54] **DEVICE MOUNTING APPARATUS, KITS, METHODS, AND SYSTEMS**
[54] **APPAREILS, ENSEMBLES, METHODES ET SYSTEMES DE FIXATION D~UN DISPOSITIF**
[72] CHEN, HONG, CA
[72] CHENG, NATHAN, CA
[72] FENG, CINDI, CA
[72] GUCKEL, CHRISTIAN, CA
[72] HAMMERSLEY, DONOVAN, CA
[72] LEE, BALIN, CA
[72] SUN, YIN FUN (EVA), CA
[72] ZHANG, KAI, CA
[71] PRIMEX MANUFACTURING LTD., CA
[22] 2019-07-26
[41] 2020-01-27
[30] US (62/711,472) 2018-07-27

[21] **3,050,777**
[13] A1
[51] **Int.Cl. C09B 11/28 (2006.01) C09K 11/06 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING FLUORESCEIN QUINOID FORM**
[54] **PROCEDE DE PREPARATION D~UNE FORME QUINOIDE FLUORESCEINE**
[72] TESSON, NICOLAS, ES
[72] BUGAN, EDUARD, ES
[72] SPASSOVA, NADEJDA, ES
[72] MENARD, ALAIN, CA
[71] DELMAR CHEMICALS INC., CA
[22] 2019-07-29
[41] 2020-02-01
[30] EP (18186849) 2018-08-01

[21] **3,050,786**
[13] A1
[51] **Int.Cl. A61M 16/04 (2006.01)**
[25] EN
[54] **ENDOTRACHEAL INTUBATION DEVICE**
[54] **APPAREIL D~INTUBATION ENDOTRACHEALE**
[72] JENKYN, THOMAS, CA
[72] PARKES, STEPHEN, CA
[71] JENKYN, THOMAS, CA
[71] PARKES, STEPHEN, CA
[22] 2019-07-30
[41] 2020-01-30
[30] US (62/712,168) 2018-07-30

[21] **3,050,797**
[13] A1
[51] **Int.Cl. E05B 63/00 (2006.01) E05B 17/20 (2006.01)**
[25] EN
[54] **LOCK ASSEMBLY ON A SECURITY DOOR**
[54] **ENSEMBLE DE SERRURE SUR PORTE DE SECURITE**
[72] BERGER, MARK J., US
[71] SECURITECH GROUP, INC., US
[22] 2019-07-30
[41] 2020-01-30
[30] US (62/712,000) 2018-07-30

[21] **3,050,880**
[13] A1
[51] **Int.Cl. B65B 1/30 (2006.01) A61J 7/00 (2006.01) B65B 5/10 (2006.01) G06K 9/46 (2006.01)**
[25] EN
[54] **VISUAL ANALYSIS PILL DISPENSER**
[54] **ANALYSE VISUELLE DE LA DISTRIBUTION DE PILULES**
[72] SWARVAR, AARON C., US
[72] DENT, JACOB A., US
[71] ARXIUM, INC., US
[22] 2019-07-30
[41] 2020-01-30
[30] US (62/711,960) 2018-07-30

[21] **3,050,881**
[13] A1
[51] **Int.Cl. G01R 21/133 (2006.01) G01R 21/14 (2006.01) G01R 35/00 (2006.01)**
[25] EN
[54] **METHODS OF CALCULATING POWER INPUT AND ELECTRICAL POWER SYSTEMS UTILIZING SAME**
[54] **PROCEDES DE CALCUL DE L~APPORT D~ENERGIE ET SYSTEMES D~ALIMENTATION ELECTRIQUE SELON CES PROCEDES**
[72] JOHNSEN, ANDREW, US
[72] BEHJATI, HAMID, US
[71] OSRAM SYLVANIA INC., US
[22] 2019-07-30
[41] 2020-02-01
[30] US (16/052,328) 2018-08-01

[21] **3,050,893**
[13] A1
[51] **Int.Cl. A47L 25/00 (2006.01) A47J 37/07 (2006.01) A47L 17/06 (2006.01)**
[25] EN
[54] **ADJUSTABLE GRILL GRATE SCRAPER**
[54] **GRATTOIR AJUSTABLE A GRILLE DE GRIL**
[72] UNKNOWN, XX
[71] DUGUAY, IRMA M., CA
[22] 2019-07-31
[41] 2020-01-31
[30] US (62712940) 2018-07-31
[30] CA (3015630) 2018-08-28

[21] **3,050,895**
[13] A1
[51] **Int.Cl. F24F 5/00 (2006.01) F24D 7/00 (2006.01) F24D 15/04 (2006.01)**
[25] EN
[54] **SINGLE-PIPE THERMAL ENERGY SYSTEM**
[54] **SYSTEME D~ENERGIE THERMIQUE A CONDUITE UNIQUE**
[72] ESLAMI-NEJAD, PARHAM, CA
[72] BASTANI, ARASH, CA
[72] GIGUERE, DANIEL, CA
[71] HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTEOF NATURAL RESOURCES CANADA, CA
[22] 2019-07-31
[41] 2020-01-31
[30] US (62/712,602) 2018-07-31

[21] **3,050,901**
[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01)**
[25] EN
[54] **LATERALLY SHIFTABLE PLOW**
[54] **CHARRUE POUVANT ETRE DEPLACEE LATERALEMENT**
[72] KRAUS, KORY, US
[71] CIVES CORPORATION, US
[22] 2019-07-31
[41] 2020-02-01
[30] US (16/051918) 2018-08-01

[21] **3,050,934**
[13] A1
[51] **Int.Cl. A01G 9/20 (2006.01) F21V 21/15 (2006.01) F21V 21/30 (2006.01) H02G 3/04 (2006.01) F21V 14/02 (2006.01)**
[25] EN
[54] **LUMINAIRE HAVING A CABLEWAY**
[54] **LUMINAIRE AYANT UN CABLAGE**
[72] SCHMIDT, JONATHAN BECKER, US
[72] FRAME, KENNETH B., US
[72] VAN DER SCHYF, MARTHINUS CHRISTOFFEL, US
[71] FLUENCE BIOENGINEERING, INC., US
[22] 2019-07-31
[41] 2020-02-01
[30] US (62/713,258) 2018-08-01
[30] US (16/523,589) 2019-07-26

[21] **3,050,935**
[13] A1
[51] **Int.Cl. E05D 7/00 (2006.01) A01G 9/20 (2006.01) E05D 11/08 (2006.01) F21V 21/30 (2006.01) F21K 9/00 (2016.01)**
[25] EN
[54] **HINGE FOR A LUMINAIRE**
[54] **CHARNIERE POUR UN LUMINAIRE**
[72] FRAME, KENNETH B., US
[72] SCHMIDT, JONATHAN BECKER, US
[72] VAN DER SCHYF, MARTHINUS CHRISTOFFEL, US
[71] FLUENCE BIOENGINEERING, INC., US
[22] 2019-07-31
[41] 2020-02-01
[30] US (62/713,258) 2018-08-01
[30] US (16/523,591) 2019-07-26

[21] **3,050,937**
[13] A1
[51] **Int.Cl. F21V 21/30 (2006.01) A01G 9/20 (2006.01) E05D 3/00 (2006.01) F21V 14/02 (2006.01) F21V 21/15 (2006.01) F21K 9/00 (2016.01) F21S 4/28 (2016.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COLLAPSIBLE LIGHTING FIXTURES**
[54] **SYSTEMES ET PROCEDES D~APPAREILS D~ECLAIRAGE REPLIABLES**
[72] FRAME, KENNETH B., US
[72] SCHMIDT, JONATHAN BECKER, US
[72] VAN DER SCHYF, MARTHINUS CHRISTOFFEL, US
[71] FLUENCE BIOENGINEERING, INC., US
[22] 2019-07-31
[41] 2020-02-01
[30] US (62/713,258) 2018-08-01
[30] US (16/523,423) 2019-07-26

[21] **3,050,943**
[13] A1
[51] **Int.Cl. C22B 7/00 (2006.01) C21C 7/06 (2006.01) C22C 3/00 (2006.01) C22C 21/00 (2006.01) C22F 1/04 (2006.01) C22B 21/00 (2006.01)**
[25] EN
[54] **RECYCLED ALUMINUM ROD**
[54] **TIGE D~ALUMINIUM RECYCLE**
[72] LUMA, DENNIS B., US
[71] SUPERIOR ALUMINUM ALLOYS, LLC, US
[22] 2019-07-31
[41] 2020-01-31
[30] US (62/712,564) 2018-07-31

[21] **3,050,945**
[13] A1
[51] **Int.Cl. E04F 11/02 (2006.01) E04F 11/032 (2006.01)**
[25] FR
[54] **STAIR CREATED THROUGH 3D PRINTING OF A CEMENTING MATERIAL**
[54] **ESCALIER REALISE PAR IMPRESSION 3D D'UN MATERIAU CIMENTAIRE**
[72] ARRONDEAU, YOAN, FR
[72] DA COSTA, PHILIPPE, FR
[72] FONT, EMMANUELLE, FR
[72] TUAL, EMMANUEL, FR
[72] ALEXANDER, FABRICE, FR
[72] DENIAU, ROMUALD, FR
[72] GHEDIN, OLIVIER, FR
[72] LIM, SERGE, FR
[72] COSTA, CHRISTOPHE, FR
[72] LENORMAND, VIRGINIE, FR
[72] DEMONTFAUCON, LAURENT, FR
[72] TEMPEZ, THIERRY, FR
[72] COUQUE, PIERRE, FR
[71] VINCI CONSTRUCTION, FR
[22] 2019-07-30
[41] 2020-01-30
[30] FR (18 57 101) 2018-07-30

[21] **3,050,957**
[13] A1
[51] **Int.Cl. B61B 12/00 (2006.01) B61B 7/00 (2006.01) B61B 10/02 (2006.01)**
[25] EN
[54] **CABLE TRANSPORTATION SYSTEM**
[54] **SYSTEME DE TRANSPORT PAR CABLE**
[72] WIESER, HARTMUT, IT
[72] PECHLANER, ALEXANDER, IT
[72] FONTANA, STEFANO, IT
[71] LEITNER S.P.A., IT
[22] 2019-07-30
[41] 2020-01-31
[30] IT (102018000007692) 2018-07-31

[21] **3,050,960**
[13] A1
[51] **Int.Cl. A01N 61/00 (2006.01) A01N 43/90 (2006.01) A01P 21/00 (2006.01) C05F 11/10 (2006.01)**
[25] EN
[54] **IMPROVED PLANT GROWTH REGULATOR COMPOSITIONS AND METHODS OF USING SAME**
[54] **COMPOSITIONS AMELIOREES D~UN REGULATEUR DE CROISSANCE DES PLANTES ET METHODES D~UTILISATION**
[72] JONES, MARCUS, US
[71] WINFIELD SOLUTIONS, LLC, US
[22] 2019-07-31
[41] 2020-01-31
[30] US (62/712,641) 2018-07-31

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[21] **3,050,983**
[13] A1
[51] **Int.Cl. E06B 9/18 (2006.01) E06B 9/174 (2006.01)**
[25] EN
[54] **ROLLER ASSEMBLY FOR SLIDING SECURITY GRILLES**
[54] **ENSEMBLE ROULEAU POUR LES GRILLES DE SECURITE MOBILES**
[72] ALEXIADIS, PETER JAMES, CA
[72] WANG, SHANGFENG, CA
[71] ALEXIADIS, PETER JAMES, CA
[71] WANG, SHANGFENG, CA
[22] 2019-08-01
[41] 2020-02-01
[30] US (62/713,405) 2018-08-01

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[21] **3,051,031**
[13] A1
[51] **Int.Cl. H04N 19/136 (2014.01) H04N 19/182 (2014.01) H04N 19/186 (2014.01)**
[25] EN
[54] **SYSTEMS, METHODS AND APPARATUSES FOR VIDEO PROCESSING**
[54] **SYSTEMES, PROCEDES ET APPAREILS DESTINES AU TRAITEMENT DE VIDEOS**
[72] BAY, DOUGLAS, US
[72] LEACH, DAVID, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-07-31
[41] 2020-02-01
[30] US (16/051,808) 2018-08-01

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[21] **3,058,220**
[13] A1
[51] **Int.Cl. F16L 59/10 (2006.01) F16L 55/00 (2006.01) F16L 59/18 (2006.01)**
[25] EN
[54] **A CLAMP COVER AND METHOD OF USE**
[54] **COUVRE-COLLIER DE SERRAGE ET METHODE D'UTILISATION**
[72] BRIGHAM, GRAHAM, CA
[71] BRIGHAM, GRAHAM, CA
[22] 2019-10-10
[41] 2020-01-27

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[21] **3,060,799**
[13] A1
[51] **Int.Cl. A45C 11/00 (2006.01) A45C 1/06 (2006.01) A45C 11/14 (2006.01) B65D 85/00 (2006.01)**
[25] EN
[54] **PACKAGING INSERT**
[54] **PIA~CE DA~~EMBALLAGE**
[72] WHITEHURST, DANE, GB
[71] BURGOPAK LIMITED, GB
[22] 2019-10-31
[41] 2020-01-30
[30] GB (1903460.2) 2019-03-13

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **3,034,902**
[13] A1
[51] **Int.Cl. G01F 23/00 (2006.01) G01F 23/32 (2006.01) G01F 23/38 (2006.01)**
[25] EN
[54] **LIQUID LEVEL GAUGE WITH REMOVABLE INDICATOR ASSEMBLY**
[54]
[72] LEASE, BENJAMIN, US
[72] ROSS, HERBERT G., JR., US
[72] HRNCIR, ROBERT, US
[71] ROCHESTER GAUGES, INC, US
[85] 2019-12-20
[86] 2018-11-11 (PCT/US2018/060231)
[87] (3034902)
[30] US (15/934,049) 2018-03-23

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[21] **3,046,444**
[13] A1
[51] **Int.Cl. F16C 17/02 (2006.01) E21B 17/08 (2006.01) E21B 17/10 (2006.01) F16C 33/04 (2006.01)**
[25] EN
[54] **RADIAL BEARING APPARATUS FOR USE WITH SIDE FORCES**
[54] **APPAREIL DE ROULEMENT RADIAL DESTINE A DES FORCES LATERALES**
[72] GHARIB, HOSSAM, CA
[72] BELL, STEVEN GRAHAM, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-07-09
[86] 2018-11-09 (PCT/CA2018/051426)
[87] (3046444)
[30] US (62/711,314) 2018-07-27

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[21] **3,050,149**
[13] A1
[51] **Int.Cl. C12N 9/00 (2006.01) C12N 1/21 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01) C12P 19/32 (2006.01)**
[25] EN
[54] **NOVEL ADENYLOSUCCINATE SYNTHETASE AND METHOD FOR PRODUCING PURINE NUCLEOTIDES USING THE SAME**
[54] **ADENYLOSUCCINATE SYNTHETASE NOVATRICE ET METHODE DE PRODUCTION DE NUCLEOTIDES DE PURINE L'EMPLOYANT**
[72] BAEK, MIN JI, KR
[72] LEE, JI HYE, KR
[72] PARK, SO-JUNG, KR
[72] BAE, JEE YEON, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2019-07-17
[86] 2018-08-23 (PCT/KR2018/009714)
[87] (3050149)
[30] KR (10-2018-0089855) 2018-08-01

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[21] **3,050,897**
[13] A1
[51] **Int.Cl. E04G 11/00 (2006.01) E04B 2/86 (2006.01) E04G 11/08 (2006.01)**
[25] EN
[54] **TRC FOLDED ASSEMBLE TYPE PERMANENT FORMWORK AND MANUFACTURING METHOD THEREOF**
[54]
[72] YIN, SHIPING, CN
[72] LI, SHICHANG, CN
[72] WANG, FEI, CN
[72] WANG, CONGCONG, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2019-07-31
[86] 2018-10-08 (PCT/CN2018/109226)
[87] (3050897)
[30] CN (201810427319.0) 2018-05-07

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[21] **3,051,217**
[13] A1
[25] EN
[54] **NOVEL 5'-INOSINIC ACID DEHYDROGENASE AND METHOD OF PREPARING 5'-INOSINIC ACID USING THE SAME**
[54] **DESHYDROGENASE D'ACIDE 5'-INOSINIQUE NOVATRICE ET METHODE DE PREPARATIONDE L'ACIDE 5'-INOSINIQUE A L'AIDE DE LADITE PREPARATION**
[72] LEE, JI HYE, KR
[72] PARK, SO-JUNG, KR
[72] BAEK, MIN JI, KR
[72] CHANG, JIN SOOK, KR
[72] YOON, BYOUNG HOON, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2019-08-06
[86] 2018-08-16 (PCT/KR2018/009378)
[87] (3051217)
[30] KR (10-2018-0087597) 2018-07-27

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[21] **3,054,041**
[13] A1
[51] **Int.Cl. E21C 41/28 (2006.01)**
[25] EN
[54] **METHOD FOR RECOVERING ROOM-TYPE COAL PILLARS BY CEMENTED FILLING OF RESERVED ROADWAYS**
[54]
[72] ZHOU, NAN, CN
[72] LI, MENG, CN
[72] YAN, HAO, CN
[72] ZHANG, JIXIONG, CN
[72] LIU, HENGFENG, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2020-01-17
[86] 2018-09-20 (PCT/CN2018/106591)
[87] (3054041)
[30] CN (201810744190.6) 2018-07-09

[21] **3,055,321**
[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 7/027 (2019.01) B32B 37/15 (2006.01) B65D 65/40 (2006.01) B65D 75/30 (2006.01)**
[25] EN
[54] **RECYCLABLE PACKAGING LAMINATE WITH IMPROVED HEAT RESISTANCE FOR SEALING**
[54]
[72] LAMTIGUI, THAMI, DE
[72] GREFENSTEIN, ACHIM, DE
[71] CONSTANTIA PIRK GMBH & CO. KG, DE
[85] 2020-01-17
[86] 2019-06-19 (PCT/EP2019/066275)
[87] (3055321)
[30] AT (A50500/2018) 2018-06-21

[21] **3,058,250**
[13] A1
[51] **Int.Cl. A61K 31/19 (2006.01) A61K 31/40 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **STATIN FOR PREVENTION/REDUCTION OF ISCHEMIA-RELATED DAMAGE**
[54] **STATINE POUR LA PREVENTION/LA REDUCTION D'UNE LESION LIEE A UNE ISCHEMIE**
[72] BADIMON MAESTRO, LINA, ES
[72] VILAHUR GARCIA, GEMMA, ES
[71] FUNDACIO INSTITUT DE RECERCA DE L'HOSPITAL DE LA SANTA CREU I SANT PAU, ES
[71] GENDIAG, S.L., ES
[85] 2019-09-25
[86] 2018-03-29 (PCT/EP2018/058158)
[87] (WO2018/178275)
[30] EP (17164137.6) 2017-03-31
[30] ES (P201730736) 2017-05-26

[21] **3,059,773**
[13] A1
[51] **Int.Cl. C07D 471/18 (2006.01) A61K 31/439 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR TREATING BACTERIAL INFECTIONS**
[54] **COMPOSES ET METHODES DE TRAITEMENT D'INFECTIONS BACTERIENNES**
[72] COMITA-PREVOIR, JANELLE, US
[72] DURAND-REVILLE, THOMAS FRANCOIS, US
[72] GULER, SATENIG, US
[72] ROMERO, JAN, US
[72] SYLVESTER, MARK, US
[72] TOMMASI, RUBEN, US
[72] VELEZ-VEGA, CAMILO, US
[72] WU, XIAOYUN, US
[72] ZHANG, JING, US
[71] ENTASIS THERAPEUTICS, INC., US
[85] 2019-10-10
[86] 2018-05-08 (PCT/US2018/031593)
[87] (WO2018/208769)
[30] US (62/502,867) 2017-05-08

[21] **3,060,031**
[13] A1
[51] **Int.Cl. A01G 9/02 (2018.01) A01G 31/02 (2006.01)**
[25] EN
[54] **SINGLE-PIECE FLOATING TRAY FOR HYDROPONIC CULTIVATION**
[54] **PLATEAU FLOTTANT MONOBLOC POUR CULTURE HYDROPONIQUE**
[72] GHIRLANDA, DAMIANO, IT
[72] GHIRLANDA, MARTINO, IT
[71] GHIRLANDA, DAMIANO, IT
[71] GHIRLANDA, MARTINO, IT
[85] 2019-10-15
[86] 2018-04-24 (PCT/IB2018/052857)
[87] (WO2018/198035)
[30] IT (102017000045518) 2017-04-27

[21] **3,060,036**
[13] A1
[51] **Int.Cl. B23K 35/363 (2006.01) H05K 3/34 (2006.01) B23K 35/26 (2006.01) C22C 13/00 (2006.01)**
[25] EN
[54] **FLUX COMPOSITION, SOLDER PASTE COMPOSITION, AND SOLDER JOINT**
[54] **COMPOSITION DE FLUX, COMPOSITION DE PATE A SOUDER ET JOINT DE SOUDURE**
[72] NONAKA, TOMOKO, JP
[72] NAGAI, TOMOKO, JP
[71] SENJU METAL INDUSTRY CO., LTD., JP
[85] 2019-10-15
[86] 2018-04-12 (PCT/JP2018/015366)
[87] (WO2018/193960)
[30] JP (2017-081369) 2017-04-17

[21] **3,060,037**
[13] A1
[51] **Int.Cl. C08B 15/06 (2006.01) C08B 7/00 (2006.01) C08B 5/00 (2006.01)**
[25] EN
[54] **FINE CELLULOSE FIBER AND METHOD FOR PRODUCING SAME**
[54] **FIBRE CELLULOSIQUE FINE ET METHODE DE PRODUCTION ASSOCIEE**
[72] MATSUSUE, IKKO, JP
[71] DAIO PAPER CORPORATION, JP
[85] 2019-10-15
[86] 2018-05-08 (PCT/JP2018/017728)
[87] (WO2018/212012)
[30] JP (2017-096471) 2017-05-15

[21] **3,063,203**
[13] A1
[25] EN
[54] **DOWNLOAD SYSTEM OF APP, DETERMINATION METHOD OF INSTALLATION TYPE AND STORAGE MEDIUM**
[54] **SYSTEME DE TELECHARGEMENT D'APPLICATIONS, PROCEDE DE DETERMINATION DU TYPE D'INSTALLATION ET SUPPORT DE STOCKAGE**
[72] ZHANG, YONGWEI, CN
[72] YANG, CONGAN, CN
[72] ZHANG, YUPING, CN
[71] BEIJING DIGITAL UNION WEB SCIENCE AND TECHNOLOGY COMPANY LIMITED, CN
[85] 2019-11-28
[86] 2019-11-15 (PCT/CN2019/118625)
[87] (3063203)
[30] CN (201811497021.3) 2018-12-07

[21] **3,063,297**
[13] A1
[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/00 (2006.01) A61B 5/16 (2006.01) A61B 5/18 (2006.01)**
[25] EN
[54] **PULSE WAVE DEVICE AND METHOD OF DISCRIMINATING AND QUANTIFYING FATIGUE**
[54] **DISPOSITIF D'ONDES DE POULS ET PROCEDE DE DISCRIMINATION ET DE QUANTIFICATION DE FATIGUE**
[72] DENNIS, JOHN, CH
[72] NILCHIAN, MASIH, CH
[71] MY-VITALITY SARL, CH
[85] 2019-11-12
[86] 2018-05-17 (PCT/EP2018/063023)
[87] (WO2018/211052)
[30] EP (17171597.2) 2017-05-17

[21] **3,064,226**
[13] A1
[25] EN
[54] **DEEP LEARNING-BASED FRAMEWORK FOR IDENTIFYING SEQUENCE PATTERNS THAT CAUSE SEQUENCE-SPECIFIC ERRORS (SSES)**
[54]
[72] KASHEFHAGHIGHI, DORNA, US
[72] KIA, AMIRALI, US
[72] FARH, KAI-HOW, US
[71] ILLUMINA, INC, US
[85] 2019-12-09
[86] 2019-07-09 (PCT/US2019/041078)
[87] (3064226)
[30] US (62/696,699) 2018-07-11
[30] NL (2021473) 2018-08-16
[30] US (16/505,100) 2019-07-08

[21] **3,065,027**
[13] A1
[25] EN
[54] **DEVICE FOR LUMINESCENT IMAGING**
[54]
[72] YUAN, DAJUN, US
[72] QIANG, LIANGLIANG, US
[72] GUO, MINGHAO, US
[71] ILLUMINA, INC., US
[85] 2019-12-13
[86] 2019-06-12 (PCT/US2019/036853)
[87] (3065027)
[30] US (62/684,907) 2018-06-14
[30] NL (N2021258) 2018-07-05

[21] **3,065,029**
[13] A1
[25] EN
[54] **PREDICTING STRUCTURED ILLUMINATION PARAMETERS**
[54]
[72] CARNEY, MICHAEL J., US
[72] HONG, STANLEY S., US
[72] LANGLOIS, ROBERT, US
[72] REN, HONGJI, US
[72] BARTIG, KEVIN WAYNE, US
[72] OTTO, RICO, US
[72] SOUVERNEVA, OLGA ANDREEVNA, US
[71] ILLUMINA, INC, US
[85] 2019-12-13
[86] 2019-06-20 (PCT/US2019/038293)
[87] (3065029)
[30] US (62/692,303) 2018-06-29

[21] **3,068,461**
[13] A1
[51] **Int.Cl. C12N 1/16 (2006.01) C12N 15/09 (2006.01) C12N 15/63 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **ENGINEERED MICROORGANISMS FOR ENHANCED USE OF OLIGOSACCHARIDES**
[54] **MICROORGANISMES MODIFIES EN VUE D'UNE UTILISATION AMELIOREE DES OLIGOSACCHARIDES**
[72] CHOMVONG, KULIKA, US
[72] CATE, JAMES HARRISON DOUDNA, US
[72] JIN, YONG-SU, US
[71] ZIMITECH, INC., US
[85] 2019-12-23
[86] 2018-06-29 (PCT/US2018/040351)
[87] (WO2019/006341)
[30] US (62/527,182) 2017-06-30

[21] **3,068,464**
[13] A1
[51] **Int.Cl. A61B 50/36 (2016.01) A61B 50/37 (2016.01) A61B 50/39 (2016.01) A61M 5/32 (2006.01) B09B 3/00 (2006.01) B65F 1/14 (2006.01) B65F 1/16 (2006.01)**
[25] EN
[54] **WASTE DISPOSAL SYSTEM AND WASTE RECEIVER FOR RECEIVING AND DISPOSING OF PHARMACEUTICAL WASTE MATERIAL**
[54] **SYSTEME D'ELIMINATION DE DECHETS ET RECEPTEUR DE DECHETS POUR LA RECEPTION ET L'ELIMINATION DE MATERIAU DE DECHETS PHARMACEUTIQUES**
[72] VANDERWOUDE, BRIAN, US
[72] MANESS, DAVID A., US
[72] ULMER, BRYAN, US
[72] MEYER, DENNIS, US
[72] WADE, LUCAS, US
[72] MYERS, STEPHEN, US
[72] CASTILLO, LOGAN, US
[72] BENOIT, HEATHER, US
[71] STRYKER CORPORATION, US
[85] 2019-12-23
[86] 2018-06-29 (PCT/US2018/040359)
[87] (WO2019/006346)
[30] US (62/527,544) 2017-06-30

[21] **3,068,468**
[13] A1
[51] **Int.Cl. C12P 7/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ON-SITE LIQUID ALCOHOL PRODUCTION FROM CARBON DIOXIDE**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION D'ALCOOL LIQUIDE SUR SITE A PARTIR DE DIOXYDE DE CARBONE**
[72] SHEEHAN, STAFFORD WHEELER, US
[71] AIR COMPANY HOLDINGS, INC., US
[85] 2019-12-23
[86] 2018-06-29 (PCT/US2018/040442)
[87] (WO2019/010095)
[30] US (62/528,044) 2017-07-01
[30] US (62/630,919) 2018-02-15

[21] **3,068,538**
[13] A1
[51] **Int.Cl. B29C 51/26 (2006.01) B29C 51/22 (2006.01) B29C 51/42 (2006.01) B29C 51/44 (2006.01) B29C 71/00 (2006.01)**
[25] EN
[54] **METHOD FOR CRYSTALLIZATION OF A FILM, METHOD AND DEVICE FOR SHAPING A FILM, AND SYSTEM FOR PRODUCING PRODUCTS FROM A THERMOPLASTIC FILM MATERIAL**
[54] **PROCEDE POUR LA CRISTALLISATION D'UN FILM, PROCEDE ET DISPOSITIF POUR LA MISE EN FORME D'UN FILM AINSI QU'INSTALLATION POUR LA FABRICATION DE PRODUITS EN MATERIAU DE FILM THERMOPLASTIQUE**
[72] WABNIG, ERWIN, DE
[72] WIESER, GERHARD, DE
[72] SCHUTZINGER, STEFAN, DE
[71] KIEFEL GMBH, DE
[85] 2019-12-24
[86] 2018-06-28 (PCT/DE2018/000198)
[87] (WO2019/001603)
[30] DE (10 2017 006 182.3) 2017-06-30

[21] **3,068,539**
[13] A1
[51] **Int.Cl. E04G 9/00 (2006.01) F03D 13/10 (2016.01) F03D 13/20 (2016.01) B28B 7/00 (2006.01) E04G 11/06 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A CONCRETE FORMWORK FOR A TOWER SEGMENT, AND METHOD FOR PRODUCING A TOWER SEGMENT FOR A TOWER OF A WIND TURBINE**
[54] **PROCEDE POUR PRODUIRE UN COFFRAGE A BETON POUR UN SEGMENT DE MAT ET PROCEDE POUR PRODUIRE UN SEGMENT DE MAT POUR UN MAT D'UNE EOLIENNE**
[72] MEYER, INGO, DE
[72] ALBERS, KARSTEN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2019-12-24
[86] 2018-07-06 (PCT/EP2018/068359)
[87] (WO2019/008135)
[30] DE (10 2017 115 141.9) 2017-07-06

[21] **3,068,541**
[13] A1
[51] **Int.Cl. C10B 31/00 (2006.01) C10B 47/00 (2006.01) C10B 53/00 (2006.01) C10J 3/50 (2006.01) F23G 5/44 (2006.01)**
[25] EN
[54] **FEED DEVICE AND FEED METHOD FOR A PYROLYSIS APPARATUS**
[54] **DISPOSITIF D'ALIMENTATION D'UN APPAREIL DE PYROLYSE ET PROCEDE D'ALIMENTATION**
[72] PAJALA, TOMMI, FI
[72] VANTTINEN, JUHANI, FI
[71] ECOMATION OY, FI
[85] 2019-12-24
[86] 2018-06-28 (PCT/FI2018/000016)
[87] (WO2019/002661)
[30] FI (20170097) 2017-06-28

[21] **3,068,542**
[13] A1
[51] **Int.Cl. D21H 21/02 (2006.01) D21C 9/08 (2006.01) D21H 21/28 (2006.01) D21H 23/78 (2006.01)**
[25] EN
[54] **PULP QUALITY MONITORING**
[54] **SURVEILLANCE DE LA QUALITE D'UNE PATE A PAPIER**
[72] PIIRONEN, MARJATTA, FI
[72] JOENSUU, IIRIS, FI
[72] VAHASALO, LARI, FI
[71] KEMIRA OYJ, FI
[85] 2019-12-24
[86] 2018-07-02 (PCT/FI2018/050526)
[87] (WO2019/002699)
[30] FI (20175630) 2017-06-30

[21] **3,068,545**
[13] A1
[51] **Int.Cl. G06K 19/02 (2006.01) G07C 9/00 (2006.01) H04L 29/06 (2006.01) G06F 21/32 (2013.01)**
[25] EN
[54] **USER AUTHENTICATION BASED ON RFID-ENABLED IDENTITY DOCUMENT AND GESTURE CHALLENGE-RESPONSE PROTOCOL**
[54] **AUTHENTIFICATION D'UTILISATEUR BASEE SUR UN DOCUMENT D'IDENTITE ACTIVE PAR RFID ET UN PROTOCOLE D'INTERROGATION-REPONSE PAR GESTE**
[72] LANDROCK, MORTEN, GB
[72] ALLEN, CHRISTOPHER, GB
[71] CRYPTOMATHIC LTD, GB
[85] 2019-12-24
[86] 2018-06-22 (PCT/GB2018/051761)
[87] (WO2019/002832)
[30] GB (1710504.0) 2017-06-30

[21] **3,068,605**
[13] A1
[51] **Int.Cl. A01N 25/02 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **ENHANCEMENT OF SOIL CHARACTERISTICS WITH LACTOBIONATE COMPOUNDS**
[54] **AMELIORATION DE CARACTERISTIQUES DE SOL AVEC DES COMPOSES LACTOBIONATE**
[72] MERRILL, RICHARD K., US
[71] LEPRINO FOODS COMPANY, US
[85] 2019-12-27
[86] 2018-06-29 (PCT/US2018/040364)
[87] (WO2019/014001)
[30] US (62/530,402) 2017-07-10

[21] **3,068,609**
[13] A1
[51] **Int.Cl. A61K 31/404 (2006.01) A61K 9/00 (2006.01) A61K 31/4439 (2006.01) A61K 31/47 (2006.01) A61K 45/06 (2006.01) A61P 1/00 (2006.01) A61P 1/16 (2006.01) A61P 1/18 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF CYSTIC FIBROSIS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA FIBROSE KYSTIQUE**
[72] CHU, CATHY, US
[72] DOKOU, ELENI, US
[72] HASELTINE, ERIC L., US
[72] MOSKOWITZ, SAMUEL, US
[72] OVERHOFF, KIRK A., US
[72] ROBERTSON, SARAH, US
[72] WALTZ, DAVID, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2019-12-27
[86] 2018-06-29 (PCT/US2018/040427)
[87] (WO2019/010092)
[30] US (62/528,072) 2017-07-01
[30] US (62/533,396) 2017-07-17
[30] US (62/633,171) 2018-02-21

[21] **3,068,622**
[13] A1
[51] **Int.Cl. B01D 15/34 (2006.01) B01D 15/36 (2006.01) B01D 61/38 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **AAV VECTOR COLUMN PURIFICATION METHODS**
[54] **METHODE DE PURIFICATION DE COLONNE DE VECTEUR AAV**
[72] OH, YOUNGHOON, US
[72] QU, GUANG, US
[71] SPARK THERAPEUTICS, INC., US
[85] 2019-12-27
[86] 2018-06-29 (PCT/US2018/040430)
[87] (WO2019/006390)
[30] US (62/527,633) 2017-06-30
[30] US (62/531,744) 2017-07-12
[30] US (62/567,905) 2017-10-04

[21] **3,068,626**
[13] A1
[51] **Int.Cl. B64D 23/00 (2006.01) A63G 31/00 (2006.01) G01M 9/04 (2006.01)**
[25] EN
[54] **BODY FLIGHT SIMULATOR**
[54] **SIMULATEUR DE VOL CORPOREL**
[72] ARIAS, A, US
[71] ARIAS, A, US
[85] 2019-12-27
[86] 2018-06-30 (PCT/US2018/040503)
[87] (WO2019/006429)
[30] US (62/527,052) 2017-06-30

[21] **3,068,628**
[13] A1
[51] **Int.Cl. A61F 2/06 (2013.01)**
[25] EN
[54] **VASCULAR GRAFT PROTECTOR**
[54] **PROTECTEUR DE GREFFE VASCULAIRE**
[72] LYNCH, BRYAN E., US
[72] SWAIN, FREDERICK D., US
[71] RELIANTHEART, INC., US
[85] 2019-12-27
[86] 2018-06-30 (PCT/US2018/040522)
[87] (WO2019/006439)
[30] US (62/527,790) 2017-06-30

[21] **3,068,649**
[13] A1
[51] **Int.Cl. H01M 10/44 (2006.01) B60L 53/80 (2019.01) B60K 1/04 (2019.01) H01M 2/10 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **BATTERY EXCHANGE PROGRAM USING UNIVERSAL RECHARGEABLE BATTERIES, FITTING BATTERY CASES, BATTERY PACKS, MINI RACK AND RACK SYSTEMS ALONG WITH GPS TRACKING FOR BATTERY EXCHANGE STATIONS**
[54] **PROGRAMME D'ECHANGE DE BATTERIE UTILISANT DES BATTERIES RECHARGEABLES UNIVERSELLES, DES BOITIERS DE BATTERIE D'INSERTION, DES BLOCS-BATTERIES, DES SYSTEMES DE MINI-BATI ET DE BATIET UN SUIVI GPS POUR STATIONS D'ECHANGE DE BATTERIE**
[72] BALASINGHAM, MOHANADAS, AU
[71] BALASINGHAM, MOHANADAS, AU
[85] 2019-12-30
[86] 2018-05-03 (PCT/IB2018/053086)
[87] (WO2019/025876)
[30] US (62/538,696) 2017-07-29

[21] **3,068,659**
[13] A1
[51] **Int.Cl. H04N 13/327 (2018.01) G02B 27/01 (2006.01)**
[25] EN
[54] **AUGMENTED REALITY DISPLAYS WITH ACTIVE ALIGNMENT AND CORRESPONDING METHODS**
[54] **AFFICHAGES A REALITE AUGMENTEE A ALIGNEMENT ACTIF ET PROCEDES CORRESPONDANTS**
[72] DANZIGER, YOCHAY, IL
[71] LUMUS LTD., IL
[85] 2019-12-30
[86] 2019-01-02 (PCT/IB2019/050014)
[87] (WO2019/135169)
[30] US (62/612,740) 2018-01-02

[21] **3,068,660**
[13] A1
[51] **Int.Cl. C10M 129/54 (2006.01)**
[25] EN
[54] **LUBRICATING OIL MAGNESIUM DETERGENTS AND METHOD OF MAKING AND USING SAME**
[54] **DETERGENTS A BASE DE MAGNESIUM POUR HUILE LUBRIFIANTE ET PROCEDE DE FABRICATION ET D'UTILISATION DE CES DETERGENTS**
[72] BOFFA, ALEXANDER BOWMAN, US
[72] WARD, JACOB DANIEL, US
[72] LE DEORE, CHRISTOPHE P., FR
[72] MILLER, BRENDAN P., US
[72] CAMPBELL, CURTIS BAY, US
[71] CHEVRON ORONITE COMPANY LLC, US
[71] CHEVRON ORONITE SAS, FR
[85] 2019-12-30
[86] 2018-06-28 (PCT/IB2018/054803)
[87] (WO2019/003176)
[30] US (62/527,152) 2017-06-30

[21] **3,068,664**
[13] A1
[51] **Int.Cl. C10M 129/54 (2006.01)**
[25] EN
[54] **LUBRICATING ENGINE OIL COMPOSITIONS CONTAINING DETERGENT COMPOUNDS**
[54] **COMPOSITIONS D'HUILE LUBRIFIANTE POUR MOTEUR CONTENANT DES COMPOSES DETERGENTS**
[72] BOFFA, ALEXANDER BOWMAN, US
[72] HARTGERS, WALTER ALEXANDER, NL
[72] HOSSEINI, SEYEDEH MAHBOOBEH, US
[72] WARD, JACOB DANIEL, US
[72] LE DEORE, CHRISTOPHE P., FR
[72] MILLER, BRENDAN P., US
[72] TU, XIAOMIN HELEN, US
[72] CAMPBELL, CURTIS BAY, US
[72] LI, YUE-RONG, US
[71] CHEVRON ORONITE COMPANY LLC, US
[71] CHEVRON ORONITE TECHNOLOGY B.V., NL
[71] CHEVRON ORONITE SAS, FR
[85] 2019-12-30
[86] 2018-06-28 (PCT/IB2018/054804)
[87] (WO2019/003177)
[30] US (62/527,211) 2017-06-30

[21] **3,068,667**
[13] A1
[51] **Int.Cl. C10M 129/54 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITIONS CONTAINING DETERGENT COMPOUNDS**
[54] **COMPOSITIONS D'HUILE LUBRIFIANTE CONTENANT DES COMPOSES DETERGENTS**
[72] BOFFA, ALEXANDER BOWMAN, US
[72] HARTGERS, WALTER ALEXANDER, NL
[72] HOSSEINI, SEYEDEH MAHBOOBEH, US
[72] CAMPBELL, CURTIS BAY, US
[71] CHEVRON ORONITE COMPANY LLC, US
[71] CHEVRON ORONITE TECHNOLOGY B.V., NL
[85] 2019-12-30
[86] 2018-06-28 (PCT/IB2018/054806)
[87] (WO2019/003178)
[30] US (62/527,089) 2017-06-30

[21] **3,068,673**
[13] A1
[51] **Int.Cl. G01N 33/53 (2006.01) G01N 33/543 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **ASSAYS FOR ASSESSING NEUTRALIZING ANTIBODIES LEVELS IN SUBJECTS TREATED WITH A BIOLOGICAL DRUG AND USES THEREOF IN PERSONALIZED MEDICINE**
[54] **DOSAGES POUR EVALUER DES TAUX D'ANTICORPS NEUTRALISANTS CHEZ DES SUJETS TRAITES AVEC UN MEDICAMENT BIOLOGIQUE ET LEURS UTILISATIONS DANS UN MEDICAMENT PERSONNALISE**
[72] CHOWERS, YEHUDA, IL
[72] PRESSMAN, SIGAL, IL
[72] BLATT, ALEXANDRA, IL
[72] GERASSY-VAINBERG, SHIRAN, IL
[71] RAMBAM MED-TECH LTD., IL
[85] 2019-12-30
[86] 2018-07-10 (PCT/IL2018/050753)
[87] (WO2019/012531)
[30] US (62/530,310) 2017-07-10

[21] **3,068,684**
[13] A1
[51] **Int.Cl. B60K 31/00 (2006.01)**
[25] EN
[54] **TARGET VEHICLE SPEED GENERATION METHOD AND TARGET VEHICLE SPEED GENERATION DEVICE FOR DRIVING-ASSISTED VEHICLE**
[54] **PROCEDE ET DISPOSITIF DE GENERATION DE VITESSE DE VEHICULE CIBLE POUR VEHICULE D'ASSISTANCE A LA CONDUITE**
[72] GOTOU, AKINOBU, JP
[72] FUKUSHIGE, TAKASHI, JP
[72] TANGE, SATOSHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-12-30
[86] 2017-07-03 (PCT/JP2017/024400)
[87] (WO2019/008648)

[21] **3,068,703**
[13] A1
[51] **Int.Cl. E21B 19/24 (2006.01) E21B 19/16 (2006.01) G01B 11/02 (2006.01)**
[25] EN
[54] **A METHOD, AN APPARATUS AND A SYSTEM FOR ALIGNING PIPES COAXIALLY**
[54] **PROCEDE, APPAREIL ET SYSTEME D'ALIGNEMENT COAXIAL DE TUYAUX**
[72] TRAASERUD, ASBJORN, NO
[71] PIPE PILOT AS, NO
[85] 2019-12-30
[86] 2018-07-09 (PCT/NO2018/050181)
[87] (WO2019/013644)
[30] NO (20171169) 2017-07-13

[21] **3,068,707**
[13] A1
[51] **Int.Cl. C10M 159/22 (2006.01) C10M 169/04 (2006.01)**
[25] EN
[54] **LOW VISCOSITY ENGINE OILS CONTAINING ISOMERIZED PHENOLIC-BASED DETERGENTS**
[54] **HUILES DE MOTEUR A FAIBLE VISCOSITE CONTENANT DES DETERGENTS A BASE DE COMPOSES PHENOLIQUES ISOMERISES**
[72] BOFFA, ALEXANDER BOWMAN, US
[72] WARD, JACOB DANIEL, US
[72] MILLER, BRENDAN P., US
[72] TANAKA, ISAO, JP
[72] OHKUBO, HITOSHI, JP
[72] KUBO, KOICHI, JP
[72] MILLER, JOHN ROBERT, US
[72] CAMPBELL, CURTIS BAY, US
[71] CHEVRON ORONITE COMPANY LLC, US
[71] CHEVRON JAPAN LTD., JP
[85] 2019-12-30
[86] 2018-06-28 (PCT/IB2018/054807)
[87] (WO2019/003179)
[30] US (62/527,119) 2017-06-30

[21] **3,068,710**
[13] A1
[51] **Int.Cl. G01V 1/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FULL WAVEFORM INVERSION OF SEISMIC DATA**
[54] **SYSTEME ET PROCEDE D'INVERSION DE FORME D'ONDE COMPLETE DE DONNEES SISMIQUES**
[72] RAY, ANANDAROOP, US
[72] KAPLAN, SAM T., US
[72] WASHBOURNE, JOHN KENNETH, US
[72] ALBERTIN, UWE K., US
[71] CHEVRON U.S.A. INC., US
[85] 2019-12-30
[86] 2018-07-05 (PCT/IB2018/054982)
[87] (WO2019/008538)
[30] US (62/529,297) 2017-07-06

[21] **3,068,872**
[13] A1
[51] **Int.Cl. B25B 13/06 (2006.01) B23P 19/06 (2006.01) B25B 23/10 (2006.01) B25B 29/02 (2006.01) F16B 31/04 (2006.01)**
[25] EN
[54] **SOCKET AND SOCKET ATTACHMENT**
[54] **DOUILLE ET ACCESSOIRE DE DOUILLE**
[72] MYERS, WILLIAM, US
[72] MCPHEE, ANDREW, AU
[71] SUPERBOLT, INC., US
[85] 2020-01-02
[86] 2018-07-09 (PCT/US2018/041224)
[87] (WO2019/014097)
[30] US (62/530,313) 2017-07-10

[21] **3,068,873**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01) A63B 24/00 (2006.01)**
[25] EN
[54] **CLIMB ASSIST VELOCITY CONTROL**
[54] **COMMANDE DE VITESSE D'ASSISTANCE A L'ESCALADE**
[72] KNICKREHM, MORGAN, US
[71] SAFEWORKS, LLC, US
[85] 2020-01-02
[86] 2018-07-17 (PCT/US2018/042515)
[87] (WO2019/018414)
[30] US (62/533,605) 2017-07-17

[21] **3,068,874**
[13] A1
[51] **Int.Cl. G01N 15/14 (2006.01) C12N 5/076 (2010.01) G01N 15/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM INCORPORATING BEAM SHAPING OPTICS AND BEAM STABILIZATION**
[54] **PROCEDE ET SYSTEME COMPRENANT UNE OPTIQUE DE MISE EN FORME DE FAISCEAU ET STABILISATION DE FAISCEAU**
[72] EVANS, KENNETH MICHAEL, US
[71] INGURAN, LLC, US
[85] 2020-01-02
[86] 2018-07-19 (PCT/US2018/042835)
[87] (WO2019/018609)
[30] US (62/534,508) 2017-07-19

[21] **3,068,875**
[13] A1
[51] **Int.Cl. G06F 12/0868 (2016.01) G06F 12/0866 (2016.01)**
[25] EN
[54] **DIRECTLY MAPPED BUFFER CACHE ON NON-VOLATILE MEMORY**
[54] **MEMOIRE CACHE TAMPON DIRECTEMENT MAPPEE SUR UNE MEMOIRE NON VOLATILE**
[72] LOAIZA, JUAN R., US
[72] LEE, J. WILLIAM, US
[72] HU, WEI-MING, US
[72] UMAMAGESWARAN, KOTHANDA, US
[72] MACNAUGHTON, NEIL J.S., US
[72] LEE, ADAM Y., US
[71] ORACLE INTERNATIONAL CORPORATION, US
[85] 2020-01-02
[86] 2018-08-30 (PCT/US2018/048939)
[87] (WO2019/046632)
[30] US (15/693,273) 2017-08-31

[21] **3,068,876**
[13] A1
[51] **Int.Cl. H01Q 7/00 (2006.01) H01Q 5/35 (2015.01) H01Q 21/24 (2006.01)**
[25] EN
[54] **DOUBLE HELICAL ANTENNA**
[54] **ANTENNE A DOUBLE HELICE**
[72] MURPHY, RYAN, CA
[71] WADE ANTENNA INC., CA
[85] 2020-01-03
[86] 2018-07-11 (PCT/CA2018/050847)
[87] (WO2019/010577)
[30] US (62/531,392) 2017-07-12

[21] **3,068,877**
[13] A1
[51] **Int.Cl. C22B 1/00 (2006.01) C22B 1/16 (2006.01) C22B 3/00 (2006.01) C22B 3/04 (2006.01) C22B 3/06 (2006.01) C22B 3/08 (2006.01) C22B 11/06 (2006.01) C22B 11/08 (2006.01) C22B 15/00 (2006.01)**
[25] EN
[54] **METHOD OF EXTRACTING BASE AND PRECIOUS METALS BY MEANS OF A PRE-TREATMENT LEADING TO THE SOLUBILISATION OF THEIR REFRACTORY MATRICES 0 HYPEX-GOLDEST**
[54] **PROCEDE D'EXTRACTION DE METAUX DE BASE ET PRECIEUX AU MOYEN D'UN PRE-TRAITEMENT PROPICE A LA SOLUBILISATION DE LEURS MATRICES REFRACTAIRES OU HYPEX-GOLDEST**
[72] PATINO MARTINEZ, EDUARDO LUIS, CL
[71] PATINO MARTINEZ, EDUARDO LUIS, CL
[85] 2020-01-03
[86] 2018-09-05 (PCT/CL2018/000028)
[87] (WO2019/006568)
[30] CL (1777-2017) 2017-07-05

[21] **3,068,878**
[13] A1
[51] **Int.Cl. C07D 231/20 (2006.01) A01N 43/56 (2006.01) A61P 13/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM C OF SHUANGZUOCAOTONG, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **FORME CRISTALLINE C DE DICARFENTRAZONE-ETHYLE, SON PROCEDE DE PREPARATION ET UTILISATION ASSOCIEE**
[72] ZHAO, DE, CN
[72] JIN, TAO, CN
[72] LIN, BEIBEI, CN
[72] RU, QIANG, CN
[71] QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD., CN
[85] 2020-01-03
[86] 2017-07-15 (PCT/CN2017/093067)
[87] (WO2019/010717)
[30] CN (201710567957.8) 2017-07-13

[21] **3,068,879**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **USE OF CANNABIDOL IN TREATMENT OF PULMONARY HYPERTENSION**
[54] **APPLICATION DE CANNABIDIOL DANS LE TRAITEMENT DE L'HYPERTENSION PULMONAIRE**
[72] ZHANG, KE, CN
[72] TAN, XIN, CN
[72] YU, ZHAOHUI, CN
[72] LI, XIANGDONG, CN
[71] DEYI PHARMACEUTICAL LTD., CN
[85] 2020-01-03
[86] 2017-07-18 (PCT/CN2017/093367)
[87] (WO2019/014851)

[21] **3,068,936**
[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NOVEL PHARMACEUTICAL COMPOSITION**
[54] **NOUVELLE COMPOSITION PHARMACEUTIQUE**
[72] KARANIKOLOPOULOS, NIKOS, CH
[72] GOULDING, PAUL, CH
[71] NOVARTIS AG, CH
[85] 2019-12-31
[86] 2018-06-29 (PCT/IB2018/054851)
[87] (WO2019/008487)
[30] US (62/528,779) 2017-07-05

[21] **3,068,937**
[13] A1
[51] **Int.Cl. F03B 17/06 (2006.01) F03D 3/00 (2006.01) F03D 3/06 (2006.01)**
[25] EN
[54] **ENERGY HARVESTING DEVICE**
[54] **DISPOSITIF DE COLLECTE D'ENERGIE**
[72] HOVDE, GEIR OLAV, NO
[71] APL TECHNOLOGY AS, NO
[85] 2020-01-03
[86] 2018-06-29 (PCT/NO2018/000014)
[87] (WO2019/009730)
[30] NO (20171115) 2017-07-06

[21] **3,068,943**
[13] A1
[51] **Int.Cl. G01S 17/08 (2006.01) G01S 17/88 (2006.01) G01S 17/93 (2020.01)**
[25] EN
[54] **LIGHT RANGING DEVICE WITH ELECTRONICALLY SCANNED EMITTER ARRAY AND SYNCHRONIZED SENSOR ARRAY**
[54] **DISPOSITIF DE TELEMETRIE DE LUMIERE A RESEAU D'EMETTEURS A BALAYAGE ELECTRONIQUE ET RESEAU DE CAPTEURS SYNCHRONISES**
[72] PACALA, ANGUS, US
[72] FRICHTL, MARK, US
[71] OUSTER, INC., US
[85] 2020-01-02
[86] 2018-07-05 (PCT/US2018/040940)
[87] (WO2019/010320)
[30] US (62/528,879) 2017-07-05

[21] **3,068,947**
[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/08 (2006.01) A61M 16/12 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **RESUSCITATION BAG WITH PEP EXHAUST VALVE COMPATIBLE WITH THORACIC COMPRESSIONS**
[54] **BALLON DE REANIMATION COMPORTANT UNE SOUPAPE D'ECHAPPEMENT EN PEP COMPATIBLE AVEC DES COMPRESSIONS THORACIQUES**
[72] BOULANGER, THIERRY, US
[72] RICHARD, JEAN-CHRISTOPHE, FR
[72] RIGOLLOT, MARCEAU, FR
[72] GINER, JEAN-MARC, FR
[71] AIR LIQUIDE SANTE (INTERNATIONAL), FR
[85] 2019-12-24
[86] 2017-11-30 (PCT/EP2017/080969)
[87] (WO2019/001751)
[30] US (62/525,399) 2017-06-27

[21] **3,068,951**
[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/08 (2006.01) A61M 16/10 (2006.01) A61M 16/12 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **RESUSCITATION BAG WITH DERIVATION CONDUCT COMPATIBLE WITH THORACIC COMPRESSIONS**
[54] **BALLON DE REANIMATION AVEC CONDUIT DE DERIVATION COMPATIBLE AVEC DES COMPRESSIONS THORACIQUES**
[72] BOULANGER, THIERRY, US
[72] RICHARD, JEAN-CHRISTOPHE, FR
[72] RIGOLLOT, MARCEAU, FR
[72] GINER, JEAN-MARC, FR
[71] AIR LIQUIDE SANTE (INTERNATIONAL), FR
[71] AIR LIQUIDE MEDICAL SYSTEMS, FR
[85] 2019-12-24
[86] 2017-11-30 (PCT/EP2017/080975)
[87] (WO2019/001752)
[30] US (62/525,421) 2017-06-27

[21] **3,068,952**
[13] A1
[51] **Int.Cl. G08B 21/04 (2006.01) A61B 5/00 (2006.01)**
[25] FR
[54] **SYSTEM, DEVICE AND METHOD FOR THE PERSONALISED MONITORING OF THE HEALTH STATUS OF AT LEAST ONE AT-RISK PATIENT**
[54] **SYSTEME, DISPOSITIF ET PROCEDE POUR SURVEILLER DE MANIERE PERSONNALISEE L'ETAT DE SANTE D'AU MOINS UN PATIENT A RISQUE**
[72] LE GUILCHER, ALEXANDRE, FR
[72] GILBERT, JEROME, FR
[71] EVOLUCARE TECHNOLOGIES, FR
[85] 2020-01-03
[86] 2018-07-02 (PCT/IB2018/054908)
[87] (WO2019/008502)
[30] FR (17/70716) 2017-07-05

[21] **3,068,965**
[13] A1
[51] **Int.Cl. A61F 5/00 (2006.01)**
[25] EN
[54] **STOMACH LINING PATCH WITH CENTRAL FIXATION**
[54] **PATCH DE MUQUEUSE D'ESTOMAC AVEC FIXATION CENTRALE**
[72] ZHANG, JI, US
[72] ESKAROS, SHERIF A., US
[72] MOONEY, NATHAN K., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-01-03
[86] 2017-07-07 (PCT/US2017/041066)
[87] (WO2019/009917)

[21] **3,068,967**
[13] A1
[51] **Int.Cl. B01F 5/04 (2006.01) F16L 53/70 (2018.01) F25D 3/10 (2006.01) F28C 3/10 (2006.01) F28C 3/12 (2006.01)**
[25] EN
[54] **CRYOGENIC AND LCO2 FLOUR CHILLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT DE FARINE CRYOGENIQUE ET LCO2**
[72] MADSEN, SCOTT T., US
[72] LILAKOS, LOUIS, CA
[72] ORTIZ CORDOVA, MONICA, CA
[71] LINDE AKTIENGESELLSCHAFT, DE
[85] 2020-01-03
[86] 2018-04-19 (PCT/US2018/028262)
[87] (WO2019/009939)
[30] US (62/529,522) 2017-07-07

[21] **3,068,968**
[13] A1
[51] **Int.Cl. B01D 67/00 (2006.01) B01D 53/22 (2006.01) B01D 69/12 (2006.01) B01D 71/56 (2006.01)**
[25] EN
[54] **MULTILAYER AROMATIC POLYAMIDE THIN-FILM COMPOSITE MEMBRANES FOR SEPARATION OF GAS MIXTURES**
[54] **MEMBRANES COMPOSITES A FILM MINCE DE POLYAMIDE AROMATIQUE MULTICOUCHE POUR LA SEPARATION DE MELANGES GAZEUX**
[72] CHOI, SEUNG-HAK, SA
[72] AL-QAHTANI, MOHAMMAD S., SA
[72] QASEM, EYAD A., SA
[71] SAUDI ARABIAN OIL COMAPNY, SA
[85] 2020-01-03
[86] 2018-07-05 (PCT/US2018/040864)
[87] (WO2019/010269)
[30] US (15/644,005) 2017-07-07

[21] **3,068,969**
[13] A1
[51] **Int.Cl. C12N 5/0793 (2010.01) C12N 15/63 (2006.01) C12N 15/79 (2006.01) C40B 40/06 (2006.01) C40B 40/08 (2006.01)**
[25] EN
[54] **MULTIPLEXED RECEPTOR-LIGAND INTERACTION SCREENS**
[54] **CRIBLES D'INTERACTION RECEPTEURS-LIGANDS MULTIPLEXES**
[72] KOSURI, SRIRAM, US
[72] JONES, ERIC, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-01-03
[86] 2018-07-05 (PCT/US2018/040866)
[87] (WO2019/010270)
[30] US (62/528,833) 2017-07-05

[21] **3,068,972**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/34 (2006.01) A61F 2/02 (2006.01)**
[25] EN
[54] **DEVICE FOR DELIVERING GRAFTS AT A SURGICAL SITE AND METHOD**
[54] **DISPOSITIF DE POSE DE GREFFONS AU NIVEAU DE SITE CHIRURGICAL ET PROCEDE ASSOCIE**
[72] PARK, DAVID D., US
[72] HANCOCK, ASHLEY B., US
[72] SMITH, BYRON F., US
[72] HARGENS, TANNER, US
[71] PARK SURGICAL INNOVATIONS, LLC, US
[85] 2020-01-03
[86] 2018-07-06 (PCT/US2018/041147)
[87] (WO2019/010454)
[30] US (62/529,262) 2017-07-06

[21] **3,068,974**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61M 31/00 (2006.01)**
[25] EN
[54] **USE OF VAGINAL LACTOBACILLI FOR IMPROVING THE SUCCESS RATE OF IN VITRO FERTILIZATION**
[54] **UTILISATION DE LACTOBACILLES VAGINAUX POUR AMELIORER LE TAUX DE REUSSITE DE LA FECONDATION IN VITRO**
[72] PARKS, THOMAS P., US
[72] HUMAIDAN, PETER, DK
[72] JENSEN, JORGEN SKOV, DK
[72] HAAHR, THOR, DK
[72] ULDBJERG, NIELS, DK
[71] OSEL, INC., US
[71] STATENS SERUM INSTITUT, DK
[71] AARHUS UNIVERSITET, DK
[71] REGION MIDTJYLLAND, DK
[85] 2020-01-03
[86] 2018-07-05 (PCT/US2018/040882)
[87] (WO2019/010281)
[30] US (62/529,733) 2017-07-07

[21] **3,068,977**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **HIGH FIBER DENSITY RIBBON CABLE**
[54] **CABLE PLAT A HAUTE DENSITE DE FIBRES**
[72] BLAZER, BRADLEY JEROME, US
[72] SEDDON, DAVID ALAN, US
[72] SISTARE, REBECCA ELIZABETH, US
[72] TEMPLE, KENNETH DARRELL JR., US
[72] WILLIAMSON, BRANDON ROBERT, US
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2020-01-03
[86] 2018-07-05 (PCT/US2018/040900)
[87] (WO2019/010291)
[30] US (62/528,966) 2017-07-05
[30] US (62/592,918) 2017-11-30

[21] **3,068,980**
[13] A1
[51] **Int.Cl. C07D 493/08 (2006.01) A61K 31/35 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ENGLERIN DERIVATIVES FOR TREATMENT OF CANCER**
[54] **DERIVES D'ENGLERINE DANS LE TRAITEMENT DU CANCER**
[72] BEUTLER, JOHN A., US
[72] ECHAVARREN, ANTONIO, ES
[72] CHAIN, WILLIAM, US
[72] BEECH, DAVID, GB
[72] WU, ZHENHUA, US
[72] SUPPO, JEAN-SIMON, ES
[72] BRAVO, FERNANDO, ES
[72] RUBAIY, HUSSEIN, GB
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMT OF HEALTH AND HUMAN SERVICES, US
[71] FUNDACIO INSTITUT CATALA D'INVESTIGACIO QUIMICA, ES
[71] UNIVERSITY OF DELAWARE, US
[71] UNIVERSITY OF LEEDS, AU
[71] UNIVERSITAT ROVIRA I VIRGILI, ES
[85] 2020-01-03
[86] 2018-07-05 (PCT/US2018/040910)
[87] (WO2019/010298)
[30] US (62/529,063) 2017-07-06

[21] **3,068,981**
[13] A1
[51] **Int.Cl. C12Q 1/02 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **ASSAY FOR PRE-OPERATIVE PREDICTION OF ORGAN FUNCTION RECOVERY**
[54] **DOSAGE POUR LA PREDICTION PREOPERATOIRE DE LA RECUPERATION D'UNE FONCTION D'ORGANE**
[72] DENG, MARIO, US
[72] BONDAR, GALYNA, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-01-03
[86] 2018-07-05 (PCT/US2018/040961)
[87] (WO2019/010339)
[30] US (62/528,748) 2017-07-05

[21] **3,068,984**
[13] A1
[51] **Int.Cl. A01G 25/09 (2006.01) A01G 25/02 (2006.01)**
[25] EN
[54] **MOBILE DRIP TUBE IRRIGATION SYSTEM HAVING ADJUSTABLE DRIP TUBE POSITIONING**
[54] **SYSTEME D'IRRIGATION MOBILE PAR TUBES DE GOUTTE-A-GOUTTE A POSITIONNEMENT DES TUBES DE GOUTTE-A-GOUTTE REGLABLE**
[72] TEETER, MONTY J., US
[71] TEETER, MONTY J., US
[85] 2020-01-03
[86] 2018-07-06 (PCT/US2018/040995)
[87] (WO2019/010358)
[30] US (62/529,030) 2017-07-06

[21] **3,068,986**
[13] A1
[51] **Int.Cl. F21L 4/02 (2006.01) H01M 10/0525 (2010.01) F21S 4/22 (2016.01) H02J 50/20 (2016.01) F21V 21/096 (2006.01) F21V 23/04 (2006.01) H05K 1/02 (2006.01)**
[25] EN
[54] **FLASHLIGHT**
[54] **LAMPE DE POCHE**
[72] WHITING, JOHN S., US
[72] CLARKE, PATRICK J., US
[71] SCHUMACHER ELECTRIC CORPORATION, US
[85] 2020-01-03
[86] 2018-07-06 (PCT/US2018/041071)
[87] (WO2019/010403)
[30] US (62/529,258) 2017-07-06
[30] US (16/029,001) 2018-07-06

[21] **3,068,989**
[13] A1
[51] **Int.Cl. A61L 27/38 (2006.01) A61K 35/34 (2015.01) A61L 27/54 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR IMPROVING CARDIAC FUNCTION**
[54] **COMPOSITIONS ET METHODES POUR AMELIORER LA FONCTION CARDIAQUE**
[72] LANCASTER, JORDAN J., US
[72] GOLDMAN, STEVEN, US
[72] KOEVARY, JENNIFER W., US
[72] CHINYERE, IKEOTUNYE R., US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[85] 2020-01-03
[86] 2018-07-07 (PCT/US2018/041161)
[87] (WO2019/010464)
[30] US (62/530,015) 2017-07-07

[21] **3,068,990**
[13] A1
[51] **Int.Cl. B64C 27/00 (2006.01) B64C 27/08 (2006.01) B64C 27/12 (2006.01) B64C 29/00 (2006.01) B64D 33/00 (2006.01) B64D 41/00 (2006.01)**
[25] EN
[54] **AUXILIARY POWER SYSTEM FOR ROTORCRAFT WITH FOLDING PROPELLER ARMS AND CRUMPLE ZONE LANDING GEAR**
[54] **SYSTEME D'ALIMENTATION AUXILIAIRE POUR GIRAVION AVEC BRAS D'HELICE PLIANTS ET TRAIN D'ATTERRISSAGE A ZONE DEFORMABLE**
[72] ARKUS, ALAN J., US
[72] BURNS, STEPHEN S., US
[72] CONNERS, PATRICK, US
[72] WEI, WEI, US
[71] SUREFLY, INC., US
[85] 2020-01-03
[86] 2018-05-31 (PCT/US2018/035353)
[87] (WO2018/222844)
[30] US (62/513,677) 2017-06-01

[21] **3,068,992**
[13] A1
[51] **Int.Cl. H04W 64/00 (2009.01)**
[25] EN
[54] **DEVICES AND METHODS FOR SYNCHRONIZED SIGNALING OF THE POSITIONS OF MOVING PEDESTRIANS OR VEHICLES**
[54] **DISPOSITIFS ET PROCEDES DE SIGNALISATION SYNCHRONISEE DES POSITIONS DE PIETONS OU DE VEHICULES EN MOUVEMENT**
[72] SELEVAN, JAMES R., US
[72] SELEVAN, ADAM JORDAN, US
[72] SELEVAN, DANIEL JOSEPH, US
[71] SELEVAN, JAMES R., US
[71] SELEVAN, ADAM JORDAN, US
[71] SELEVAN, DANIEL JOSEPH, US
[85] 2020-01-03
[86] 2018-07-06 (PCT/US2018/041126)
[87] (WO2019/010440)
[30] US (62/529,423) 2017-07-06

[21] **3,068,996**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENCODING IMAGE DATA AND OTHER DATA TYPES INTO ONE DATA FORMAT AND DECODING OF SAME**
[54] **SYSTEME ET PROCEDE DE CODAGE DE DONNEES D'IMAGES ET D'AUTRES TYPES DE DONNEES EN UN FORMAT DE DONNEES ET DE DECODAGE DESDITES DONNEES**
[72] GONG, CHANGHONG, US
[72] GONG, CHARLES, US
[72] COLLARD-HARMON, ADENA, US
[72] KADADO, TAHA, US
[72] COLLARD, JESSE, US
[71] C-HEAR, INC., US
[85] 2020-01-03
[86] 2018-06-04 (PCT/US2018/035817)
[87] (WO2018/231568)
[30] US (62/518,034) 2017-06-12
[30] US (15/785,148) 2017-10-16

[21] **3,069,001**
[13] A1
[51] **Int.Cl. G01N 15/06 (2006.01) G01N 21/47 (2006.01) G01N 21/53 (2006.01) G01N 15/00 (2006.01)**
[25] EN
[54] **OPTICAL DETECTION OF BLACK POWDER CONCENTRATION IN GAS FLOW-LINES**
[54] **DETECTION OPTIQUE DE CONCENTRATION DE POUDRE NOIRE DANS DES LIGNES D'ECOULEMENT DE GAZ**
[72] CUNNINGHAM, VINCENT, SA
[72] HEGAZI, EZZAT, SA
[72] ALOMAIRI, TURKI, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-03
[86] 2018-06-21 (PCT/US2018/038780)
[87] (WO2019/010009)
[30] US (15/642,039) 2017-07-05

[21] **3,069,004**
[13] A1
[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/337 (2006.01) A61K 31/407 (2006.01) A61K 31/4745 (2006.01) A61K 31/555 (2006.01) A61K 31/704 (2006.01) A61K 33/24 (2019.01) A61K 47/46 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR PARENTERAL ADMINISTRATION OF THERAPEUTIC AGENTS**
[54] **COMPOSITIONS POUR UNE ADMINISTRATION PARENTERALE D'AGENTS THERAPEUTIQUES**
[72] ORONSKY, BRYAN T., US
[71] EPICENTRX, INC., US
[85] 2020-01-03
[86] 2018-07-06 (PCT/US2018/041138)
[87] (WO2019/010447)
[30] US (62/529,635) 2017-07-07
[30] US (62/534,639) 2017-07-19
[30] US (62/549,835) 2017-08-24
[30] US (62/565,808) 2017-09-29

[21] **3,069,012**
[13] A1
[51] **Int.Cl. C07D 285/14 (2006.01) A61K 31/17 (2006.01) A61K 31/433 (2006.01) A61P 3/00 (2006.01) C07C 275/28 (2006.01) C07C 275/30 (2006.01)**
[25] EN
[54] **HRI ACTIVATORS USEFUL FOR THE TREATMENT OF CARDIOMETABOLIC DISEASES**
[54] **ACTIVATEURS DE HRI UTILES POUR LE TRAITEMENT DE MALADIES CARDIOMETABOLIQUES**
[72] ZAREI, MOHAMMAD, ES
[72] VAZQUEZ CARRERA, MANUEL, ES
[72] VAZQUEZ CRUZ, SANTIAGO, ES
[72] LEIVA MARTINEZ, ROSANA, ES
[72] PUJOL BECH, EUGENIA, ES
[71] UNIVERSITAT DE BARCELONA, ES
[85] 2020-01-06
[86] 2017-03-29 (PCT/EP2017/057398)
[87] (WO2018/010856)
[30] EP (16179237.9) 2016-07-13

[21] **3,069,029**
[13] A1
[51] **Int.Cl. C10J 3/54 (2006.01)**
[25] EN
[54] **AFTERTREATMENT ARRANGEMENT AND METHOD FOR THE AFTERTREATMENT OF AT LEAST GASES DOWNSTREAM OF A FLUIDIZED BED GASIFICATION AS WELL AS LOGIC UNIT AND USE**
[54] **SYSTEME DE POST-TRAITEMENT ET PROCEDE POUR REALISER LE POST-TRAITEMENT D'AU MOINS DES GAZ EN AVAL D'UNE GAZEIFICATION EN LIT FLUIDISE AINSI QU'UNITE LOGIQUE ET UTILISATION**
[72] ABRAHAM, RALF, DE
[72] PAVONE, DOMENICO, DE
[72] TOPOROV, DOBRIN, DE
[72] PALMOWSKI, HERBERT, DE
[71] PLURALITY PARTNERS B.V., NL
[85] 2020-01-06
[86] 2018-06-08 (PCT/EP2018/065198)
[87] (WO2018/228946)
[30] DE (10 2017 210 044.3) 2017-06-14

[21] **3,069,035**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C07K 16/28 (2006.01) C07K 16/40 (2006.01) G01N 33/564 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **IMPROVED REP PROTEIN FOR USE IN A DIAGNOSTIC ASSAY**
[54] **PROTEINE REP AMELIOREE DESTINEE A ETRE UTILISEE DANS UN DOSAGE DE DIAGNOSTIC**
[72] BUND, TIMO, DE
[72] DE VILLIERS, ETHEL-MICHELE, DE
[72] ZUR HAUSEN, HARALD, DE
[71] DEUTSCHES KREBSFORSCHUNGSZENTRUM, DE
[85] 2020-01-06
[86] 2018-07-04 (PCT/EP2018/068118)
[87] (WO2019/008052)
[30] EP (17180235.8) 2017-07-07

[21] **3,069,038**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/502 (2006.01) A61P 29/00 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF FIBROSIS**
[54] **NOUVEAUX COMPOSES ET COMPOSITIONS PHARMACEUTIQUES DE CEUX-CI DESTINES AU TRAITEMENT DE LA FIBROSE**
[72] MAMMOLITI, OSCAR, FR
[72] JANSEN, KOEN KAREL, BE
[72] MENET, CHRISTEL JEANNE MARIE, BE
[72] PALISSE, ADELINE MARIE ELISE, BE
[72] TRICARICO, GIOVANNI ALESSANDRO, BE
[72] EL BKASSINY, SANDY, BE
[72] JAUNET, ALEXIS PATRICK CLAUDE, BE
[72] ALLART, BRIGITTE, BE
[72] DUTHION, BERANGER, FR
[72] BREBION, FRANCK LAURENT, FR
[71] GALAPAGOS NV, BE
[85] 2020-01-06
[86] 2018-06-21 (PCT/EP2018/066548)
[87] (WO2019/007696)
[30] GB (1710851.5) 2017-07-06

[21] **3,069,042**
[13] A1
[51] **Int.Cl. A61K 31/09 (2006.01) A61K 31/34 (2006.01) A61K 31/343 (2006.01) A61K 31/4184 (2006.01) A61K 31/44 (2006.01) A61K 31/661 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **TREATMENT OF AVASCULAR OR HYPOVASCULAR MICRO-TUMORS**
[54] **TRAITEMENT DE MICRO-TUMEURS AVASCULAIRES OU HYPOVASCULAIRES**
[72] NI, YICHENG, BE
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
[85] 2020-01-06
[86] 2018-07-04 (PCT/EP2018/068141)
[87] (WO2019/008064)
[30] GB (1710936.4) 2017-07-07
[30] LU (LU100362) 2017-08-07

[21] **3,069,044**
[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/4409 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **FAMPRIDINE TTS**
[54] **FAMPRIDINE TTS**
[72] KEIKERT, ROSEMARIE, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-01-06
[86] 2018-07-12 (PCT/EP2018/068952)
[87] (WO2019/012047)
[30] DE (10 2017 115 701.8) 2017-07-12

[21] **3,069,045**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 48/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **NOVEL POLYNUCLEOTIDES ENCODING A HUMAN FKRP PROTEIN**
[54] **NOUVEAUX POLYNUCLEOTIDES CODANT POUR UNE PROTEINE FKRP HUMAINE**
[72] RICHARD, ISABELLE, FR
[72] GICQUEL-ZOUIDA, EVELYNE, FR
[71] GENETHON, FR
[71] UNIVERSITE D'EVRY-VAL-D'ESSONNE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2020-01-06
[86] 2018-07-06 (PCT/EP2018/068420)
[87] (WO2019/008157)
[30] EP (17305894.2) 2017-07-07

[21] **3,069,046**
[13] A1
[51] **Int.Cl. C07D 213/75 (2006.01) A61K 31/44 (2006.01) A61P 33/06 (2006.01) C07C 279/10 (2006.01)**
[25] EN
[54] **ETHYNYL COMPOUNDS, THEIR PREPARATION AND THEIR THERAPEUTIC USE FOR THE TREATMENT OF MALARIA**
[54] **COMPOSES ETHYNYLE, LEUR PREPARATION ET LEUR UTILISATION THERAPEUTIQUE DANS LE TRAITEMENT DU PALUDISME**
[72] PASCAL, CECILE, FR
[72] PELLET, ALAIN, FR
[72] COURTEMANCHE, GILLES, FR
[72] CAMPBELL, SIMON, GB
[71] SANOFI, FR
[85] 2020-01-06
[86] 2018-07-04 (PCT/EP2018/068079)
[87] (WO2019/008027)
[30] EP (17305866.0) 2017-07-04

[21] **3,069,047**
[13] A1
[51] **Int.Cl. C40B 40/10 (2006.01) G16B 25/00 (2019.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/47 (2006.01) C12N 15/00 (2006.01) C12N 15/12 (2006.01) C12Q 1/68 (2018.01) C40B 30/00 (2006.01) C40B 40/02 (2006.01) C40B 40/08 (2006.01) C40B 50/06 (2006.01)**
[25] EN
[54] **A UNIVERSAL VACCINE BASED ON SHARED TUMOR NEOANTIGENS FOR PREVENTION AND TREATMENT OF MICRO SATELLITE INSTABLE (MSI) CANCERS**
[54] **VACCIN UNIVERSEL BASE SUR DES NEO-ANTIGENES TUMORAUX PARTAGES POUR LA PREVENTION ET LE TRAITEMENT DE CANCERS A INSTABILITES MICRO-SATELLITAIRES (MSI)**
[72] NICOSIA, ALFREDO, IT
[72] SCARSELLI, ELISA, IT
[72] LEONI, GUIDO, IT
[72] LAHM, ARMIN, IT
[71] NOUSCOM AG, CH
[85] 2020-01-06
[86] 2018-07-12 (PCT/EP2018/069032)
[87] (WO2019/012082)
[30] EP (17181026.0) 2017-07-12

[21] **3,069,049**
[13] A1
[51] **Int.Cl. C08L 95/00 (2006.01) C08K 5/101 (2006.01)**
[25] FR
[54] **FLUXING AGENTS FOR HYDROCARBON BINDERS**
[54] **AGENTS FLUXANTS POUR LIANTS HYDROCARBONES**
[72] BOURDETTE, ARNAUD, FR
[72] DELFOSSE, FREDERIC, FR
[72] LABEAU, MARIE-PIERRE, FR
[72] LEBARBE, THOMAS, FR
[72] MARTIN, HELENE, FR
[72] ROUSSEAU, SIMON, FR
[71] RHODIA OPERATIONS, FR
[71] EUROVIA, FR
[85] 2020-01-06
[86] 2018-07-06 (PCT/FR2018/051694)
[87] (WO2019/008287)
[30] FR (1756441) 2017-07-07

[21] **3,069,051**
[13] A1
[51] **Int.Cl. A61K 39/385 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NEOANTIGEN VACCINE COMPOSITION FOR TREATMENT OF CANCER**
[54] **COMPOSITION DE VACCIN A BASE DE NEOANTIGENES POUR LE TRAITEMENT DU CANCER**
[72] NICOSIA, ALFREDO, IT
[72] SCARSELLI, ELISA, IT
[72] D'ALISE, ANNA MORENA, IT
[71] NOUSCOM AG, CH
[85] 2020-01-06
[86] 2018-07-12 (PCT/EP2018/069047)
[87] (WO2019/012091)
[30] EP (17181026.0) 2017-07-12
[30] EP (17200036.6) 2017-11-03

[21] **3,069,053**
[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/56 (2013.01) G06F 3/06 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SECURE STORAGE DEVICE**
[54] **DISPOSITIF DE STOCKAGE SECURISE**
[72] LUKACS, SANDOR, RO
[72] TURICU, DAN-CRISTIAN, RO
[71] BITDEFENDER IPR MANAGEMENT LTD, CY
[85] 2020-01-06
[86] 2018-07-31 (PCT/EP2018/070692)
[87] (WO2019/025423)
[30] US (62/541,505) 2017-08-04
[30] US (16/045,115) 2018-07-25

[21] **3,069,055**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/352 (2006.01)**
[25] EN
[54] **POWDER SOLID DISPERSIONS COMPRISING QUERCETIN, PROCESS FOR THEIR PREPARATION AND FORMULATIONS THEREOF**
[54] **DISPERSIONS SOLIDES EN POUDRE COMPRENANT DE LA QUERCETINE, LEUR PROCEDE DE PREPARATION ET LEURS FORMULES**
[72] RONCHI, MASSIMO, IT
[72] FRATTINI, ELISABETTA, IT
[72] RIVA, ANTONELLA, IT
[71] INDENA S.P.A., IT
[85] 2020-01-06
[86] 2018-07-16 (PCT/EP2018/069284)
[87] (WO2019/016146)
[30] EP (17181634.1) 2017-07-17

[21] **3,069,057**
[13] A1
[51] **Int.Cl. E21B 1/00 (2006.01) E21B 4/14 (2006.01) E21B 10/36 (2006.01)**
[25] EN
[54] **DRILL BIT WITH DETACHABLE BIT HEAD**
[54] **TREPAN DE FORAGE AVEC TETE DE TREPAN AMOVIBLE**
[72] PURCELL, JOSEPH, IE
[72] PURCELL, CIARAN, IE
[71] MINCON INTERNATIONAL LIMITED, IE
[85] 2020-01-06
[86] 2018-07-17 (PCT/EP2018/069434)
[87] (WO2019/016230)
[30] IE (S2018/0049) 2018-03-08
[30] IE (S2017/0150) 2017-07-20

[21] **3,069,058**
[13] A1
[51] **Int.Cl. B01J 23/00 (2006.01) B01J 35/04 (2006.01) B01J 35/10 (2006.01) C01B 3/32 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **CATALYTIC COMPOSITION FOR CO2 CONVERSION**
[54] **COMPOSITION CATALYTIQUE POUR LA CONVERSION DE CO2**
[72] AVETISYAN KAJIKI, ASHOT, AM
[72] FRECH NABOLD, CHRISTIAN, CH
[72] BARONIAN, MIKE, CH
[71] AZAD PHARMA AG, CH
[85] 2020-01-06
[86] 2018-07-16 (PCT/EP2018/069321)
[87] (WO2019/012160)
[30] EP (17020309.5) 2017-07-14

[21] **3,069,059**
[13] A1
[51] **Int.Cl. C07B 53/00 (2006.01) C07F 17/02 (2006.01)**
[25] EN
[54] **PROCESS**
[54] **METHODE**
[72] NEDDEN, HANS GUENTER, GB
[72] JURCIK, VACLAV, GB
[72] TALAVERA, GARAZI, GB
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2020-01-06
[86] 2018-07-04 (PCT/GB2018/051886)
[87] (WO2019/008358)
[30] GB (1710954.7) 2017-07-07
[30] GB (1807243.9) 2018-05-02

[21] **3,069,060**
[13] A1
[51] **Int.Cl. G21B 1/00 (2006.01) G21D 3/00 (2006.01) G21D 3/10 (2006.01)**
[25] EN
[54] **MACHINE LEARNING IN FUSION REACTORS**
[54] **APPRENTISSAGE-MACHINE DANS DES REACTEURS DE FUSION**
[72] MCNAMARA, STEVEN ANTONY MILTON, GB
[72] BUXTON, PETER, GB
[72] KINGHAM, DAVID, GB
[71] TOKAMAK ENERGY LTD, GB
[85] 2020-01-06
[86] 2018-07-04 (PCT/GB2018/051874)
[87] (WO2019/008349)
[30] GB (1710889.5) 2017-07-06

[21] **3,069,061**
[13] A1
[51] **Int.Cl. B32B 17/10 (2006.01)**
[25] EN
[54] **LAMINATED GLASS COMPRISING INTERLAYER FILM LAYERS WITH A PIGMENTED FRAME**
[54] **VERRE FEUILLETE COMPRENANT DES COUCHES DE FILM INTERCOUCHE AVEC UN CADRE PIGMENTE**
[72] BUTLER, CHARLES, US
[72] KELLER, UWE, FR
[72] STEINBACH, NIKLAS, DE
[72] FUSS, ROBERT, DE
[71] KURARAY EUROPE GMBH, DE
[85] 2020-01-06
[86] 2018-08-01 (PCT/EP2018/070896)
[87] (WO2019/038043)
[30] US (62/550,015) 2017-08-25

[21] **3,069,064**
[13] A1
[51] **Int.Cl. C02F 1/00 (2006.01) E02B 15/00 (2006.01)**
[25] EN
[54] **SEDIMENT CONTROL SYSTEM**
[54] **SYSTEME DE REGULATION DE SEDIMENTS**
[72] FARQUHARSON, IAN, CA
[71] FARQUHARSON, IAN, CA
[85] 2019-12-16
[86] 2018-06-18 (PCT/CA2018/000119)
[87] (WO2018/232488)
[30] US (62/521,493) 2017-06-18

[21] **3,069,065**
[13] A1
[51] **Int.Cl. C07D 473/08 (2006.01) A61K 31/522 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NOVEL FUNCTIONALIZED PURINE-2,6-DIONES AND THEIR USE IN MEDICINE**
[54] **NOUVELLES PURINE-2,6-DIONES FONCTIONNALISEES ET UTILISATION CORRESPONDANTE EN MEDECINE**
[72] PAGE, BRENT, SE
[72] VALERIE, NICHOLAS, SE
[72] HELLEDAY, THOMAS, SE
[72] WALLNER, OLOV, SE
[72] SCOBIE, MARTIN, SE
[72] LLONA-MINGUEZ, SABIN, SE
[71] THOMAS HELLEDAYS STIFTELSE FOR MEDICINSK FORSKNING, SE
[85] 2020-01-06
[86] 2018-07-27 (PCT/EP2018/070522)
[87] (WO2019/020828)
[30] GB (1712110.4) 2017-07-27

[21] **3,069,069**
[13] A1
[51] **Int.Cl. A61K 9/10 (2006.01) A61K 31/47 (2006.01) A61K 47/26 (2006.01) A61P 31/06 (2006.01) A61P 31/08 (2006.01)**
[25] EN
[54] **LONG-ACTING FORMULATIONS**
[54] **FORMULATIONS A ACTION PROLONGEE**
[72] ANDRIES, KOENRAAD JOZEF LODEWIJK MARCEL, BE
[72] BERNINI, MARISTELLA, BE
[72] BASSTANIE, ESTHER DINA GUIDO, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2020-01-06
[86] 2018-07-13 (PCT/EP2018/069066)
[87] (WO2019/012100)
[30] EP (17181354.6) 2017-07-14
[30] EP (18167463.1) 2018-04-16

[21] **3,069,072**
[13] A1
[51] **Int.Cl. C25D 15/00 (2006.01) C25D 3/56 (2006.01)**
[25] EN
[54] **ELECTROLYTIC PROCESS FOR COATING METAL SURFACES TO PROVIDE HIGH RESISTANCE TO CORROSION AND ABRASION**
[54] **PROCEDE ELECTROLYTIQUE POUR REVETIR DES SURFACES METALLIQUES DE SORTE A FOURNIR UNE HAUTE RESISTANCE A LA CORROSION ET A L'ABRASION**
[72] BURATTI, MARCO, IT
[71] METALCOATING S.R.L., IT
[85] 2020-01-06
[86] 2018-07-13 (PCT/IB2018/055197)
[87] (WO2019/012496)
[30] IT (102017000079843) 2017-07-14

[21] **3,069,073**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODY FORMULATION**
[54] **FORMULATION D'ANTICORPS BISPECIFIQUE**
[72] FAST, JONAS, CH
[72] PAULUS, ANJA SARAH, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2020-01-06
[86] 2018-07-26 (PCT/EP2018/070289)
[87] (WO2019/020745)
[30] EP (17183667.9) 2017-07-28

[21] **3,069,075**
[13] A1
[51] **Int.Cl. A01K 1/00 (2006.01) F24F 5/00 (2006.01) F24F 13/14 (2006.01)**
[25] EN
[54] **FLAP SYSTEM FOR A BUILDING**
[54] **SYSTEME DE TRAPPE POUR UN BATIMENT**
[72] FLIEGL, JOSEF, SEN., DE
[71] FLIEGL AGRO-CENTER GMBH, DE
[85] 2020-01-06
[86] 2019-03-06 (PCT/EP2019/055595)
[87] (WO2019/170764)
[30] EP (18160971.0) 2018-03-09

[21] **3,069,076**
[13] A1
[51] **Int.Cl. H03H 9/02 (2006.01) G01N 29/11 (2006.01) H03H 9/145 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR INTERFACING SENSORS WITH FLUID MATERIALS**
[54] **PROCEDES ET APPAREIL D'INTERFACAGE DE CAPTEURS AVEC DES MATERIAUX FLUIDES**
[72] LI, MO-HUANG, US
[71] AVIANA MOLECULAR TECHNOLOGIES, LLC, US
[85] 2020-01-06
[86] 2018-07-05 (PCT/US2018/040875)
[87] (WO2019/010275)
[30] US (62/529,945) 2017-07-07

[21] **3,069,080**
[13] A1
[51] **Int.Cl. B61H 5/00 (2006.01) B61H 1/00 (2006.01) B61H 13/00 (2006.01) B61H 13/24 (2006.01) B61H 15/00 (2006.01) F16D 65/04 (2006.01)**
[25] EN
[54] **TRUCK MOUNTED BRAKING SYSTEM FOR A RAILWAY CAR**
[54] **SYSTEME DE FREINAGE MONTE SUR BOGIE POUR UN WAGON**
[72] SUNDE, JONATHAN, US
[71] STRATO, INC., US
[85] 2020-01-06
[86] 2018-06-15 (PCT/US2018/037703)
[87] (WO2019/022858)
[30] US (15/660,435) 2017-07-26

[21] **3,069,087**
[13] A1
[51] **Int.Cl. A61B 50/30 (2016.01) A61M 5/32 (2006.01) H01F 7/06 (2006.01) H05B 1/02 (2006.01) H05B 6/00 (2006.01) H05B 6/02 (2006.01) H05B 6/10 (2006.01)**
[25] EN
[54] **INDUCTION HEATING CIRCUIT FOR MEDICAL SHARPS REMOVAL DEVICE**
[54] **CIRCUIT DE CHAUFFAGE PAR INDUCTION POUR DISPOSITIF MEDICAL D'ENLEVEMENT D'OBJETS POINTUS**
[72] LIMAYE, AMIT, US
[72] SCHIFF, DAVID, US
[72] ZIELINSKI, TODD, US
[72] MCGILL, NICK, US
[72] MORYS, MARIAN, US
[72] SMOLLINGER, GLENN, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-01-06
[86] 2018-06-22 (PCT/US2018/039039)
[87] (WO2019/010019)
[30] US (62/529,926) 2017-07-07
[30] US (62/530,001) 2017-07-07

[21] **3,069,098**
[13] A1
[51] **Int.Cl. B01J 8/02 (2006.01)**
[25] EN
[54] **RADIAL-FLOW REACTOR APPARATUS**
[54] **APPAREIL REACTEUR A ECOULEMENT RADIAL**
[72] EARLY, SIMON ROBERT, GB
[72] GRAHAM, SIMON, GB
[72] WISE, PAUL, GB
[71] JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, GB
[85] 2020-01-06
[86] 2018-06-13 (PCT/GB2018/051601)
[87] (WO2019/008316)
[30] GB (1710924.0) 2017-07-07

[21] **3,069,099**
[13] A1
[51] **Int.Cl. G01C 21/20 (2006.01) G01S 13/72 (2006.01) G01S 13/86 (2006.01) G01S 13/88 (2006.01) G08G 3/02 (2006.01)**
[25] EN
[54] **POSITIONING A SET OF VEHICLES**
[54] **POSITIONNEMENT D'UN ENSEMBLE DE VEHICULES**
[72] BOOKLESS, JOHN PATERSON, GB
[72] DEITTERT, MARKUS, GB
[71] BAE SYSTEMS PLC, GB
[85] 2020-01-06
[86] 2018-06-26 (PCT/GB2018/051774)
[87] (WO2019/008326)
[30] GB (1710922.4) 2017-07-07
[30] EP (17275099.4) 2017-07-07

[21] **3,069,100**
[13] A1
[51] **Int.Cl. C09K 8/584 (2006.01) C11D 1/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS AND USES RELATING THERETO**
[54] **COMPOSITIONS ET PROCEDES ET UTILISATIONS ASSOCIEES**
[72] MCROBBIE, IAN MALCOLM, GB
[72] SUSTAYTA, JOSEPH, US
[72] ZIGA JR., LUIS ANGEL, US
[71] INNOSPEC OIL FIELD CHEMICALS LLC, US
[85] 2020-01-06
[86] 2018-06-29 (PCT/GB2018/051831)
[87] (WO2019/008329)
[30] US (62/529,153) 2017-07-06

[21] **3,069,101**
[13] A1
[51] **Int.Cl. B01J 4/00 (2006.01) B01D 43/00 (2006.01)**
[25] EN
[54] **SPARGER APPARATUS AND METHOD FOR EXTRACTING PARTICLES**
[54] **APPAREIL D'ARROSAGE ET PROCEDE D'EXTRACTION DE PARTICULES**
[72] KAUPPI, JANNE, FI
[71] OUTOTEC (FINLAND) OY, FI
[85] 2020-01-06
[86] 2018-06-20 (PCT/FI2018/050482)
[87] (WO2019/012179)
[30] FI (PCT/FI2017/050533) 2017-07-11

[21] **3,069,102**
[13] A1
[51] **Int.Cl. A61M 27/00 (2006.01) A61B 5/03 (2006.01) G01L 1/25 (2006.01)**
[25] EN
[54] **APPARATUS FOR MEASURING PRESSURE WITHIN A SHUNT**
[54] **APPAREIL POUR MESURER LA PRESSION A L'INTERIEUR D'UNE DERIVATION.**
[72] DEMETRIOU, VIAS, GB
[71] DEMETRIOU, VIAS, GB
[85] 2020-01-06
[86] 2017-07-07 (PCT/GB2017/051999)
[87] (WO2018/007825)
[30] GB (1611935.6) 2016-07-08

[21] **3,069,103**
[13] A1
[51] **Int.Cl. A62D 1/02 (2006.01)**
[25] EN
[54] **POST-FOAMING COMPOSITION FOR PROTECTION AGAINST FIRE AND/OR HEAT**
[54] **COMPOSITION POST-MOUSSANTE POUR PROTECTION CONTRE LE FEU ET/OU LA CHALEUR**
[72] LOVAS, LASZLO, HU
[71] SWISS FIRE PROTECTION RESEARCH & DEVELOPMENT AG, CH
[85] 2020-01-06
[86] 2017-07-06 (PCT/IB2017/054066)
[87] (WO2019/008419)

[21] **3,069,104**
[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A61K 47/54 (2017.01) A61K 47/55 (2017.01) A61P 35/00 (2006.01) C07D 311/00 (2006.01)**
[25] EN
[54] **MEDICAL COMPOUND**
[54] **COMPOSES MEDICAUX**
[72] PITARI, GIOVANNI MARIO, IT
[72] LEOTTA, CLAUDIA GIOVANNA, IT
[72] DRAGO, CARMELO, IT
[72] NICOLOSI, GIOVANNI, IT
[71] VERA SALUS RICERCA S.R.L., IT
[85] 2020-01-06
[86] 2018-07-05 (PCT/IB2018/054981)
[87] (WO2019/008537)
[30] IT (102017000075637) 2017-07-05

[21] **3,069,105**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C12N 5/078 (2010.01) C12N 5/0783 (2010.01) C12N 5/09 (2010.01) A61K 39/395 (2006.01) C07K 14/55 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **POLYNUCLEOTIDES ENCODING IMMUNOSTIMULATORY FUSION MOLECULES AND USES THEREOF**
[54] **POLYNUCLEOTIDES CODANT POUR DES MOLECULES DE FUSION IMMUNOSTIMULANTES ET LEURS UTILISATIONS**
[72] ANDRESEN, THOMAS L., US
[72] JONES, DOUGLAS S., US
[71] TORQUE THERAPEUTICS, INC., US
[85] 2020-01-03
[86] 2018-07-03 (PCT/US2018/040783)
[87] (WO2019/010222)
[30] US (62/528,411) 2017-07-03
[30] US (62/598,433) 2017-12-13
[30] US (62/620,418) 2018-01-22
[30] US (62/620,107) 2018-01-22
[30] US (62/657,455) 2018-04-13

[21] **3,069,106**
[13] A1
[51] **Int.Cl. H04N 21/235 (2011.01) H04H 20/28 (2009.01) H04H 60/13 (2009.01) H04N 21/434 (2011.01) H04N 21/84 (2011.01) H04N 19/30 (2014.01) H04N 19/85 (2014.01)**
[25] EN
[54] **TRANSMISSION DEVICE, TRANSMISSION METHOD, RECEPTION DEVICE, AND RECEPTION METHOD**
[54] **DISPOSITIF ET PROCEDE DE TRANSMISSION, DISPOSITIF ET PROCEDE DE RECEPTION**
[72] TSUKAGOSHI, IKUO, JP
[71] SONY CORPORATION, JP
[85] 2020-01-06
[86] 2018-07-18 (PCT/JP2018/026828)
[87] (WO2019/017362)
[30] JP (2017-140592) 2017-07-20

[21] **3,069,107**
[13] A1
[51] **Int.Cl. C07D 417/12 (2006.01)**
[25] EN
[54] **POLYMORPHIC FORMS OF DASATINIB**
[54] **FORMES POLYMORPHES DE DASATINIB**
[72] BHAT, RAMAKRISHNA, PARAMESHWAR, IN
[72] RAGHUNADHACHETTY, JITHENDRABABU, IN
[72] KALIAPPAN, MARIAPPAN, IN
[72] PALLE, VENKATA, RAGHAVENDRACHARYULU, IN
[72] REGALLA, VIJAYBHASKAR, REDDY, IN
[71] BIOCON LIMITED, IN
[85] 2020-01-06
[86] 2018-07-07 (PCT/IB2018/055022)
[87] (WO2019/008555)
[30] IN (201741024067) 2017-07-07
[30] IN (201741029965) 2017-08-24
[30] IN (201841001249) 2018-01-11
[30] IN (201841007613) 2018-02-28

[21] **3,069,108**
[13] A1
[51] **Int.Cl. B60R 21/00 (2006.01)**
[25] EN
[54] **PARKING ASSISTANCE METHOD AND PARKING ASSISTANCE DEVICE**
[54] **PROCEDE D'AIDE AU STATIONNEMENT ET DISPOSITIF D'AIDE AU STATIONNEMENT**
[72] SUZUKI, YASUHIRO, JP
[72] SATO, KO, JP
[72] TANAKA, DAISUKE, JP
[72] SAKURAI, YASUHIRO, JP
[72] YAMANAKA, RYOTA, JP
[72] KOBAYASHI, JUNYA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-06
[86] 2017-07-07 (PCT/JP2017/025009)
[87] (WO2019/008762)

[21] **3,069,109**
[13] A1
[51] **Int.Cl. B23K 35/04 (2006.01) B23K 11/30 (2006.01)**
[25] EN
[54] **ELECTRIC RESISTANCE WELDING ELECTRODE AND METHOD FOR MAINTAINING AIRTIGHTNESS**
[54] **ELECTRODE DE SOUDAGE PAR RESISTANCE ELECTRIQUE ET PROCEDE DE MAINTIEN DE L'ETANCHEITE A L'AIR**
[72] AOYAMA, SHOJI, JP
[72] AOYAMA YOSHITAKA, JP
[71] AOYAMA, SHOJI, JP
[85] 2020-01-06
[86] 2018-08-10 (PCT/JP2018/030085)
[87] (WO2019/035423)
[30] JP (2017-170664) 2017-08-17

[21] **3,069,110**
[13] A1
[51] **Int.Cl. A01J 5/017 (2006.01) A01K 1/12 (2006.01) A01K 5/00 (2006.01)**
[25] EN
[54] **MEANS AND METHODS FOR FREE DOME RANGE**
[54] **MOYENS ET PROCEDES POUR PARCOURS LIBRE SOUS DOME**
[72] BRAYER, EYAL, IL
[71] DAIRYIONICS LTD, IL
[85] 2020-01-06
[86] 2017-07-05 (PCT/IL2017/050753)
[87] (WO2018/008026)
[30] IL (246617) 2016-07-05

[21] **3,069,111**
[13] A1
[51] **Int.Cl. F16K 3/02 (2006.01) F16K 3/20 (2006.01) F16K 3/314 (2006.01)**
[25] EN
[54] **NO FLUSH VALVE**
[54] **VANNE SANS RINCAGE**
[72] DENTRO, NIELS, NL
[72] BOUDESTIJN, DENNIS, NL
[71] IHC HOLLAND IE B.V., NL
[85] 2020-01-06
[86] 2018-07-24 (PCT/NL2018/050512)
[87] (WO2019/022597)
[30] NL (2019327) 2017-07-24

[21] **3,069,112**
[13] A1
[51] **Int.Cl. B60R 21/00 (2006.01)**
[25] EN
[54] **PARKING ASSISTANCE METHOD AND PARKING ASSISTANCE DEVICE**
[54] **PROCEDE D'AIDE AU STATIONNEMENT ET DISPOSITIF D'AIDE AU STATIONNEMENT**
[72] SUZUKI, YASUHIRO, JP
[72] SATO, KO, JP
[72] TANAKA, DAISUKE, JP
[72] SAKURAI, YASUHIRO, JP
[72] YAMANAKA, RYOTA, JP
[72] KOBAYASHI, JUNYA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-06
[86] 2017-07-07 (PCT/JP2017/025003)
[87] (WO2019/008759)

[21] **3,069,113**
[13] A1
[51] **Int.Cl. A01K 61/60 (2017.01)**
[25] EN
[54] **LIFTING POST FOR A SEA PEN AND USE OF THE LIFTING POST FOR CLEANING A NET**
[54] **POTEAU DE LEVAGE DESTINE A UN PARC MARIN ET UTILISATION DU POTEAU DE LEVAGE POUR NETTOYER UN FILET**
[72] MACGILLIVRAY, DAVID, GB
[71] MOWI ASA, NO
[85] 2020-01-06
[86] 2018-07-09 (PCT/NO2018/050180)
[87] (WO2019/013643)
[30] NO (20171184) 2017-07-14
[30] NO (20180780) 2018-06-07

[21] **3,069,114**
[13] A1
[51] **Int.Cl. B60R 21/00 (2006.01) B60W 30/06 (2006.01) G08G 1/14 (2006.01)**
[25] EN
[54] **PARKING ASSISTANCE METHOD AND PARKING ASSISTANCE DEVICE**
[54] **PROCEDE ET DISPOSITIF D'AIDE AU STATIONNEMENT**
[72] SUZUKI, YASUHIRO, JP
[72] SATO, KO, JP
[72] TANAKA, DAISUKE, JP
[72] SAKURAI, YASUHIRO, JP
[72] YAMANAKA, RYOTA, JP
[72] KOBAYASHI, JUNYA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-06
[86] 2017-07-07 (PCT/JP2017/025012)
[87] (WO2019/008764)

[21] **3,069,116**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **PERSISTANCE AND LINKING OF ANALYTIC PRODUCTS IN BIG DATA ENVIRONMENTS**
[54] **PERSISTANCE ET LIAISON DE PRODUITS ANALYTIQUES DANS DES ENVIRONNEMENTS DE BIG DATA**
[72] MIRHAJI, PARSA, US
[72] AASMAN, JANNES, US
[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, INC., US
[71] FRANZ, INC., US
[85] 2020-01-06
[86] 2017-07-14 (PCT/US2017/042182)
[87] (WO2018/013954)
[30] US (62/362,989) 2016-07-15

[21] **3,069,117**
[13] A1
[51] **Int.Cl. B60R 21/00 (2006.01)**
[25] EN
[54] **PARKING ASSISTANCE METHOD AND PARKING ASSISTANCE DEVICE**
[54] **PROCEDE D'AIDE AU STATIONNEMENT ET DISPOSITIF D'AIDE AU STATIONNEMENT**
[72] SUZUKI, YASUHIRO, JP
[72] SATO, KO, JP
[72] TANAKA, DAISUKE, JP
[72] SAKURAI, YASUHIRO, JP
[72] YAMANAKA, RYOTA, JP
[72] KOBAYASHI, JUNYA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-06
[86] 2017-07-07 (PCT/JP2017/025007)
[87] (WO2019/008760)

[21] **3,069,118**
[13] A1
[51] **Int.Cl. A61K 31/7076 (2006.01) A61K 9/00 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING AND TREATING DIABETIC NEPHROPATHY INCLUDING ADENOSINE DERIVATIVE**
[54] **COMPOSITION PHARMACEUTIQUE POUR LA PREVENTION ET LE TRAITEMENT DE LA NEPHROPATHIE DIABETIQUE, CONTENANT UN DERIVE D'ADENOSINE**
[72] KIM, HEA OK, KR
[72] PARK, CHONG-WOO, KR
[72] YU, MI RA, KR
[72] PARK, BO MI, KR
[71] FUTURE MEDICINE CO., LTD., KR
[85] 2020-01-06
[86] 2018-07-06 (PCT/KR2018/007717)
[87] (WO2019/009674)
[30] KR (10-2017-0086703) 2017-07-07

[21] **3,069,119**
[13] A1
[51] **Int.Cl. C12N 9/16 (2006.01) A61K 47/68 (2017.01) A61K 38/00 (2006.01)**
[25] EN
[54] **NOVEL THERAPEUTIC ENZYME FUSION PROTEIN AND USE THEREOF**
[54] **NOUVELLE PROTEINE DE FUSION ENZYMATIQUE THERAPEUTIQUE ET UTILISATION ASSOCIEE**
[72] HEO, YONG HO, KR
[72] KIM, JIN YOUNG, KR
[72] CHOI, IN YOUNG, KR
[72] JUNG, SUNG YOUB, KR
[71] HANMI PHARM. CO., LTD., KR
[85] 2020-01-06
[86] 2018-07-09 (PCT/KR2018/007754)
[87] (WO2019/009684)
[30] KR (10-2017-0086594) 2017-07-07

[21] **3,069,120**
[13] A1
[51] **Int.Cl. A46B 5/00 (2006.01) A46B 7/04 (2006.01)**
[25] EN
[54] **ELONGATED PAINTING APPARATUS**
[54] **APPAREIL DE PEINTURE ALLONGE**
[72] RIES, SUSAN, US
[71] RIES, SUSAN, US
[85] 2020-01-06
[86] 2018-05-08 (PCT/US2018/031603)
[87] (WO2018/231374)
[30] US (62/518,153) 2017-06-12

[21] **3,069,121**
[13] A1
[51] **Int.Cl. H01M 4/04 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **ELECTRODE SLURRY COMPOSITION FOR LITHIUM ION ELECTRICAL STORAGE DEVICES**
[54] **COMPOSITION DE SUSPENSION D'ELECTRODE POUR DISPOSITIFS DE STOCKAGE D'ELECTRICITE AUX IONS DE LITHIUM**
[72] HELLRING, STUART D., US
[72] STEWART, MATTHEW, US
[72] DAUGHENBAUGH, RANDY E., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041075)
[87] (WO2019/010405)
[30] US (62/529,524) 2017-07-07

[21] **3,069,122**
[13] A1
[51] **Int.Cl. G01N 1/40 (2006.01) B01D 61/22 (2006.01) B01L 3/00 (2006.01) G01N 1/28 (2006.01) B01L 7/00 (2006.01) G01N 35/10 (2006.01)**
[25] EN
[54] **FINE TANK PRESSURE CONTROL USING THERMAL ENERGY FOR PREPARING CYTOLOGICAL SPECIMENS FROM PATIENT SAMPLES**
[54] **COMMANDE DE PRESSION FINE DE RESERVOIR UTILISANT L'ENERGIE THERMIQUE PERMETTANT LA PREPARATION D'ECHANTILLONS CYTOLOGIQUES A PARTIR D'ECHANTILLONS OBTENUS AUPRES D'UN PATIENT**
[72] HUNT, BARRY F., US
[71] HOLOGIC, INC., US
[85] 2020-01-06
[86] 2018-05-31 (PCT/US2018/035382)
[87] (WO2019/018072)
[30] US (15/652,122) 2017-07-17

[21] **3,069,123**
[13] A1
[51] **Int.Cl. A61K 35/35 (2015.01) C12N 15/11 (2006.01) C12N 15/88 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **EXOSOMES AND METHODS OF USE THEREOF**
[54] **EXOSOMES ET PROCEDES D'UTILISATION**
[72] FREISHTAT, ROBERT J., US
[72] NADLER, EVAN P., US
[71] CHILDREN'S NATIONAL MEDICAL CENTER, US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041020)
[87] (WO2019/010373)
[30] US (62/529,093) 2017-07-06

[21] **3,069,124**
[13] A1
[51] **Int.Cl. A61L 11/00 (2006.01) A61L 2/02 (2006.01) A61L 2/10 (2006.01) A61M 5/32 (2006.01) B09B 5/00 (2006.01) H05B 6/78 (2006.01) H05B 6/80 (2006.01)**
[25] EN
[54] **MEDICAL SHARP REMOVAL AND STORAGE DEVICE**
[54] **DISPOSITIF MEDICAL DE RETRAIT ET DE STOCKAGE D'OBJETS MEDICAUX TRANCHANTS**
[72] LIMAYE, AMIT, US
[72] SCHIFF, DAVID, US
[72] CHANG, ERIC, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-01-06
[86] 2018-06-22 (PCT/US2018/039030)
[87] (WO2019/010017)
[30] US (62/529,926) 2017-07-07
[30] US (62/530,001) 2017-07-07

[21] **3,069,125**
[13] A1
[51] **Int.Cl. A61K 31/337 (2006.01) A61K 31/4355 (2006.01)**
[25] EN
[54] **VOLTAGE-ACTIVATED THERAPEUTIC, DIAGNOSTIC, AND/OR THERANOSTIC CONSTRUCTS**
[54] **CONSTRUCTIONS THERAPEUTIQUES, DIAGNOSTIQUES ET/OU THERANOSTIQUES ACTIVEES PAR TENSION**
[72] WRENN, STEVEN, US
[72] ANGEL, BRETT, US
[72] KOHUT, ANDREW, US
[72] FAFARMAN, AARON, US
[72] CIMORELLI, MICHAEL, US
[71] DREXEL UNIVERSITY, US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041095)
[87] (WO2019/010418)
[30] US (62/529,700) 2017-07-07

[21] **3,069,126**
[13] A1
[51] **Int.Cl. A45D 24/04 (2006.01) A45D 24/10 (2006.01)**
[25] EN
[54] **HAIR BRUSH WITH MULTI DIRECTIONAL MOVING BRISTLES**
[54] **BROSSE A CHEVEUX AVEC POILS MOBILES MULTIDIRECTIONNELS**
[72] VRTARIC, KEVIN, US
[71] VRTARIC, KEVIN, US
[85] 2020-01-06
[86] 2018-06-28 (PCT/US2018/039887)
[87] (WO2019/010048)
[30] US (15/643,200) 2017-07-06

[21] **3,069,127**
[13] A1
[51] **Int.Cl. A61K 31/18 (2006.01) A61K 31/404 (2006.01) A61K 31/42 (2006.01) A61K 31/426 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING CATECHOLAMINERGIC POLYMORPHIC VENTRICULAR TACHYCARDIA**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT OU LA PREVENTION DE TROUBLES LIES A LA TACHYCARDIE VENTRICULAIRE POLYMORPHE CATECHOLAMINERGIQUE**
[72] PU, WILLIAM, US
[72] BEZZERIDES, VASSILIOS, US
[72] ZHANG, DONGHUI, US
[71] CHILDRENS' MEDICAL CENTER CORPORATION, US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041043)
[87] (WO2019/010386)
[30] US (62/529,256) 2017-07-06

[21] **3,069,128**
[13] A1
[51] **Int.Cl. E21B 44/02 (2006.01) E21B 45/00 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **METHODS OF DRILLING A WELLBORE WITHIN A SUBSURFACE REGION AND DRILLING CONTROL SYSTEMS THAT PERFORM THE METHODS**
[54] **PROCEDES DE FORAGE D'UN PUITS DE FORAGE DANS UNE REGION SOUTERRAINE ET SYSTEMES DE COMMANDE DE FORAGE QUI METTENT EN OEUVRE LES PROCEDES**
[72] KUMARAN, KRISHNAN, US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-01-06
[86] 2018-06-28 (PCT/US2018/040058)
[87] (WO2019/036122)
[30] US (62/545,120) 2017-08-14
[30] US (62/608,242) 2017-12-20

[21] **3,069,129**
[13] A1
[51] **Int.Cl. G06Q 50/04 (2012.01) B23K 9/095 (2006.01)**
[25] EN
[54] **WELDING SYSTEM PARAMETER COMPARISON SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMPARAISON DE PARAMETRES DE SYSTEMES DE SOUDAGE**
[72] LAMERS, NATHAN JOHN, US
[72] LEITERITZ, NATHAN GERALD, US
[72] FROLAND, KNUT NORMAN, US
[72] HOLVERSON, TODD EARL, US
[72] POPP, GREGORY D., US
[72] KRISHER, CALEB ROBERT, US
[72] GILL, MICHAEL ANTHONY, US
[72] LINDEMAN, RYAN, US
[72] PLISKA, ADAM, US
[72] BONNELL, JASON, US
[72] WEST, TRET, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-01-06
[86] 2018-07-03 (PCT/US2018/040732)
[87] (WO2019/014024)
[30] US (15/645,096) 2017-07-10
[30] US (15/664,298) 2017-07-31

[21] **3,069,130**
[13] A1
[51] **Int.Cl. G01S 7/481 (2006.01) G01S 17/02 (2020.01) G02B 26/08 (2006.01) G02B 26/10 (2006.01)**
[25] EN
[54] **LADAR TRANSMITTER WITH REIMAGER**
[54] **EMETTEUR LADAR AVEC REIMAGEUR**
[72] DUSSAN, LUIS CARLOS, US
[72] DEMMER, DAVID R., CA
[72] STOCKTON, JOHN, US
[72] STEINHARDT, ALLAN, US
[72] COOK, DAVID, US
[71] AEYE, INC., US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041102)
[87] (WO2019/010425)
[30] US (15/644,242) 2017-07-07

[21] **3,069,131**
[13] A1
[51] **Int.Cl. B65D 81/26 (2006.01) A47J 47/14 (2006.01) B65D 21/02 (2006.01) B65D 25/04 (2006.01) B65D 25/24 (2006.01) B65D 43/02 (2006.01) B65D 65/46 (2006.01) B65D 85/36 (2006.01)**
[25] EN
[54] **CONTAINER FOR TRANSPORT AND STORAGE OF FOOD PRODUCTS**
[54] **RECIPIENT POUR LE TRANSPORT ET LE STOCKAGE DE PRODUITS ALIMENTAIRES**
[72] CHIANG, CASPER W., US
[72] MINKLER, DOUGLAS J., US
[72] COLLINS, JULIA, US
[72] GARDEN, ALEXANDER JOHN, US
[72] WAJDA, CHESTER, US
[71] ZUME, INC., US
[85] 2020-01-06
[86] 2018-07-03 (PCT/US2018/040749)
[87] (WO2019/010199)
[30] US (62/529,933) 2017-07-07

[21] **3,069,132**
[13] A1
[51] **Int.Cl. H01M 4/04 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **ELECTRODE BINDER SLURRY COMPOSITION FOR LITHIUM ION ELECTRICAL STORAGE DEVICES**
[54] **COMPOSITION DE SUSPENSION DE LIANT D'ELECTRODE POUR DISPOSITIFS DE STOCKAGE ELECTRIQUE AU LITHIUM-ION**
[72] HELLRING, STUART D., US
[72] SINGER, DEBRA L., US
[72] STEWART, MATTHEW, US
[72] MOHIN, JACOB W., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041046)
[87] (WO2019/010388)
[30] US (62/529,497) 2017-07-07

[21] **3,069,133**
[13] A1
[51] **Int.Cl. H04W 52/02 (2009.01)**
[25] EN
[54] **LOW POWER CELLULAR BASE STATION**
[54] **STATION DE BASE CELLULAIRE A FAIBLE PUISSANCE**
[72] LOTTER, MICHIEL PETRUS, US
[71] NEXTIVITY, INC., US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041122)
[87] (WO2019/010438)
[30] US (62/530,023) 2017-07-07

[21] **3,069,134**
[13] A1
[51] **Int.Cl. C08L 81/02 (2006.01) C08K 3/00 (2018.01) C08K 5/00 (2006.01)**
[25] EN
[54] **HYDRAULIC FLUID AND FUEL RESISTANT SEALANTS**
[54] **PRODUITS D'ETANCHEITE RESISTANT AUX CARBURANTS ET AUX FLUIDES HYDRAULIQUES**
[72] LIN, RENHE, US
[72] CUI, WEIBIN, US
[71] PRC-DESOTO INTERNATIONAL, INC., US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041151)
[87] (WO2019/010457)
[30] US (15/644,587) 2017-07-07

[21] **3,069,135**
[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 9/00 (2006.01) B29C 53/00 (2006.01)**
[25] EN
[54] **BIOERODIBLE DRUG DELIVERY IMPLANTS**
[54] **DISPOSITIFS D'ADMINISTRATION DE MEDICAMENTS BIOERODABLES**
[72] WHITFIELD, GARRETT, US
[72] MATHEW, IDICULA, US
[72] DEVLIN, MATTHEW, US
[72] MCVEY, ANTHONY, US
[71] HERA HEALTH SOLUTIONS INC., US
[85] 2020-01-06
[86] 2018-07-08 (PCT/US2018/041175)
[87] (WO2019/014076)
[30] US (62/530,166) 2017-07-08

[21] **3,069,136**
[13] A1
[51] **Int.Cl. B26B 5/00 (2006.01)**
[25] EN
[54] **UTILITY KNIFE BLADE RETENTION MECHANISM**
[54] **MECANISME DE RETENUE DE LAME DE COUTEAU UNIVERSEL**
[72] DECHANT, STEPHEN P., US
[72] STOKES, STEVEN, US
[71] FISKARS BRANDS, INC., US
[85] 2020-01-06
[86] 2018-07-09 (PCT/US2018/041211)
[87] (WO2019/014093)
[30] US (15/649,325) 2017-07-13

[21] **3,069,137**
[13] A1
[51] **Int.Cl. B29C 33/00 (2006.01) B29C 33/38 (2006.01) B29C 33/40 (2006.01) C08L 83/04 (2006.01) C08L 83/05 (2006.01) C08L 83/07 (2006.01)**
[25] EN
[54] **CURABLE ORGANOPOLYSILOXANE COMPOSITION CONTAINING DYNAMIC COVALENT POLYSILOXANE**
[54] **COMPOSITION DURCISSABLE D'ORGANOPOLYSILOXANE CONTENANT UN POLYSILOXANE COVALENT DYNAMIQUE**
[72] LIU, JIANHUA, US
[72] DARLUCIO, JAMES ROQUE, US
[72] LAMBERT, JAMES MICHAEL, US
[71] AVANTOR PERFORMANCE MATERIALS, LLC, US
[85] 2020-01-06
[86] 2018-07-09 (PCT/US2018/041226)
[87] (WO2019/018147)
[30] US (62/534,406) 2017-07-19

[21] **3,069,138**
[13] A1
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/573 (2006.01) A61K 38/05 (2006.01) A61P 35/00 (2006.01) C07D 241/02 (2006.01)**
[25] EN
[54] **ANTIPROLIFERATIVE COMPOUNDS AND METHODS OF USE THEREOF**
[54] **COMPOSES ANTIPROLIFERATIFS ET METHODES D'UTILISATION DE CEUX-CI**
[72] ALEXANDER, MATTHEW, D., US
[72] ARTMAN, GERALD, D., III, US
[72] BRAY, GORDON, L., US
[72] CARMICHAEL, JAMES, GB
[72] CARRANCIO, SORAYA, US
[72] CATHERS, BRIAN E., US
[72] CORREA, MATTHEW, D., US
[72] HANSEN, JOSHUA, US
[72] HAVENS, COURTNEY, G., US
[72] KERCHER, TIMOTHY, S., US
[72] LOPEZ-GIRONA, ANTONIA, US
[72] LU, XIAOLING, US
[72] MAN, HON-WAH, US
[72] NAGY, MARK, A., US
[72] NARLA, RAMA, K., US
[72] PICCOTTI, JOSEPH, R., US
[72] PIERCE, DANIEL, W., US
[72] TAVARES-GRECO, PAULA, A., US
[72] WHITEFIELD, BRANDON, W., US
[72] WONG, LILLY, L., US
[72] ZOU, NANFEI, US
[71] CELGENE CORPORATION, US
[85] 2020-01-06
[86] 2018-07-09 (PCT/US2018/041230)
[87] (WO2019/014100)
[30] US (62/530,778) 2017-07-10
[30] US (62/593,185) 2017-11-30
[30] US (62/675,581) 2018-05-23

[21] **3,069,139**
[13] A1
[51] **Int.Cl. G01N 27/327 (2006.01) G01N 33/48 (2006.01) G01N 33/50 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01) G01N 33/566 (2006.01) G01R 19/22 (2006.01)**
[25] EN
[54] **BIOACTIVE COATING FOR SURFACE ACOUSTIC WAVE SENSOR**
[54] **REVETEMENT BIOACTIF POUR CAPTEUR D'ONDE ACOUSTIQUE DE SURFACE**
[72] DAS, SOUMEN, US
[72] HAMLYN, JOHN MARTIN, US
[72] GUPTA, AMITAVA, US
[71] AVIANA MOLECULAR TECHNOLOGIES, LLC, US
[85] 2020-01-06
[86] 2018-07-05 (PCT/US2018/040887)
[87] (WO2019/010285)
[30] US (62/529,986) 2017-07-07
[30] US (62/530,735) 2017-07-10

[21] **3,069,140**
[13] A1
[51] **Int.Cl. A61K 51/04 (2006.01) C07D 403/02 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **DOTA-HAPTEN COMPOSITIONS FOR ANTI-DOTA/ANTI-TUMOR ANTIGEN BISPECIFIC ANTIBODY PRETARGETED RADIOIMMUNOTHERAPY**
[54] **COMPOSITIONS DE DOTA-HAPTENE POUR UNE RADIOIMMUNOTHERAPIE PRECIBLEE PAR UN ANTICORPS BISPECIFIQUE ANTIGENE ANTI-DOTA/ANTI-TUMORAL**
[72] CHEAL, SARAH M., US
[72] MCDEVITT, MICHAEL, US
[72] OUERFELLI, OUATHEK, US
[72] LARSON, STEVEN M., US
[72] YANG, GUANGBIN, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2020-01-06
[86] 2018-07-05 (PCT/US2018/040911)
[87] (WO2019/010299)
[30] US (62/529,363) 2017-07-06

[21] **3,069,141**
[13] A1
[51] **Int.Cl. B08B 17/04 (2006.01) C09D 5/16 (2006.01) G01C 13/00 (2006.01) G01N 33/18 (2006.01)**
[25] EN
[54] **ANTIFOULING ACCESSORY FOR FIELD DEPLOYED SENSORS AND INSTRUMENTS**
[54] **ACCESSOIRE ANTISALISSURE POUR DES CAPTEURS ET INSTRUMENTS DEPLOYES SUR LE TERRAIN**
[72] ROJO, MIGUEL ANGEL, US
[72] SCHIRMER, TIFFANY LAVON, US
[71] YSI, INC., US
[85] 2020-01-06
[86] 2018-07-09 (PCT/US2018/041231)
[87] (WO2019/010478)
[30] US (62/529,594) 2017-07-07

[21] **3,069,143**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 3/04 (2006.01) G01N 33/50 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01) G01N 33/74 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING ENDOCRINE FGF-LINKED DISEASES**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT OU DE PREVENTION DE MALADIES LIEES AU FGF ENDOCRINIEN**
[72] SCHLESSINGER, JOSEPH, US
[72] LEE, SANGWON, US
[71] YALE UNIVERSITY, US
[85] 2020-01-06
[86] 2018-07-05 (PCT/US2018/040932)
[87] (WO2019/010314)
[30] US (62/529,215) 2017-07-06

[21] **3,069,144**
[13] A1
[51] **Int.Cl. B01J 29/80 (2006.01) B01D 53/94 (2006.01) B01J 29/76 (2006.01) B01J 35/02 (2006.01)**
[25] EN
[54] **A CATALYST AND METHOD OF USE THEREOF**
[54] **CATALYSEUR ET SON PROCEDE D'UTILISATION**
[72] ZHANG, WENZHONG, US
[72] BAKKER, GEERT MARTEN, NL
[72] LEE, STEVEN RUSSELL, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2020-01-06
[86] 2018-07-09 (PCT/US2018/041279)
[87] (WO2019/014119)
[30] US (62/530,877) 2017-07-11

[21] **3,069,145**
[13] A1
[51] **Int.Cl. A62C 31/00 (2006.01) A62C 35/00 (2006.01) A62C 37/00 (2006.01) F16L 3/00 (2006.01)**
[25] EN
[54] **HANGING CONNECTOR FOR FLEXIBLE SPRINKLER CONDUIT**
[54] **RACCORD SUSPENDU POUR CONDUIT DE GICLEUR D'INCENDIE SOUPLE**
[72] BEAGEN, JOSEPH, US
[71] ANVIL INTERNATIONAL, LLC, US
[85] 2020-01-06
[86] 2018-07-05 (PCT/US2018/040938)
[87] (WO2019/010319)
[30] US (15/644,141) 2017-07-07

[21] **3,069,146**
[13] A1
[51] **Int.Cl. B32B 17/10 (2006.01) B23K 26/364 (2014.01) E06B 3/66 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR LASER ABLATION/SCRIBING OF COATINGS IN PRE-AND POST-LAMINATED ASSEMBLIES, AND/OR ASSOCIATED METHODS**
[54] **TECHNIQUES DE COUPE/TRACAGE AU LASER DE REVETEMENTS DANS DES ENSEMBLES PRE ET POST-STRATIFIES, ET/OU PROCEDES ASSOCIES**
[72] VEERASAMY, VIJAYEN S., US
[71] GUARDIAN GLASS, LLC, US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/040968)
[87] (WO2019/014046)
[30] US (15/645,387) 2017-07-10

[21] **3,069,147**
[13] A1
[51] **Int.Cl. H01M 4/04 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **ELECTRODE BINDER SLURRY COMPOSITION FOR LITHIUM ION ELECTRICAL STORAGE DEVICES**
[54] **COMPOSITION DE BOUILLIE DE LIANT D'ELECTRODE POUR DISPOSITIFS DE STOCKAGE ELECTRIQUE AU LITHIUM-ION**
[72] HELLRING, STUART D., US
[72] SISCO, SCOTT W., US
[72] MOHIN, JACOB W., US
[72] SWARUP, SHANTI, US
[72] MUNRO, CALUM H., US
[72] JONES, OLIVIA LYNN, US
[72] PLAZIO, RYAN T., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041131)
[87] (WO2019/010443)
[30] US (62/529,499) 2017-07-07

[21] **3,069,148**
[13] A1
[51] **Int.Cl. C12Q 1/682 (2018.01) G01N 21/77 (2006.01)**
[25] EN
[54] **SIGNAL AMPLIFICATION IN BIOSENSOR DEVICE**
[54] **AMPLIFICATION DE SIGNAL DANS UN DISPOSITIF BIOCAPTEUR**
[72] DAS, SOUMEN, US
[72] HAMLYN, JOHN MARTIN, US
[71] AVIANA MOLECULAR TECHNOLOGIES, LLC, US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/040977)
[87] (WO2019/014049)
[30] US (62/531,238) 2017-07-11

[21] **3,069,149**
[13] A1
[51] **Int.Cl. F16K 31/02 (2006.01) F03G 7/06 (2006.01) F15C 3/04 (2006.01) F16K 99/00 (2006.01)**
[25] EN
[54] **LOW-VOLTAGE MICROFLUIDIC ACTUATOR DRIVEN BY TENSION MODIFICATION**
[54] **ACTIONNEUR MICROFLUIDIQUE BASSE-TENSION ENTRAINE PAR MODIFICATION DE TENSION**
[72] HASAN, NAZMUL, US
[72] KHAN, FARIHA, US
[72] PANDEY, SHASHANK S., US
[72] BANERJEE, AISHWARYADEV, US
[72] KIM, HANSEUP, US
[72] MASTRANGELO, CARLOS H., US
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[85] 2020-01-06
[86] 2018-07-09 (PCT/US2018/041307)
[87] (WO2019/010493)
[30] US (62/529,961) 2017-07-07

[21] **3,069,150**
[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61P 7/04 (2006.01) A61K 31/713 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING A BLEEDING EVENT IN A SUBJECT HAVING HEMOPHILIA**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT D'UN EVENEMENT DE SAIGNEMENT CHEZ UN SUJET ATTEINT D'HEMOPHILIE**
[72] AKINC, AKIN, US
[71] GENZYME CORPORATION, US
[85] 2020-01-06
[86] 2018-07-10 (PCT/US2018/041400)
[87] (WO2019/014187)
[30] US (62/530,518) 2017-07-10
[30] US (62/599,223) 2017-12-15
[30] US (62/614,111) 2018-01-05
[30] US (62/673,424) 2018-05-18

[21] **3,069,151**
[13] A1
[51] **Int.Cl. B01D 17/038 (2006.01) B04C 5/08 (2006.01) C02F 9/08 (2006.01) E21B 43/34 (2006.01)**
[25] EN
[54] **PROCESSES FOR REMOVING OIL FROM SEPARATED WATER STREAMS**
[54] **PROCEDES D'ELIMINATION D'HUILE A PARTIR DE COURANTS D'EAU SEPARES**
[72] MCLIN, KRISTIE S., US
[72] SHARMA, RAMESH, US
[72] DESLAURIER, GREGORY A., US
[72] CARRASCO, REINALDO G., US
[72] BUZAN, JAMES B., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2020-01-06
[86] 2018-07-10 (PCT/US2018/041421)
[87] (WO2019/014208)
[30] US (62/531,651) 2017-07-12

[21] **3,069,153**
[13] A1
[51] **Int.Cl. A47C 1/024 (2006.01) A47C 1/022 (2006.01) A47C 1/035 (2006.01)**
[25] EN
[54] **CHAIR**
[54] **CHAISE**
[72] SMITH, SHAUN, US
[72] THEESFELD, JEFFERY, US
[71] UNION DESIGN DEVELOPMENT LLC, US
[85] 2020-01-06
[86] 2018-07-11 (PCT/US2018/041544)
[87] (WO2019/014291)
[30] US (62/531,631) 2017-07-12

[21] **3,069,154**
[13] A1
[51] **Int.Cl. H01L 41/04 (2006.01) G01N 29/00 (2006.01) H01L 41/08 (2006.01)**
[25] EN
[54] **MULTIPLEXING SURFACE ACOUSTIC WAVE SENSORS WITH DELAY LINE CODING**
[54] **CAPTEURS D'ONDES ACOUSTIQUES DE SURFACE DE MULTIPLEXAGE A CODAGE DE LIGNE A RETARD**
[72] LAMOTHE, MARC, US
[72] LI, MO-HUANG, US
[71] AVIANA MOLECULAR TECHNOLOGIES, LLC, US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/040993)
[87] (WO2019/010356)
[30] US (62/529,725) 2017-07-07

[21] **3,069,155**
[13] A1
[51] **Int.Cl. A61K 31/58 (2006.01) A61K 9/00 (2006.01) A61K 31/715 (2006.01)**
[25] EN
[54] **RADIATION STERILIZATION OF HYPERCOMPRESSED POLYMER DOSAGE FORMS**
[54] **STERILISATION PAR RAYONNEMENT DE FORMES POSOLOGIQUES DE POLYMERE HYPERCOMPRIMEES**
[72] LIBIN, BARRY M., US
[72] LIEBMANN, JEFFREY M., US
[72] CHEN, WEILIAM, US
[71] SUSTAINED NANO SYSTEMS LLC, US
[85] 2020-01-06
[86] 2018-07-10 (PCT/US2018/041511)
[87] (WO2019/014269)
[30] US (62/531,239) 2017-07-11

[21] **3,069,156**
[13] A1
[51] **Int.Cl. C03C 17/36 (2006.01) C03C 23/00 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR LASER ABLATION/SCRIBING OF COATINGS IN PRE-AND POST-ASSEMBLED INSULATED GLASS UNITS, AND/OR ASSOCIATED METHODS**
[54] **TECHNIQUES POUR L'ABLATION/TRACAGE PAR LASER DE REVETEMENTS DANS DES VITRAGES ISOLANTS PRE-ASSEMBLES ET POST-ASSEMBLES, ET/OU PROCEDES ASSOCIES**
[72] VEERASAMY, VIJAYEN S., US
[72] VANDAL, ROBERT A., US
[71] GUARDIAN GLASS, LLC, US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041002)
[87] (WO2019/014052)
[30] US (15/645,448) 2017-07-10

[21] **3,069,158**
[13] A1
[51] **Int.Cl. A61J 3/07 (2006.01) A61K 9/48 (2006.01) A61K 9/52 (2006.01)**
[25] EN
[54] **DUAL RELEASE DOSAGE FORM CAPSULE AND METHODS, DEVICES AND SYSTEMS FOR MAKING SAME**
[54] **CAPSULE A DOUBLE FORME POSOLOGIQUE POUR LIBERATION ET PROCEDES, DISPOSITIFS ET SYSTEMES POUR LA PRODUIRE**
[72] PUCKETT, JOHN, US
[71] GEL CAP TECHNOLOGIES, LLC, US
[85] 2020-01-06
[86] 2018-07-10 (PCT/US2018/041516)
[87] (WO2019/014273)
[30] US (62/530,658) 2017-07-10

[21] **3,069,159**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **HYPERCOMPRESSED PHARMACEUTICAL FORMULATIONS**
[54] **FORMULATIONS PHARMACEUTIQUES HYDROCOMPRESSEES**
[72] LIBIN, BARRY M., US
[72] LIEBMANN, JEFFREY M., US
[72] CHEN, WEILIAM, US
[71] SUSTAINED NANO SYSTEMS LLC, US
[85] 2020-01-06
[86] 2018-07-10 (PCT/US2018/041530)
[87] (WO2019/014280)
[30] US (62/531,264) 2017-07-11

[21] **3,069,160**
[13] A1
[51] **Int.Cl. C07D 493/22 (2006.01)**
[25] EN
[54] **SYNTHESIS OF HALICHONDRINS**
[54] **SYNTHESE D'HALICHONDRINES**
[72] FUKUYAMA, TAKASHI, JP
[72] KISHI, YOSHITO, US
[72] AI, YANRAN, US
[72] YE, NING, CN
[72] WANG, QIAOYI, US
[72] YAHATA, KENZO, JP
[72] ISO, KENTARO, JP
[72] NAINI, SANTHOSH REDDY, US
[72] YAMASHITA, SHUJI, JP
[72] LEE, JIHOON, KR
[72] OHASHI, ISAO, JP
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[71] EISAI R & D MANAGEMENT CO., LTD., JP
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041005)
[87] (WO2019/010363)
[30] US (62/529,333) 2017-07-06
[30] US (62/529,310) 2017-07-06

[21] **3,069,161**
[13] A1
[51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/17 (2006.01)**
[25] EN
[54] **PROGRAMMING A PROTECTION DEVICE FOR A MOLDING MACHINE**
[54] **PROGRAMMATION D'UN DISPOSITIF DE PROTECTION POUR UNE MACHINE DE MOULAGE**
[72] WANG, ZHIMING, CA
[72] DEUTSH, MENNY, CA
[72] KARNER, RICHARD, CA
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2020-01-07
[86] 2018-06-11 (PCT/CA2018/050694)
[87] (WO2019/014749)
[30] US (62/535,358) 2017-07-21

[21] **3,069,164**
[13] A1
[51] **Int.Cl. C09D 5/00 (2006.01) C09D 4/06 (2006.01) C09D 133/08 (2006.01)**
[25] EN
[54] **AQUEOUS DISPERSION AND AQUEOUS COATING COMPOSITION COMPRISING THE SAME**
[54] **DISPERSION AQUEUSE ET COMPOSITION AQUEUSE DE REVETEMENT LA COMPRENANT**
[72] LIN, DAOSHU, CN
[72] XU, JIANMING, CN
[72] ZHANG, QINGWEI, CN
[72] BOHLING, JAMES, US
[72] DOLL, PAUL, US
[72] ZOU, JIAN, CN
[72] YANG, LIU, CN
[72] PU, GONGWEI, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2020-01-07
[86] 2017-07-11 (PCT/CN2017/092468)
[87] (WO2019/010628)

[21] **3,069,166**
[13] A1
[51] **Int.Cl. H01M 4/04 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **ELECTRODE BINDER SLURRY COMPOSITION FOR LITHIUM ION ELECTRICAL STORAGE DEVICES**
[54] **COMPOSITION DE BOUILLIE DE LIANT D'ELECTRODE DESTINEE A DES DISPOSITIFS DE STOCKAGE ELECTRIQUE AU LITHIUM-ION**
[72] HELLRING, STUART D., US
[72] BEZAK, MICHAEL R., US
[72] DAUGHENBAUGH, RANDY E., US
[72] SISCO, SCOTT W., US
[72] MOHIN, JACOB W., US
[72] MUNRO, CALUM H., US
[72] STEWART, MATTHEW, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041012)
[87] (WO2019/010366)
[30] US (62/529,498) 2017-07-07

[21] **3,069,170**
[13] A1
[51] **Int.Cl. C09D 7/00 (2018.01) A61L 9/01 (2006.01)**
[25] EN
[54] **AQUEOUS DISPERSION AND AQUEOUS COATING COMPOSITION COMPRISING THE SAME**
[54] **DISPERSION AQUEUSE ET COMPOSITION DE REVETEMENT AQUEUSE LA COMPRENANT**
[72] LIN, DAOSHU, CN
[72] XU, JIANMING, CN
[72] DUAN, SHUYU, CN
[72] ZOU, JIAN, CN
[72] BOHLING, JAMES, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2020-01-07
[86] 2017-07-11 (PCT/CN2017/092472)
[87] (WO2019/010629)

[21] **3,069,172**
[13] A1
[51] **Int.Cl. C07D 513/04 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **2-OXO-1-IMIDAZOLIDINYL IMIDAZOTHIADIAZOLE DERIVATIVES**
[54] **DERIVES DE 2-OXO-1-IMIDAZOLIDINYL IMIDAZOTHIADIAZOLE**
[72] PROVINS, LAURENT, BE
[72] CHANTEUX, HUGUES, BE
[71] UCB BIOPHARMA SRL, BE
[85] 2020-01-07
[86] 2018-07-05 (PCT/EP2018/068201)
[87] (WO2019/011767)
[30] EP (17180431.3) 2017-07-10

[21] **3,069,174**
[13] A1
[51] **Int.Cl. A41G 1/00 (2006.01) E01C 13/08 (2006.01)**
[25] EN
[54] **SYNTHETIC GROUND COVER SYSTEM FOR EROSION PROTECTION**
[54] **SYSTEME DE REVETEMENT DE SOL SYNTHETIQUE POUR LA PROTECTION CONTRE L'EROSION**
[72] AYERS, MICHAEL, US
[72] URRUTIA, JOSE, US
[71] WATERSHED GEOSYNTHETICS LLC, US
[85] 2020-01-06
[86] 2018-07-11 (PCT/US2018/041600)
[87] (WO2019/014324)
[30] US (15/646,287) 2017-07-11

[21] **3,069,176**
[13] A1
[51] **Int.Cl. D06F 39/02 (2006.01) A47L 15/44 (2006.01) D06F 39/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR REDUCING AUTO-DOSING FLUCTUATION OF AN AUTOMATIC CLEANING MACHINE**
[54] **PROCEDE ET SYSTEME DE REDUCTION DE FLUCTUATION D'AUTO-DOSAGE D'UNE MACHINE DE NETTOYAGE AUTOMATIQUE**
[72] TANG, MING, CN
[72] YANG, XIAOLIN, CN
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-07
[86] 2017-07-27 (PCT/CN2017/094615)
[87] (WO2019/019078)

[21] **3,069,178**
[13] A1
[51] **Int.Cl. C12P 17/06 (2006.01) C12P 7/42 (2006.01)**
[25] EN
[54] **GENERATION OF WATER-SOLUBLE CANNABINOID COMPOUNDS IN YEAST AND PLANT CELL SUSPENSION CULTURES AND COMPOSITIONS OF MATTER**
[54] **GENERATION DE COMPOSES CANNABINOIDES SOLUBLES DANS L'EAU DANS UNE LEVURE ET DES CULTURES EN SUSPENSION DE CELLULES VEGETALES ET COMPOSITIONS DE MATIERE**
[72] SAYRE, RICHARD T., US
[72] GONCALVES, ELTON CARVALHO, US
[72] ZIDENGA, TAWANDA, US
[71] TRAIT BIOSCIENCES, INC., US
[85] 2020-01-06
[86] 2018-07-11 (PCT/US2018/041710)
[87] (WO2019/014395)
[30] US (62/588,662) 2017-11-20
[30] US (62/531,123) 2017-07-11
[30] US (62/621,166) 2018-01-24
[30] US (PCT/US2018/024409) 2018-03-26

[21] **3,069,179**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C12N 15/113 (2010.01) A61K 31/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07K 14/47 (2006.01) C12N 9/78 (2006.01)**
[25] EN
[54] **TARGETING THE HDAC2-SP3 COMPLEX TO ENHANCE SYNAPTIC FUNCTION**
[54] **CIBLAGE DU COMPLEXE HDAC2-SP3 POUR AMELIORER LA FONCTION SYNAPTIQUE**
[72] TSAI, LI-HUEI, US
[72] YAMAKAWA, HIDEKUNI, US
[72] CHENG, JEMMIE, US
[72] GAO, FAN, US
[72] PENNEY, JAY, US
[71] MASSACHUSSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2020-01-06
[86] 2018-07-12 (PCT/US2018/041764)
[87] (WO2019/014418)
[30] US (62/532,026) 2017-07-13

[21] **3,069,180**
[13] A1
[51] **Int.Cl. B29B 7/84 (2006.01) B29B 7/72 (2006.01) B29B 7/74 (2006.01) B29B 7/80 (2006.01) B29B 7/42 (2006.01) B29B 7/48 (2006.01)**
[25] EN
[54] **EXTRUDER SYSTEM WITH PRESSURE REGULATING DEVICE**
[54] **SYSTEME D'EXTRUSION MUNI D'UN DISPOSITIF DE REGULATION DE LA PRESSION**
[72] KIRCHHOFF, JORG, DE
[72] KONIG, THOMAS, DE
[71] ARLANXEO DEUTSCHLAND GMBH, DE
[85] 2020-01-07
[86] 2018-07-06 (PCT/EP2018/068379)
[87] (WO2019/011807)
[30] EP (17180511.2) 2017-07-10

[21] **3,069,181**
[13] A1
[51] **Int.Cl. C12Q 1/02 (2006.01) G09B 19/00 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TAU PROTEIN DEGRADATION**
[54] **COMPOSES POUR LA DEGRADATION DE LA PROTEINE TAU**
[72] GRAY, NATHANAEL S., US
[72] HAGGARTY, STEPHEN J., US
[72] CAI, QUAN, US
[72] TELO BAPTISTA LIMA DA SILVA, MARIA CATARINA, US
[72] ZHANG, TINGHU, US
[72] FERGUSON, FLEUR M., US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[71] THE GENERAL HOSPITAL CORPORATION, D/B/A MASSACHUSETTS GENERAL HOSPITAL, US
[85] 2020-01-06
[86] 2018-07-12 (PCT/US2018/041787)
[87] (WO2019/014429)
[30] US (62/531,773) 2017-07-12

[21] **3,069,182**
[13] A1
[51] **Int.Cl. B07C 5/02 (2006.01)**
[25] EN
[54] **INSPECTION APPARATUS AND METHOD FOR VISUAL INSPECTING ELASTIC PARTICLES**
[54] **APPAREIL D'INSPECTION ET PROCEDE D'INSPECTION VISUELLE DE PARTICULES ELASTIQUES**
[72] PAUL, HANNS-INGOLF, DE
[72] BOENSCH, AXEL, DE
[72] VERCAMMEN, GUY, BE
[72] VAN LOOCK, JAN, BE
[71] ARLANXEO DEUTSCHLAND GMBH, DE
[85] 2020-01-07
[86] 2018-07-06 (PCT/EP2018/068382)
[87] (WO2019/011809)
[30] EP (17180514.6) 2017-07-10

[21] **3,069,183**
[13] A1
[51] **Int.Cl. G06T 7/55 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CREATING AND DISPLAYING INTERACTIVE 3D REPRESENTATIONS OF REAL OBJECTS**
[54] **SYSTEMES ET PROCEDES DE CREATION ET D'AFFICHAGE DE REPRESENTATIONS 3D INTERACTIVES D'OBJETS REELS**
[72] POPOV, KONSTANTIN S., US
[71] CAPPASITY INC., US
[85] 2020-01-06
[86] 2018-07-12 (PCT/US2018/041899)
[87] (WO2019/014497)
[30] US (62/532,900) 2017-07-14

[21] **3,069,184**
[13] A1
[51] **Int.Cl. A61K 8/87 (2006.01) A61K 8/37 (2006.01) A61K 8/81 (2006.01) A61Q 17/04 (2006.01)**
[25] EN
[54] **LIGHT AESTHETIC SUNSCREEN COMPOSITIONS**
[54] **COMPOSITIONS D'ECRAN SOLAIRE A ESTHETIQUE LUMINEUSE**
[72] ZANATTA, CINTHIA, US
[72] MARTIN, JEFFREY DANIEL, US
[72] CONSUL DE MORAES, ALICE APAREDICA, BR
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2020-01-06
[86] 2018-07-13 (PCT/US2018/042045)
[87] (WO2019/014568)
[30] US (15/648,494) 2017-07-13
[30] US (16/033,528) 2018-07-12

[21] **3,069,185**
[13] A1
[51] **Int.Cl. G06F 17/16 (2006.01)**
[25] EN
[54] **OPERATIONAL ACCELERATOR**
[54] **ACCELERATEUR OPERATIONNEL**
[72] LIAO, HENG, CN
[72] LIU, HU, CN
[72] WANG, HAO, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-01-07
[86] 2018-03-08 (PCT/CN2018/078407)
[87] (WO2019/007095)
[30] CN (201710553286.X) 2017-07-07

[21] **3,069,186**
[13] A1
[51] **Int.Cl. H04W 28/06 (2009.01)**
[25] EN
[54] **RADIO LINK CONTROL REASSEMBLING TECHNIQUES IN WIRELESS SYSTEMS**
[54] **TECHNIQUES DE REASSEMBLAGE DE COMMANDE DE RADIOLIAISON DANS DES SYSTEMES SANS FIL**
[72] ZHENG, RUIMING, US
[72] YU, YU-TING, US
[72] KUBOTA, KEIICHI, US
[72] HORN, GAVIN BERNARD, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-01-07
[86] 2018-08-09 (PCT/CN2018/099621)
[87] (WO2019/029619)
[30] CN (PCT/CN2017/097059) 2017-08-11

[21] **3,069,187**
[13] A1
[51] **Int.Cl. H04W 28/06 (2009.01)**
[25] EN
[54] **RADIO LINK CONTROL UNACKNOWLEDGED MODE RECEIVE TECHNIQUES**
[54] **TECHNIQUES DE RECEPTION EN MODE SANS ACCUSE DE RECEPTION DE COMMANDE DE LIAISON RADIO**
[72] ZHENG, RUIMING, US
[72] YU, YU-TING, US
[72] KUBOTA, KEIICHI, US
[72] HORN, GAVIN BERNARD, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-01-07
[86] 2018-08-09 (PCT/CN2018/099678)
[87] (WO2019/029633)
[30] CN (PCT/CN2017/097233) 2017-08-11

[21] **3,069,188**
[13] A1
[51] **Int.Cl. G01R 31/08 (2020.01) G01R 31/12 (2020.01) G01R 31/14 (2006.01)**
[25] EN
[54] **METHOD AND TESTING DEVICE FOR MEASURING PARTIAL DISCHARGE PULSES OF A SHIELDED CABLE**
[54] **PROCEDE ET DISPOSITIF D'ESSAI POUR LA MESURE D'IMPULSIONS DE DECHARGE PARTIELLE D'UN CABLE BLINDE**
[72] WINKELMANN, ERIK, DE
[71] MASCHINENFABRIK REINHAUSEN GMBH, DE
[85] 2020-01-07
[86] 2018-04-26 (PCT/EP2018/060698)
[87] (WO2019/020225)
[30] DE (10 2017 116 613.0) 2017-07-24

[21] **3,069,192**
[13] A1
[51] **Int.Cl. B60C 11/16 (2006.01)**
[25] EN
[54] **SPIKE FOR ANCHORING IN A SPIKE HOLE OF A TREAD OF A PNEUMATIC VEHICLE TYRE, AND PNEUMATIC VEHICLE TYRE WITH SPIKES**
[54] **CRAMPON DESTINE A ETRE ANCRE DANS UN TROU DE CRAMPON D'UNE BANDE DE ROULEMENT D'UN PNEUMATIQUE DE VEHICULE ET PNEUMATIQUE DE VEHICULE EQUIPE DE CRAMPONS**
[72] SCHLITTENHARD, JAN, DE
[72] KOTTER, MAIK, DE
[72] SPECHTMEYER, TORBEN, DE
[71] CONTINENTAL REIFEN DEUTSCHLAND GMBH, DE
[85] 2020-01-07
[86] 2018-05-08 (PCT/EP2018/061758)
[87] (WO2019/037900)
[30] DE (10 2017 214 868.3) 2017-08-24

[21] **3,069,193**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61Q 7/00 (2006.01)**
[25] EN
[54] **PROLACTIN RECEPTOR ANTIBODY FOR MALE AND FEMALE PATTERN HAIR LOSS**
[54] **ANTICORPS DU RECEPTEUR DE PROLACTINE POUR TRAITER LA PERTE DE CHEVEUX CHEZ L'HOMME ET LA FEMME**
[72] MAY, EKKEHARD, DE
[72] JODL, STEFAN JOACHIM, DE
[72] KRATZSCHMAR, JORN, DE
[72] OTTO, CHRISTIANE, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2020-01-07
[86] 2018-07-03 (PCT/EP2018/067912)
[87] (WO2019/011719)
[30] EP (17180554.2) 2017-07-10

[21] **3,069,194**
[13] A1
[51] **Int.Cl. C12N 15/864 (2006.01) C07K 14/755 (2006.01)**
[25] EN
[54] **MEANS AND METHODS FOR AAV GENE THERAPY IN HUMANS**
[54] **MOYENS ET PROCEDES DE THERAPIE GENIQUE PAR LE VIRUS ADENO ASSOCIE (VAA) CHEZ DES HUMAINS**
[72] NIJMEIJER, BART ANTONIUS, NL
[72] FERREIRA, VALERIE, NL
[71] UNIQURE IP B.V., NL
[85] 2020-01-07
[86] 2018-07-10 (PCT/EP2018/068615)
[87] (WO2019/011893)
[30] EP (17180601.1) 2017-07-10

[21] **3,069,195**
[13] A1
[51] **Int.Cl. C07K 7/08 (2006.01)**
[25] EN
[54] **METAL NANOCLUSTER SCAFFOLDS**
[54] **ECHAFAUDAGES DE NANOAGREGATS METALLIQUES**
[72] LOPEZ CORTAJARENA, AITZIBER, ES
[72] AIRES TRAPOTE, ANTONIO, ES
[71] ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOMATERIALES- CIC BMAGUNE, ES
[85] 2020-01-07
[86] 2018-07-10 (PCT/EP2018/068710)
[87] (WO2019/011938)
[30] EP (17382451.7) 2017-07-11

[21] **3,069,196**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/6809 (2018.01) G16H 50/30 (2018.01) A61B 5/00 (2006.01) C12Q 1/26 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **RISK ASSESSMENT TOOL FOR PATIENTS WITH SEPSIS**
[54] **OUTIL D'EVALUATION DE RISQUE POUR PATIENTS ATTEINTS D'UN SEPSIS**
[72] LIAW, PATRICIA, CA
[72] FOX-ROBICHAUD, ALISON, CA
[72] SELVAGANAPATHY, PONNAMBALAM (RAVI), CA
[72] LIAW, KAO-LEE, CA
[72] DWIVEDI, DHRUVA, CA
[72] MCDONALD, ELLEN, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2020-01-07
[86] 2018-07-09 (PCT/CA2018/050833)
[87] (WO2019/006561)
[30] US (62/529,767) 2017-07-07

[21] **3,069,197**
[13] A1
[51] **Int.Cl. C12N 9/06 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **RECOMBINANT URICASE ENZYME**
[54] **ENZYME URICASE RECOMBINANTE**
[72] DESHPANDE, ADITI R., US
[72] GRUJIC, DANICA, US
[72] GOVINDARAJAN, SRIDHAR, US
[72] WELCH, MARK, US
[71] ALLENA PHARMACEUTICALS, INC., US
[85] 2020-01-06
[86] 2018-07-06 (PCT/US2018/041015)
[87] (WO2019/010369)
[30] US (62/529,726) 2017-07-07
[30] US (62/678,511) 2018-05-31

[21] **3,069,223**
[13] A1
[51] **Int.Cl. F21V 17/10 (2006.01) F21S 8/00 (2006.01) F21S 8/02 (2006.01) F21S 8/04 (2006.01) F21V 17/00 (2006.01) F21V 17/12 (2006.01) F21V 21/00 (2006.01)**
[25] EN
[54] **LIGHT FIXTURE WITH REMOVABLE DRIVER ENCLOSURE**
[54] **LUMINAIRE A ENCEINTE AMOVIBLE DE CIRCUIT D'ATTAQUE**
[72] MORALES, LUIS, US
[72] SINPHAY, ANTHONY, US
[71] HUBBELL INCORPORATED, US
[85] 2020-01-06
[86] 2018-07-13 (PCT/US2018/042110)
[87] (WO2019/014608)
[30] US (62/532,033) 2017-07-13

[21] **3,069,224**
[13] A1
[51] **Int.Cl. H02K 3/28 (2006.01) H02K 19/34 (2006.01)**
[25] EN
[54] **A VOLTAGE GENERATOR AND A METHOD OF MAKING A VOLTAGE GENERATOR**
[54] **GENERATEUR DE TENSION ET PROCEDE DE FABRICATION D'UN GENERATEUR DE TENSION**
[72] CRAIN, STEPHEN G., US
[71] POLARIS INDUSTRIES, INC., US
[85] 2020-01-06
[86] 2018-07-17 (PCT/US2018/042373)
[87] (WO2019/018330)
[30] US (15/653,277) 2017-07-18

[21] **3,069,225**
[13] A1
[51] **Int.Cl. A61K 31/404 (2006.01) A61K 31/4439 (2006.01) A61K 31/47 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATMENT FOR CYSTIC FIBROSIS**
[54] **METHODES DE TRAITEMENT DE LA FIBROSE KYSTIQUE**
[72] HASELTINE, ERIC L., US
[72] MOSKOWITZ, SAMUEL, US
[72] ROBERTSON, SARAH, US
[72] WALTZ, DAVID, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2020-01-06
[86] 2018-07-17 (PCT/US2018/042415)
[87] (WO2019/018353)
[30] US (62/533,388) 2017-07-17
[30] US (62/623,734) 2018-01-30
[30] US (62/633,167) 2018-02-21

[21] **3,069,226**
[13] A1
[51] **Int.Cl. A61K 31/404 (2006.01) A61K 31/443 (2006.01) A61K 31/4439 (2006.01) A61K 31/47 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATMENT FOR CYSTIC FIBROSIS**
[54] **METHODES DE TRAITEMENT DE LA FIBROSE KYSTIQUE**
[72] HASELTINE, ERIC L., US
[72] MOSKOWITZ, SAMUEL, US
[72] ROBERTSON, SARAH, US
[72] WALTZ, DAVID, US
[72] CHEN, WEICHAO GEORGE, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2020-01-06
[86] 2018-07-17 (PCT/US2018/042486)
[87] (WO2019/018395)
[30] US (62/533,392) 2017-07-17
[30] US (62/562,029) 2017-09-22
[30] US (62/623,748) 2018-01-30
[30] US (62/633,024) 2018-02-20
[30] US (62/657,508) 2018-04-13

[21] **3,069,227**
[13] A1
[51] **Int.Cl. E06C 7/18 (2006.01) A62B 35/00 (2006.01)**
[25] EN
[54] **CLIMB ASSIST AND FALL ARREST SYSTEM**
[54] **SYSTEME D'AIDE A L'ESCALADE ET ANTI-CHUTE**
[72] KNICKREHM, MORGAN, US
[71] SAFEWORKS, LLC, US
[85] 2020-01-06
[86] 2018-07-17 (PCT/US2018/042519)
[87] (WO2019/018417)
[30] US (62/533,600) 2017-07-17

[21] **3,069,228**
[13] A1
[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/441 (2006.01) A61F 5/445 (2006.01) A61F 5/448 (2006.01) A61F 5/449 (2006.01)**
[25] EN
[54] **OSTOMY POUCHING DEVICE**
[54] **DISPOSITIF POCHE D'OSTOMIE**
[72] LIN, CHIH-HAO, TW
[72] SHEN, WAN-CHEN, TW
[72] SHIH, WEI-TING, TW
[71] LIN, MARK, US
[71] LIN, CHIH-HAO, TW
[71] SHEN, WAN-CHEN, TW
[71] SHIH, WEI-TING, TW
[85] 2020-01-06
[86] 2018-07-17 (PCT/US2018/042570)
[87] (WO2019/018452)
[30] US (62/533,168) 2017-07-17

[21] **3,069,229**
[13] A1
[51] **Int.Cl. A61M 1/36 (2006.01)**
[25] EN
[54] **INFUSION METHODS FOR EXTRACOPOREAL SYSTEMS**
[54] **PROCEDES DE PERFUSION POUR SYSTEMES EXTRACORPORELS**
[72] CRNKOVICH, MARTIN JOSEPH, US
[72] YUDS, DAVID, US
[72] SCHLAEPER, CHRISTIAN, DE
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2020-01-06
[86] 2018-07-19 (PCT/US2018/042852)
[87] (WO2019/027688)
[30] US (15/669,287) 2017-08-04

[21] **3,069,230**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **PHYSIOLOGICAL MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE PHYSIOLOGIQUE**
[72] NAGY, MICHAEL, US
[72] ROWLAND, HARRY, US
[72] JOHNSON, ARIEL, US
[72] QUAS, BRETT, US
[71] ENDOTRONIX, INC., US
[85] 2020-01-06
[86] 2018-07-19 (PCT/US2018/042887)
[87] (WO2019/018644)
[30] US (62/534,261) 2017-07-19

[21] **3,069,231**
[13] A1
[51] **Int.Cl. C08G 18/76 (2006.01) C08G 18/18 (2006.01) C08G 18/28 (2006.01) C08G 18/42 (2006.01) C08K 5/00 (2006.01) C08K 5/5313 (2006.01)**
[25] EN
[54] **REACTIVE FLAME RETARDANTS FOR FLEXIBLE POLYURETHANE FOAMS**
[54] **MELANGES RETARDATEURS DE FLAMME REACTIFS POUR DES MOUSSES SOUPLES DE POLYURETHANE**
[72] PIOTROWSKI, ANDREW, US
[72] ZILBERMAN, JOSEPH, IL
[72] STOWELL, JEFFREY, US
[72] GELMONT, MARK, IL
[72] SINGH, MAYANK, US
[72] CHEN, ZHIHAO, US
[72] GLUZ, ERAN, IL
[71] ICL-IP AMERICA INC., US
[85] 2020-01-06
[86] 2018-07-23 (PCT/US2018/043218)
[87] (WO2019/023090)
[30] US (62/536,260) 2017-07-24

[21] **3,069,232**
[13] A1
[51] **Int.Cl. C07D 498/18 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MACROCYCLIC COMPOUNDS AND USES THEREOF**
[54] **COMPOSES MACROCYCLIQUES ET UTILISATIONS DE CES COMPOSES**
[72] CUI, JINGRONG JEAN, US
[72] ROGERS, EVAN W., US
[72] UNG, JANE, US
[72] WHITTEN, JEFFREY, US
[72] ZHAI, DAYONG, US
[72] DENG, WEI, US
[72] ZHANG, XIN, US
[72] HUANG, ZHONGDONG, US
[72] LIU, JING, US
[72] ZHANG, HAN, US
[71] TURNING POINT THERAPEUTICS, INC., US
[85] 2020-01-06
[86] 2018-07-26 (PCT/US2018/043817)
[87] (WO2019/023417)
[30] US (62/538,193) 2017-07-28
[30] US (62/700,990) 2018-07-20

[21] **3,069,233**
[13] A1
[51] **Int.Cl. A61F 2/38 (2006.01)**
[25] EN
[54] **FLOATING JOINT REPLACEMENT DEVICE WITH SUPPORTIVE SIDEWALL**
[54] **DISPOSITIF DE REMPLACEMENT D'UN JOINT FLOTTANT AYANT UNE PAROI LATERALE DE SUPPORT**
[72] ELSNER, JONATHAN J., US
[72] LINDER-GANZ, ERAN, IL
[72] KLYCE, HENRY A., US
[71] ACTIVE IMPLANTS LLC, US
[85] 2020-01-06
[86] 2018-07-27 (PCT/US2018/044161)
[87] (WO2019/023619)
[30] US (62/538,109) 2017-07-28

[21] **3,069,234**
[13] A1
[51] **Int.Cl. A61F 2/38 (2006.01)**
[25] EN
[54] **TWO-PIECE FLOATING JOINT REPLACEMENT DEVICE WITH A RIGID BACKING MATERIAL**
[54] **DISPOSITIF DE REMPLACEMENT D'ARTICULATION FLOTTANT EN DEUX PIECES AVEC UN MATERIAU DE SUPPORT RIGIDE**
[72] LINDER-GANZ, ERAN, IL
[72] ELSNER, JONATHAN J., US
[72] KLYCE, HENRY A., US
[71] ACTIVE IMPLANTS LLC, US
[85] 2020-01-06
[86] 2018-07-27 (PCT/US2018/044196)
[87] (WO2019/023645)
[30] US (62/538,059) 2017-07-28

[21] **3,069,235**
[13] A1
[51] **Int.Cl. C21D 7/02 (2006.01) B21D 26/057 (2011.01) B21D 22/20 (2006.01)**
[25] EN
[54] **A METHOD FOR FACILITATING THERMOMECHANICAL FORMING PROCESS OF AUSTENITE CONTAINING GRADES TO PRODUCE TAILORED STRENGTH STRUCTURAL COMPONENTS**
[54] **PROCEDE POUR FACILITER UN PROCESSUS DE FORMAGE THERMOMECANIQUE DE GRADES CONTENANT DE L'AUSTENITE POUR PRODUIRE DES COMPOSANTS STRUCTURELS A RESISTANCE PERSONNALISEE**
[72] RAGHAVAN, KAVESARY, US
[71] AK STEEL PROPERTIES, INC., US
[85] 2020-01-06
[86] 2018-08-01 (PCT/US2018/044838)
[87] (WO2019/028155)
[30] US (62/539,921) 2017-08-01

[21] **3,069,236**
[13] A1
[51] **Int.Cl. B21D 26/033 (2011.01) B21D 26/053 (2011.01) C21D 7/10 (2006.01) B21D 53/88 (2006.01)**
[25] EN
[54] **MANUFACTURING ULTRA-HIGH STRENGTH LOAD BEARING PARTS USING HIGH STRENGTH/LOW INITIAL YIELD STEELS THROUGH TUBULAR HYDROFORMING PROCESS**
[54] **FABRICATION DE PIECES PORTEUSES A RESISTANCE ULTRA-ELEVEE A L'AIDE D'ACIERS A RESISTANCE ELEVEE/FAIBLE RENDEMENT INITIAL PAR LE BIAIS D'UN PROCESSUS D'HYDROFORMAGE TUBULAIRE**
[72] PU, CHAO, US
[72] JIA, YUEQIAN, US
[72] ZHU, FENG, CA
[72] WANG, YU-WEI, US
[71] AK STEEL PROPERTIES, INC., US
[85] 2020-01-06
[86] 2018-08-01 (PCT/US2018/044841)
[87] (WO2019/028157)
[30] US (62/539,911) 2017-08-01

[21] **3,069,237**
[13] A1
[51] **Int.Cl. A47L 9/02 (2006.01) A47L 5/28 (2006.01) A47L 5/36 (2006.01) A47L 9/06 (2006.01) A47L 11/40 (2006.01)**
[25] EN
[54] **WIDE-AREA VACUUM NOZZLE**
[54] **BUSE A VIDE A GRANDE SURFACE**
[72] WESTBROOK, KURT, US
[71] SHOP VAC CORPORATION, US
[85] 2020-01-06
[86] 2018-08-21 (PCT/US2018/047311)
[87] (WO2019/046046)
[30] US (62/551,342) 2017-08-29
[30] US (29/648,163) 2018-05-18

[21] **3,069,238**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODIES AND METHODS OF MAKING AND USING THEREOF**
[54] **ANTICORPS BISPECIFIQUES ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] ZHU, YI, CN
[72] BYKOVA, KATRINA, US
[72] BRADY, BILL, US
[72] RENSHAW, BLAIR, US
[72] XIA, DONG, US
[72] GAO, ZEREN, US
[72] KOVACEVICH, BRIAN, US
[72] FALLON, JONATHAN K., US
[72] TAN, PHIL, US
[71] SYSTIMMUNE, INC., US
[71] SICHUAN BAILI PHARMACEUTICAL CO. LTD., CN
[85] 2020-01-06
[86] 2018-11-01 (PCT/US2018/058810)
[87] (WO2019/090002)
[30] US (62/580,845) 2017-11-02

[21] **3,069,239**
[13] A1
[51] **Int.Cl. F15B 15/20 (2006.01)**
[25] EN
[54] **CYLINDER SYSTEM WITH RELATIVE MOTION OCCUPYING STRUCTURE**
[54] **SYSTEME DE CYLINDRE AVEC STRUCTURE D'OCCUPATION A MOUVEMENT RELATIF**
[72] HANNA, IBRAHIM MOUNIR, US
[71] HANNA, IBRAHIM MOUNIR, US
[85] 2020-01-06
[86] 2019-01-17 (PCT/US2019/014029)
[87] (WO2019/126833)
[30] US (15/847,711) 2017-12-19
[30] US (16/235,272) 2018-12-28

[21] **3,069,240**
[13] A1
[51] **Int.Cl. C01B 3/02 (2006.01) C01B 3/38 (2006.01) C01B 3/48 (2006.01) C01B 13/02 (2006.01) C01C 1/04 (2006.01) C25B 1/04 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF AMMONIA SYNTHESIS GAS**
[54] **METHODE DE PREPARATION D'UN GAZ DE SYNTHESE D'AMMONIAC**
[72] HAN, PAT A., DK
[72] KROLL JENSEN, ANNETTE E., DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-01-07
[86] 2018-07-11 (PCT/EP2018/068802)
[87] (WO2019/020376)
[30] DK (PA 2017 00425) 2017-07-25

[21] **3,069,241**
[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01) H04S 7/00 (2006.01) G10L 21/0272 (2013.01) G06F 3/01 (2006.01)**
[25] EN
[54] **CONCEPT FOR GENERATING AN ENHANCED SOUND FIELD DESCRIPTION OR A MODIFIED SOUND FIELD DESCRIPTION USING A MULTI-POINT SOUND FIELD DESCRIPTION**
[54] **CONCEPT DE GENERATION D'UNE DESCRIPTION DE CHAMP SONORE AMELIOREE OU D'UNE DESCRIPTION DE CHAMP SONORE MODIFIEE A L'AIDE D'UNE DESCRIPTION DE CHAMP SONORE MULTIPOINT**
[72] HERRE, JUERGEN, DE
[72] HABETS, EMANUEL, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-01-07
[86] 2018-07-13 (PCT/EP2018/069140)
[87] (WO2019/012131)
[30] EP (17181488.2) 2017-07-14

[21] **3,069,242**
[13] A1
[51] **Int.Cl. C03B 37/04 (2006.01)**
[25] FR
[54] **FIBRE-FORMING PLATE**
[54] **ASSIETTE DE FIBRAGE**
[72] LAHMAR, FLAVIEN, FR
[72] VIANEY, FRANCOIS, FR
[72] LABARTHE, JACQUES, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2020-01-07
[86] 2018-07-06 (PCT/FR2018/051714)
[87] (WO2019/012211)
[30] FR (1770744) 2017-07-11

[21] **3,069,243**
[13] A1
[51] **Int.Cl. H04L 5/06 (2006.01) H04L 25/14 (2006.01)**
[25] EN
[54] **A MULTIFUNCTION CHANNELIZER/DDC ARCHITECTURE FOR A DIGITAL RECEIVER/EXCITER**
[54] **ARCHITECTURE DE CANALISEUR/DDC MULTIFONCTION POUR UN RECEPTEUR/EXCITATEUR NUMERIQUE**
[72] THOMPSON, DANIEL, US
[72] MARR, HARRY B., US
[72] ROBINSON, IAN S., US
[71] RAYTHEON COMPANY, US
[85] 2020-01-07
[86] 2018-05-30 (PCT/US2018/035048)
[87] (WO2019/022844)
[30] US (15/663,308) 2017-07-28

[21] **3,069,244**
[13] A1
[51] **Int.Cl. H04R 5/027 (2006.01)**
[25] EN
[54] **ACOUSTIC SENSING AND ALERTING**
[54] **DETECTION ET ALERTE ACOUSTIQUES**
[72] MILBAR, MAREK, US
[71] IBIQUITY DIGITAL CORPORATION, US
[85] 2020-01-07
[86] 2018-06-08 (PCT/US2018/036628)
[87] (WO2018/227062)
[30] US (62/517,660) 2017-06-09
[30] US (16/002,480) 2018-06-07

[21] **3,069,245**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G16H 10/00 (2018.01) G06F 16/36 (2019.01) G06F 40/205 (2020.01) G06F 40/30 (2020.01)**
[25] EN
[54] **GENERATING PERSISTENT LOCAL INSTANCES OF ONTOLOGICAL MAPPINGS**
[54] **GENERATION D'INSTANCES LOCALES PERSISTANTES DE MAPPAGES ONTOLOGIQUES**
[72] ALDIN, GREGORY R., US
[72] DEBUYS, LAURA, US
[72] FRITH, SEBASTIAN, US
[72] MUDRA, JIM, US
[72] NAEYMI-RAD, IVANA, US
[72] BRODY, LESLIE, US
[71] INTELLIGENT MEDICAL OBJECTS, INC., US
[85] 2020-01-07
[86] 2018-06-08 (PCT/US2018/036711)
[87] (WO2018/227123)
[30] US (15/618,352) 2017-06-09

[21] **3,069,246**
[13] A1
[51] **Int.Cl. C01B 32/184 (2017.01) C01B 32/182 (2017.01) C01B 32/19 (2017.01) C01B 32/192 (2017.01) C01B 32/194 (2017.01)**
[25] EN
[54] **SCALABLE FABRICATION OF PRISTINE HOLEY GRAPHENE NANOPLATELETS VIA DRY MICROWAVE IRRADIATION**
[54] **FABRICATION EVOLUTIVE DE NANOPLAQUETTES DE GRAPHENE PUR TROUEES PAR IRRADIATION PAR MICRO-ONDES SECHE**
[72] HE, HUIXIN, US
[72] SAVARAM, KEERTHI, US
[72] LI, QINGDONG, US
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
[85] 2020-01-07
[86] 2018-06-14 (PCT/US2018/037524)
[87] (WO2018/232109)
[30] US (62/519,500) 2017-06-14

[21] **3,069,247**
[13] A1
[51] **Int.Cl. H01B 7/18 (2006.01) A01N 25/34 (2006.01) A01N 59/00 (2006.01)**
[25] EN
[54] **PEST-RESISTANT CABLE JACKETING**
[54] **GAINE DE CABLE RESISTANT AUX NUISIBLES**
[72] ESSEGHIR, MOHAMED, US
[72] ULBRICH, ARNE, US
[72] HARRIS, WILLIAM J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-07
[86] 2018-06-27 (PCT/US2018/039783)
[87] (WO2019/013976)
[30] US (62/531,416) 2017-07-12

[21] **3,069,248**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **APPLICATION TO DETERMINE READING/WORKING DISTANCE**
[54] **APPLICATION POUR DETERMINER LA DISTANCE DE LECTURE/TRAVAIL**
[72] WILEY, WILLIAM F., US
[71] WILEY, WILLIAM F., US
[85] 2020-01-07
[86] 2018-07-05 (PCT/US2018/040843)
[87] (WO2019/010257)
[30] US (62/529,530) 2017-07-07
[30] US (62/563,879) 2017-09-27

[21] **3,069,249**
[13] A1
[51] **Int.Cl. C11D 3/33 (2006.01)**
[25] EN
[54] **CLEANING COMPOSITIONS COMPRISING ALKOXYLATED ESTERAMINES**
[54] **COMPOSITIONS DE NETTOYAGE COMPRENANT DES ESTERAMINES ALCOXYLEES**
[72] SCIALLA, STEFANO, BE
[72] JACKSON, MICHELLE, GB
[72] LUDOLPH, BJOERN, DE
[72] EBERT, SOFIA ROSA, DE
[72] BITTNER, CHRISTIAN, DE
[72] HULSKOTTER, FRANK, DE
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-07
[86] 2018-07-06 (PCT/US2018/041013)
[87] (WO2019/010367)
[30] US (62/529,510) 2017-07-07
[30] US (62/594,599) 2017-12-05

[21] **3,069,250**
[13] A1
[51] **Int.Cl. C11D 3/33 (2006.01) C11D 1/46 (2006.01) C11D 3/30 (2006.01)**
[25] EN
[54] **CLEANING COMPOSITIONS COMPRISING NON-ALKOXYLATED ESTERAMINES**
[54] **COMPOSITIONS DE NETTOYAGE COMPRENANT DES ESTERAMINES NON ALCOXYLEES**
[72] SCIALLA, STEFANO, BE
[72] JACKSON, MICHELLE, GB
[72] LUDOLPH, BJOERN, DE
[72] EBERT, SOPHIA ROSA, DE
[72] BITTNER, CHRISTIAN, DE
[72] HULSKOTTER, FRANK, DE
[72] MIRACLE, GREGORY SCOT, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-07
[86] 2018-07-06 (PCT/US2018/041014)
[87] (WO2019/010368)
[30] US (62/529,511) 2017-07-07
[30] US (62/594,606) 2017-12-05

[21] **3,069,251**
[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ALTERING BODY MASS COMPOSITION USING GALVANIC VESTIBULAR STIMULATION**
[54] **PROCEDE ET SYSTEME POUR MODIFIER UNE COMPOSITION DE MASSE CORPORELLE A L'AIDE D'UNE STIMULATION VESTIBULAIRE GALVANIQUE**
[72] MCGEOCH, PAUL DUNCAN, US
[72] RAMACHANDRAN, VILAYANUR S., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-01-07
[86] 2018-07-06 (PCT/US2018/041078)
[87] (WO2019/010407)
[30] US (15/644,727) 2017-07-07
[30] US (15/644,725) 2017-07-07

[21] **3,069,252**
[13] A1
[51] **Int.Cl. F16L 11/12 (2006.01)**
[25] EN
[54] **MARKED CONDUIT OR TUBE**
[54] **CONDUIT OU TUBE MARQUE**
[72] DAWSON, RAMON C., US
[71] DAWSON, RAMON C., US
[85] 2020-01-07
[86] 2018-07-06 (PCT/US2018/041140)
[87] (WO2019/014071)
[30] US (15/648,356) 2017-07-12

[21] **3,069,253**
[13] A1
[51] **Int.Cl. C12N 9/00 (2006.01) C12N 9/02 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **IMPROVED METHANE MONOOXYGENASE ENZYMES**
[54] **ENZYMES DE MONO-OXYGENASE DE METHANE AMELIOREES**
[72] CLARKE, ELIZABETH JANE, US
[72] GREENFIELD, DEREK LORIN, US
[72] HELMAN, NOAH CHARLES, US
[72] JONES, STEPHANIE RHIANON, US
[72] ZHU, BAOLONG, US
[71] INDUSTRIAL MICROBES, INC., US
[85] 2020-01-07
[86] 2018-07-06 (PCT/US2018/041149)
[87] (WO2019/010455)
[30] US (62/529,648) 2017-07-07
[30] US (62/542,838) 2017-08-09
[30] US (62/566,733) 2017-10-02

[21] **3,069,254**
[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CHECKPOINT INHIBITOR BISPECIFIC ANTIBODIES**
[54] **ANTICORPS BISPECIFIQUES EN TANT QU'INHIBITEURS DE POINTS DE CONTROLE**
[72] KALOS, MICHAEL DEWAIN, US
[72] LI, YIWEN, US
[72] LUDWIG, DALE LINCOLN, US
[72] PLOWMAN, GREGORY D., US
[72] SHEN, YANG, US
[72] D'ANGELO, IGOR EDMONDO PAOLO, CA
[71] ELI LILLY AND COMPANY, US
[71] ZYMEWORKS, INC., CA
[85] 2020-01-07
[86] 2018-07-09 (PCT/US2018/041205)
[87] (WO2019/014091)
[30] US (62/530,436) 2017-07-10

[21] **3,069,255**
[13] A1
[51] **Int.Cl. B01J 29/80 (2006.01) B01J 29/72 (2006.01) B01J 29/76 (2006.01) B01J 35/02 (2006.01) B01D 53/94 (2006.01)**
[25] EN
[54] **CATALYST AND METHOD OF USE THEREOF IN THE CONVERSION OF NOX AND N2O**
[54] **CATALYSEUR ET SON PROCEDE D'UTILISATION DANS LA CONVERSION DE NOX ET N2O**
[72] LEE, STEVEN RUSSELL, US
[72] ZHANG, WENZHONG, US
[72] BAKKER, GEERT MARTEN, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2020-01-07
[86] 2018-07-09 (PCT/US2018/041275)
[87] (WO2019/014115)
[30] US (62/530,880) 2017-07-11

[21] **3,069,256**
[13] A1
[51] **Int.Cl. A61K 38/36 (2006.01) A61P 7/04 (2006.01)**
[25] EN
[54] **TREATMENT OF PATIENTS WITH SEVERE VON WILLEBRAND DISEASE UNDERGOING ELECTIVE SURGERY BY ADMINISTRATION OF RECOMBINANT VWF**
[54] **TRAITEMENT DE PATIENTS ATTEINTS D'UNE FORME GRAVE DE LA MALADIE DE VON WILLEBRAND SUBISSANT UNE INTERVENTION CHIRURGICALE NON URGENTE PAR L'ADMINISTRATION DE VWF RECOMBINE**
[72] CHAPMAN, MIRANDA, US
[72] EWENSTEIN, BRUCE, US
[72] PLODER, BETTINA, US
[71] BAXALTA INCORPORATED, US
[85] 2020-01-07
[86] 2018-07-09 (PCT/US2018/041319)
[87] (WO2019/010496)
[30] US (62/530,024) 2017-07-07
[30] US (62/546,999) 2017-08-17

[21] **3,069,257**
[13] A1
[51] **Int.Cl. A61M 1/14 (2006.01) A61M 1/34 (2006.01)**
[25] EN
[54] **METHOD AND DEVICES FOR EMPTYING AN EFFLUENT BAG AFTER BLOOD TREATMENT**
[54] **PROCEDE ET DISPOSITIFS PERMETTANT DE VIDER UNE POCHE POUR EFFLUENTS APRES UN TRAITEMENT DE SANG**
[72] BEISSER, NICOLAS, DE
[72] HEIDE, ALEXANDER, DE
[72] KLEWINGHAUS, JUERGEN, DE
[72] RICHTER, ANDREAS, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2020-01-07
[86] 2018-07-16 (PCT/EP2018/069283)
[87] (WO2019/016145)
[30] DE (10 2017 116 142.2) 2017-07-18
[30] DE (10 2017 127 394.8) 2017-11-21

[21] **3,069,258**
[13] A1
[51] **Int.Cl. A61K 38/10 (2006.01) A01N 63/00 (2020.01) A61L 31/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL PEPTIDES AGAINST LISTERIA MONOCYTOGENES**
[54] **PEPTIDES ANTIMICROBIENS CONTRE LISTERIA MONOCYTOGENES**
[72] BALESTRIERI, MARCO, IT
[72] PALMIERI, GIANNA, IT
[72] NEGLIA, GIANLUCA, IT
[72] ANASTASIO, ANIELLO, IT
[72] CAPUANO, FEDERICO, IT
[72] DE STEFANO, LUCA, IT
[72] NICOLAIS, LUIGI, IT
[71] MATERIAS S.R.L., IT
[85] 2020-01-07
[86] 2018-07-16 (PCT/EP2018/069304)
[87] (WO2019/012158)
[30] IT (102017000080068) 2017-07-14

[21] **3,069,259**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **VACCINE COMPOSITIONS**
[54] **COMPOSITIONS VACCINALES**
[72] JAMES, JOHN PAUL, GB
[72] LOVE, JAMES PRINCE, GB
[72] MAUDSLEY, DAVID JOHN, GB
[71] MEDI-IMMUNE LIMITED, GB
[85] 2020-01-07
[86] 2018-07-19 (PCT/EP2018/069669)
[87] (WO2019/020493)
[30] GB (1712098.1) 2017-07-27
[30] GB (1805393.4) 2018-03-31

[21] **3,069,260**
[13] A1
[51] **Int.Cl. B01J 21/06 (2006.01) B01J 23/74 (2006.01) B01J 23/85 (2006.01) B01J 23/882 (2006.01) B01J 23/883 (2006.01) B01J 23/888 (2006.01) B01J 27/19 (2006.01) B01J 37/02 (2006.01) C10G 45/04 (2006.01) C10G 45/06 (2006.01) C10G 45/08 (2006.01)**
[25] EN
[54] **HYDROTREATING CATALYST WITH A TITANIUM CONTAINING CARRIER AND ORGANIC ADDITIVE**
[54] **CATALYSEUR D'HYDROTRAITEMENT AVEC UN ENTRAINEUR CONTENANT DU TITANE ET UN ADDITIF ORGANIQUE**
[72] ALCANIZ, JANA JUAN, NL
[72] BERGWERFF, JACOB ARIE, NL
[72] AU YEUNG, KAR MING, NL
[72] VEERMAN, WILHELMUS CLEMENS JO, NL
[71] ALBEMARLE EUROPE SRL, BE
[85] 2020-01-07
[86] 2018-07-20 (PCT/EP2018/069769)
[87] (WO2019/016372)
[30] US (62/535,626) 2017-07-21

[21] **3,069,261**
[13] A1
[51] **Int.Cl. B01J 21/06 (2006.01) B01J 23/74 (2006.01) B01J 23/882 (2006.01) B01J 23/883 (2006.01) B01J 23/888 (2006.01) B01J 27/19 (2006.01) B01J 37/02 (2006.01) B01J 37/20 (2006.01) C10G 45/04 (2006.01) C10G 45/06 (2006.01) C10G 45/08 (2006.01)**
[25] EN
[54] **HYDROTREATING CATALYST WITH A TITANIUM CONTAINING CARRIER AND SULFUR CONTAINING ORGANIC ADDITIVE**
[54] **CATALYSEUR D'HYDROTRAITEMENT AVEC UN SUPPORT CONTENANT DU TITANE ET UN ADDITIF ORGANIQUE CONTENANT DU SOUFRE**
[72] ALCANIZ, JANA JUAN, NL
[72] BERGWERFF, JACOB ARIE, NL
[72] AU YEUNG, KAR MING, NL
[72] VEERMAN, WILHELMUS CLEMENS JO, NL
[71] ALBEMARLE EUROPE SRL, BE
[85] 2020-01-07
[86] 2018-07-20 (PCT/EP2018/069775)
[87] (WO2019/016375)
[30] US (62/535,610) 2017-07-21

[21] **3,069,262**
[13] A1
[51] **Int.Cl. C01B 3/38 (2006.01) C25B 1/04 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF SYNTHESIS GAS**
[54] **PROCEDE DE PREPARATION D'UN GAZ DE SYNTHESE**
[72] AASBERG-PETERSEN, KIM, DK
[72] HAN, PAT A., DK
[72] MORTENSEN, PETER MOLGAARD, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-01-07
[86] 2018-07-20 (PCT/EP2018/069788)
[87] (WO2019/020519)
[30] DK (PA 2017 00425) 2017-07-25
[30] DK (PA 2017 00522) 2017-09-25
[30] DK (PA 2018 00237) 2018-05-28
[30] DK (PA 2018 00345) 2018-07-06

[21] **3,069,263**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01)**
[25] EN
[54] **DRUG DELIVERY COMPOSITION**
[54] **COMPOSITION D'ADMINISTRATION DE MEDICAMENT**
[72] POULETTY, PHILIPPE, FR
[72] GUILLAMOT, FREDERIQUE, FR
[71] PK MED SAS, FR
[85] 2020-01-07
[86] 2018-07-25 (PCT/EP2018/070141)
[87] (WO2019/020679)
[30] EP (17305992.4) 2017-07-25

[21] **3,069,264**
[13] A1
[51] **Int.Cl. H04B 5/00 (2006.01) H04W 12/00 (2009.01) H04L 9/32 (2006.01)**
[25] EN
[54] **IMPROVED NFC-CHIP READER**
[54] **LECTEUR DE PUCE NFC AMELIORE**
[72] OOSTDIJK, MARTIJN DIEDERIK, NL
[72] VAN WIETMARSCHEN, TOM NICOLAAS, NL
[72] NOORT, WILHELMUS, NL
[72] WEGDAM, MAARTEN, NL
[71] INNOVALOR B.V., NL
[85] 2020-01-07
[86] 2018-07-27 (PCT/EP2018/070442)
[87] (WO2019/025312)
[30] EP (17184076.2) 2017-07-31

[21] **3,069,265**
[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) C07K 14/705 (2006.01) C07K 16/00 (2006.01) C07K 16/10 (2006.01) C07K 16/12 (2006.01) C07K 16/16 (2006.01)**
[25] EN
[54] **ANTIBODIES WITH FUNCTIONAL DOMAINS IN THE ELBOW REGION BETWEEN VARIABLE ADN CONSTANT DOMAIN**
[54] **ANTICORPS AYANT DES DOMAINES FONCTIONNELS DANS LA REGION DE COUDE ENTRE UN DOMAINE VARIABLE ET UN DOMAINE CONSTANT**
[72] LANZAVECCHIA, ANTONIO, CH
[72] PICCOLI, LUCA, CH
[71] INSTITUTE FOR RESEARCH IN BIOMEDICINE, CH
[85] 2020-01-07
[86] 2018-07-30 (PCT/EP2018/070640)
[87] (WO2019/025391)
[30] EP (PCT/EP2017/069357) 2017-07-31

[21] **3,069,266**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01) C08F 4/6592 (2006.01)**
[25] EN
[54] **DUAL CATALYST COMPOSITION**
[54] **COMPOSITION DE CATALYSEUR DOUBLE**
[72] CIRRIEZ, VIRGINIE, BE
[72] WELLE, ALEXANDRE, BE
[72] VANTOMME, AURELIEN, BE
[71] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[85] 2020-01-07
[86] 2018-08-02 (PCT/EP2018/070971)
[87] (WO2019/025528)
[30] EP (17184406.1) 2017-08-02

[21] **3,069,267**
[13] A1
[51] **Int.Cl. B23P 21/00 (2006.01) B62D 65/02 (2006.01) B62D 65/18 (2006.01) G05B 19/418 (2006.01)**
[25] FR
[54] **ROBOTIC ASSEMBLY METHOD**
[54] **PROCEDE D'ASSEMBLAGE ROBOTISE**
[72] NEGRE, BERNARD, FR
[71] ABB SCHWEIZ AG, CH
[85] 2020-01-07
[86] 2017-07-28 (PCT/EP2017/069226)
[87] (WO2019/020199)

[21] **3,069,268**
[13] A1
[51] **Int.Cl. C07C 1/24 (2006.01) C07C 11/09 (2006.01)**
[25] FR
[54] **METHOD FOR DEHYDRATING ALCOHOLS TO OBTAIN OLEFINS, INVOLVING A STEP OF CATALYST SELECTIVATION**
[54] **PROCEDE DE DESHYDRATATION DES ALCOOLS EN OLEFINES COMPRENANT UNE ETAPE DE SELECTIVATION DU CATALYSEUR**
[72] ARIBERT, NICOLAS, FR
[72] COUPARD, VINCENT, FR
[72] MOUNIER, JULIE, FR
[72] NESTERENKO, NIKOLAI, BE
[72] THILLE, CHRISTOPHE, BE
[71] IFP ENERGIES NOUVELLES, FR
[71] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[85] 2020-01-07
[86] 2018-07-10 (PCT/EP2018/068613)
[87] (WO2019/011892)
[30] FR (1756515) 2017-07-10

[21] **3,069,269**
[13] A1
[51] **Int.Cl. G21C 17/108 (2006.01) G21C 13/02 (2006.01) G21C 17/116 (2006.01)**
[25] FR
[54] **NUCLEAR REACTOR WITH IN-VESSEL EX-CORE NEUTRON DETECTORS AND CORRESPONDING CONTROL METHOD**
[54] **REACTEUR NUCLEAIRE AVEC DES DETECTEURS NEUTRONIQUES IN-VESSEL EX-CORE, ET PROCEDE DE PILOTAGE CORRESPONDANT**
[72] BRUN, MICHEL, FR
[72] SPYCKERELLE, SANDRINE, FR
[71] SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE, FR
[85] 2020-01-07
[86] 2018-07-12 (PCT/EP2018/068944)
[87] (WO2019/012044)
[30] FR (17 56619) 2017-07-12

[21] **3,069,270**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01) C08F 4/6592 (2006.01)**
[25] EN
[54] **DUAL CATALYST COMPOSITION**
[54] **COMPOSITION DE CATALYSEUR DOUBLE**
[72] CIRRIEZ, VIRGINIE, BE
[72] WELLE, ALEXANDRE, BE
[72] VANTOMME, AURELIEN, BE
[71] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[85] 2020-01-07
[86] 2018-08-02 (PCT/EP2018/070973)
[87] (WO2019/025530)
[30] EP (17184406.1) 2017-08-02

[21] **3,069,271**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 2/00 (2006.01) C08F 4/654 (2006.01) C08L 23/14 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING POLYPROPYLENE COMPOSITION**
[54] **PROCEDE POUR LA PREPARATION D'UNE COMPOSITION DE POLYPROPYLENE**
[72] LESKINEN, PAULI, FI
[72] BORAGNO, LUCA, AT
[71] BOREALIS AG, AT
[85] 2020-01-07
[86] 2018-09-06 (PCT/EP2018/073973)
[87] (WO2019/048529)
[30] EP (17190020.2) 2017-09-08

[21] **3,069,272**
[13] A1
[51] **Int.Cl. C08L 23/12 (2006.01)**
[25] EN
[54] **REINFORCED POLYMER COMPOSITION**
[54] **COMPOSITION POLYMERE RENFORCEE**
[72] LUMMERSTORFER, THOMAS, AT
[72] TRANNINGER, MICHAEL, AT
[71] BOREALIS AG, AT
[85] 2020-01-07
[86] 2018-09-26 (PCT/EP2018/076111)
[87] (WO2019/063606)
[30] EP (17194161.0) 2017-09-29

[21] **3,069,273**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/444 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **NEW HETEROARYL AMIDE DERIVATIVES AS SELECTIVE INHIBITORS OF HISTONE DEACETYLASES 1 AND/OR 2 (HDAC1-2)**
[54] **NOUVEAUX DERIVES HETEROARYLAMIDE UTILISES EN TANT QU'INHIBITEURS SELECTIFS DE L'HISTONE DEACETYLASE 1 ET 2 (HDAC1/2)**
[72] CASTRO PALOMINO LARIA, JULIO, ES
[72] CAMACHO GOMEZ, JUAN, ES
[72] RODRIGUEZ IGLESIAS, RODOLFO, ES
[71] MEDIBIOFARMA, S.L., ES
[85] 2020-01-07
[86] 2018-07-09 (PCT/ES2018/070491)
[87] (WO2019/012172)
[30] EP (17382447.5) 2017-07-10

[21] **3,069,274**
[13] A1
[51] **Int.Cl. E21B 29/00 (2006.01) E21B 34/14 (2006.01)**
[25] EN
[54] **A TOOL AND METHOD FOR CUTTING THE CASING OF A BORE HOLE**
[54] **OUTIL ET PROCEDE DE COUPE DU TUBAGE D'UN TROU DE FORAGE**
[72] MCGARIAN, BRUCE, GB
[71] MCGARIAN, BRUCE, GB
[85] 2020-01-07
[86] 2018-07-12 (PCT/GB2018/051986)
[87] (WO2019/016523)
[30] GB (1711634.4) 2017-07-19

[21] **3,069,275**
[13] A1
[51] **Int.Cl. B65H 55/04 (2006.01) E21B 47/01 (2012.01) E21B 47/12 (2012.01) G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL FIBRE SPOOL**
[54] **BOBINE DE FIBRE OPTIQUE**
[72] PURKIS, DANIEL GEORGE, GB
[71] WELL-SENSE TECHNOLOGY LIMITED, GB
[85] 2020-01-07
[86] 2018-07-17 (PCT/GB2018/052023)
[87] (WO2019/016538)
[30] GB (1711508.0) 2017-07-18

[21] **3,069,276**
[13] A1
[51] **Int.Cl. E05B 1/00 (2006.01) A61L 2/10 (2006.01)**
[25] EN
[54] **ANTIBACTERIAL DOOR KNOB**
[54] **POIGNEE DE PORTE ANTIBACTERIENNE**
[72] GARGASH, ABDUL JABBAR, AE
[72] SOKOLOV, YURIY BORISOVICH, RU
[71] GARGASH, ABDUL JABBAR, AE
[85] 2020-01-07
[86] 2017-07-28 (PCT/IB2017/001011)
[87] (WO2019/021031)

[21] **3,069,277**
[13] A1
[51] **Int.Cl. A42B 3/04 (2006.01) A45F 5/02 (2006.01)**
[25] EN
[54] **ATTACHMENT SYSTEM**
[54] **SYSTEME DE FIXATION**
[72] VILONE, MARIO, CA
[72] DESJARDINS, NICOLAS, CA
[71] GALVION LTD., US
[85] 2020-01-07
[86] 2018-06-20 (PCT/IB2018/000794)
[87] (WO2019/008434)
[30] US (15/644,169) 2017-07-07

[21] **3,069,278**
[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/14 (2006.01) A61M 5/145 (2006.01) A61M 5/158 (2006.01)**
[25] EN
[54] **DEVICE FOR SUBCUTANEOUS DELIVERY OF FLUID MEDICAMENT**
[54] **DISPOSITIF D'ADMINISTRATION SOUS-CUTANEE DE MEDICAMENT LIQUIDE**
[72] SHOR, ERAN, IL
[72] MOR, TSABAR, IL
[72] BEN DAVID, TAMIR, IL
[72] LILACH, NIR, IL
[72] GROSSFELD, RAMI, IL
[72] ALFANDARI, SHAI, IL
[72] NADLER, RAM, IL
[72] GOLOM, DMITRY, IL
[72] SHAKI, DANIEL, IL
[72] TIKOCHINSKY, YOAV, IL
[72] OZSUMER, SERDAR, IT
[71] NEURODERM LTD, IL
[85] 2020-01-07
[86] 2018-07-05 (PCT/IB2018/054962)
[87] (WO2019/008529)
[30] US (62/529,784) 2017-07-07
[30] US (62/576,362) 2017-10-24

[21] **3,069,279**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 90/00 (2006.01)**
[25] EN
[54] **A COMPUTER IMPLEMENTED APPRAISAL SYSTEM AND METHOD THEREOF**
[54] **SYSTEME D'EVALUATION IMPLEMENTE PAR ORDINATEUR ET SON PROCEDE**
[72] NATHANI, ARUN VIJAY, IN
[71] CYBAGE SOFTWARE PRIVATE LIMITED, IN
[85] 2020-01-07
[86] 2018-07-11 (PCT/IB2018/055098)
[87] (WO2019/012438)
[30] IN (201721024463) 2017-07-11

[21] **3,069,280**
[13] A1
[51] **Int.Cl. B64D 37/00 (2006.01) B64D 37/08 (2006.01) F16L 5/00 (2006.01)**
[25] EN
[54] **FUEL TANK COMMUNICATION SYSTEMS**
[54] **SYSTEMES DE COMMUNICATION DE RESERVOIRS DE CARBURANT**
[72] BULARD, PHILIPPE, FR
[72] MENDES, CHRISTOPHE, FR
[72] BOISSY, LOIC, FR
[72] AMARA, HICHEM, FR
[71] SAFRAN AEROSYSTEMS, FR
[85] 2020-01-07
[86] 2018-07-11 (PCT/IB2018/055108)
[87] (WO2019/012445)
[30] US (62/530,956) 2017-07-11

[21] **3,069,281**
[13] A1
[51] **Int.Cl. C12Q 1/06 (2006.01) C12Q 1/02 (2006.01) C12Q 1/18 (2006.01) G01N 21/17 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **RAPID ANTIBIOTIC SUSCEPTIBILITY TEST USING MEMBRANE FLUORESCENCE STAINING AND SPECTRAL INTENSITY RATIO IMPROVED BY FLOW CYTOMETRY DEAD TO LIVE POPULATION RATIO**
[54] **TEST RAPIDE DE SENSIBILITE AUX ANTIBIOTIQUES UTILISANT UNE COLORATION PAR FLUORESCENCE DE MEMBRANE ET UN RAPPORT D'INTENSITE SPECTRALE AMELIORE PAR CYTOMETRIE DE FLUX AU RAPPORT DE POPULATION EN DIRECT**
[72] BEN-DAVID, MOSHE, IL
[72] ZAHAVY, ERAN, IL
[72] INGBER, GAL, IL
[71] POCARED DIAGNOSTICS LTD., IL
[85] 2020-01-07
[86] 2018-07-13 (PCT/IB2018/055210)
[87] (WO2019/012501)
[30] US (62/532,091) 2017-07-13
[30] US (16/033,963) 2018-07-12

[21] **3,069,282**
[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/4402 (2006.01) C07D 213/16 (2006.01)**
[25] EN
[54] **NON-PULSATILE PROLONGED-RELEASE BETAHISTINE ORAL SOLID COMPOSITIONS**
[54] **COMPOSITIONS SOLIDES ORALES DE BETAHISTINE A LIBERATION PROLONGEE NON PULSATILE**
[72] PATEL, HIMANSHUKUMAR DASHARATHLAL, IN
[72] DUBE, VINOD PURUSHOTTAM, IN
[72] NAIDU, VENKATARAMANA, IN
[72] BORUDE, SUNIL SHANTWAN, IN
[71] INTAS PHARMACEUTICALS LTD., IN
[85] 2020-01-07
[86] 2018-07-16 (PCT/IB2018/055233)
[87] (WO2019/016668)
[30] IN (201721025857) 2017-07-20

[21] **3,069,283**
[13] A1
[51] **Int.Cl. E04D 1/30 (2006.01) E04D 1/36 (2006.01) F24F 7/02 (2006.01)**
[25] EN
[54] **A ROOF, SIDING, OR CLADDING, OR RIDGE OR HIP MEMBER FOR A ROOF**
[54] **TOIT, PAREMENT OU BARDAGE, OU ELEMENT FORMANT FAITAGE OU ARETIER POUR UN TOIT**
[72] HAYNES, ANDREW LEO, NZ
[72] ROSARIA, JUSTIN JASON, NZ
[71] ZINNIATEK LIMITED, NZ
[85] 2020-01-07
[86] 2018-07-20 (PCT/IB2018/055405)
[87] (WO2019/016767)
[30] US (62/535,039) 2017-07-20

[21] **3,069,284**
[13] A1
[51] **Int.Cl. A61L 15/42 (2006.01) A61L 15/60 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL OR WOUND CARE MATERIALS, DEVICES AND USES**
[54] **MATERIAUX ANTIMICROBIENS OU DE SOINS DE PLAIE, DISPOSITIFS ET UTILISATIONS**
[72] BREWSTER, AMY, GB
[72] CRUMP, ROBERT, GB
[72] LECOMTE, HELENE ANNE, GB
[72] STEPHENSON, DAVID, GB
[72] WRAY, MATTHEW, GB
[71] SMITH & NEPHEW PLC, GB
[85] 2019-12-24
[86] 2018-07-12 (PCT/EP2018/069015)
[87] (WO2019/012069)
[30] GB (1711183.2) 2017-07-12

[21] **3,069,285**
[13] A1
[51] **Int.Cl. A23L 33/16 (2016.01) A23L 33/105 (2016.01)**
[25] EN
[54] **FOOD SUPPLEMENT FOR USE IN THE PROPHYLAXIS AND TREATMENT OF MIGRAINE**
[54] **COMPLEMENTS ALIMENTAIRES DESTINES A ETRE UTILISES DANS LA PROPHYLAXIE ET LE TRAITEMENT DE LA MIGRAINE**
[72] DEL BONO, MARIA CRISTINA, IT
[72] BONOMO, FRANCESCO, IT
[71] CRISTALFARMA S.R.L., IT
[85] 2020-01-07
[86] 2018-07-23 (PCT/IB2018/055454)
[87] (WO2019/021148)
[30] IT (102017000085185) 2017-07-26

[21] **3,069,286**
[13] A1
[51] **Int.Cl. A01N 43/80 (2006.01) A01N 35/02 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **MICROBICIDAL COMPOSITION**
[54] **COMPOSITION MICROBICIDE**
[72] VAN DER KRAAN, GEERT, CH
[72] SCHILLE, NADINE, CH
[72] WIDERA, IMKE, CH
[71] DDP SPECIALTY ELECTRONIC MATERIALS US, INC., US
[85] 2019-12-24
[86] 2018-06-06 (PCT/US2018/036231)
[87] (WO2019/005438)
[30] US (62/526,028) 2017-06-28

[21] **3,069,287**
[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01) A61K 31/203 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT OF ACNE**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE L'ACNEE**
[72] TOLEDANO, OFER, IL
[72] NOV, ORI, IL
[71] SOL-GEL TECHNOLOGIES LTD., IL
[85] 2020-01-07
[86] 2018-07-12 (PCT/IL2018/050764)
[87] (WO2019/012536)
[30] US (62/531,396) 2017-07-12

[21] **3,069,288**
[13] A1
[51] **Int.Cl. B01J 27/24 (2006.01) C01B 32/05 (2017.01) C25B 1/04 (2006.01) C25B 11/06 (2006.01) H01M 4/90 (2006.01) H01M 8/10 (2016.01) H01M 8/18 (2006.01) H01M 12/06 (2006.01) H01M 12/08 (2006.01)**
[25] EN
[54] **CARBON CATALYST, BATTERY ELECTRODE AND BATTERY**
[54] **CATALYSEUR AU CARBONE, ELECTRODE DE BATTERIE ET BATTERIE**
[72] KUBOTA, YUJI, JP
[72] KISHIMOTO, TAKEAKI, JP
[72] NARIZUKA, KUMI, JP
[72] SATO, TETSUTARO, JP
[71] NISSHINBO HOLDINGS INC., JP
[85] 2020-01-07
[86] 2018-07-03 (PCT/JP2018/025248)
[87] (WO2019/013050)
[30] JP (2017-137456) 2017-07-13

[21] **3,069,289**
[13] A1
[51] **Int.Cl. H01B 3/44 (2006.01) C08K 3/22 (2006.01) C08K 5/5425 (2006.01) C08L 23/08 (2006.01) C08L 43/04 (2006.01) C08L 51/06 (2006.01)**
[25] EN
[54] **MOISTURE-CURED WIRE AND CABLE CONSTRUCTIONS**
[54] **CONSTRUCTIONS DE CABLE ET DE FILS DURCIS A L'HUMIDITE**
[72] CHAUDHARY, BHARAT I., US
[72] TALREJA, MANISH, US
[72] ZHANG, YICHI, US
[72] BAWISKAR, SANTOSH S., US
[72] DREUX, PETER C., US
[72] MUNDRA, MANISH K., US
[72] GHOSH-DASTIDAR, ABHIJIT, US
[72] PATEL, RAJEN M., US
[72] SEHANOBISH, KALYAN, US
[72] HEAH, CHIEH YING, SG
[72] ONG, KENNETH HIN-LEONG, SG
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2019-12-24
[86] 2018-06-06 (PCT/US2018/036247)
[87] (WO2019/005439)
[30] US (62/526,491) 2017-06-29

[21] **3,069,290**
[13] A1
[51] **Int.Cl. B01J 4/00 (2006.01) F28F 9/22 (2006.01)**
[25] EN
[54] **FLUID DISPERSER AND FLUID DISPERSING DEVICE**
[54] **DISPERSEUR DE FLUIDE ET DISPOSITIF DE DISPERSION DE FLUIDE**
[72] TSUNODA, DAISUKE, JP
[72] SAKAKURA, SHIGEKI, JP
[72] HONMA, NOBUYUKI, JP
[72] TSURUGAYA, KOHEI, JP
[71] IHI CORPORATION, JP
[85] 2020-01-07
[86] 2018-07-06 (PCT/JP2018/025710)
[87] (WO2019/013128)
[30] JP (2017-135286) 2017-07-11

[21] **3,069,291**
[13] A1
[51] **Int.Cl. C08F 290/06 (2006.01) H01B 3/44 (2006.01) H01B 7/28 (2006.01)**
[25] EN
[54] **ETHYLENE-METHOXY POLYETHYLENE GLYCOL METHACRYLATE COPOLYMERS**
[54] **COPOLYMERES ETHYLENE-METHACRYLATE DE METHOXYPOLYETHYLENE GLYCOL**
[72] GOU, QIAN, US
[72] TALREJA, MANISH, US
[72] CHAUDHARY, BHARAT, US
[72] OSBY, JOHN, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2019-12-24
[86] 2018-06-12 (PCT/US2018/037038)
[87] (WO2019/005470)
[30] US (62/526,434) 2017-06-29

[21] **3,069,292**
[13] A1
[51] **Int.Cl. A21D 13/06 (2017.01) A21D 13/22 (2017.01) A21D 13/32 (2017.01) A21C 11/00 (2006.01) A21D 8/02 (2006.01)**
[25] EN
[54] **ROTARY MOLDED FOOD PRODUCT AND METHODS OF MAKING**
[54] **PRODUIT ALIMENTAIRE MOULE DE FACON ROTATIVE ET PROCEDES DE PREPARATION**
[72] BECHTOLD, ROY A., US
[72] NELSON, ADAM CORY, US
[71] GENERAL MILLS, INC., US
[85] 2020-01-07
[86] 2017-07-17 (PCT/US2017/042343)
[87] (WO2019/017870)

[21] **3,069,293**
[13] A1
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 17/00 (2006.01) E21B 33/127 (2006.01)**
[25] EN
[54] **SYSTEM TO CONTROL SWAB OFF WHILE RUNNING A PACKER DEVICE**
[54] **SYSTEME POUR CONTROLER LE PISTONNAGE LORS DU DEPLACEMENT D'UN DISPOSITIF GARNITURE D'ETANCHEITE**
[72] ORNELAZ, RICHARD DECENA, US
[72] GRECI, STEPHEN MICHAEL, US
[72] ZHONG, XIAOGUANG ALLAN, US
[72] VICK, JAMES DAN, JR., US
[72] DAGENAIS, PETER C., US
[72] ABEIDOH, ABDEL HAMID R., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-01-07
[86] 2017-11-14 (PCT/US2017/061553)
[87] (WO2019/098993)

[21] **3,069,294**
[13] A1
[51] **Int.Cl. F16G 1/28 (2006.01) B62D 5/04 (2006.01) F16H 7/02 (2006.01)**
[25] EN
[54] **HELICAL BELT AND BELT TRANSMISSION GEAR**
[54] **COURROIE HELICOIDALE ET ENGRENAGE DE TRANSMISSION A COURROIE**
[72] IKEGAMI, HIROAKI, JP
[72] YOSHIDA, MASAKUNI, JP
[71] MITSUBOSHI BELTING LTD., JP
[85] 2020-01-07
[86] 2018-07-10 (PCT/JP2018/026105)
[87] (WO2019/013232)
[30] JP (2017-135270) 2017-07-11
[30] JP (2018-073854) 2018-04-06
[30] JP (2018-121700) 2018-06-27

[21] **3,069,295**
[13] A1
[51] **Int.Cl. A61K 38/36 (2006.01) A61K 38/37 (2006.01) A61P 7/04 (2006.01)**
[25] EN
[54] **TREATMENT OF GASTROINTESTINAL BLEEDING IN PATIENTS WITH SEVERE VON WILLEBRAND DISEASE BY ADMINISTRATION OF RECOMBINANT VWF**
[54] **TRAITEMENT DE SAIGNEMENTS GASTRO-INTESTINAUX CHEZ DES PATIENTS ATTEINTS D'UNE FORME GRAVE DE LA MALADIE DE VON WILLEBRAND PAR L'ADMINISTRATION DE VWF RECOMBINE**
[72] CHAPMAN, MIRANDA, US
[72] EWENSTEIN, BRUCE, US
[72] PLODER, BETTINA, US
[71] BAXALTA INCORPORATED, US
[71] BAXALTA GMBH, CH
[85] 2020-01-07
[86] 2018-07-09 (PCT/US2018/041320)
[87] (WO2019/010497)
[30] US (62/530,027) 2017-07-07

[21] **3,069,296**
[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 9/78 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **TARGET-SPECIFIC CRISPR MUTANT**
[54] **MUTANT CRISPR SPECIFIQUE A UNE CIBLE**
[72] KIM, YOUNG-HOON, KR
[72] JUNG, MIN HEE, KR
[72] LEE, JOONSUN, KR
[72] SHIN, EUNJI, KR
[72] LEE, KANG IN, KR
[72] KIM, SEOKJOONG, KR
[72] LEE, JEONGJOON, KR
[71] TOOLGEN INCORPORATED, KR
[85] 2020-01-07
[86] 2018-07-06 (PCT/KR2018/007731)
[87] (WO2019/009682)
[30] US (62/529,601) 2017-07-07
[30] US (62/608,722) 2017-12-21

[21] **3,069,297**
[13] A1
[51] **Int.Cl. B01F 3/04 (2006.01) B01F 3/00 (2006.01) B01F 15/00 (2006.01) B01F 15/02 (2006.01) B67D 1/00 (2006.01) B67D 1/08 (2006.01) B67D 1/12 (2006.01)**
[25] EN
[54] **DISPENSE TAP WITH INTEGRAL INFUSION**
[54] **ROBINET DE DISTRIBUTION A INFUSION INTEGREE**
[72] PERKINS, BERNARD L., US
[72] MEZA, HUMBERTO V., US
[71] FLOW CONTROL LLC., US
[85] 2020-01-07
[86] 2018-07-10 (PCT/US2018/041406)
[87] (WO2019/014193)
[30] US (62/530,453) 2017-07-10

[21] **3,069,298**
[13] A1
[51] **Int.Cl. A61F 13/15 (2006.01) A61B 50/30 (2016.01) A61B 50/33 (2016.01) B65H 45/12 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR FOLDING AN INSTRUMENT TRAY INTO A PACKAGING MATERIAL**
[54] **DISPOSITIF ET PROCEDE DE PLIAGE D'UN ENSEMBLE D'INSTRUMENTS DANS UN EMBALLAGE**
[72] VAN DER VLIET, MARISKA SABINE, NL
[72] WELLING, NIELS PAUL EMERENTIANA, NL
[71] R-SOLUTION MEDICAL B.V., NL
[85] 2020-01-07
[86] 2018-07-06 (PCT/NL2018/050447)
[87] (WO2019/009724)
[30] NL (2019198) 2017-07-07

[21] **3,069,299**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **NEURAL NETWORK MODELS FOR REAL-TIME OPTIMIZATION OF DRILLING PARAMETERS DURING DRILLING OPERATIONS**
[54] **MODELES DE RESEAU NEURONAL POUR L'OPTIMISATION EN TEMPS REEL DE PARAMETRES DE FORAGE PENDANT DES OPERATIONS DE FORAGE**
[72] MADASU, SRINATH, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[72] RAIZADA, NISHANT, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-01-07
[86] 2017-11-15 (PCT/US2017/061849)
[87] (WO2019/040091)
[30] US (62/548,274) 2017-08-21

[21] **3,069,300**
[13] A1
[51] **Int.Cl. B65D 85/804 (2006.01) A47J 31/36 (2006.01)**
[25] EN
[54] **CAPSULE AND SYSTEM FOR PREPARING A BEVERAGE**
[54] **CAPSULE ET SYSTEME DE PREPARATION D'UNE BOISSON**
[72] ANDREWS, RICHARD JOHN, NL
[72] DE GRAAFF, GERBRAND KRISTIAAN, NL
[72] ALDERSON, PAUL, NL
[72] SOLANO BERMEJO, CHRISTIAN, NL
[71] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2020-01-07
[86] 2018-07-10 (PCT/NL2018/050460)
[87] (WO2019/013623)
[30] NL (2019220) 2017-07-10
[30] NL (2020374) 2018-02-02

[21] **3,069,301**
[13] A1
[51] **Int.Cl. F24F 13/02 (2006.01) B32B 1/08 (2006.01) B32B 15/04 (2006.01) B32B 15/08 (2006.01)**
[25] EN
[54] **STAINLESS STEEL FOIL LAMINATED PLASTIC HVAC DUCT AND METHOD OF MAKING SAME**
[54] **CONDUIT CVCA EN PLASTIQUE STRATIFIE AVEC UNE FEUILLE D'ACIER INOXYDABLE ET SON PROCEDE DE FABRICATION**
[72] SURRACO, FERNANDO, US
[71] SURRACO, FERNANDO, US
[85] 2020-01-07
[86] 2018-07-10 (PCT/US2018/041462)
[87] (WO2019/014235)
[30] US (15/648,045) 2017-07-12

[21] **3,069,302**
[13] A1
[51] **Int.Cl. H02P 29/024 (2016.01) G01R 31/34 (2020.01) H02H 7/08 (2006.01) H02P 23/00 (2016.01)**
[25] EN
[54] **TECHNIQUE FOR SELF LEARNING MOTOR LOAD PROFILE**
[54] **TECHNIQUE D'AUTO-APPRENTISSAGE DE PROFIL DE CHARGE DE MOTEUR**
[72] WILLIAMS, DEAN PATRICK, US
[72] GEORGE, NAVEEN, US
[72] HAUENSTEIN, KEN, US
[71] ITT MANUFACTURING ENTERPRISES LLC, US
[85] 2020-01-07
[86] 2018-07-12 (PCT/US2018/041798)
[87] (WO2019/014435)
[30] US (15/648,838) 2017-07-13

[21] **3,069,303**
[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01) A61B 5/053 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR DETERMINING FLUID VOLUMES USING BIOIMPEDANCE INFORMATION**
[54] **TECHNIQUES DE DETERMINATION DE VOLUMES DE FLUIDE A L'AIDE D'INFORMATIONS DE BIO-IMPEDANCE**
[72] ZHU, FANSAN, US
[72] KOTANKO, PETER, US
[72] LEVIN, NATHAN W., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-01-07
[86] 2018-07-10 (PCT/US2018/041474)
[87] (WO2019/014241)
[30] US (62/531,254) 2017-07-11

[21] **3,069,304**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) G05B 13/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING A SCHEDULE TO EXTRACT A RESOURCE FROM A RESERVOIR**
[54] **SYSTEME ET PROCEDE DE GENERATION DE PROGRAMME D'EXTRACTION DE RESSOURCE D'UN RESERVOIR**
[72] KLENNER, ROBERT CARL LLOYD, US
[72] ROBERTSON, ERIC, US
[72] LIU, GUOXIANG, US
[72] IYER, NARESH SUNDARAM, US
[72] AZZARO, STEVEN HECTOR, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2020-01-07
[86] 2018-02-12 (PCT/US2018/017767)
[87] (WO2018/152051)
[30] US (15/433,086) 2017-02-15

[21] **3,069,305**
[13] A1
[51] **Int.Cl. H04N 5/225 (2006.01) G06F 3/01 (2006.01)**
[25] EN
[54] **UNDERWATER OPTICAL POSITIONING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE POSITIONNEMENT OPTIQUE SOUS-MARIN**
[72] EMBRY, CARL W., US
[72] MANNING, NEIL, US
[72] PIERCE, DEREK D., US
[72] HARDY, MARK, US
[71] 3D AT DEPTH, INC., US
[85] 2020-01-07
[86] 2018-07-10 (PCT/US2018/041479)
[87] (WO2019/014245)
[30] US (62/530,747) 2017-07-10

[21] **3,069,306**
[13] A1
[51] **Int.Cl. E21B 34/10 (2006.01) E21B 34/14 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MOVING A SLIDING SLEEVE BASED ON INTERNAL PRESSURE**
[54] **PROCEDES ET SYSTEMES POUR DEPLACER UN MANCHON COULISSANT SUR LA BASE D'UNE PRESSION INTERNE**
[72] ANTONSEN, ROGER, US
[72] SARAYA, MOHAMED IBRAHIM, US
[71] COMITT WELL SOLUTIONS US HOLDING INC., US
[85] 2020-01-07
[86] 2018-02-20 (PCT/US2018/018703)
[87] (WO2019/067012)
[30] US (62/565,547) 2017-09-29

[21] **3,069,307**
[13] A1
[51] **Int.Cl. G02B 6/02 (2006.01) G02B 6/036 (2006.01) G02B 6/04 (2006.01) G02B 6/06 (2006.01)**
[25] EN
[54] **ONE-TO-MANY OPTICAL FIBER ARRAY STRUCTURES AND METHODS**
[54] **UN-A-PLUSIEURS STRUCTURES DE RESEAU DE FIBRES OPTIQUES ET PROCEDES**
[72] SCARLETT, CAROL Y., US
[71] SCARLETT, CAROL Y., US
[85] 2020-01-07
[86] 2018-07-20 (PCT/US2018/043192)
[87] (WO2019/018830)
[30] US (62/534,993) 2017-07-20

[21] **3,069,308**
[13] A1
[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/564 (2006.01)**
[25] EN
[54] **COMPOSITIONS, DEVICES, AND METHODS OF DEPRESSION SENSITIVITY TESTING**
[54] **COMPOSITIONS, DISPOSITIFS, ET PROCEDES D'EVALUATION DE LA SENSIBILITE A LA DEPRESSION**
[72] IRANI-COHEN, ZACKARY, US
[72] LADERMAN, ELISABETH, US
[71] BIOMERICA, INC., US
[85] 2020-01-07
[86] 2017-07-07 (PCT/US2017/041166)
[87] (WO2018/009845)
[30] US (62/539,909) 2016-07-08

[21] **3,069,309**
[13] A1
[51] **Int.Cl. F16L 1/26 (2006.01) G01B 5/004 (2006.01)**
[25] EN
[54] **UNDERWATER OPTICAL METROLOGY SYSTEM**
[54] **SYSTEME DE METROLOGIE OPTIQUE SOUS-MARINE**
[72] EMBRY, CARL W., US
[72] MANNING, NEIL, US
[72] PIERCE, DEREK D., US
[72] RICKARDS, JULIAN PETER, GB
[72] MOORE, CORY S., US
[71] 3D AT DEPTH, INC., US
[85] 2020-01-07
[86] 2018-07-10 (PCT/US2018/041488)
[87] (WO2019/014253)
[30] US (62/530,747) 2017-07-10

[21] **3,069,310**
[13] A1
[51] **Int.Cl. B60N 2/00 (2006.01) B29C 44/12 (2006.01) B29C 44/58 (2006.01) B60N 2/70 (2006.01) B60R 21/015 (2006.01) G01L 1/14 (2006.01)**
[25] EN
[54] **PRESSURE SENSING SYSTEM AND SEAT CUSHION HAVING THE PRESSURE SENSING SYSTEM**
[54] **SYSTEME DE DETECTION DE PRESSION ET COUSSIN DE SIEGE COMPORTANT LE SYSTEME DE DETECTION DE PRESSION**
[72] CARRARO, BRUNO, US
[72] KOZLOWSKI, ERIC, US
[72] CHAUVIN, RENE, CA
[72] WYATT, DANIEL C., US
[71] MAGNA SEATING INC., CA
[85] 2020-01-07
[86] 2018-07-09 (PCT/US2018/041188)
[87] (WO2019/010473)
[30] US (62/529,517) 2017-07-07

[21] **3,069,311**
[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/4155 (2006.01) A61K 31/416 (2006.01) A61K 31/4178 (2006.01) A61K 31/427 (2006.01) A61K 31/436 (2006.01) A61K 31/4365 (2006.01) A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/4406 (2006.01) A61K 31/4709 (2006.01) A61K 31/496 (2006.01) A61P 9/00 (2006.01) A61P 21/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 231/20 (2006.01) C07D 231/22 (2006.01) C07D 231/56 (2006.01) C07D 401/04 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 491/04 (2006.01) C07D 495/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **5-MEMBERED AND BICYCLIC HETEROCYCLIC AMIDES AS INHIBITORS OF ROCK**
[54] **AMIDES HETEROCYCLIQUES A 5 CHAINONS ET BICYCLIQUES UTILISES EN TANT QU'INHIBITEURS DE ROCK**
[72] GLUNZ, PETER W., US
[72] LADZIATA, VLADIMIR, US
[72] DE LUCCA, INDAWATI, US
[72] TORA, GEORGE O., US
[72] MAISHAL, TARUN KUMAR, IN
[72] TANGIRALA, RAGHURAM, IN
[72] THIYAGARAJAN, KAMALRAJ, IN
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2020-01-07
[86] 2018-07-11 (PCT/US2018/041573)
[87] (WO2019/014308)
[30] US (62/531,563) 2017-07-12

[21] **3,069,312**
[13] A1
[51] **Int.Cl. C08G 63/81 (2006.01) A61K 47/59 (2017.01) C08G 63/123 (2006.01) C08G 63/133 (2006.01)**
[25] EN
[54] **POLY(GLYCEROL SEBACATE)-INTERLEUKIN INHIBITOR COPOLYMERS AND METHODS OF MAKING AND USE**
[54] **COPOLYMERES DE POLY (SEBACATE DE GLYCEROL)-INHIBITEUR D'INTERLEUKINE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] GABRIELE, PETER D., US
[72] SMOOT, CARISSA, US
[72] NICHOLSON, CHARLES BRENDAN, US
[72] HARRIS, JEREMY J., US
[71] THE SECANT GROUP, LLC, US
[85] 2020-01-07
[86] 2018-07-11 (PCT/US2018/041645)
[87] (WO2019/014349)
[30] US (62/531,132) 2017-07-11

[21] **3,069,313**
[13] A1
[51] **Int.Cl. G08B 1/08 (2006.01) G08B 13/24 (2006.01) H04Q 9/00 (2006.01)**
[25] EN
[54] **LOCKING DEVICE WITH TRACKING FUNCTIONALITY**
[54] **DISPOSITIF DE VERROUILLAGE AVEC FONCTIONNALITE DE SUIVI**
[72] STERNLIGHT, DAVID BRET, US
[72] DIXON, KEVIN, US
[72] WILKENING, JOHN, US
[72] CHRISTIANSEN, TROY OSMOND, US
[72] CROSS, JOSHUA SETH MARK, US
[71] CABEAU, INC., US
[85] 2020-01-07
[86] 2018-07-16 (PCT/US2018/042273)
[87] (WO2019/014669)
[30] US (62/532,881) 2017-07-14

[21] **3,069,314**
[13] A1
[51] **Int.Cl. C07C 2/84 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE OXIDATIVE COUPLING OF METHANE**
[54] **SYSTEMES ET PROCEDES PERMETTANT LE COUPLAGE OXYDANT DE METHANE**
[72] CIZERON, JOEL, US
[72] SHERIDAN, DAVID, US
[72] TURK, GREGORY J., US
[72] LAKHAPATRI, SATISH, US
[72] FAN, RONG, US
[72] RADAELLI, GUIDO, US
[72] MARTENS, FRANCISCUS J.A., CA
[72] MCCORMICK, JAROD, US
[72] ROSENBERG, DANIEL, US
[72] ZURCHER, FABIO R., US
[72] GRAUER, DAVID C., US
[71] LUMMUS TECHNOLOGY LLC, US
[85] 2020-01-07
[86] 2018-07-09 (PCT/US2018/041322)
[87] (WO2019/010498)
[30] US (62/529,942) 2017-07-07
[30] US (62/530,639) 2017-07-10
[30] US (62/557,597) 2017-09-12

[21] **3,069,315**
[13] A1
[51] **Int.Cl. B01D 53/52 (2006.01)**
[25] EN
[54] **APPLICATION OF FORMALDEHYDE SULFOXYLATES FOR SCAVENGING H2S**
[54] **APPLICATION DE SULFOXYLATES DE FORMALDEHYDE POUR PIEGER H2S**
[72] LEHRER, SCOTT E., US
[72] CHAKRABORTY, SOMA, US
[72] RAMACHANDRAN, SUNDER, US
[72] PHAN, KIMCHI T., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-01-07
[86] 2018-07-11 (PCT/US2018/041676)
[87] (WO2019/014367)
[30] US (62/531,686) 2017-07-12
[30] US (16/031,876) 2018-07-10

[21] **3,069,316**
[13] A1
[51] **Int.Cl. C02F 1/463 (2006.01)**
[25] EN
[54] **WASTEWATER CLEANING SYSTEM AND PROCESS**
[54] **SYSTEME D'EPURATION DES EAUX USEES**
[72] BRONK, MATTHEW, US
[72] ERDOGAN, ARGUN OLCAYTO, US
[72] ANTONNEAU, NATHAN, US
[71] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2020-01-07
[86] 2018-07-10 (PCT/US2018/041391)
[87] (WO2019/014180)
[30] US (62/532,043) 2017-07-13

[21] **3,069,317**
[13] A1
[51] **Int.Cl. C08L 95/00 (2006.01) C08K 3/013 (2018.01) C08J 5/00 (2006.01) C08J 5/18 (2006.01) C08K 3/04 (2006.01) C08K 9/10 (2006.01) C08L 21/00 (2006.01)**
[25] EN
[54] **INTER-PENETRATING ELASTOMER NETWORK DERIVED FROM GROUND TIRE RUBBER PARTICLES**
[54] **RESEAU ELASTOMERE INTER-PENETRANT DERIVE DE PARTICULES DE CAOUTCHOUC DE DECHETS DE PNEUS BROYES**
[72] COE, WILLIAM B., US
[71] COE, WILLIAM B., US
[85] 2020-01-07
[86] 2018-08-02 (PCT/US2018/045061)
[87] (WO2019/028286)
[30] US (62/541,610) 2017-08-04
[30] US (62/569,374) 2017-10-06
[30] US (62/621,465) 2018-01-24
[30] US (PCT/US2018/028656) 2018-04-20
[30] US (62/703,366) 2018-07-25
[30] US (62/613,744) 2018-01-04

[21] **3,069,318**
[13] A1
[51] **Int.Cl. D21C 9/18 (2006.01) D21H 11/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DEWATERING A SLURRY THAT INCLUDES LIGNOCELLULOSIC BIOMASS AND LIQUID**
[54] **SYSTEMES ET PROCEDES DE DESHYDRATATION D'UNE BOUILLIE COMPRENANT UNE BIOMASSE LIGNOCELLULOSIQUE ET UN LIQUIDE**
[72] CARLSON, DAVID CHARLES, US
[71] POET RESEARCH, INC., US
[85] 2020-01-07
[86] 2018-07-12 (PCT/US2018/041760)
[87] (WO2019/014416)
[30] US (62/532,228) 2017-07-13

[21] **3,069,320**
[13] A1
[51] **Int.Cl. B32B 27/12 (2006.01) D06N 7/06 (2006.01) E04F 15/02 (2006.01)**
[25] EN
[54] **POWDER IMPREGNATION OF TEXTURED FABRIC SURFACES**
[54] **IMPREGNATION DE POUDRE DE SURFACES DE TISSU TEXTUREES**
[72] REES, JOHN JOSEPH MATTHEWS, US
[72] TSIARKEZOS, STEPHEN HORACE, US
[72] ZAFIROGLU, DIMITRI, US
[71] ENGINEERED FLOORS LLC, US
[85] 2020-01-07
[86] 2018-07-10 (PCT/US2018/041448)
[87] (WO2019/014225)
[30] US (62/530,621) 2017-07-10

[21] **3,069,321**
[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **INCORPORATION OF UNNATURAL NUCLEOTIDES AND METHODS THEREOF**
[54] **INCORPORATION DE NUCLEOTIDES NON NATURELS ET PROCEDES ASSOCIES**
[72] PTACIN, JEROD, US
[72] CAFFARO, CAROLINA, US
[72] AERNI, HANS, US
[72] ZHANG, YORKE, US
[72] FISCHER, EMIL C., US
[72] FELDMAN, AARON W., US
[72] DIEN, VIVIAN T., US
[72] ROMESBERG, FLOYD E., US
[71] SYNTHORX, INC., US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2020-01-07
[86] 2018-07-10 (PCT/US2018/041509)
[87] (WO2019/014267)
[30] US (62/531,325) 2017-07-11

[21] **3,069,322**
[13] A1
[51] **Int.Cl. G01V 1/30 (2006.01) G01V 99/00 (2009.01)**
[25] EN
[54] **RESERVOIR MATERIALITY BOUNDS FROM SEISMIC INVERSION**
[54] **LIMITES DE MATERIALITE DE RESERVOIR A PARTIR D'UNE INVERSION SISMIQUE**
[72] WHEELOCK, BRENT, US
[72] SCHMEDES, JAN, US
[72] SAIN, RATNANABHA, US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-01-07
[86] 2018-07-16 (PCT/US2018/042286)
[87] (WO2019/036135)
[30] US (62/545,748) 2017-08-15

[21] **3,069,323**
[13] A1
[51] **Int.Cl. G01N 21/25 (2006.01) G01J 3/427 (2006.01) G01N 21/31 (2006.01) G01N 33/08 (2006.01)**
[25] EN
[54] **APPARATUS FOR ANALYZING A MEDIA, AND ASSOCIATED EGG IDENTIFICATION APPARATUS AND METHOD**
[54] **APPAREIL D'ANALYSE D'UN MILIEU ET APPAREIL ET PROCEDE D'IDENTIFICATION D'□UFS CORRESPONDANTS**
[72] BASCIANO, AMANDA ELIZABETH, US
[72] WALUKAS, JOEL JAMES, US
[72] WICKSTROM, DANIEL, US
[71] ZOETIS SERVICES LLC, US
[85] 2020-01-07
[86] 2018-07-27 (PCT/US2018/043996)
[87] (WO2019/027814)
[30] US (62/539,684) 2017-08-01

[21] **3,069,324**
[13] A1
[51] **Int.Cl. H01M 8/1004 (2016.01) H01M 8/1018 (2016.01)**
[25] EN
[54] **MEMBRANE ELECTRODE ASSEMBLY WITH FLUORO ALKYL COMPOUND ADDITIVE**
[54] **ENSEMBLE ELECTRODE A MEMBRANE COMPRENANT UN ADDITIF COMPOSE AU FLUORO ALKYLE**
[72] BASHYAM, RAJESH, CA
[72] HE, PING, CA
[72] YE, SIYU, CA
[71] BALLARD POWER SYSTEMS INC., CA
[85] 2020-01-07
[86] 2018-07-17 (PCT/US2018/042498)
[87] (WO2019/023003)
[30] US (62/537,365) 2017-07-26

[21] **3,069,325**
[13] A1
[51] **Int.Cl. G01N 33/28 (2006.01) G01N 22/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CHARACTERIZATION OF GEOCHEMICAL PROPERTIES OF HYDROCARBONS USING MICROWAVES**
[54] **PROCEDES ET SYSTEMES DE CARACTERISATION DE PROPRIETES GEOCHIMIQUES D'HYDROCARBURES A L'AIDE DE MICRO-ONDES**
[72] ALVAREZ, JOSE OLIVERIO, US
[72] JACOBI, DAVID, US
[71] SAUDI ARABIAN OIL COMAPNY, SA
[85] 2020-01-07
[86] 2018-07-19 (PCT/US2018/042787)
[87] (WO2019/018586)
[30] US (62/535,053) 2017-07-20

[21] **3,069,326**
[13] A1
[51] **Int.Cl. H02K 1/06 (2006.01) H02P 25/092 (2016.01) H02K 5/04 (2006.01) H02K 5/128 (2006.01) H02K 37/04 (2006.01) H02P 25/08 (2016.01)**
[25] EN
[54] **REDUCED NOISE AND VIBRATION SWITCHED RELUCTANCE MACHINE**
[54] **MACHINE A RELUCTANCE COMMUTEE A BRUIT ET VIBRATIONS REDUITS**
[72] DESAI, PIYUSH, US
[72] KNODEL, TIMOTHY, US
[72] KNODEL, BRYAN, US
[72] FAIRALL, EARL, US
[71] SOFTWARE MOTOR COMPANY, US
[85] 2020-01-07
[86] 2019-04-16 (PCT/US2019/027749)
[87] (WO2019/204356)
[30] US (62/658,485) 2018-04-16

[21] **3,069,327**
[13] A1
[51] **Int.Cl. B65D 19/06 (2006.01) B65D 88/00 (2006.01) B65D 90/00 (2006.01)**
[25] EN
[54] **A REUSABLE BIN ASSEMBLY**
[54] **ENSEMBLE BAC REUTILISABLE**
[72] HOLM, JASON, AU
[72] RAFFERTY, JOHN, AU
[71] KENNETH R MORAS PTY LTD, AU
[85] 2020-01-08
[86] 2018-08-31 (PCT/AU2018/000159)
[87] (WO2019/040968)
[30] AU (2017903511) 2017-08-31

[21] **3,069,328**
[13] A1
[51] **Int.Cl. C09K 8/504 (2006.01) C09K 8/506 (2006.01) C09K 8/514 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **LOSS CIRCULATION COMPOSITIONS (LCM) HAVING PORTLAND CEMENT CLINKER**
[54] **COMPOSITIONS DE CIRCULATION DE PERTE (LCM) CONTENANT DES SCORIES DE CIMENT PORTLAND**
[72] REDDY, B. RAGHAVA, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-07
[86] 2018-07-13 (PCT/US2018/041917)
[87] (WO2019/018209)
[30] US (62/535,024) 2017-07-20
[30] US (15/788,449) 2017-10-19

[21] **3,069,329**
[13] A1
[51] **Int.Cl. A47J 39/02 (2006.01) A47J 36/24 (2006.01) A47J 39/00 (2006.01)**
[25] EN
[54] **TRAY IDENTIFICATION ACCESSORY FOR FOOD HOLDING DEVICES**
[54] **ACCESSOIRE D'IDENTIFICATION DE PLATEAU POUR DISPOSITIFS DE MAINTIEN D'ALIMENTS**
[72] PATTERSON, NICHOLAS M., US
[72] FLUCK, JORDAN N., US
[71] CLEVELAND RANGE, LLC, US
[85] 2020-01-07
[86] 2018-09-14 (PCT/US2018/051007)
[87] (WO2019/055744)
[30] US (62/558,647) 2017-09-14

[21] **3,069,331**
[13] A1
[51] **Int.Cl. A01N 25/12 (2006.01) A01M 21/04 (2006.01) A01N 25/26 (2006.01) B23B 45/00 (2006.01) B23B 45/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CAPSULAR DELIVERY TO PLANTS**
[54] **PROCEDE ET APPAREIL D'ADMINISTRATION CAPSULAIRE A DES PLANTES**
[72] RIIKONEN, PETER, AU
[72] GOULTER, KEN, AU
[71] BIOHERBICIDES AUSTRALIA PTY LTD, AU
[85] 2020-01-08
[86] 2018-08-02 (PCT/AU2018/050807)
[87] (WO2019/023755)
[30] AU (2017903063) 2017-08-02

[21] **3,069,332**
[13] A1
[51] **Int.Cl. C10G 47/02 (2006.01)**
[25] EN
[54] **INTEGRATED THERMAL AND CATALYTIC CRACKING FOR OLEFIN PRODUCTION**
[54] **CRAQUAGE THERMIQUE ET CATALYTIQUE INTEGRE POUR LA PRODUCTION D'OLEFINES**
[72] SUNDARAM, KANDASAMY MEENAKSHI, US
[71] LUMMUS TECHNOLOGY LLC, US
[85] 2020-01-07
[86] 2018-07-18 (PCT/US2018/042754)
[87] (WO2019/018569)
[30] US (62/534,111) 2017-07-18

[21] **3,069,333**
[13] A1
[51] **Int.Cl. C09K 8/504 (2006.01) C09K 8/506 (2006.01)**
[25] EN
[54] **LOSS CIRCULATION COMPOSITIONS (LCM) HAVING PORTLAND CEMENT CLINKER**
[54] **COMPOSITIONS DE MATERIAU DE PERTE DE CIRCULATION (LCM) COMPRENANT DU CLINKER DE CIMENT PORTLAND**
[72] REDDY, B. RAGHAVA, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-07
[86] 2018-07-13 (PCT/US2018/041918)
[87] (WO2019/018210)
[30] US (15/788,457) 2017-10-19
[30] US (62/535,024) 2017-07-20

[21] **3,069,334**
[13] A1
[51] **Int.Cl. B25B 23/10 (2006.01) B25B 13/52 (2006.01) B25B 23/142 (2006.01) B25B 23/159 (2006.01) F16B 31/02 (2006.01)**
[25] EN
[54] **BACKUP WRENCHES**
[54] **CLES DE MAINTIEN**
[72] BROWN, IAN WARREN, AU
[71] INTEGRITY ENGINEERING SOLUTIONS PTY LTD, AU
[85] 2020-01-08
[86] 2018-07-11 (PCT/AU2018/050715)
[87] (WO2019/010531)
[30] AU (2017902718) 2017-07-11

[21] **3,069,336**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 9/10 (2006.01) A61K 9/20 (2006.01) A61P 17/14 (2006.01)**
[25] EN
[54] **PROMOTING HAIR GROWTH AND TREATMENT OF HAIR LOSS OR EXCESSIVE HAIR SHEDDING**
[54] **STIMULATION DE LA POUSSE DES CHEVEUX ET TRAITEMENT DE LA CHUTE DE CHEVEUX OU DE L'ALOPECIE EXCESSIVE**
[72] SINCLAIR, RODNEY, AU
[71] SAMSON CLINICAL PTY LTD, AU
[85] 2020-01-08
[86] 2018-07-12 (PCT/AU2018/050719)
[87] (WO2019/010535)
[30] AU (2017902722) 2017-07-12

[21] **3,069,337**
[13] A1
[51] **Int.Cl. C09K 8/504 (2006.01) C09K 8/506 (2006.01) C09K 8/508 (2006.01) C09K 8/514 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **LOSS CIRCULATION COMPOSITIONS (LCM) HAVING PORTLAND CEMENT CLINKER**
[54] **COMPOSITIONS DE MATERIAU DE PERTE DE CIRCULATION (LCM) COMPRENANT DU CLINKER DE CIMENT PORTLAND**
[72] REDDY, B. RAGHAVA, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-07
[86] 2018-07-13 (PCT/US2018/041919)
[87] (WO2019/018211)
[30] US (62/535,024) 2017-07-20
[30] US (15/788,461) 2017-10-19

[21] **3,069,338**
[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 5/10 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **GENE EDITING SYSTEM FOR CORRECTING SPLICING DEFECTS**
[54] **SYSTEME D'EDITION DE GENE POUR CORRIGER LES DEFAUTS D'EPISSAGE**
[72] COHN, RONALD D., CA
[72] KEMALADEWI, DWI UTAMI, CA
[72] IVAKINE, EVGUENI, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[85] 2020-01-08
[86] 2017-09-29 (PCT/CA2017/051152)
[87] (WO2019/010559)
[30] US (62/530,703) 2017-07-10

[21] **3,069,339**
[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/445 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING ENTRECTINIB**
[54] **COMPOSITIONS PHARMACEUTIQUES CONTENANT DE L'ENTRECTINIB**
[72] CODALLOS, DANIEL, JR., US
[72] ORR, ROBERT, US
[72] LI, CHING-YUAN, US
[72] START, VALERIE DENISE, US
[71] IGNYTA, INC., US
[85] 2020-01-07
[86] 2018-07-18 (PCT/US2018/042756)
[87] (WO2019/018570)
[30] US (62/534,585) 2017-07-19

[21] **3,069,340**
[13] A1
[51] **Int.Cl. B01F 5/04 (2006.01) B01F 3/04 (2006.01) B03D 1/24 (2006.01)**
[25] EN
[54] **AN APPARATUS AND METHOD OF FEEDING A FEED SLURRY INTO A SEPARATING DEVICE**
[54] **APPAREIL ET PROCEDE D'ALIMENTATION D'UNE SUSPENSION D'ALIMENTATION DANS UN DISPOSITIF DE SEPARATION**
[72] GALVIN, KEVIN PATRICK, AU
[72] DICKINSON, JAMES EDWARD, AU
[72] ORUPOLD, TAAVI, AU
[72] GARDINER, MICHAEL JAMES, AU
[71] TUNRA LTD., AU
[85] 2020-01-08
[86] 2018-07-13 (PCT/AU2018/050725)
[87] (WO2019/014700)

[21] **3,069,341**
[13] A1
[51] **Int.Cl. A62C 37/42 (2006.01) A62C 37/48 (2006.01) F16K 31/46 (2006.01)**
[25] EN
[54] **PREACTION SPRINKLER VAVLE ASSEMBLIES, RELATED DRY SPRINKLER DEVICES ADAPTED FOR LONG TRAVEL, AND FIRE PROTECTION SPRINKLER SYSTEMS**
[54] **ENSEMBLES ROBINETS D'EXTINCTEURS A PREACTION, DISPOSITIFS EXTINCTEURS A AIR COMPRIME ASSOCIES ET SYSTEMES D'EXTINCTEURS DE PROTECTION CONTRE LE FEU**
[72] MEYER, STEPHEN J., US
[72] ARCHIBALD, THOMAS EDWIN, US
[72] RINGER, YORAM, US
[71] VICTAULIC COMPANY, US
[85] 2020-01-07
[86] 2018-07-13 (PCT/US2018/041968)
[87] (WO2019/014525)
[30] US (15/648,861) 2017-07-13

[21] **3,069,342**
[13] A1
[51] **Int.Cl. H01M 2/10 (2006.01) H01M 10/0525 (2010.01) H01M 10/0567 (2010.01)**
[25] EN
[54] **MODULAR LITHIUM-ION BATTERY SYSTEM FOR FORK LIFTS**
[54] **SYSTEME DE BATTERIE AU LITHIUM-ION MODULAIRE POUR ELEVATEURS A FOURCHE**
[72] GUGLIELMO, KENNON, US
[72] SCHUMANN, ADAM, US
[72] LUDWIG, BRENT, US
[72] MARTIN, MATTHEW, US
[71] ECONTROLS, LLC, US
[85] 2020-01-07
[86] 2018-07-13 (PCT/US2018/042188)
[87] (WO2019/014653)
[30] US (62/532,199) 2017-07-13
[30] US (62/692,702) 2018-06-30

[21] **3,069,343**
[13] A1
[51] **Int.Cl. B64C 13/50 (2006.01) F16H 19/02 (2006.01) F16H 21/12 (2006.01) F16H 21/16 (2006.01)**
[25] EN
[54] **AIRCRAFT STEERING SYSTEM PROVIDED WITH ELECTROMECHANICAL ACTUATOR**
[54] **SYSTEME DE DIRECTION D'AERONEF EQUIPE D'UN ACTIONNEUR ELECTROMECANIQUE**
[72] MIYAZONO, KOHEI, JP
[72] NISHIYAMA, YOJI, JP
[72] SUGIURA, HIDEYUKI, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2020-01-07
[86] 2018-07-17 (PCT/JP2018/026700)
[87] (WO2019/017325)
[30] JP (2017-139156) 2017-07-18

[21] **3,069,344**
[13] A1
[51] **Int.Cl. G06T 15/20 (2011.01) G06T 19/00 (2011.01)**
[25] EN
[54] **MULTIPLE OBSERVER IMPROVEMENT FOR A VIRTUAL ENVIRONMENT**
[54] **AMELIORATION POUR DE MULTIPLES OBSERVATEURS POUR UN ENVIRONNEMENT VIRTUEL**
[72] DELL, BRUCE ROBERT, AU
[71] EUCLIDEON HOLOGRAPHICS PTY LTD, AU
[85] 2020-01-08
[86] 2018-07-18 (PCT/AU2018/050754)
[87] (WO2019/014718)
[30] AU (2017902825) 2017-07-19

[21] **3,069,345**
[13] A1
[51] **Int.Cl. A61K 8/31 (2006.01) A61K 8/34 (2006.01) A61K 8/37 (2006.01) A61K 8/58 (2006.01) A61K 8/67 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **SKIN COMPOSITION BOOSTER OIL**
[54] **HUILE DE RENFORCEMENT POUR COMPOSITION DE SOIN DE LA PEAU**
[72] BUCHALOVA, MARIA, US
[72] MOADDEL, TEANOOSH, US
[71] UNILEVER PLC, GB
[85] 2020-01-08
[86] 2018-06-21 (PCT/EP2018/066641)
[87] (WO2019/011619)
[30] EP (17180847.0) 2017-07-12

[21] **3,069,346**
[13] A1
[51] **Int.Cl. C08L 67/00 (2006.01) B33Y 70/00 (2020.01) C08J 3/20 (2006.01)**
[25] EN
[54] **BIOBASED ADDITIVE FOR THERMOPLASTIC POLYESTERS**
[54] **ADDITIF D'ORIGINE BIOLOGIQUE POUR POLYESTERS THERMOPLASTIQUES**
[72] CHALOUPLI, NAQI NAJAFI, CA
[72] SIMMONS, HEATHER LEIGH, CA
[72] PRAPHULLA, CA
[72] KONTOPOULOU, MARIANNA, CA
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA
[85] 2020-01-08
[86] 2018-07-11 (PCT/CA2018/050844)
[87] (WO2019/010574)
[30] US (62/531,107) 2017-07-11

[21] **3,069,348**
[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01) G06F 9/445 (2018.01)**
[25] EN
[54] **SMART EQUIPMENT, METHOD USED BY SMART EQUIPMENT, AND SMART LAMP**
[54] **EQUIPEMENT INTELLIGENT, PROCEDE UTILISE PAR UN EQUIPEMENT INTELLIGENT ET LAMPE INTELLIGENTE**
[72] LUO, XIN, CN
[72] SHI, CHARLES, CN
[72] XING, DONG, CN
[72] WANG, AIJUN, CN
[72] ZHANG, JIYONG, CN
[71] GENERAL ELECTRIC COMPANY, US
[85] 2020-01-08
[86] 2017-08-15 (PCT/CN2017/097508)
[87] (WO2019/033266)

[21] **3,069,349**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS AND DEVICES FOR NUCLEIC ACID-BASED REAL-TIME DETERMINATION OF DISEASE STATES**
[54] **PROCEDES ET DISPOSITIFS POUR LA DETERMINATION D'ETATS PATHOLOGIQUES, EN TEMPS REEL REPOSANT SUR DES ACIDES NUCLEIQUES**
[72] STEVENS, PHILIP, DE
[71] NOSCENDO GMBH, DE
[85] 2020-01-08
[86] 2018-07-18 (PCT/EP2018/069493)
[87] (WO2019/016258)
[30] EP (17182104.4) 2017-07-19

[21] **3,069,351**
[13] A1
[51] **Int.Cl. A23C 11/06 (2006.01) A23L 9/20 (2016.01) A23C 11/10 (2006.01) A23L 2/02 (2006.01) A23L 2/06 (2006.01) A23L 2/66 (2006.01) A23L 2/68 (2006.01)**
[25] EN
[54] **NATURAL CREAMER WITH HIGH TOLERANCE TO ACIDITY AND MINERALS IN BEVERAGE**
[54] **SUCCEDANE DE CREME NATUREL AYANT UNE TOLERANCE ELEVEE A L'ACIDITE ET AUX MINERAUX DANS UNE BOISSON**
[72] ROUSSET, PHILIPPE, US
[72] SAFFON, MAXIME, US
[72] STEFFES, PETER, US
[72] FU, XIAOPING, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-01-08
[86] 2018-09-28 (PCT/EP2018/076518)
[87] (WO2019/068590)
[30] US (62/566,768) 2017-10-02

[21] **3,069,352**
[13] A1
[51] **Int.Cl. C12P 19/00 (2006.01) C10L 1/00 (2006.01) C12P 1/00 (2006.01) C12P 7/22 (2006.01)**
[25] EN
[54] **REMOVING POLYPHENOL CONTAMINANTS FROM FEEDSTOCK-BASED POLYPHENOLS**
[54] **ELIMINATION DE POLYPHENOLS CONTAMINANTS DE POLYPHENOLS DE CHARGE DE DEPART**
[72] YACYSHYN, VINCENT, CA
[71] YACYSHYN, VINCENT, CA
[85] 2020-01-08
[86] 2018-07-26 (PCT/CA2018/050906)
[87] (WO2019/018937)
[30] US (62/537,298) 2017-07-26

[21] **3,069,353**
[13] A1
[51] **Int.Cl. A61K 31/4415 (2006.01) A61K 31/198 (2006.01) A61K 31/519 (2006.01) A61K 31/525 (2006.01) A61K 31/714 (2006.01) A61K 33/30 (2006.01) A61P 15/08 (2006.01)**
[25] EN
[54] **FOOD SUPPLEMENT FOR PROTECTING FEMALE AND MALE FERTILITY**
[54] **COMPLEMENT ALIMENTAIRE POUR PROTEGER LA FERTILITE FEMININE ET MASCULINE**
[72] COHEN, MARC, FR
[71] NURIBIOL, FR
[85] 2020-01-08
[86] 2018-06-29 (PCT/FR2018/051623)
[87] (WO2019/012199)
[30] FR (1756514ES) 2017-07-10

[21] **3,069,355**
[13] A1
[51] **Int.Cl. F24F 11/89 (2018.01)**
[25] EN
[54] **AIR CONDITIONING SYSTEM, AND DEFROSTING CONTROL METHOD AND DEVICE THEREOF**
[54] **SYSTEME DE CLIMATISATION, ET PROCEDE DE COMMANDE DE DEGIVRAGE ET SON DISPOSITIF**
[72] MA, XIHUA, CN
[72] XU, YONGFENG, CN
[72] XIONG, MEIBING, CN
[72] REN, LINXING, CN
[71] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2020-01-08
[86] 2017-11-02 (PCT/CN2017/109129)
[87] (WO2019/075785)
[30] CN (201710972577.2) 2017-10-18

[21] **3,069,357**
[13] A1
[51] **Int.Cl. B60W 50/00 (2006.01) G01C 21/34 (2006.01)**
[25] EN
[54] **DRIVER ASSISTANCE SYSTEM, MEANS OF TRANSPORTATION AND METHOD FOR OPERATING A MEANS OF TRANSPORTATION IN A SLEEP-PHASE-SPECIFIC MANNER**
[54] **SYSTEME D'AIDE A LA CONDUITE, MOYEN DE LOCOMOTION ET PROCEDE POUR FAIRE FONCTIONNER UN MOYEN DE LOCOMOTION EN FONCTION DES PHASES DE SOMMEIL**
[72] WIRTZ, ALEXANDER, DE
[71] VOLKSWAGEN AKTIENGESELLSCHAFT, DE
[85] 2020-01-08
[86] 2018-07-02 (PCT/EP2018/067837)
[87] (WO2019/011703)
[30] DE (10 2017 212 111.4) 2017-07-14

[21] **3,069,358**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 9/00 (2006.01) A61P 25/04 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **ASK1 INHIBITING PYRROLOPYRIMIDINE AND PYRROLOPYRIDINE DERIVATIVES**
[54] **DERIVES DE PYRROLOPYRIMIDINE ET DE PYRROLOPYRIDINE INHIBANT ASK1**
[72] AMANTINI, DAVID, FR
[72] MESIC, MILAN, HR
[72] SAXTY, GORDON, HR
[72] POLJAK, TANJA, HR
[72] VUJASINOVIC, INES, HR
[72] ZIHER, DINKO, HR
[72] WITTY, DAVID, GB
[72] GIBSON, KARL RICHARD, GB
[71] GALAPAGOS NV, BE
[71] CALCHAN LIMITED, GB
[85] 2020-01-08
[86] 2018-07-12 (PCT/GB2018/051983)
[87] (WO2019/012284)
[30] GB (1711234.3) 2017-07-12

[21] **3,069,359**
[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01) A61K 31/203 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING ENCAPSULATED TRETINOIN**
[54] **COMPOSITIONS COMPRENANT DE LA TRETINOINE ENCAPSULEE**
[72] TOLEDANO, OFER, IL
[72] NEIMANN, KARINE, IL
[72] ERLICH, MAYA, IL
[72] MARCO, DORIT, IL
[71] SOL-GEL TECHNOLOGIES LTD., IL
[85] 2020-01-08
[86] 2018-07-12 (PCT/IL2018/050765)
[87] (WO2019/012537)
[30] US (62/531,402) 2017-07-12

[21] **3,069,363**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOSITIONS COMPRISING CEA MUC1 AND TERT**
[54] **COMPOSITIONS IMMUNOGENES COMPRENANT CEA MUC1 ET TERT**
[72] BINDER, JOSEPH JOHN, US
[72] CHO, HELEN KIM, US
[72] COCKLE, PAUL JASON, US
[72] FALCONER, DEREK JOHN, US
[72] GURU, SIRADANAHALLI, US
[72] MARTINIC, MARIANNE MARCELA ANDREA, CH
[71] PFIZER INC., US
[85] 2020-01-08
[86] 2018-07-03 (PCT/IB2018/054926)
[87] (WO2019/012371)
[30] US (62/531,227) 2017-07-11
[30] US (62/682,044) 2018-06-07

[21] **3,069,365**
[13] A1
[51] **Int.Cl. G06F 40/20 (2020.01) G06N 3/02 (2006.01)**
[25] EN
[54] **GENERATION OF POINT OF INTEREST COPY**
[54] **GENERATION D'UNE COPIE DE POINT D'INTERET**
[72] ZHANG, HUA, CN
[72] DING, CHANGLIN, CN
[72] CHEN, HONGSHENG, CN
[71] 10353744 CANADA LTD., CA
[85] 2020-01-08
[86] 2017-12-20 (PCT/CN2017/117428)
[87] (WO2019/056628)
[30] CN (201710862104.7) 2017-09-21

[21] **3,069,366**
[13] A1
[51] **Int.Cl. G01V 3/165 (2006.01) G01B 7/004 (2006.01)**
[25] FR
[54] **METHOD FOR LOCATING AN OBJECT MOVING IN A MAGNETIC FIELD GENERATED BY AN ASSEMBLY OF AT LEAST THREE MAGNETIC GENERATORS**
[54] **PROCEDE DE LOCALISATION D'UN OBJET EVOLUANT DANS UN CHAMP MAGNETIQUE GENERE PAR UN ENSEMBLE D'AU MOINS TROIS GENERATEURS MAGNETIQUES**
[72] VISSIERE, DAVID, FR
[72] HILLION, MATHIEU, FR
[72] MEIER, HENDRIK, FR
[71] SYSNAV, FR
[85] 2020-01-08
[86] 2018-07-17 (PCT/FR2018/051815)
[87] (WO2019/016465)
[30] FR (1756755) 2017-07-17

[21] **3,069,368**
[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/36 (2006.01)**
[25] EN
[54] **APPARATUS FOR MAKING BEVERAGES USING CAPSULES CONTAINING A FOOD SUBSTANCE**
[54] **APPAREIL DE PREPARATION DE BOISSONS EN UTILISANT DES CAPSULES CONTENANT UNE SUBSTANCE ALIMENTAIRE**
[72] ACCURSI, GIOVANNI, IT
[72] DIAMANTI, MAURIZIO, IT
[71] CAFFITALY SYSTEM S.P.A., IT
[85] 2020-01-08
[86] 2018-06-22 (PCT/IB2018/054624)
[87] (WO2019/021076)
[30] IT (102017000084351) 2017-07-24

[21] **3,069,369**
[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01)**
[25] EN
[54] **IMPROVED AAV CAPSID PRODUCTION IN INSECT CELLS**
[54] **PRODUCTION DE CAPSIDES DE VAA AMELIOREES DANS DES CELLULES D'INSECTES**
[72] DU PLESSIS, DAVID JOHANNES FRANCOIS, NL
[72] TER BRAKE, OLIVIER, NL
[72] BOSMA, SEBASTIAAN MENNO, NL
[72] PETRY, HARALD PETER ALBERT, NL
[72] LUBELSKI, JACEK, NL
[71] UNIQURE IP B.V., NL
[85] 2020-01-08
[86] 2018-07-20 (PCT/EP2018/069704)
[87] (WO2019/016349)
[30] EP (17182429.5) 2017-07-20

[21] **3,069,371**
[13] A1
[51] **Int.Cl. B01J 19/18 (2006.01) B01J 19/20 (2006.01)**
[25] EN
[54] **REACTOR AND METHOD FOR CONTINUOUS POLYMERIZATION**
[54] **REACTEUR ET PROCEDE DE POLYMERISATION CONTINUE**
[72] FELLER, ROLF, DE
[72] PAUL, HANNS-INGOLF, DE
[72] WAGNER, PAUL, DE
[72] WIESNER, UDO, DE
[71] ARLANXEO DEUTSCHLAND GMBH, DE
[85] 2020-01-08
[86] 2018-07-06 (PCT/EP2018/068387)
[87] (WO2019/011811)
[30] EP (17180921.3) 2017-07-12

[21] **3,069,372**
[13] A1
[51] **Int.Cl. F01D 5/14 (2006.01) F01D 9/02 (2006.01) F01D 25/00 (2006.01) F02C 7/00 (2006.01) F04D 29/38 (2006.01) F04D 29/54 (2006.01)**
[25] EN
[54] **METHOD FOR MODIFYING BLADES OF FAN, COMPRESSOR AND TURBINE OF AXIAL FLOW TYPE, AND BLADE OBTAINED BY MODIFICATION**
[54] **VENTILATEUR A FLUX AXIAL, PROCEDE DE MODIFICATION D'UNE AUBE DE COMPRESSEUR ET DE TURBINE, ET AUBE OBTENUE PAR MODIFICATION**
[72] FURUKAWA, JUO, JP
[72] HAMABE, MASAAKI, JP
[71] IHI CORPORATION, JP
[85] 2020-01-08
[86] 2018-06-27 (PCT/JP2018/024385)
[87] (WO2019/064761)
[30] JP (2017-191067) 2017-09-29

[21] **3,069,373**
[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **CAPSULE, METHOD FOR RECOGNISING THE CAPSULE AND METHOD FOR MAKING A BEVERAGE WITH THE CAPSULE**
[54] **CAPSULE, PROCEDE DE RECONNAISSANCE DE LA CAPSULE ET PROCEDE DE FABRICATION D'UNE BOISSON AVEC LA CAPSULE**
[72] ACCURSI, GIOVANNI, IT
[72] DIAMANTI, MAURIZIO, IT
[71] CAFFITALY SYSTEM S.P.A., IT
[85] 2020-01-08
[86] 2018-06-22 (PCT/IB2018/054628)
[87] (WO2019/021077)
[30] IT (102017000084356) 2017-07-24

[21] **3,069,374**
[13] A1
[51] **Int.Cl. G06F 9/48 (2006.01)**
[25] EN
[54] **VIEW SWITCHING**
[54] **COMMUTATION DE VUES**
[72] CHEN, YULIN, CN
[71] 10353744 CANADA LTD., CA
[85] 2020-01-08
[86] 2017-12-29 (PCT/CN2017/119742)
[87] (WO2019/056645)
[30] CN (201710862028.X) 2017-09-21

[21] **3,069,375**
[13] A1
[51] **Int.Cl. F16B 21/12 (2006.01) A47B 96/06 (2006.01) F16B 12/20 (2006.01) F16B 19/10 (2006.01) F16B 21/06 (2006.01)**
[25] EN
[54] **SELF-LOCKING PIN**
[54] **GOUPILLE A VERROUILLAGE AUTOMATIQUE**
[72] CASSOTTI, ALESSANDRO, IT
[71] MR INDUSTRIAL FASTENERS S.R.L., IT
[85] 2020-01-08
[86] 2018-07-10 (PCT/IB2018/055057)
[87] (WO2019/012408)
[30] IT (102017000077402) 2017-07-10

[21] **3,069,376**
[13] A1
[51] **Int.Cl. B01J 21/18 (2006.01) C01B 32/00 (2017.01) B01J 27/24 (2006.01) B01J 35/10 (2006.01) H01M 4/90 (2006.01) H01M 8/10 (2016.01) H01M 8/18 (2006.01) H01M 12/08 (2006.01)**
[25] EN
[54] **CARBON CATALYST, CELL ELECTRODE, AND CELL**
[54] **CATALYSEUR AU CARBONE, ELECTRODE DE CELLULE ET CELLULE**
[72] KOBAYASHI, YOSHIKAZU, JP
[72] KUBOTA, YUJI, JP
[72] SATO, TETSUTARO, JP
[72] KISHIMOTO, TAKEAKI, JP
[71] NISSHINBO HOLDINGS INC., JP
[85] 2020-01-08
[86] 2018-07-03 (PCT/JP2018/025249)
[87] (WO2019/013051)
[30] JP (2017-137457) 2017-07-13

[21] **3,069,378**
[13] A1
[51] **Int.Cl. F16B 35/04 (2006.01) F16B 41/00 (2006.01)**
[25] EN
[54] **THREADED PIN**
[54] **BROCHE FILETEE**
[72] CASSOTTI, ALESSANDRO, IT
[71] MR INDUSTRIAL FASTENERS S.R.L., IT
[85] 2020-01-08
[86] 2018-07-10 (PCT/IB2018/055059)
[87] (WO2019/012410)
[30] IT (102017000077422) 2017-07-10

[21] **3,069,379**
[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01)**
[25] EN
[54] **MEANS FOR TREATING CARDIOVASCULAR DISEASE**
[54] **MOYENS POUR LE TRAITEMENT DE MALADIES CARDIOVASCULAIRES**
[72] NIKOLAEV, VIACHESLAV, DE
[72] FROESE, ALEXANDER, DE
[71] UNIVERSITATSKLINIKUM HAMBURG-EPPENDORF, DE
[85] 2020-01-08
[86] 2018-07-09 (PCT/EP2018/068491)
[87] (WO2019/011833)
[30] EP (17180406.5) 2017-07-09

[21] **3,069,380**
[13] A1
[51] **Int.Cl. C01B 39/02 (2006.01) C01B 39/48 (2006.01)**
[25] EN
[54] **EMM-23 MATERIALS AND PROCESSES AND USES THEREOF**
[54] **MATERIAUX EMM-23 ET PROCEDES ET UTILISATIONS ASSOCIES**
[72] BURTON, ALLEN W., US
[72] TEREFENKO, EUGENE, US
[72] MEYER, RANDALL J., US
[72] VROMAN, HILDA B., US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2020-01-08
[86] 2018-06-28 (PCT/US2018/039897)
[87] (WO2019/022907)
[30] US (62/537,681) 2017-07-27

[21] **3,069,381**
[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/92 (2016.01) A61F 9/007 (2006.01)**
[25] EN
[54] **SELF-ILLUMINATING MICROSURGICAL CANNULA DEVICE**
[54] **DISPOSITIF DE CANULE MICROCHIRURGICAL A AUTO-ECLAIRAGE**
[72] ANDERSON, JOSHUA, US
[72] CHON, JAMES Y., US
[72] FARLEY, MARK HARRISON, US
[72] HALLEN, PAUL R., US
[71] ALCON INC., CH
[85] 2020-01-08
[86] 2018-07-10 (PCT/IB2018/055081)
[87] (WO2019/030587)
[30] US (62/542,902) 2017-08-09

[21] **3,069,382**
[13] A1
[51] **Int.Cl. G06F 16/93 (2019.01) G06F 16/951 (2019.01) G06F 16/953 (2019.01)**
[25] EN
[54] **MULTI-DOCUMENT INTERSECTION ACQUISITION METHOD AND DOCUMENT SERVER**
[54] **PROCEDE D'ACQUISITION D'INTERSECTION DE DOCUMENTS ET SERVEUR DE DOCUMENTS**
[72] BI, CHENGLONG, CN
[72] PAN, WENBIN, CN
[71] 10353744 CANADA LTD., CA
[85] 2020-01-08
[86] 2017-12-29 (PCT/CN2017/120062)
[87] (WO2019/047437)
[30] CN (201710797899.8) 2017-09-06

[21] **3,069,383**
[13] A1
[51] **Int.Cl. B07B 1/46 (2006.01) B22D 19/04 (2006.01) B22D 19/08 (2006.01) E21B 21/06 (2006.01)**
[25] EN
[54] **SCREEN SEGMENT HAVING A WEAR PROTECTION AND METHOD FOR PRODUCING A SCREEN SEGMENT**
[54] **SEGMENT DE CRIBLE MUNI D'UNE PROTECTION CONTRE L'USURE ET PROCEDE DE FABRICATION D'UN SEGMENT DE CRIBLE**
[72] IRMAK, BARIS, DE
[72] TIGGES, MARC, DE
[72] EVERMANN, DANIEL, DE
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE
[71] THYSSENKRUPP AG, DE
[85] 2020-01-08
[86] 2018-07-11 (PCT/EP2018/068739)
[87] (WO2019/011962)
[30] DE (10 2017 211 948.9) 2017-07-12

[21] **3,069,385**
[13] A1
[51] **Int.Cl. F16G 15/06 (2006.01) A62B 35/00 (2006.01)**
[25] EN
[54] **FALL ARRESTING DEVICE CONNECTOR**
[54] **CONNECTEUR DE DISPOSITIF D'ARRET DE CHUTE**
[72] STEPHENSON, MATTHEW S., US
[72] MILLER, RICK G., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-01-08
[86] 2018-07-12 (PCT/IB2018/055149)
[87] (WO2019/012468)
[30] US (62/532,005) 2017-07-13

[21] **3,069,387**
[13] A1
[51] **Int.Cl. C01B 3/38 (2006.01) C01B 13/02 (2006.01) C25B 1/04 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF SYNTHESIS GAS**
[54] **PROCEDE DE PREPARATION D'UN GAZ DE SYNTHESE**
[72] AASBERG-PETERSEN, KIM, DK
[72] HAN, PAT A., DK
[72] HULTQVIST, MICHAEL, DK
[72] MORTENSEN, PETER MOLGAARD, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-01-08
[86] 2018-07-20 (PCT/EP2018/069781)
[87] (WO2019/020515)
[30] DK (PA 2017 00522) 2017-09-25
[30] DK (PA 2018 00237) 2018-05-28
[30] DK (PA 2017 00425) 2017-07-25
[30] DK (PA 2018 00352) 2018-07-06

[21] **3,069,388**
[13] A1
[51] **Int.Cl. B60Q 1/28 (2006.01) B60Q 1/26 (2006.01) G05D 1/00 (2006.01) G08G 1/00 (2006.01)**
[25] EN
[54] **PLATOONING LIGHT FENCE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE BARRIERE LUMINEUSE DE CONDUITE EN CONVOI**
[72] DAMON, KENNETH H., US
[71] PACCAR INC, US
[85] 2020-01-08
[86] 2018-07-03 (PCT/US2018/040719)
[87] (WO2019/014022)
[30] US (16/646,998) 2017-07-11

[21] **3,069,389**
[13] A1
[51] **Int.Cl. C07D 311/96 (2006.01) C07D 497/10 (2006.01) C08G 65/32 (2006.01) C08K 5/1545 (2006.01) C08L 101/00 (2006.01) C09K 9/02 (2006.01) G02B 1/04 (2006.01)**
[25] EN
[54] **CHROMENE COMPOUND, CURABLE COMPOSITION COMPRISING THE COMPOUND, AND OPTICAL ARTICLE INCLUDING A CURED BODY OF THE CURABLE COMPOSITION**
[54] **COMPOSE DE CHROMENE, COMPOSITION DURCISSABLE LE COMPRENANT, ET ARTICLE OPTIQUE COMPRENANT UN PRODUIT DURCI FORME D'UNE COMPOSITION DURCISSABLE**
[72] MIYAZAKI, MASAYUKI, JP
[72] TAKENAKA, JUNJI, JP
[71] TOKUYAMA CORPORATION, JP
[85] 2020-01-08
[86] 2018-07-11 (PCT/JP2018/026175)
[87] (WO2019/013249)
[30] JP (2017-138466) 2017-07-14

[21] **3,069,391**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **AGENTS, USES AND METHODS FOR TREATMENT**
[54] **AGENTS, UTILISATIONS ET PROCEDES DE TRAITEMENT**
[72] BIILMANN RONN, LARS CHRISTIAN, DK
[72] MALIK, IBRAHIM JOHN, DK
[72] STAVENHAGEN, JEFFREY B., DK
[72] CHRISTENSEN, SOREN, DK
[72] EGEBJERG, JAN, DK
[72] STUMMANN, TINA, DK
[72] GERRITSEN, ARNOUT, NL
[72] VAN DEN BRINK, EDWARD, NL
[72] PARREN, PAUL, NL
[72] TRABJERG, ESBEN, DK
[72] RAND, KASPER DYRBERG, DK
[71] H. LUNDBECK A/S, DK
[85] 2020-01-08
[86] 2018-07-18 (PCT/EP2018/069460)
[87] (WO2019/016247)
[30] DK (PA201700419) 2017-07-20

[21] **3,069,392**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/19 (2006.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) A61P 19/10 (2006.01)**
[25] EN
[54] **SOST ANTIBODY PHARMACEUTICAL COMPOSITION AND USES THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE D'ANTICORPS SOST ET UTILISATIONS DE CELLE-CI**
[72] FANG, JINGJING, CN
[72] YAN, ZHEN, CN
[72] LIU, XUN, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[85] 2020-01-08
[86] 2018-07-26 (PCT/CN2018/097165)
[87] (WO2019/020069)
[30] CN (201710621754.2) 2017-07-27

[21] **3,069,394**
[13] A1
[51] **Int.Cl. B25H 3/06 (2006.01) B29C 44/04 (2006.01)**
[25] FR
[54] **HOLDER FOR IMPLEMENTS AND METHOD FOR PRODUCING SUCH A HOLDER**
[54] **SUPPORT POUR EQUIPEMENT ET PROCEDE DE FABRICATION D'UN TEL SUPPORT**
[72] LLINARES, OSCAR, FR
[72] LLINARES, ERIC, FR
[71] 2L SOLUTIONS, FR
[85] 2020-01-08
[86] 2018-06-29 (PCT/EP2018/067513)
[87] (WO2019/011665)
[30] FR (1756489) 2017-07-10

[21] **3,069,395**
[13] A1
[51] **Int.Cl. C09D 175/04 (2006.01) B05D 1/38 (2006.01) C09D 5/08 (2006.01) C09D 175/02 (2006.01) C08G 18/08 (2006.01) C08G 18/80 (2006.01)**
[25] EN
[54] **COATING AGENT COMPOSITIONS THAT ARE SUITABLE FOR DIP COATING AND THAT CURE AT LOW TEMPERATURE**
[54] **COMPOSITIONS DE REVETEMENTS DURCISSANT A BASSE TEMPERATURE ET ADAPTEES AU DEPOT PAR TREMPAGE**
[72] FRENKEL, ALIAKSANDR, DE
[72] EILINGHOFF, RON, DE
[72] DROLL, MARTIN, DE
[71] CHEMETALL GMBH, DE
[85] 2020-01-08
[86] 2018-07-20 (PCT/EP2018/069840)
[87] (WO2019/020534)
[30] EP (17183267.8) 2017-07-26
[30] EP (17184875.7) 2017-08-04
[30] EP (18165185.2) 2018-03-29

[21] **3,069,396**
[13] A1
[51] **Int.Cl. A61K 9/48 (2006.01) A61K 47/02 (2006.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **ENTERIC HARD CAPSULE**
[54] **CAPSULE ENTERIQUE DURE**
[72] OSAKI, YOSHIRO, JP
[72] ASO, MAKOTO, JP
[72] USUI, TOSHIMITSU, JP
[72] HONDA, MAMORU, JP
[71] QUALICAPS CO., LTD., JP
[85] 2020-01-08
[86] 2018-07-11 (PCT/JP2018/026216)
[87] (WO2019/013260)

[21] **3,069,397**
[13] A1
[51] **Int.Cl. F24F 11/00 (2018.01) F25B 31/00 (2006.01)**
[25] EN
[54] **MULTI-SPLIT SYSTEM AND METHOD AND DEVICE FOR ADJUSTING OIL VOLUME OF COMPRESSOR OF MULTI-SPLIT SYSTEM**
[54] **SYSTEME A DIVISIONS MULTIPLES, AINSI QUE PROCEDE ET DISPOSITIF PERMETTANT DE REGLER LE VOLUME D'HUILE DE COMPRESSEUR D'UN SYSTEME A DIVISIONS MULTIPLES**
[72] WANG, MINGREN, CN
[72] YANG, KUN, CN
[71] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2020-01-08
[86] 2018-11-08 (PCT/CN2018/114617)
[87] (WO2019/091431)
[30] CN (201711107017.7) 2017-11-10

[21] **3,069,398**
[13] A1
[51] **Int.Cl. A63B 31/11 (2006.01) A63B 31/14 (2006.01) A01K 13/00 (2006.01)**
[25] FR
[54] **AQUATIC SHOES PROVIDED WITH A FLOAT FOR WALKING IN WATER**
[54] **CHAUSSURES AQUATIQUES MUNIES D'UN FLOTTEUR POUR MARCHER DANS L'EAU**
[72] EMADIKOTAK LAHIDJANI, MAXIME, FR
[72] EMADIKOTAK LAHIDJANI, DARIUS, FR
[71] EMADIKOTAK LAHIDJANI, MAXIME, FR
[71] EMADIKOTAK LAHIDJANI, DARIUS, FR
[85] 2020-01-08
[86] 2018-07-06 (PCT/IB2018/055013)
[87] (WO2019/012397)
[30] FR (17/70735) 2017-07-08

[21] **3,069,399**
[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING A DRUG DELIVERY COMPOSITION**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION D'ADMINISTRATION DE MEDICAMENT**
[72] POULETTY, PHILIPPE, FR
[72] GUILLAMOT, FREDERIQUE, FR
[71] PK MED SAS, FR
[85] 2020-01-08
[86] 2018-07-25 (PCT/EP2018/070139)
[87] (WO2019/020678)
[30] EP (17305993.2) 2017-07-25

[21] **3,069,400**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/196 (2006.01) A61K 31/341 (2006.01) A61K 31/403 (2006.01) A61K 31/407 (2006.01) A61K 31/5415 (2006.01) A61K 31/63 (2006.01) A61K 39/395 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION USE OF INHIBITOR TARGETING PD-1/PD-L1 AND COX-2 INHIBITOR**
[54] **UTILISATION EN ASSOCIATION D'UN INHIBITEUR CIBLANT PD-1/PD-L1 ET D'UN INHIBITEUR DE COX-2**
[72] KONNAI, SATORU, JP
[72] OHASHI, KAZUHIKO, JP
[72] MURATA, SHIRO, JP
[72] OKAGAWA, TOMOHIRO, JP
[72] MAEKAWA, NAOYA, JP
[72] NISHIMORI, ASAMI, JP
[72] GOTO, SHINYA, JP
[72] SUZUKI, YASUHIKO, JP
[72] NAKAJIMA, CHIE, JP
[72] SAJIKI, YAMATO, JP
[71] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP
[71] FUSO PHARMACEUTICAL INDUSTRIES, LTD., JP
[85] 2020-01-08
[86] 2018-07-19 (PCT/JP2018/027041)
[87] (WO2019/017420)
[30] JP (2017-140891) 2017-07-20
[30] JP (2018-016074) 2018-02-01

[21] **3,069,401**
[13] A1
[51] **Int.Cl. C02F 1/40 (2006.01) B01D 17/00 (2006.01) B01D 21/30 (2006.01) G01F 23/22 (2006.01)**
[25] EN
[54] **SENSOR FOR DETECTING IMMERSION IN F.O.G. OR WATER**
[54] **CAPTEUR POUR DETECTER UNE IMMERSION DANS UN BROUILLARD OU DE L'EAU**
[72] FISCHER, JAN ROBIN, US
[72] KYLES, BRUCE W., US
[72] BATTEN, WILLIAM C., US
[71] THERMACO, INC., US
[85] 2020-01-08
[86] 2018-07-10 (PCT/US2018/041422)
[87] (WO2019/014209)
[30] US (62/565,541) 2017-09-29
[30] US (62/530,437) 2017-07-10

[21] **3,069,402**
[13] A1
[51] **Int.Cl. D01F 8/04 (2006.01) B01D 15/38 (2006.01) B01J 20/26 (2006.01) D06M 13/332 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **SEA-ISLAND COMPOSITE FIBER, CARRIER FOR ADSORPTION, AND MEDICAL COLUMN PROVIDED WITH CARRIER FOR ADSORPTION**
[54] **FIBRE COMPOSITE MER-ILE, SUPPORT POUR ADSORPTION, ET COLONNE MEDICALE POURVUE D'UN SUPPORT POUR ADSORPTION**
[72] MATSUNAGA, RYO, JP
[72] KASUYA, JUNICHI, JP
[72] UENO, YOSHIYUKI, JP
[72] YAMANAKA, HIROFUMI, JP
[72] KANEMORI, YASUNORI, JP
[72] MASUDA, MASATO, JP
[72] FUNAKOSHI, JOJI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2020-01-08
[86] 2018-08-31 (PCT/JP2018/032287)
[87] (WO2019/045031)
[30] JP (2017-167355) 2017-08-31

[21] **3,069,403**
[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01) H04S 7/00 (2006.01) G10L 21/0272 (2013.01) G06F 3/01 (2006.01)**
[25] EN
[54] **CONCEPT FOR GENERATING AN ENHANCED SOUND-FIELD DESCRIPTION OR A MODIFIED SOUND FIELD DESCRIPTION USING A MULTI-LAYER DESCRIPTION**
[54] **CONCEPT DE GENERATION D'UNE DESCRIPTION DE CHAMP SONORE AMELIOREE OU D'UNE DESCRIPTION DE CHAMP SONORE MODIFIEE A L'AIDE D'UNE DESCRIPTION MULTICOUCHE**
[72] HERRE, JUERGEN, DE
[72] HABETS, EMANUEL, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-01-07
[86] 2018-07-13 (PCT/EP2018/069145)
[87] (WO2019/012133)
[30] EP (17181484.1) 2017-07-14

[21] **3,069,404**
[13] A1
[51] **Int.Cl. A23K 10/16 (2016.01) A23K 50/10 (2016.01)**
[25] EN
[54] **FEED ADDITIVE COMPRISING BACILLUS SUBTILIS AND BACILLUS LICHENIFORMIS, AFEED COMPOSITION COMPRIDING THE FEED ADDITIVE AND A METHOD FOR PRODUCING THE FEED ADDITIVE**
[54] **ADDITIF ALIMENTAIRE CONTENANT LE BACILLUS SUBTILIS ET LE BACILLUS LICHENIFORMIS, COMPOSITION D'ALIMENT CONTENANT UN ADDITIF ET PROCEDE DE PREPARATION DE L'ADDITIF ALIMENTAIRE**
[72] OH, EUN SEON, KR
[72] KIM, YU JIN, KR
[72] PARK, MIN AH, KR
[72] WOO, SEO HYUNG, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2020-01-08
[86] 2017-08-04 (PCT/KR2017/008446)
[87] (WO2019/013382)
[30] KR (10-2017-0088646) 2017-07-12

[21] **3,069,405**
[13] A1
[51] **Int.Cl. F04B 39/02 (2006.01) F24F 1/00 (2019.01)**
[25] EN
[54] **MULTI-SPLIT SYSTEM AND METHOD AND DEVICE FOR ADJUSTING OIL VOLUME OF COMPRESSOR OF MULTI-SPLIT SYSTEM**
[54] **SYSTEME A DIVISIONS MULTIPLES ET PROCEDE ET DISPOSITIF DE REGLAGE DU VOLUME D'HUILE D'UN COMPRESSEUR DE SYSTEME A DIVISIONS MULTIPLES**
[72] WANG, MINGREN, CN
[72] YANG, KUN, CN
[71] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2020-01-08
[86] 2018-11-08 (PCT/CN2018/114618)
[87] (WO2019/091432)
[30] CN (201711106179.9) 2017-11-10

[21] **3,069,406**
[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 48/00 (2006.01) A61P 11/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENT FOR FIBROSIS**
[54] **AGENT THERAPEUTIQUE CONTRE LA FIBROSE**
[72] NAKAO, KAZUHISA, JP
[72] ISHIYAMA, JUNICHI, JP
[72] ICHIKAWA, WATARU, JP
[72] MASUI, ATSUSHI, JP
[72] AKASAKA, YUNIKE, JP
[72] TOYOFUKU, HIDEKAZU, JP
[72] HONDA, AYA, JP
[71] KYORIN PHARMACEUTICAL CO., LTD., JP
[85] 2020-01-08
[86] 2018-07-30 (PCT/JP2018/028459)
[87] (WO2019/022257)
[30] JP (2017-146957) 2017-07-28

[21] **3,069,407**
[13] A1
[51] **Int.Cl. C21D 9/56 (2006.01) F27D 99/00 (2010.01) F27B 9/28 (2006.01) F27D 7/06 (2006.01)**
[25] EN
[54] **METHOD TO REDUCE NITROGEN OXIDES IN STRIP PROCESSING FURNACES**
[54] **PROCEDE DE REDUCTION D'OXYDES D'AZOTE DANS DES FOURS DE TRAITEMENT DE BANDES**
[72] BORREL, PIERRE-JEROME, FR
[72] BLAKE, ERIC, US
[71] ANDRITZ TECHNOLOGY AND ASSET MANAGEMENT GMBH, AT
[85] 2020-01-08
[86] 2018-05-29 (PCT/EP2018/064058)
[87] (WO2019/011517)
[30] AT (A50583/2017) 2017-07-13

[21] **3,069,408**
[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01)**
[25] EN
[54] **NOVEL INTERMEDIATES USEFUL FOR THE SYNTHESIS OF AMINOPYRIMIDINE DERIVATIVES, PROCESS FOR PREPARING THE SAME, AND PROCESS FOR PREPARING AMINOPYRIMIDINE DERIVATIVES USING THE SAME**
[54] **NOUVEAUX INTERMEDIAIRES UTILES POUR LA SYNTHESE DE DERIVES D'AMINOPYRIMIDINE, LEUR PROCEDE DE PREPARATION ET PROCEDE DE PREPARATION DE DERIVES D'AMINOPYRIMIDINE A L'AIDE DE CEUX-CI**
[72] OH, SANG-HO, KR
[72] KHOO, JA-HEOUK, KR
[72] LIM, JONG-CHUL, KR
[72] LEE, DOO-BYUNG, KR
[72] LEE, JUNG-AE, KR
[72] LEE, JUN-SUP, KR
[72] JU, HYUN, KR
[72] SHIN, WOO-SEOB, KR
[72] JEON, SANG-SEOL, KR
[71] YUHAN CORPORATION, KR
[85] 2020-01-08
[86] 2018-07-25 (PCT/KR2018/008381)
[87] (WO2019/022486)
[30] KR (10-2017-0096220) 2017-07-28

[21] **3,069,409**
[13] A1
[51] **Int.Cl. H04M 1/60 (2006.01)**
[25] EN
[54] **SMART PHONE AND BLUETOOTH EARSET HAVING DIGITAL TWO-WAY RADIO FUNCTION**
[54] **TELEPHONE INTELLIGENT ET ECOUTEUR BLUETOOTH DOTE D'UNE FONCTION RADIO BIDIRECTIONNELLE NUMERIQUE**
[72] PARK, SANG RAE, KR
[71] PARK, SANG RAE, KR
[85] 2020-01-08
[86] 2018-01-16 (PCT/KR2018/000705)
[87] (WO2019/045199)
[30] KR (10-2017-0110791) 2017-08-31

[21] **3,069,410**
[13] A1
[51] **Int.Cl. E21B 47/10 (2012.01) E21B 47/00 (2012.01) E21B 47/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MONITORING INFLUX AND LOSS EVENTS IN A WELLBORE**
[54] **PROCEDE ET SYSTEME DE SURVEILLANCE D'EVENEMENTS D'INFLUX ET/OU DE PERTE DANS UN PUITS DE FORAGE**
[72] HAUGE, ESPEN, NO
[72] GODHAVN, JOHN-MORTEN, NO
[72] ELGSAETER, STEINAR, NO
[71] EQUINOR ENERGY AS, NO
[85] 2020-01-08
[86] 2018-07-11 (PCT/NO2018/050186)
[87] (WO2019/013648)
[30] GB (1711152.7) 2017-07-11
[30] GB (1804179.8) 2018-03-15

[21] **3,069,411**
[13] A1
[51] **Int.Cl. A61B 8/12 (2006.01) A61B 1/00 (2006.01) A61B 5/06 (2006.01) A61B 5/07 (2006.01) A61B 10/00 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **ULTRASONIC CAPSULE ENDOSCOPY DEVICE HAVING IMAGE-BASED RELATIVE MOTION ESTIMATION**
[54] **DISPOSITIF ENDOSCOPIQUE A CAPSULE ULTRASONORE AYANT UNE ESTIMATION DE MOUVEMENT RELATIF BASEE SUR UNE IMAGE**
[72] MEMON, FARAH, US
[72] WANG, JUNYI, US
[72] TOUMA, GERARD, US
[72] BALTSAVIAS, SPYRIDON G., US
[72] CHANG, CHIENLIU, US
[72] RASMUSSEN, MORTEN F., US
[72] ARBABIAN, MOHAMMAD AMIN, US
[72] KHURI-YAKUB, BUTRUS T., US
[72] JEFFREY, R. BROOKE, JR., US
[72] NIKOOZADEH, AMIN, US
[72] CHOE, JUNG WOO, KR
[72] OLCOTT, ERIC, US
[72] ERGUN, ARIF SANLI, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2020-01-08
[86] 2018-07-10 (PCT/US2018/041451)
[87] (WO2019/014228)
[30] US (62/531,295) 2017-07-11

[21] **3,069,412**
[13] A1
[51] **Int.Cl. A61K 8/46 (2006.01) A61K 8/34 (2006.01) A61K 8/44 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **HIGH GLYCEROL COMPOSITION COMPRISING BLENDS OF ALKYL ISETHIONATE AND ALKYL TAURATE**
[54] **COMPOSITION A TENEUR ELEVEE EN GLYCEROL COMPRENANT DES MELANGES D'ISETHIONATE D'ALKYLE ET DE TAURATE D'ALKYLE**
[72] CARNALI, JOSEPH ORESTE, US
[72] DAVE, RAJENDRA MOHANLAL, US
[71] UNILEVER PLC, GB
[85] 2020-01-08
[86] 2018-05-31 (PCT/EP2018/064336)
[87] (WO2019/011521)
[30] EP (17180422.2) 2017-07-10

[21] **3,069,413**
[13] A1
[51] **Int.Cl. A01K 61/54 (2017.01) A01K 61/65 (2017.01)**
[25] EN
[54] **DOUBLE PIPE CULTIVATION SYSTEM FOR REDUCING LOSSES OCCURRING DUE TO WIND, WAVE AND TIDE IN MUSSEL CULTIVATION FARMS**
[54] **SYSTEME DE CULTURE A DOUBLE TUYAU POUR REDUIRE LES PERTES DUES AU VENT, AUX VAGUES ET AUX MAREES DANS DES FERMES DE MYTILICULTURE**
[72] CAGANLAR, CAGLAR, TR
[71] CAGANLAR, CAGLAR, TR
[85] 2020-01-08
[86] 2018-09-13 (PCT/TR2018/050487)
[87] (WO2019/103713)
[30] TR (2017/10289) 2017-07-13

[21] **3,069,416**
[13] A1
[51] **Int.Cl. A61B 17/70 (2006.01) A61F 2/02 (2006.01) A61F 2/30 (2006.01) A61F 2/44 (2006.01)**
[25] EN
[54] **SPINAL OSTEOTOMY**
[54] **OSTEOTOMIE VERTEBRALE**
[72] PETERMAN, MARC, US
[72] HUMPHREYS, STEVEN, US
[72] HODGES, SCOTT, US
[71] PETERMAN, MARC, US
[71] HUMPHREYS, STEVEN, US
[71] HODGES, SCOTT, US
[85] 2020-01-08
[86] 2018-04-17 (PCT/US2018/028028)
[87] (WO2018/195118)
[30] US (62/486,329) 2017-04-17
[30] US (62/654,963) 2018-04-09

[21] **3,069,417**
[13] A1
[51] **Int.Cl. B60R 21/00 (2006.01)**
[25] EN
[54] **PARKING ASSISTANCE METHOD AND PARKING CONTROL DEVICE**
[54] **PROCEDE D'AIDE AU STATIONNEMENT ET DISPOSITIF DE COMMANDE DE STATIONNEMENT**
[72] SUZUKI, YASUHIRO, JP
[72] SATO, KO, JP
[72] TANAKA, DAISUKE, JP
[72] SAKURAI, YASUHIRO, JP
[72] YAMANAKA RYOTA, JP
[72] KOBAYASHI, JUNYA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-07
[86] 2017-07-07 (PCT/JP2017/025000)
[87] (WO2019/008757)

[21] **3,069,418**
[13] A1
[51] **Int.Cl. C02F 1/72 (2006.01) C02F 1/76 (2006.01) E21B 43/40 (2006.01)**
[25] EN
[54] **METHOD FOR FRYER STACK WATER RECOVERY AND TREATMENT**
[54] **PROCEDE DE RECUPERATION ET DE TRAITEMENT DE L'EAU DE CUISSON DE FRITEUSE**
[72] ANAND, ASHISH, US
[72] KOTA, SIVA KUMAR, IN
[72] VERMA, RRAVINDAR, IN
[71] FRITO-LAY NORTH AMERICA, INC., US
[85] 2020-01-08
[86] 2018-07-10 (PCT/US2018/041457)
[87] (WO2019/022947)
[30] US (15/663,282) 2017-07-28

[21] **3,069,419**
[13] A1
[51] **Int.Cl. G06F 11/07 (2006.01) G06F 17/10 (2006.01)**
[25] EN
[54] **METHOD AND ARCHITECTURE FOR CRITICAL SYSTEMS UTILIZING MULTI-CENTRIC ORTHOGONAL TOPOLOGY AND PERVASIVE RULES-DRIVEN DATA AND CONTROL ENCODING**
[54] **PROCEDE ET ARCHITECTURE POUR DES SYSTEMES CRITIQUES UTILISANT UNE TOPOLOGIE ORTHOGONALE MULTICENTRIQUE ET DES DONNEES OMNIPRESENTES COMMANDEES PAR DES REGLES ET UN CODAGE DE COMMANDE**
[72] HALFORD, ROBERT J., US
[71] CHIPPEWA DATA CONTROL LLC, US
[85] 2020-01-08
[86] 2017-07-14 (PCT/US2017/042134)
[87] (WO2018/013921)

[21] **3,069,420**
[13] A1
[51] **Int.Cl. A61F 2/78 (2006.01) A61F 2/80 (2006.01)**
[25] EN
[54] **BREATHABLE RESIDUAL-LIMB SOCKET SYSTEM**
[54] **SYSTEME D'EMBOITURE DE MEMBRE RESIDUEL PERMEABLE A L'AIR**
[72] HANSEN, ANDREW, US
[72] KOEHLER-MCNICHOLAS, SARA, US
[72] BARRONS, KYLE, US
[72] NICKEL, ERIC, US
[72] STARKER, FELIX, US
[72] MION, SPENCER, US
[72] FERGUSON, JOHN, US
[72] FAIRHURST, STUART, US
[72] RAMASAMY, ELLANKAVI, US
[72] KOESTER, KARL, US
[72] DEARTH, CHRISTOPHER, US
[72] HENDERSHOT, BRAD, US
[72] PRUZINER, ALISON, US
[72] ANDERSON, PETER, US
[72] HASSINGER, LOUISE, US
[72] LAUFER, DAVID, US
[72] SCHNEIDER, URS, US
[71] UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS FAIRS, US
[85] 2020-01-08
[86] 2018-07-10 (PCT/US2018/041519)
[87] (WO2019/014275)
[30] US (62/530,762) 2017-07-10

[21] **3,069,421**
[13] A1
[51] **Int.Cl. B05B 11/00 (2006.01) A47K 5/12 (2006.01) A47K 5/16 (2006.01) B65D 47/34 (2006.01) B65D 83/76 (2006.01) F04B 9/14 (2006.01)**
[25] EN
[54] **HAND PUMP WITH FOLDING NOZZLE**
[54] **POMPE A MAIN AVEC BUSE PLIANTE**
[72] ARMINAK, ARMIN, US
[71] ARMINAK, ARMIN, US
[85] 2020-01-08
[86] 2018-04-26 (PCT/US2018/029632)
[87] (WO2019/013856)
[30] US (62/532,940) 2017-07-14
[30] US (15/946,436) 2018-04-05

[21] **3,069,422**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR SUTURE PLACEMENT**
[54] **DISPOSITIFS ET METHODES POUR LA POSE D'UNE SUTURE**
[72] ANDERSON, DAVID GREG, US
[72] KURD, MARK F., US
[72] TAPPER, JAY, US
[72] JOHNSON, JENS, US
[71] DURASTAT LLC, US
[85] 2020-01-08
[86] 2018-07-06 (PCT/US2018/041030)
[87] (WO2019/014055)
[30] US (15/646,521) 2017-07-11

[21] **3,069,423**
[13] A1
[51] **Int.Cl. A61K 41/00 (2020.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF FUNGAL INFECTIONS**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT D'INFECTIONS FONGIQUES**
[72] BARTIZAL, KENNETH, US
[72] DARUWALA, PAUL, US
[72] HUGHES, DAVID, US
[72] HUGHES, MARTIN PATRICK, US
[72] MALKAR, NAVDEEP B., US
[72] RADHAKRISHNAN, BALASINGAM, US
[72] VAIDYA, ANURADHA, US
[71] CIDARA THERAPEUTICS, INC., US
[85] 2020-01-08
[86] 2018-07-11 (PCT/US2018/041617)
[87] (WO2019/014333)
[30] US (62/531,788) 2017-07-12

[21] **3,069,424**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 5/0408 (2006.01) A61B 5/0478 (2006.01) A61B 5/053 (2006.01) A61B 18/18 (2006.01)**
[25] EN
[54] **ELECTRODE CURED AND MANUFACTURED IN THE BODY, AND RELATED METHODS AND DEVICES**
[54] **ELECTRODE DURCIE ET FABRIQUEE DANS LE CORPS, ET METHODES ET DISPOSITIFS ASSOCIES**
[72] FRANKE, MANFRED, US
[72] SHOFFSTALL, ANDREW J., US
[72] VEIZI, ELIAS, US
[72] SHEETS, JR., JOHN W., US
[71] NEURONOFF, INC., US
[85] 2020-01-08
[86] 2018-06-08 (PCT/US2018/036773)
[87] (WO2018/227165)
[30] US (62/517,082) 2017-06-08
[30] US (62/537,294) 2017-07-26
[30] US (62/564,809) 2017-09-28
[30] US (PCT/US2017/065929) 2017-12-12
[30] US (62/599,533) 2017-12-15
[30] US (62/643,017) 2018-03-14
[30] US (62/643,543) 2018-03-15

[21] **3,069,426**
[13] A1
[51] **Int.Cl. G08B 5/36 (2006.01)**
[25] EN
[54] **HAZARD DETECTOR WITH OPTICAL STATUS INDICATOR**
[54] **DETECTEUR DE DANGER AVEC INDICATEUR D'ETAT OPTIQUE**
[72] BUCHHOLZ, MATTHEW J., US
[72] MOTT, KENNETH J., US
[71] CARRIER CORPORATION, US
[85] 2020-01-08
[86] 2018-07-09 (PCT/US2018/041265)
[87] (WO2019/014110)
[30] US (62/530,722) 2017-07-10

[21] **3,069,428**
[13] A1
[51] **Int.Cl. E04B 2/96 (2006.01) E06B 3/263 (2006.01)**
[25] EN
[54] **COMBINATION PRESSURE PLATE**
[54] **PLAQUE DE PRESSION COMBINEE**
[72] MCKENNA, GREGORY B., US
[71] ARCONIC INC., US
[85] 2020-01-08
[86] 2018-06-23 (PCT/US2018/039176)
[87] (WO2019/055097)
[30] US (15/704,516) 2017-09-14

[21] **3,069,429**
[13] A1
[51] **Int.Cl. G01N 21/17 (2006.01) E21B 49/08 (2006.01) G01N 29/24 (2006.01)**
[25] EN
[54] **PHOTOACOUSTIC GAS DETECTION**
[54] **DETECTION PHOTO-ACOUSTIQUE DE GAZ**
[72] CSUTAK, SEBASTIAN, US
[72] LI, WEICHANG, US
[72] SAMPAOLO, ANGELO, US
[72] HAM, GREGORY, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-08
[86] 2018-07-09 (PCT/US2018/041299)
[87] (WO2019/014134)
[30] US (62/531,050) 2017-07-11

[21] **3,069,430**
[13] A1
[51] **Int.Cl. A23K 50/10 (2016.01) A23K 20/20 (2016.01)**
[25] EN
[54] **METHOD AND COMPOSITION TO CONTROL RUMEN RELEASE OF COBALT TO RUMEN BACTERIA FOR MAKING VITAMIN B12**
[54] **PROCEDE ET COMPOSITION POUR REGULER LA LIBERATION DE COBALT DANS LE RUMEN POUR LES BACTERIES DE RUMEN POUR LA FABRICATION DE VITAMINE B12**
[72] STARK, PETER A., US
[71] ZINPRO CORPORATION, US
[85] 2020-01-08
[86] 2018-06-28 (PCT/US2018/039950)
[87] (WO2019/013984)
[30] US (15/647,944) 2017-07-12

[21] **3,069,432**
[13] A1
[51] **Int.Cl. C07D 491/04 (2006.01) A61K 31/517 (2006.01) A61P 25/00 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED BENZOXAZOLE AND BENZOFURAN COMPOUNDS AS PDE7 INHIBITORS**
[54] **COMPOSES DE BENZOXAZOLE ET DE BENZOFURANE SUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE PDE7**
[72] SANTORA, VINCENT JOHN, US
[72] CHEN, MI, US
[72] CHUNG, DEMICHAEL, US
[71] DART NEUROSCIENCE, LLC, US
[85] 2020-01-08
[86] 2018-07-11 (PCT/US2018/041565)
[87] (WO2019/014305)
[30] US (62/531,802) 2017-07-12

[21] **3,069,433**
[13] A1
[51] **Int.Cl. A61J 1/05 (2006.01) B01L 3/00 (2006.01) C12M 1/34 (2006.01) C12Q 1/56 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **AUTOPLATELET CARTRIDGE DEVICE**
[54] **DISPOSITIF AUTOMATIQUE DE CARTOUCHE DE PLAQUETTES**
[72] HILLMAN, ROBERT S., US
[72] GORIN, MICHAEL M., US
[72] MCCLUSKEY, CORY LEE, US
[72] SCHWAIGER, HUBERT MARTIN, US
[71] CA CASYSO GMBH, CH
[85] 2020-01-08
[86] 2018-06-28 (PCT/US2018/040120)
[87] (WO2019/013993)
[30] US (15/648,345) 2017-07-12

[21] **3,069,434**
[13] A1
[51] **Int.Cl. A61B 17/86 (2006.01) A61B 17/56 (2006.01) A61F 2/08 (2006.01) A61L 27/40 (2006.01)**
[25] EN
[54] **DUAL-FUNCTION ANCHOR SYSTEM**
[54] **SYSTEME D'ANCRAGE A DOUBLE FONCTION**
[72] MORRISON, WILLIAM B., US
[72] GREENSPAN, ADAM J., US
[71] THOMAS JEFFERSON UNIVERSITY, US
[85] 2020-01-08
[86] 2018-07-09 (PCT/US2018/041346)
[87] (WO2019/014155)
[30] US (62/693,154) 2018-07-02
[30] US (62/530,502) 2017-07-10

[21] **3,069,435**
[13] A1
[51] **Int.Cl. C10G 21/27 (2006.01) C10G 29/20 (2006.01)**
[25] EN
[54] **METHOD OF REMOVING A SULFUR CONTAINING COMPOUND BY ADDING A COMPOSITION**
[54] **PROCEDE D'ELIMINATION D'UN COMPOSE CONTENANT DU SOUFRE PAR ADDITION D'UNE COMPOSITION**
[72] CLARK, JEFFERY CALEB, US
[72] TREVINO, MATTHEW, US
[72] KARAS, LAWRENCE J., US
[72] GALLARDO, JULIAN M., US
[72] ANANTANENI, PRAKASA, US
[72] PASSOS, RAFAELA CARVALHAL, BR
[72] BURRELL, CHRISTOPHER, US
[72] RANA, GEETA, US
[71] ECOLAB USA INC., US
[85] 2020-01-08
[86] 2018-07-12 (PCT/US2018/041758)
[87] (WO2019/014415)
[30] US (62/532,030) 2017-07-13

[21] **3,069,436**
[13] A1
[51] **Int.Cl. C03C 3/087 (2006.01) C03C 10/00 (2006.01)**
[25] EN
[54] **SODA-LIME-SILICA GLASS-CERAMIC**
[54] **VITROCERAMIQUE A BASE DE SILICE SODOCALCIQUE**
[72] COOPER, SCOTT P., US
[72] SCHUVER, SAMUEL, US
[72] CLICK, CAROL A., US
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2020-01-08
[86] 2018-07-02 (PCT/US2018/040558)
[87] (WO2019/014006)
[30] US (15/650,441) 2017-07-14

[21] **3,069,437**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **CYBERANALYSIS WORKFLOW ACCELERATION**
[54] **ACCELERATION DU FLUX DE TRAVAUX DE CYBERANALYSE**
[72] MOORE, SEAN, US
[72] ROGERS, JONATHAN, US
[72] PARNELL, JESS, US
[72] EHNERD, ZACHARY, US
[71] CENTRIPETAL NETWORKS, INC., US
[85] 2020-01-08
[86] 2018-07-10 (PCT/US2018/041355)
[87] (WO2019/014159)
[30] US (62/530,543) 2017-07-10
[30] US (16/030,354) 2018-07-09

[21] **3,069,438**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **AGONIST ANTIBODIES THAT BIND HUMAN CD137 AND USES THEREOF**
[54] **ANTICORPS AGONISTES QUI LIENT CD137 HUMAIN ET LEURS UTILISATIONS**
[72] BOBROWICZ, PIOTR, US
[72] WIDBOOM, PAUL, US
[72] SCHMIDT, MICHAEL MARCH, US
[72] LAJOIE, JASON M., US
[72] TIGHE, ROBERT V., III, US
[72] LEUNG, CHEUK LUN, US
[72] ESKIOCAK, UGUR, US
[71] COMPASS THERAPEUTICS LLC, US
[85] 2020-01-08
[86] 2018-07-11 (PCT/US2018/041612)
[87] (WO2019/014328)
[30] US (62/531,259) 2017-07-11
[30] US (62/531,190) 2017-07-11
[30] US (62/568,231) 2017-10-04
[30] US (62/577,257) 2017-10-26
[30] US (62/577,259) 2017-10-26

[21] **3,069,439**
[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **READY-TO-USE URINARY CATHETER ASSEMBLY**
[54] **ENSEMBLE SONDE URINAIRE PRET A L'EMPLOI**
[72] MONTES DE OCA, HOCACIO, US
[72] FITZPATRICK, JAMES J., US
[72] RENEHAN, THOMAS, US
[72] O'BRIEN, DANIEL E., US
[72] FOLEY, ADAM J., US
[72] ROSTAMI, SHAMSEDIN, US
[72] CARTER, ENDA F., US
[71] HOLLISTER INCORPORATED, US
[85] 2020-01-08
[86] 2018-07-11 (PCT/US2018/041639)
[87] (WO2019/014344)
[30] US (62/531,634) 2017-07-12

[21] **3,069,440**
[13] A1
[51] **Int.Cl. H01S 3/00 (2006.01)**
[25] EN
[54] **CAVITY STABILIZED LASER DRIFT COMPENSATION**
[54] **COMPENSATION DE DERIVE LASER A STABILISATION DE CAVITE**
[72] FERNANDEZ, JAVIER H., US
[72] CLATTERBUCK, TODD O., US
[72] PRICE, GABRIEL N., US
[72] DANIELE, ANDREW N., US
[72] LACKEY, MICHAEL S., US
[72] THAI, CHON, US
[72] BIBB, DARCY, US
[71] RAYTHEON COMPANY, US
[85] 2020-01-08
[86] 2018-07-11 (PCT/US2018/041613)
[87] (WO2019/014329)
[30] US (15/647,772) 2017-07-12

[21] **3,069,441**
[13] A1
[51] **Int.Cl. G06F 9/50 (2006.01)**
[25] EN
[54] **GRAPHICAL RENDERING USING MULTIPLE GRAPHICS PROCESSORS**
[54] **RENDU GRAPHIQUE A L'AIDE DE MULTIPLES PROCESSEURS GRAPHIQUES**
[72] SURESH, ASHWIN, US
[71] CITRIX SYSTEMS, INC., US
[85] 2020-01-08
[86] 2018-07-05 (PCT/US2018/040867)
[87] (WO2019/014042)
[30] US (15/647,626) 2017-07-12

[21] **3,069,443**
[13] A1
[51] **Int.Cl. A01K 1/02 (2006.01) A01K 1/03 (2006.01) A01K 1/035 (2006.01) E06B 7/32 (2006.01)**
[25] EN
[54] **PET GUIDE PLATFORM FOR A PET DOOR OPENING**
[54] **PLATE-FORME DE GUIDAGE D'ANIMAL DE COMPAGNIE A DES FINS D'OUVERTURE DE PORTE D'ANIMAL DE COMPAGNIE**
[72] SIMMONS, WILLIAM A., US
[71] SIMMONS, WILLIAM A., US
[85] 2020-01-08
[86] 2018-07-06 (PCT/US2018/040980)
[87] (WO2019/018137)
[30] US (62/535,028) 2017-07-20

[21] **3,069,444**
[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01) A61K 35/74 (2015.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) F26B 5/06 (2006.01)**
[25] EN
[54] **METHOD FOR PRESERVING BIOPHARMACEUTICALS**
[54] **PROCEDE DE CONSERVATION DE PRODUITS BIOPHARMACEUTIQUES**
[72] BRONSHTEIN, VICTOR, US
[71] UNIVERSAL STABILIZATION TECHNOLOGIES, INC., US
[85] 2020-01-08
[86] 2018-07-11 (PCT/US2018/041626)
[87] (WO2019/014338)
[30] US (62/604,591) 2017-07-11

[21] **3,069,445**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) A61K 48/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **MICRORNA-455-3P AS A PERIPHERAL BIOMARKER FOR ALZHEIMER'S DISEASE**
[54] **MICROARN-455-3P EN TANT QUE BIOMARQUEUR PERIPHERIQUE DE LA MALADIE D'ALZHEIMER**
[72] REDDY, P. HEMACHANDRA, US
[72] KUMAR, SUBODH, US
[71] TEXAS TECH UNIVERSITY SYSTEM, US
[85] 2020-01-08
[86] 2018-07-12 (PCT/US2018/041840)
[87] (WO2019/014457)
[30] US (62/531,760) 2017-07-12

[21] **3,069,446**
[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01) B62D 5/065 (2006.01) B62D 5/07 (2006.01) B62D 5/12 (2006.01) B62D 6/00 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR UNMANNED VEHICLE AND CONTROL METHOD FOR UNMANNED VEHICLE**
[54] **DISPOSITIF DE COMMANDE POUR VEHICULE SANS CONDUCTEUR, ET PROCEDE DE COMMANDE POUR VEHICULE SANS CONDUCTEUR**
[72] OGIHARA, MASANORI, JP
[72] YAMAMURA, RYUU, JP
[72] BABA, AKINORI, JP
[71] KOMATSU LTD., JP
[85] 2019-11-29
[86] 2018-10-31 (PCT/JP2018/040591)
[87] (WO2019/107056)
[30] JP (2017-231094) 2017-11-30

[21] **3,069,447**
[13] A1
[51] **Int.Cl. A61B 5/15 (2006.01) B01L 3/00 (2006.01)**
[25] EN
[54] **BIOLOGICAL FLUID COLLECTION DEVICE**
[54] **DISPOSITIF DE COLLECTE DE FLUIDE BIOLOGIQUE**
[72] IVOSEVIC, MILAN, US
[72] MUTHARD, RYAN W., US
[72] BLAKE, ALEXANDER JAMES, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-01-08
[86] 2018-07-06 (PCT/US2018/041027)
[87] (WO2019/014054)
[30] US (62/532,111) 2017-07-13

[21] **3,069,449**
[13] A1
[51] **Int.Cl. C12P 17/06 (2006.01) C12P 7/42 (2006.01)**
[25] EN
[54] **PRODUCTION OF CANNABINOIDS IN YEAST**
[54] **PRODUCTION DE CANNABINOIDES DANS UNE LEVURE**
[72] MIKHEEV, MAXIM, US
[72] GAO, DIFENG, US
[71] BIOMEDICAN, INC., US
[85] 2020-01-08
[86] 2018-07-12 (PCT/US2018/041890)
[87] (WO2019/014490)
[30] US (62/531,827) 2017-07-12

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[21] **3,069,450**
[13] A1
[51] **Int.Cl. A61B 17/221 (2006.01) A61B 17/94 (2006.01)**
[25] EN
[54] **ENDOSCOPIC SNARE NET**
[54] **FILET ANSE ENDOSCOPIQUE**
[72] XU, RUIJIAO, US
[72] STODDARD, CHARLES, US
[71] ENDO-THERAPEUTICS, INC., US
[85] 2020-01-08
[86] 2018-07-12 (PCT/US2018/041872)
[87] (WO2019/014476)
[30] US (62/531,470) 2017-07-12

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[21] **3,069,451**
[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **METHODS FOR INHIBITION OF HAO1 (HYDROXYACID OXIDASE 1 (GLYCOLATE OXIDASE)) GENE EXPRESSION**
[54] **METHODES D'INHIBITION DE L'EXPRESSION GENIQUE D'HAO1 (HYDROXYACIDE OXYDASE 1 (GLYCOLATE OXYDASE))**
[72] ERBE, DAVID V., US
[71] ALNYLAM PHARMACEUTICALS, INC., US
[85] 2020-01-08
[86] 2018-07-12 (PCT/US2018/041891)
[87] (WO2019/014491)
[30] US (62/581,565) 2017-11-03
[30] US (62/646,285) 2018-03-21
[30] US (62/682,020) 2018-06-07
[30] US (62/532,176) 2017-07-13

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[21] **3,069,454**
[13] A1
[51] **Int.Cl. C07C 51/48 (2006.01) C07C 51/43 (2006.01) C07C 59/01 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING 3-HYDROXY-3-METHYLBUTYRATE OR SALT THEREOF**
[54] **PROCEDE DE FABRICATION D'ACIDE 3-HYDROXY-3-METHYLBUTANOIQUE OU DE SEL DE CELUI-CI**
[72] SUGITA, NAOKI, JP
[72] HOSHI, TOSHIO, JP
[71] KOBAYASHI PERFUMERY CO. , LTD., JP
[85] 2019-12-17
[86] 2018-01-26 (PCT/JP2018/002463)
[87] (WO2019/016983)
[30] JP (PCT/JP2017/026068) 2017-07-19

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[21] **3,069,455**
[13] A1
[51] **Int.Cl. G01N 21/00 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS OF ASSESSING ANTIBODY-DRUG CONJUGATES**
[54] **PROCEDES D'EVALUATION DE CONJUGUES ANTICORPS-MEDICAMENT**
[72] SKINNER, ANDRIA, US
[72] KULYBA, NATALLIA, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-01-08
[86] 2018-09-05 (PCT/US2018/049599)
[87] (WO2019/050981)
[30] US (62/556,153) 2017-09-08

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[21] **3,069,456**
[13] A1
[51] **Int.Cl. B01J 8/00 (2006.01) B01D 53/04 (2006.01) B01J 8/02 (2006.01) B01J 8/18 (2006.01) B01J 8/44 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVING FLOW IN RADIAL FLOW REACTOR**
[54] **SYSTEMES ET PROCEDES POUR AMELIORER L'ECOULEMENT DANS UN REACTEUR A ECOULEMENT RADIAL**
[72] LE-GOFF, PIERRE-YVES, FR
[72] LAMBERT, FABIAN, FR
[72] HUTCHINSON, MATTHEW, US
[72] HILLENBURG, RUSSELL, US
[72] EBERHARDT, EUGENE, US
[71] WOVEN METAL PRODUCTS, INC., US
[85] 2020-01-08
[86] 2018-07-13 (PCT/US2018/041984)
[87] (WO2019/014535)
[30] US (15/649,893) 2017-07-14

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[21] **3,069,457**
[13] A1
[51] **Int.Cl. A61B 5/06 (2006.01) A61B 5/00 (2006.01) A61B 5/04 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR POSITIONING AN INTRACRANIAL DEVICE USING BRAIN ACTIVITY**
[54] **SYSTEMES ET PROCEDES DE POSITIONNEMENT D'UN DISPOSITIF INTRACRANIEN UTILISANT UNE ACTIVITE CEREBRALE**
[72] WAZIRI, ALLEN, US
[72] EMERSON, RONALD, US
[71] ICE NEUROSYSTEMS, INC, US
[85] 2020-01-08
[86] 2018-07-16 (PCT/US2018/042298)
[87] (WO2019/018291)
[30] US (62/533,389) 2017-07-17
[30] US (62/609,501) 2017-12-22

[21] **3,069,458**
[13] A1
[51] **Int.Cl. B60T 13/22 (2006.01) F16D 55/24 (2006.01)**
[25] EN
[54] **BRAKE SYSTEM FOR MINE TRUCKS**
[54] **SYSTEME DE FREINAGE POUR CAMIONS MINIERS**
[72] BURNS, DAVID, US
[72] DAVIS, CHRIS, US
[72] DESATNIK, BRAD, US
[72] KOERTH, MICHAEL, US
[71] CARLISLE BRAKE & FRICTION, INC., US
[85] 2020-01-08
[86] 2018-07-13 (PCT/US2018/041987)
[87] (WO2019/022965)
[30] US (62/537,153) 2017-07-26

[21] **3,069,459**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04W 72/04 (2009.01)**
[25] EN
[54] **CARRIER SWITCHING FOR MULTIPLE CARRIERS USING THE SAME COMPONENTS OF A COMPONENT PATH**
[54] **COMMUTATION DE PORTEUSE POUR DE MULTIPLES PORTEUSES A L'AIDE DES MEMES COMPOSANTES D'UN TRAJET DE COMPOSANTE**
[72] RICO ALVARINO, ALBERTO, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-01-08
[86] 2018-08-09 (PCT/US2018/045972)
[87] (WO2019/032807)
[30] US (62/544,568) 2017-08-11
[30] US (16/058,693) 2018-08-08

[21] **3,069,460**
[13] A1
[51] **Int.Cl. G07F 7/00 (2006.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **SYSTEM FOR AUTOMATIC REORDERING OF REPLENISHMENT STOCK**
[54] **SYSTEME DE COMMANDE AUTOMATIQUE DE STOCK DE REAPPROVISIONNEMENT**
[72] VISSER, ANTON C., US
[72] WERNER, THOMAS ANDREW, US
[71] CUBEX LLC, US
[85] 2020-01-08
[86] 2018-07-16 (PCT/US2018/042326)
[87] (WO2019/055120)
[30] US (62/558,070) 2017-09-13

[21] **3,069,461**
[13] A1
[51] **Int.Cl. E21B 7/24 (2006.01) E21B 4/00 (2006.01)**
[25] EN
[54] **DOWNHOLE OSCILLATION APPARATUS**
[54] **APPAREIL D'OSCILLATION DE FOND DE TROU**
[72] SICILIAN, JOSHUA ALAN, US
[72] ALI, FARAZ, US
[72] CUDDAPAH, AVINASH, US
[71] REME TECHNOLOGIES, LLC, US
[85] 2020-01-08
[86] 2018-07-17 (PCT/US2018/042413)
[87] (WO2019/018351)
[30] US (15/652,511) 2017-07-18

[21] **3,069,462**
[13] A1
[51] **Int.Cl. A61K 31/137 (2006.01) A61P 3/00 (2006.01) A61P 9/10 (2006.01) A61P 9/14 (2006.01) A61P 17/14 (2006.01) A61P 19/02 (2006.01) A61P 19/10 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 27/00 (2006.01) A61P 27/12 (2006.01) A61P 29/00 (2006.01) A61P 37/04 (2006.01) A61P 39/06 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **AMBROXOL TO IMPROVE AND/OR EXTEND HEALTHSPAN, LIFESPAN AND/OR MENTAL ACUITY**
[54] **UTILISATION D'AMBROXOL POUR AMELIORER ET/OU PROLONGER LA DUREE DE VIE EN BONNE SANTE, LA DUREE DE VIE ET/OU L'ACUITE MENTALE**
[72] ANDERSON, STEPHEN, US
[71] NEUERE, LLC, US
[85] 2020-01-08
[86] 2018-07-14 (PCT/US2018/042193)
[87] (WO2019/018247)
[30] US (62/533,071) 2017-07-16
[30] US (62/574,848) 2017-10-20

[21] **3,069,464**
[13] A1
[51] **Int.Cl. A47C 7/42 (2006.01) A47C 7/46 (2006.01) B60N 2/66 (2006.01)**
[25] EN
[54] **LOWER BACK AND POSTURE SUPPORT DEVICE**
[54] **DISPOSITIF DE SUPPORT DE BAS DU DOS ET DE POSTURE**
[72] WALKER, BROCK M., US
[72] ALDRICH, JOHN, US
[71] INTER-FACE MEDICAL LLC, US
[85] 2020-01-08
[86] 2018-07-27 (PCT/US2018/044038)
[87] (WO2019/023544)
[30] US (62/538,525) 2017-07-28
[30] US (62/580,180) 2017-11-01

[21] **3,069,465**
[13] A1
[51] **Int.Cl. C10G 65/12 (2006.01) C10G 65/10 (2006.01)**
[25] EN
[54] **BLOCKED OPERATION FOR GROUP II AND GROUP III LUBRICANT PRODUCTION**
[54] **OPERATION BLOQUEE POUR LA PRODUCTION DE LUBRIFIANTS DE GROUPE II ET DE GROUPE III**
[72] SCHLEICHER, GARY P., US
[72] HOO, TECK-MUI, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2020-01-08
[86] 2018-07-18 (PCT/US2018/042671)
[87] (WO2019/027677)

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[21] **3,069,467**
[13] A1
[51] **Int.Cl. B01J 38/06 (2006.01) B01J 8/02 (2006.01) B01J 8/04 (2006.01) B01J 29/04 (2006.01) B01J 29/068 (2006.01) B01J 29/74 (2006.01) B01J 29/90 (2006.01) B01J 35/00 (2006.01) B01J 37/00 (2006.01) B01J 37/10 (2006.01) B01J 37/18 (2006.01) B01J 38/02 (2006.01) B01J 38/10 (2006.01) C10G 45/00 (2006.01)**
[25] EN
[54] **ACTIVATION OF NOBLE METAL CATALYSTS ON SILICEOUS SUPPORTS WITH WATER-CONTAINING GAS STREAM**
[54] **ACTIVATION DE CATALYSEURS DE METAUX NOBLES SUR DES SUPPORTS SILICEUX AVEC UN FLUX DE GAZ CONTENANT DE L'EAU**
[72] MCCARTHY, STEPHEN J., US
[72] PODSIADLO, PAUL, US
[72] SCHLEICHER, GARY P., US
[72] HILBERT, TIMOTHY L., US
[72] HOO, TECK-MUI, US
[72] JOSECK, ERIC D., US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2020-01-08
[86] 2018-07-18 (PCT/US2018/042692)
[87] (WO2019/027678)
[30] US (62/540,654) 2017-08-03

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[21] **3,069,469**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C12Q 1/68 (2018.01) G01N 33/574 (2006.01)**
[25] EN
[54] **THERAPEUTIC AND DIAGNOSTIC METHODS FOR CANCER**
[54] **PROCEDES THERAPEUTIQUES ET DE DIAGNOSTIC DU CANCER**
[72] CUMMINGS, CRAIG ANTHONY, US
[72] LI, YAN, US
[72] PAUL, SARAH MARGARET, US
[72] SCHLEIFMAN, ERICA BETH, US
[72] SHAMES, DAVID, US
[72] FABRIZIO, DAVID, US
[72] LIEBER, DANIEL, US
[72] OTTO, GEOFFREY ALAN, US
[72] KENNEDY, MARK, US
[72] CLARK, TRAVIS, US
[72] LIPSON, DORON, US
[72] HE, JIE, US
[72] ZHONG, SHAN, US
[71] GENENTECH, INC., US
[71] FOUNDATION MEDICINE, INC., US
[85] 2020-01-08
[86] 2018-07-20 (PCT/US2018/043074)
[87] (WO2019/018757)
[30] US (62/535,605) 2017-07-21
[30] US (62/553,034) 2017-08-31
[30] US (62/652,843) 2018-04-04
[30] US (62/680,516) 2018-06-04

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[21] **3,069,471**
[13] A1
[51] **Int.Cl. A61M 5/168 (2006.01) G06F 21/70 (2013.01) G16H 10/00 (2018.01) A61M 5/142 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **ASSEMBLIES, SYSTEMS AND METHODS FOR PROGRAMMING MEDICAL DEVICES**
[54] **ENSEMBLES, SYSTEMES ET PROCEDES DE PROGRAMMATION DE DISPOSITIFS MEDICAUX**
[72] SLUGGETT, ANDREW, AU
[72] DJURASEVICH, DANNY, AU
[72] CROCKETT, PAUL, AU
[71] INFUSION INNOVATIONS PTY LTD, AU
[85] 2020-01-09
[86] 2018-07-12 (PCT/AU2018/050721)
[87] (WO2019/010537)
[30] AU (2017902740) 2017-07-12

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[21] **3,069,474**
[13] A1
[51] **Int.Cl. G06Q 10/02 (2012.01) H04W 4/14 (2009.01) G06Q 20/32 (2012.01) H04W 4/021 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR UPGRADING SEAT TICKETS**
[54] **PROCEDE ET SYSTEME DE SURCLASSEMENT DE BILLETS**
[72] D'SOUZA, BRENNON, CA
[71] DIBBZZ INC., CA
[85] 2020-01-09
[86] 2018-07-12 (PCT/CA2018/050851)
[87] (WO2019/010579)
[30] US (62/531,618) 2017-07-12

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[21] **3,069,477**
[13] A1
[51] **Int.Cl. B05D 1/28 (2006.01) B05D 3/02 (2006.01) B05D 3/10 (2006.01) B05D 7/14 (2006.01) B05D 7/24 (2006.01)**
[25] EN
[54] **ROLL COATING-BASED PREPARATION METHODS FOR ADHESIVE BONDING OF ALUMINUM ALLOYS, AND PRODUCTS RELATING TO THE SAME**
[54] **PROCEDES DE PREPARATION A BASE DE REVETEMENT AU ROULEAU POUR LA LIAISON PAR ADHESION D'ALLIAGES D'ALUMINIUM, ET PRODUITS ASSOCIES AUXDITS PROCEDES**
[72] MARINELLI, JAMES M., US
[72] GENSON, KIRSTEN L., US
[72] MCALLISTER, JOHN R., US
[72] KELTZ, DAVID M., US
[72] FIORINA, CHRISTOPHER M., US
[72] KEENER, JOHN L., US
[72] SCOTT, RYAN N., US
[71] ARCONIC INC., US
[85] 2020-01-08
[86] 2018-07-24 (PCT/US2018/043548)
[87] (WO2019/023273)
[30] US (62/537,343) 2017-07-26

[21] **3,069,478**
[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **PANELS WITH A DETACHABLE PROTRUDING LIP FOR WALL-CEILING- OR FLOOR COVERINGS**
[54] **PANNEAUX DOTES D'UNE LEVRE SAILLANTE DETACHABLE POUR DES REVETEMENTS DESTINES A ETRE POSES SUR DES MURS, DES PLAFONDS OU DES SOLS**
[72] FAHLE, DANIEL, DE
[72] WENDT, MAX, DE
[72] LIPPERT, UWE, CH
[71] XYLO TECHNOLOGIES AG, CH
[85] 2020-01-09
[86] 2017-07-18 (PCT/EP2017/068140)
[87] (WO2019/015746)

[21] **3,069,481**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHOD OF IDENTIFYING A SUBJECT HAVING A BACTERIAL INFECTION**
[54] **PROCEDE DE DETERMINATION D'UNE INFECTION BACTERIENNE CHEZ UN SUJET**
[72] LEVIN, MICHAEL, GB
[72] KAFOROU, MYRSINI, GB
[72] HERBERG, JETHRO A., GB
[72] WRIGHT, VICTORIA J., GB
[72] COIN, LACHLAN JM, GB
[71] IMPERIAL INNOVATIONS LTD, GB
[85] 2020-01-09
[86] 2017-07-12 (PCT/EP2017/067637)
[87] (WO2018/011316)
[30] GB (1612123.8) 2016-07-12

[21] **3,069,482**
[13] A1
[51] **Int.Cl. H03M 13/13 (2006.01) H03M 13/00 (2006.01)**
[25] EN
[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
[71] ACCELERCOMM LTD, GB
[85] 2020-01-09
[86] 2018-07-04 (PCT/EP2018/065554)
[87] (WO2019/011555)
[30] GB (1711055.2) 2017-07-10
[30] GB (1714559.0) 2017-09-11

[21] **3,069,484**
[13] A1
[51] **Int.Cl. A61K 8/31 (2006.01) A61K 8/06 (2006.01) A61K 8/34 (2006.01) A61K 8/37 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **NANOEMULSIONS WITH COLOR STABILIZED ACTIVES**
[54] **NANOEMULSIONS COMPRENANT DES PRINCIPES ACTIFS A COULEUR STABILISEE**
[72] LOU, ANJING, US
[72] MOADDEL, TEANOOSH, US
[72] QUAN, CONGLING, US
[72] ZAVOLUK, WILLIAM, US
[71] UNILEVER PLC, GB
[85] 2020-01-09
[86] 2018-06-21 (PCT/EP2018/066640)
[87] (WO2019/011618)
[30] EP (17180848.8) 2017-07-12

[21] **3,069,489**
[13] A1
[51] **Int.Cl. F16K 1/00 (2006.01) B81C 1/00 (2006.01) F16K 99/00 (2006.01)**
[25] EN
[54] **MICRO CHECK VALVE AND SYSTEM WITH MULTIPLE MICRO CHECK VALVES AND METHOD FOR THE PRODUCTION THEREOF**
[54] **MICRO-CLAPET ANTI-RETOUR ET SYSTEME COMPRENANT PLUSIEURS MICRO-CLAPETS ANTI-RETOUR ET PROCEDE POUR LA FABRICATION DE CES DERNIERS**
[72] CORDELAIR, MARCO, DE
[71] MICROFAB SERVICE GMBH, DE
[85] 2020-01-09
[86] 2017-07-11 (PCT/EP2017/067316)
[87] (WO2019/011410)

[21] **3,069,490**
[13] A1
[51] **Int.Cl. E01F 15/14 (2006.01) E01F 15/12 (2006.01)**
[25] EN
[54] **TERMINAL ELEMENT OF A TRAFFIC BARRIER DEVICE, TRANSITION SYSTEM, METHOD FOR PROVIDING A COLLISION PROTECTION**
[54] **ELEMENT DE TERMINAISON D'UN DISPOSITIF DE DELIMITATION DE VOIE DE CIRCULATION, SYSTEME DE TRANSITION, PROCEDE DE FOURNITURE D'UNE PROTECTION ANTI-TAMPONNEMENT**
[72] WENGER, HERMANN, CH
[71] WENGER, PROJEKTE UND COACHING, CH
[85] 2020-01-09
[86] 2017-07-12 (PCT/EP2017/067551)
[87] (WO2019/011424)

[21] **3,069,491**
[13] A1
[51] **Int.Cl. E01F 15/12 (2006.01) E01F 15/00 (2006.01) E01F 15/14 (2006.01)**
[25] EN
[54] **TERMINAL ELEMENT OF A TRAFFIC BARRIER DEVICE, TRANSITION SYSTEM, METHOD FOR PROVIDING A COLLISION PROTECTION**
[54] **ELEMENT DE FERMETURE D'UN DISPOSITIF DE LIMITATION DE VOIE DE ROULEMENT, SYSTEME DE TRANSITION, PROCEDE DE FOURNITURE D'UNE PROTECTION CONTRE LES IMPACTS**
[72] WENGER, HERMANN, CH
[71] WENGER, PROJEKTE UND COACHING, CH
[85] 2020-01-09
[86] 2017-07-12 (PCT/EP2017/067554)
[87] (WO2019/011425)

[21] **3,069,492**
[13] A1
[51] **Int.Cl. A61K 8/34 (2006.01) A61K 8/06 (2006.01) A61K 8/37 (2006.01) A61K 8/49 (2006.01) A61K 8/73 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **FREEZE DRIED ACTIVE COMPOSITION AND A SYSTEM FOR USING THE SAME**
[54] **COMPOSITION ACTIVE LYOPHILISEE ET SYSTEME D'UTILISATION DE CELLE-CI**
[72] BUCHALOVA, MARIA, US
[72] JORGENSEN, LISE, US
[72] KRISHNAN, RAVI, IN
[72] MOADDEL, TEANOOSH, US
[72] SUIJKER, MICHAEL JACOBUS, NL
[72] VELIKOV, KRASSIMIR PETKOV, NL
[71] UNILEVER PLC, GB
[85] 2020-01-09
[86] 2018-06-21 (PCT/EP2018/066642)
[87] (WO2019/011620)
[30] CN (PCT/CN2017/092606) 2017-07-12

[21] **3,069,493**
[13] A1
[51] **Int.Cl. C01B 3/02 (2006.01) B01J 23/00 (2006.01) B01J 23/06 (2006.01) B01J 23/72 (2006.01) B01J 23/80 (2006.01) C01B 3/48 (2006.01) C10K 3/04 (2006.01)**
[25] EN
[54] **METHOD AND CATALYSTS FOR THE PRODUCTION OF AMMONIA SYNTHESIS GAS**
[54] **PROCEDE ET CATALYSEURS POUR LA PRODUCTION DE GAZ AMMONIAC DE SYNTHESE**
[72] KROLL JENSEN, ANNETTE E., DK
[72] SPETH, CHRISTIAN HENRIK, DK
[72] ROSTRUP-NIELSEN, THOMAS, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-01-09
[86] 2018-06-28 (PCT/EP2018/067389)
[87] (WO2019/011659)
[30] DK (PA 2017 00412) 2017-07-13

[21] **3,069,494**
[13] A1
[51] **Int.Cl. B63C 9/00 (2006.01) F15B 20/00 (2006.01) F17C 13/08 (2006.01)**
[25] EN
[54] **CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE**
[72] BIRKIN, JEFFREY, GB
[71] BIRKIN, JEFFREY, GB
[85] 2020-01-09
[86] 2017-07-11 (PCT/GB2017/052028)
[87] (WO2018/011560)
[30] GB (1612008.1) 2016-07-11

[21] **3,069,495**
[13] A1
[51] **Int.Cl. F16G 13/06 (2006.01)**
[25] EN
[54] **POWER TRANSMISSION CHAIN**
[54] **CHAINE DE TRANSMISSION**
[72] FOWLER, MARCEL, GB
[71] NEW MOTION LABS LTD., GB
[85] 2020-01-09
[86] 2018-07-10 (PCT/GB2018/000105)
[87] (WO2019/012241)
[30] GB (1711342.4) 2017-07-13
[30] GB (1715782.7) 2017-09-28
[30] GB (1717436.8) 2017-10-24

[21] **3,069,496**
[13] A1
[51] **Int.Cl. F16K 31/50 (2006.01) F16K 3/26 (2006.01) F16K 7/17 (2006.01) F16K 31/04 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **AUTOMATIC SHUT OFF VALVE**
[54] **SOUPAPE D'ARRET AUTOMATIQUE**
[72] LOVE, CARL, GB
[71] SURESTOP LTD., GB
[85] 2020-01-09
[86] 2018-07-10 (PCT/GB2018/051958)
[87] (WO2019/012269)
[30] GB (1711307.7) 2017-07-13

[21] **3,069,497**
[13] A1
[51] **Int.Cl. E21B 33/076 (2006.01) E21B 23/00 (2006.01)**
[25] EN
[54] **METHOD OF INSERTING A DEVICE IN A SUBSEA OIL WELL, METHOD OF REMOVING A DEVICE FROM A SUBSEA OIL WELL, AND SYSTEM FOR INSERTION AND REMOVAL OF A DEVICE IN A SUBSEA OIL WELL**
[54] **PROCEDE D'INSERTION D'UN DISPOSITIF DANS UN PUITS DE PETROLE SOUS-MARIN, PROCEDE DE RETRAIT D'UN DISPOSITIF A PARTIR D'UN PUITS DE PETROLE SOUS-MARIN, ET SYSTEME POUR L'INSERTIONET LE RETRAIT D'UN DISPOSITIF DANS UN PUITS DE PETROLE SOUS-MARIN**
[72] HOMERO THOME FERREIRA, LINCOLN, BR
[72] ROBINSON SALVI DOS REIS, NEY, BR
[72] MENDES-URSINE KRETTLI, IGOR, BR
[72] FRANCISCO LISBOA SANTOS, HUGO, BR
[72] LEONARDO DA CUNHA PEREIRA PINTO, HARDY, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
[85] 2020-01-09
[86] 2018-07-13 (PCT/GB2018/052000)
[87] (WO2019/012294)
[30] BR (10 2017 015062-3) 2017-07-13

[21] **3,069,498**
[13] A1
[51] **Int.Cl. A61C 3/00 (2006.01) A41C 3/12 (2006.01) A41F 15/00 (2006.01)**
[25] EN
[54] **BREAST-SUPPORTIVE GARMENTS**
[54] **VETEMENTS DE SOUTIEN DU SEIN**
[72] LEE, JENNY, US
[71] LEE, JENNY, US
[85] 2020-01-09
[86] 2017-06-28 (PCT/US2017/039673)
[87] (WO2018/022239)
[30] US (62/493,982) 2016-07-25
[30] US (62/494,216) 2016-08-01
[30] US (62/494,933) 2016-08-26
[30] KR (10-2016-0116667) 2016-09-09
[30] US (62/456,801) 2017-02-09
[30] US (15/468,625) 2017-03-24

[21] **3,069,499**
[13] A1
[51] **Int.Cl. C22C 21/08 (2006.01) C22F 1/05 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH CORROSION-RESISTANT ALUMINUM ALLOY AND METHOD OF MAKING THE SAME**
[54] **ALLIAGE D'ALUMINIUM RESISTANT A LA CORROSION, A RESISTANCE ELEVEE, ET PROCEDE DE FABRICATION ASSOCIE**
[72] DAS, SAZOL KUMAR, US
[72] AHMED, HANY, US
[72] WEN, WEI, US
[71] NOVELIS INC., CA
[85] 2020-01-09
[86] 2017-07-10 (PCT/US2017/041313)
[87] (WO2019/013744)

[21] **3,069,500**
[13] A1
[51] **Int.Cl. A01N 25/00 (2006.01) C12Q 1/66 (2006.01)**
[25] EN
[54] **A METHOD FOR THE RAPID DETECTION OF BACTERIAL SPORES IN AN INDUSTRIAL PROCESS**
[54] **PROCEDE DE DETECTION RAPIDE DE SPORES BACTERIENNES DANS UN PROCESSUS INDUSTRIEL**
[72] LUND, LILIYA, US
[72] RICE, LAURA, US
[71] ECOLAB USA INC., US
[85] 2020-01-09
[86] 2017-07-12 (PCT/US2017/041736)
[87] (WO2019/013781)

[21] **3,069,501**
[13] A1
[51] **Int.Cl. A21D 13/066 (2017.01) A21D 13/42 (2017.01)**
[25] EN
[54] **GLUTEN-FREE TORTILLAS**
[54] **TORTILLAS SANS GLUTEN**
[72] CAMMAROTA, CARINA CLAUDIA, ES
[72] NG, CHRISTINE, S. T., US
[72] PLAZA GARCIA, JONAS, ES
[71] GENERAL MILLS, INC., US
[85] 2020-01-09
[86] 2017-09-01 (PCT/US2017/049908)
[87] (WO2019/045754)

[21] **3,069,502**
[13] A1
[51] **Int.Cl. F21V 21/04 (2006.01) F21V 23/00 (2015.01)**
[25] EN
[54] **A DRAIN ARRANGEMENT FOR A LUMINAIRE**
[54] **SYSTEME DE DRAIN DESTINE A UN LUMINAIRE**
[72] PATIL, SANTOSH K., IN
[72] KUBSAD, VINAYA N., IN
[72] KULKARNI, HARISH P., IN
[72] DEVAPPA, HARSHA N., IN
[72] LEBER, WILLIAM, US
[72] GRAFF, TIMOTHY E., US
[71] APPLETON GRP LLC, US
[85] 2020-01-09
[86] 2017-11-22 (PCT/US2017/062988)
[87] (WO2019/013837)

[21] **3,069,503**
[13] A1
[51] **Int.Cl. E21B 43/16 (2006.01) E21B 43/28 (2006.01)**
[25] EN
[54] **METHODS FOR DEEP RESERVOIR STIMULATION USING ACID-FORMING FLUIDS**
[54] **PROCEDES DE STIMULATION DE RESERVOIR PROFOND A L'AIDE DE FLUIDES DE FORMATION D'ACIDE**
[72] LO CASCIO, MAURO, US
[72] ESCH, WILLIAM L., US
[72] BECKHAM, RICHARD E., US
[72] WANAT, EDWARD C., US
[72] FULLMER, SHAWN, US
[72] SHUCHART, CHRIS ERIC, US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-01-09
[86] 2018-04-25 (PCT/US2018/029359)
[87] (WO2019/013855)
[30] US (62/530,462) 2017-07-10

[21] **3,069,504**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04W 72/04 (2009.01)**
[25] EN
[54] **TECHNIQUES AND APPARATUSES FOR MANAGING SOUNDING REFERENCE SIGNAL (SRS) TRANSMISSIONS IN A BANDWIDTH PART**
[54] **TECHNIQUES ET APPAREILS DE GESTION DES TRANSMISSIONS D'UN SIGNAL DE REFERENCE DE SONDAGE (SRS) DANS UNE PARTIE DE LARGEUR DE BANDE**
[72] MANOLAKOS, ALEXANDROS, US
[72] CHEN, WANSHI, US
[72] LUO, TAO, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-01-09
[86] 2018-06-13 (PCT/US2018/037362)
[87] (WO2019/032182)
[30] GR (20170100375) 2017-08-11
[30] US (16/005,796) 2018-06-12

[21] **3,069,505**
[13] A1
[51] **Int.Cl. B01D 46/52 (2006.01) B01D 29/62 (2006.01) B28D 7/02 (2006.01)**
[25] EN
[54] **ROTATABLE FILTER SYSTEM AND METHODOLOGY**
[54] **SYSTEME ET METHODOLOGIE DE FILTRE ROTATIF**
[72] FAIRWEATHER, MITCH, US
[72] CURTIS, STEPHEN M., US
[72] GUTH, PAUL W., US
[72] OTT, RANDY, US
[71] JPL GLOBAL, LLC, US
[85] 2020-01-09
[86] 2018-06-20 (PCT/US2018/038617)
[87] (WO2018/237085)
[30] US (15,628,581) 2017-06-20

[21] **3,069,506**
[13] A1
[51] **Int.Cl. G06F 16/635 (2019.01) G06F 21/60 (2013.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PLAYING BACK INDEXED CONVERSATIONS BASED ON THE PRESENCE OF OTHER PEOPLE**
[54] **PROCEDES ET SYSTEMES DE LECTURE DE CONVERSATIONS INDEXEES EN FONCTION DE LA PRESENCE D'AUTRES PERSONNES**
[72] MCCARTY, MICHAEL, US
[72] ROE, GLEN E., US
[71] ROVI GUIDES, INC., US
[85] 2020-01-09
[86] 2018-06-22 (PCT/US2018/039012)
[87] (WO2019/022879)

[21] **3,069,507**
[13] A1
[51] **Int.Cl. H03K 7/08 (2006.01) H03K 5/156 (2006.01) H04B 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING RADIOFREQUENCY SIGNALS USING MODULATION DUTY CYCLE SCALING**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE SIGNAUX DE RADIOFREQUENCE EN UTILISANT LA MISE A L'ECHELLE DU RAPPORT CYCLIQUE DE MODULATION**
[72] HECK, JOSEPH P., US
[72] CALVO, CHRISTOPHER, US
[72] CARUTHERS, RODGER W., US
[72] CAFARO, NICHOLAS G., US
[72] NAGARAJ, GEETHA B., US
[72] SALVI, RAUL, US
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2020-01-09
[86] 2018-06-27 (PCT/US2018/039802)
[87] (WO2019/022905)
[30] US (15/660,723) 2017-07-26

[21] **3,069,508**
[13] A1
[51] **Int.Cl. G08B 5/36 (2006.01) F21V 7/00 (2006.01) F21V 25/00 (2006.01) G08B 21/12 (2006.01) G08B 17/10 (2006.01)**
[25] EN
[54] **HAZARD DETECTOR WITH OPTICAL STATUS INDICATOR**
[54] **DETECTEUR DE DANGER AVEC INDICATEUR D'ETAT OPTIQUE**
[72] BUCHHOLZ, MATTHEW J., US
[72] MOTT, KENNETH J., US
[71] CARRIER CORPORATION, US
[85] 2020-01-09
[86] 2018-07-09 (PCT/US2018/041267)
[87] (WO2019/014112)
[30] US (62/530,728) 2017-07-10

[21] **3,069,509**
[13] A1
[51] **Int.Cl. G01N 1/36 (2006.01) G01N 23/046 (2018.01) B81B 1/00 (2006.01) H01J 37/285 (2006.01)**
[25] EN
[54] **A METHOD FOR ANALYZING THE 3D STRUCTURE OF BIOMOLECULES**
[54] **PROCEDE D'ANALYSE DE LA STRUCTURE 3D DE BIOMOLECULES**
[72] ANDERSSON, MARTIN, SE
[72] HULANDER, MATS, SE
[72] SUNDELL, GUSTAV, SE
[71] ANDERSSON, MARTIN, SE
[71] HULANDER, MATS, SE
[71] SUNDELL, GUSTAV, SE
[85] 2020-01-09
[86] 2018-07-04 (PCT/SE2018/050731)
[87] (WO2019/013688)
[30] SE (1750924-1) 2017-07-14

[21] **3,069,510**
[13] A1
[51] **Int.Cl. H02S 20/30 (2014.01) H02S 30/10 (2014.01) G08C 17/02 (2006.01)**
[25] EN
[54] **TRANSPORTABLE AND MULTI CONFIGURABLE, MODULAR POWER PLATFORMS**
[54] **PLATEFORMES D'ALIMENTATION MODULAIRES, MULTI-CONFIGURABLES ET TRANSPORTABLES**
[72] BOGUESS, BRIAN C., US
[72] RYAN, JAMES, US
[72] KLANG, GREGG ALAN, US
[72] STEVENS, JONO, US
[71] NUANCE ENERGY GROUP, INC., US
[85] 2020-01-09
[86] 2018-07-09 (PCT/US2018/041330)
[87] (WO2019/014148)
[30] US (62/530,782) 2017-07-10

[21] **3,069,511**
[13] A1
[51] **Int.Cl. G05D 1/00 (2006.01) G05D 3/00 (2006.01)**
[25] EN
[54] **DISTRIBUTED DATA PROCESSING SYSTEMS FOR PROCESSING REMOTELY CAPTURED SENSOR DATA**
[54] **SYSTEMES DE TRAITEMENT DE DONNEES DISTRIBUEES POUR TRAITER DES DONNEES DE CAPTEUR CAPTUREES A DISTANCE**
[72] HARISH, PRATHEEK MYLANAHALLI, US
[72] YEOMANS, BENJAMIN ROBERTSON, US
[72] HERRMANN, ALEXANDER, US
[72] SCHMITT, KYLE PATRICK, US
[71] ALLSTATE INSURANCE COMPANY, US
[85] 2020-01-09
[86] 2018-07-10 (PCT/US2018/041396)
[87] (WO2019/014184)
[30] US (62/532,514) 2017-07-14
[30] US (62/571,108) 2017-10-11
[30] US (16/028,465) 2018-07-06
[30] US (16/028,470) 2018-07-06
[30] US (16/028,499) 2018-07-06
[30] US (16/028,540) 2018-07-06
[30] US (16/028,577) 2018-07-06
[30] US (16/028,614) 2018-07-06
[30] US (16/028,676) 2018-07-06
[30] US (16/028,719) 2018-07-06
[30] US (16/028,785) 2018-07-06
[30] US (16/028,837) 2018-07-06
[30] US (16/028,927) 2018-07-06

[21] **3,069,512**
[13] A1
[51] **Int.Cl. C10G 55/06 (2006.01) C10G 67/04 (2006.01)**
[25] EN
[54] **FORMING ASPHALT FRACTIONS FROM THREE-PRODUCT DEASPHALTING**
[54] **FORMATION DE FRACTIONS D'ASPHALTE A PARTIR D'UN DESASPHALTAGE EN TROIS PRODUITS**
[72] ALDOUS, KEITH K., US
[72] BOUSSAD, KAMAL, FR
[72] FRUCHEY, KENDALL S., US
[72] GREEN, SARA K., US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2020-01-09
[86] 2018-07-10 (PCT/US2018/041409)
[87] (WO2019/014196)
[30] US (62/532,430) 2017-07-14

[21] **3,069,513**
[13] A1
[51] **Int.Cl. A63G 31/00 (2006.01) E06B 9/06 (2006.01) E06B 11/02 (2006.01)**
[25] EN
[54] **RETRACTABLE GATE SYSTEM**
[54] **SYSTEME DE PORTE ESCAMOTABLE**
[72] MADDAMMA, MICHAEL, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2020-01-09
[86] 2018-07-10 (PCT/US2018/041466)
[87] (WO2019/018162)
[30] US (15/655,575) 2017-07-20

[21] **3,069,514**
[13] A1
[51] **Int.Cl. G06N 99/00 (2019.01) H03K 19/195 (2006.01)**
[25] EN
[54] **ENCODING TWO-QUBIT INTERACTIONS**
[54] **CODAGE D'INTERACTIONS A DEUX BITS QUANTIQUES**
[72] EPSTEIN, RYAN J., US
[72] FERGUSON, DAVID GEORGE, US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2020-01-09
[86] 2018-07-10 (PCT/US2018/041467)
[87] (WO2019/022949)
[30] US (15/659,061) 2017-07-25

[21] **3,069,515**
[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01) A61K 31/00 (2006.01)**
[25] EN
[54] **TARGETING CHROMOSOMAL INSTABILITY AND DOWNSTREAM CYTOSOLIC DNA SIGNALING FOR CANCER TREATMENT**
[54] **CIBLAGE D'INSTABILITE CHROMOSOMIQUE ET DE SIGNALISATION D'ADN CYTOSOLIQUE EN AVAL POUR LE TRAITEMENT DU CANCER**
[72] CANTLEY, LEWIS C., US
[72] NGO, BRYAN, US
[72] BAKHOUM, SAMUEL F., US
[71] CORNELL UNIVERSITY, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2020-01-09
[86] 2018-07-10 (PCT/US2018/041480)
[87] (WO2019/014246)
[30] US (62/530,661) 2017-07-10

[21] **3,069,516**
[13] A1
[51] **Int.Cl. F16H 7/02 (2006.01) B65G 15/60 (2006.01) B65G 39/10 (2006.01) F16G 1/00 (2006.01) F16H 37/00 (2006.01)**
[25] EN
[54] **NORMALIZING TENSION DISTRIBUTION AND MINIMIZING SIDEWALL ABRASION WITHIN ANGULAR DRIVE BELT SYSTEMS**
[54] **NORMALISATION DE LA DISTRIBUTION DE TENSION ET REDUCTION DE L'ABRASION DE PAROI LATERALE DANS DES SYSTEMES DE COURROIE D'ENTRAINEMENT ANGULAIRE**
[72] SESSIONS, BLAKE, US
[71] LIFTWAVE, INC. DBA RISE ROBOTICS, US
[85] 2020-01-09
[86] 2018-07-10 (PCT/US2018/041497)
[87] (WO2019/014259)
[30] US (62/530,420) 2017-07-10

[21] **3,069,517**
[13] A1
[51] **Int.Cl. A61B 17/17 (2006.01) A61F 2/40 (2006.01)**
[25] EN
[54] **GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT**
[54] **GUIDES ET INSTRUMENTS D'AMELIORATION DE PRECISION DE MISE EN PLACE D'IMPLANT GLENOIDE**
[72] GARGAC, SHAWN M., US
[72] NEICHEL, NICOLAS, US
[72] LE NEGARET, BENOIT, US
[72] HODOREK, BRIAN C., US
[71] TORNIER, INC., US
[85] 2020-01-09
[86] 2018-07-10 (PCT/US2018/041526)
[87] (WO2019/014278)
[30] US (62/530,981) 2017-07-11
[30] US (62/545,327) 2017-08-14

[21] **3,069,518**
[13] A1
[51] **Int.Cl. B01D 61/48 (2006.01) B01D 61/50 (2006.01) C02F 1/469 (2006.01)**
[25] EN
[54] **SUB-BLOCK SEALING FOR ELECTROCHEMICAL SEPARATION DEVICES**
[54] **ETANCHEITE DE SOUS-BLOC POUR DES DISPOSITIFS DE SEPARATION ELECTROCHIMIQUE**
[72] MUSE, MICHAEL, US
[72] SHAW, MICHAEL J., US
[72] GRIFFIS, JOSHUA, US
[72] DUKES, SIMON PAUL, US
[72] LIANG, LI-SHIANG, US
[71] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2020-01-09
[86] 2018-07-11 (PCT/US2018/041553)
[87] (WO2019/014297)
[30] US (62/531,030) 2017-07-11

[21] **3,069,519**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) A01K 67/027 (2006.01) A61K 35/39 (2015.01) A61L 27/36 (2006.01) C07K 14/705 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **UNIVERSAL DONOR CELLS AND RELATED METHODS**
[54] **CELLULES DE DONNEUR UNIVERSEL ET PROCEDES ASSOCIES**
[72] BHOUMIK, ANINDITA, US
[72] AGULNICK, ALAN D., US
[72] D'AMOUR, KEVIN ALLEN, US
[71] VIACYTE, INC., US
[85] 2020-01-09
[86] 2018-07-11 (PCT/US2018/041648)
[87] (WO2019/014351)
[30] US (15/648,337) 2017-07-12

[21] **3,069,520**
[13] A1
[51] **Int.Cl. G16H 50/50 (2018.01)**
[25] EN
[54] **TECHNIQUES FOR CONDUCTING VIRTUAL CLINICAL TRIALS**
[54] **TECHNIQUES POUR EFFECTUER DES ESSAIS CLINIQUES VIRTUELS**
[72] FUERTINGER, DORIS H., US
[72] TOPPING, ALICE, US
[72] KAPPEL, FRANZ, AT
[72] THIJSSEN, STEPHAN, US
[72] KOTANKO, PETER, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[71] FRESENIUS MEDICAL CARE AG & CO. KGAA, DE
[85] 2020-01-09
[86] 2018-07-11 (PCT/US2018/041673)
[87] (WO2019/014366)
[30] US (62/531,810) 2017-07-12

[21] **3,069,521**
[13] A1
[51] **Int.Cl. C07D 307/68 (2006.01) B01J 23/38 (2006.01)**
[25] EN
[54] **PURIFIED 2,5-FURANDICARBOXYLIC ACID PATHWAY PRODUCTS**
[54] **PRODUITS PURIFIES DE LA VOIE DE L'ACIDE 2,5-FURANDICARBOXYLIQUE**
[72] MURPHY, VINCENT J., FI
[72] DEN OUDEN, HENRICUS JOHANNES CORNELIS, FI
[72] SOKOLOVSKII, VALERY, FI
[72] BOUSSIE, THOMAS R., FI
[72] DIAMOND, GARY M., FI
[72] DIAS, ERIC L., FI
[72] ZHU, GUANG, FI
[72] TORSSELL, STAFFAN, FI
[71] STORA ENSO OYJ, FI
[85] 2020-01-09
[86] 2018-07-11 (PCT/US2018/041694)
[87] (WO2019/014382)
[30] US (62/531,569) 2017-07-12
[30] US (62/614,852) 2018-01-08
[30] US (62/626,549) 2018-02-05

[21] **3,069,522**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61K 38/00 (2006.01) A61K 38/17 (2006.01) A61P 37/02 (2006.01) C07H 21/04 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CONDITIONALLY REGULATING GENE EXPRESSION**
[54] **PROCEDES ET SYSTEMES DE REGULATION CONDITIONNELLE DE L'EXPRESSION GENIQUE**
[72] WANG, JIANBIN, US
[72] WANG, BING, US
[72] LIU, PEI-QI, US
[71] REFUGE BIOTECHNOLOGIES, INC., US
[85] 2020-01-09
[86] 2018-07-11 (PCT/US2018/041704)
[87] (WO2019/014390)
[30] US (62/531,752) 2017-07-12
[30] US (62/587,668) 2017-11-17

[21] **3,069,523**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 35/74 (2015.01) A61P 35/00 (2006.01) C12N 1/36 (2006.01)**
[25] EN
[54] **ENGINEERED IMMUNOSTIMULATORY BACTERIAL STRAINS AND USES THEREOF**
[54] **SOUCHES BACTERIENNES IMMUNOSTIMULATRICES MODIFIEES ET UTILISATIONS**
[72] THANOS, CHRISTOPHER D., US
[72] GLICKMAN, LAURA HIX, US
[72] SKOBLE, JUSTIN, US
[71] ACTYM THERAPEUTICS, INC., US
[85] 2020-01-09
[86] 2018-07-11 (PCT/US2018/041713)
[87] (WO2019/014398)
[30] US (62/531,327) 2017-07-11
[30] US (62/648,380) 2018-03-26

[21] **3,069,524**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/435 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 401/04 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **NLRP3 MODULATORS**
[54] **MODULATEURS DE NLRP3**
[72] O'MALLEY, DANIEL, US
[72] GAVAI, ASHVINIKUMAR V., US
[72] GILL, PATRICE, US
[72] TARBY, CHRISTINE M., US
[72] WATTERSON, SCOTT HUNTER, US
[72] GONG, HUA, US
[72] WILLIAMS, DAVID K., US
[72] GHOSH, SHOMIR, US
[72] ROUSH, WILLIAM R., US
[71] INNATE TUMOR IMMUNITY, INC., US
[85] 2020-01-09
[86] 2018-07-12 (PCT/US2018/041723)
[87] (WO2019/014402)

[21] **3,069,525**
[13] A1
[51] **Int.Cl. C09D 133/06 (2006.01)**
[25] EN
[54] **CURABLE FILM-FORMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND POLYSILOXANE RESINS, MULTILAYER COMPOSITE COATINGS, AND METHODS FOR THEIR USE**
[54] **COMPOSITIONS DE FORMATION DE FILM DURCISSABLES CONTENANT DES POLYMERES FONCTIONNELS REACTIFS ET DES RESINES DE POLYSILOXANE, DES REVETEMENTS COMPOSITES MULTICOUCHES, ET LEURS PROCEDES D'UTILISATION**
[72] LEWIS, JASON RYAN, US
[72] DONALDSON, SUSAN FUNDY, US
[72] LUCHANSKY, MATTHEW S., US
[72] SWARUP, SHANTI, US
[72] BURGMAN, JOHN W., US
[72] JONES, JUSTIN, US
[72] CAO, BIN, US
[72] ZHOU, HONGYING, US
[72] KIRBY, DANIELLE, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2020-01-09
[86] 2018-07-12 (PCT/US2018/041755)
[87] (WO2019/014414)
[30] US (62/532,560) 2017-07-14

[21] **3,069,526**
[13] A1
[51] **Int.Cl. A61K 36/185 (2006.01) A61K 36/74 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR THE REDUCING LIPOTOXIC DAMAGE**
[54] **COMPOSES POUR LA REDUCTION DE LESIONS LIPOTOXIQUES**
[72] ANANDAN, SAMPATH-KUMAR, US
[72] GREENMAN, KEVIN, US
[72] KAMAL, ZEESHAN, US
[72] SINGH, VIJAY P., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2020-01-09
[86] 2018-07-12 (PCT/US2018/041796)
[87] (WO2019/014434)
[30] US (62/531,454) 2017-07-12

[21] **3,069,527**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF CANCERS HARBORING AN H3K27M MUTATION**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE CANCERS PRESENTANT UNE MUTATION H3K27M**
[72] MONJE-DEISSEROTH, MICHELLE, US
[72] MAJZNER, ROBBIE, US
[72] MACKALL, CRYSTAL, US
[72] MOUNT, CHRISTOPHER, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2020-01-09
[86] 2018-07-12 (PCT/US2018/041839)
[87] (WO2019/014456)
[30] US (62/531,872) 2017-07-12
[30] US (62/651,406) 2018-04-02

[21] **3,069,528**
[13] A1
[51] **Int.Cl. A44C 27/00 (2006.01) B05D 5/08 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **GEMSTONE COATINGS AND METHODS OF MAKING AND USING THE SAME**
[54] **REVETEMENTS DE PIERRES PRECIEUSES ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] DOUSSET, JEAN, US
[72] MCMAHON, HEIDI RENATE, US
[72] HOHMAN, JAMES NATHAN, US
[72] KIM, MOONHEE, US
[71] GLISTEN LLC, US
[85] 2020-01-09
[86] 2018-07-12 (PCT/US2018/041853)
[87] (WO2019/014465)
[30] US (62/532,805) 2017-07-14
[30] US (62/564,634) 2017-09-28

[21] **3,069,529**
[13] A1
[51] **Int.Cl. H04M 3/42 (2006.01) H04M 1/725 (2006.01)**
[25] EN
[54] **APPARATUS, DEVICES, METHODS AND COMPUTER PROGRAMS RELATING TO ACTIONABLE OBJECTS**
[54] **APPAREIL, DISPOSITIFS, PROCEDES ET PROGRAMMES INFORMATIQUES RELATIFS A DES OBJETS EXPLOITABLES**
[72] GALLAGHER, RYAN, US
[72] CARBONARO, MARK, US
[71] IOVOX LTD., GB
[71] GALLAGHER, RYAN, US
[71] CARBONARO, MARK, US
[85] 2020-01-09
[86] 2018-07-12 (PCT/US2018/041901)
[87] (WO2019/014499)
[30] US (62/531,970) 2017-07-13

[21] **3,069,530**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **INDUCTION OF NEURAL PROGENITOR CELLS, OLIGODENDROCYTE PROGENITOR CELLS, AND OLIGODENDROCYTES BY STEM CELL DIFFERENTIATION USING LANDMARK TRANSCRIPTION FACTORS**
[54] **INDUCTION DE CELLULES PROGENITRICES NEURALES, DE CELLULES PROGENITRICES D'OLIGODENDROCYTES ET D'OLIGODENDROCYTES PAR DIFFERENCIATION DE CELLULES SOUCHES A L'AIDE DE FACTEURS DE TRANSCRIPTION DE POINTS DE REPERE**
[72] WANG, JIWU, US
[72] NI, YUHUI, US
[72] ZHAO, YUANYUAN, US
[71] ALLELE BIOTECHNOLOGY AND PHARMACEUTICALS, INC., US
[85] 2020-01-09
[86] 2018-07-13 (PCT/US2018/042027)
[87] (WO2019/014553)
[30] US (62/532,246) 2017-07-13

[21] **3,069,531**
[13] A1
[51] **Int.Cl. F24F 11/00 (2018.01) F24F 11/30 (2018.01) F24F 11/50 (2018.01) F24F 11/54 (2018.01) F24F 11/88 (2018.01) F24F 13/20 (2006.01) G01F 1/56 (2006.01) G01F 1/688 (2006.01) G01F 1/69 (2006.01) G05D 23/19 (2006.01)**
[25] EN
[54] **AIRSTREAM SENSOR DEVICES, SYSTEMS AND METHODS**
[54] **DISPOSITIFS DE CAPTEURS DE FLUX D'AIR, SYSTEMES ET PROCEDES**
[72] URBANIAK, MICHAEL J., US
[72] DOUGAN, DAVID S., US
[72] LEWIS, JOHN C., US
[71] EBTRON, INC., US
[85] 2020-01-09
[86] 2018-07-13 (PCT/US2018/042107)
[87] (WO2019/014605)
[30] US (62/532,517) 2017-07-14

[21] **3,069,532**
[13] A1
[51] **Int.Cl. G02F 1/133 (2006.01) G02F 1/1333 (2006.01) G02F 1/1339 (2006.01) B32B 17/10 (2006.01) B60J 3/04 (2006.01) E06B 3/67 (2006.01) E06B 9/24 (2006.01) G02F 1/137 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTION CONFIGURATIONS FOR PRIVACY GLAZING STRUCTURES**
[54] **CONFIGURATIONS DE CONNEXION ELECTRIQUE DE STRUCTURES DE VITRAGE OPAQUE**
[72] BERNER, ERIC, US
[72] BJERGAARD, ERIC, US
[72] BRAUN, TIMOTHY, US
[72] DEMIGLIO, ANDREW, US
[72] PETERS, CHAD, US
[71] CARDINAL IG COMPANY, US
[85] 2020-01-09
[86] 2018-07-13 (PCT/US2018/042120)
[87] (WO2019/014613)
[30] US (62/532,154) 2017-07-13

[21] **3,069,533**
[13] A1
[51] **Int.Cl. A61K 38/26 (2006.01) A61M 5/142 (2006.01) A61P 3/08 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CONGENITAL HYPERINSULINISM**
[54] **METHODES DE TRAITEMENT D'HYPERINSULINISME CONGENITAL**
[72] PRESTRELSKI, STEVEN, US
[72] KINZELL, JOHN, US
[72] NEWSWANGER, BRETT, US
[72] THORNTON, PAUL, US
[72] STRANGE, POUL, US
[72] CUMMINS, MARTY, US
[71] XERIS PHARMACEUTICALS, INC., US
[85] 2020-01-09
[86] 2018-07-14 (PCT/US2018/042197)
[87] (WO2019/014658)
[30] US (62/532,856) 2017-07-14

[21] **3,069,534**
[13] A1
[51] **Int.Cl. G06F 7/00 (2006.01) G06F 12/02 (2006.01)**
[25] EN
[54] **PERFORMING HASH JOINS USING PARALLEL PROCESSING**
[54] **REALISATION DE JOINTURES DE HACHAGE A L'AIDE D'UN TRAITEMENT PARALLELE**
[72] HARDING, EDWARD P., US
[72] RILEY, ADAM D., US
[72] KINGSLEY, CHRISTOPHER H., US
[72] WIESNER, SCOTT, US
[71] ALTERYX, INC., US
[85] 2020-01-09
[86] 2018-07-16 (PCT/US2018/042257)
[87] (WO2019/018271)
[30] US (15/652,131) 2017-07-17

[21] **3,069,535**
[13] A1
[51] **Int.Cl. C10L 5/14 (2006.01) C10L 5/36 (2006.01) C10L 5/44 (2006.01)**
[25] EN
[54] **BIOMASS FUEL PELLETS INCORPORATING WAX COMPOSITIONS**
[54] **PASTILLES DE COMBUSTIBLE DE BIOMASSE INCORPORANT DES COMPOSITIONS DE CIRE**
[72] HOCH, LARRY E., US
[72] AGRAWAL, SARVESH K., US
[72] NADASDI, TODD T., US
[72] SALONI, DANIEL, US
[72] VENDITTI, RICHARD, US
[72] BAKER, CHARLES L., JR., US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2020-01-09
[86] 2018-07-17 (PCT/US2018/042401)
[87] (WO2019/022994)
[30] US (62/538,255) 2017-07-28

[21] **3,069,536**
[13] A1
[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/56 (2006.01) A61B 17/72 (2006.01)**
[25] EN
[54] **METHOD FOR OPTIMIZATION OF ORTHOPEDIC COMPONENT DESIGN**
[54] **PROCEDE D'OPTIMISATION DE LA CONCEPTION D'UN ELEMENT ORTHOPEDIQUE**
[72] SPERLING, JOHN W., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2020-01-09
[86] 2018-07-17 (PCT/US2018/042489)
[87] (WO2019/018397)
[30] US (62/533,203) 2017-07-17

[21] **3,069,537**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DISTRIBUTED EDGE LEARNING**
[54] **PROCEDE ET APPAREIL D'APPRENTISSAGE EMBARQUE REPARTI**
[72] SABRIPOUR, SHERVIN, US
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2020-01-09
[86] 2018-07-17 (PCT/US2018/042528)
[87] (WO2019/027671)
[30] US (15/668,624) 2017-08-03

[21] **3,069,538**
[13] A1
[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/00 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **HOUSING ARRANGEMENTS FOR INFUSION PUMPS**
[54] **AGENCEMENTS DE BOITIER POUR POMPES A PERFUSION**
[72] LACY, CHRISTOPHER ALLEN, US
[72] ADAMS, GRANT A., US
[72] PLAGER, STEVEN, US
[72] KRAUTBAUER, KEVIN, US
[72] SANBORN, JONATHAN, US
[72] MAIERS, MANFRED, US
[72] DOBROVOLNY, WALTER, US
[72] WILKOWSKE, ERIC J., US
[71] SMITHS MEDICAL ASD, INC., US
[85] 2020-01-09
[86] 2018-07-19 (PCT/US2018/042907)
[87] (WO2019/018658)
[30] US (62/534,407) 2017-07-19

[21] **3,069,539**
[13] A1
[51] **Int.Cl. G06F 16/9035 (2019.01) G06F 16/9038 (2019.01) G06F 16/907 (2019.01)**
[25] EN
[54] **ROLE-BASED PERCEPTION FILTER**
[54] **FILTRE DE PERCEPTION A BASE DE ROLES**
[72] SPENGLER, CHARLES, US
[72] JOHNSON, ERIC, US
[72] ZASLOW, BENJAMIN, US
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2020-01-09
[86] 2018-07-20 (PCT/US2018/043013)
[87] (WO2019/027696)
[30] US (15/668,599) 2017-08-03

[21] **3,069,540**
[13] A1
[51] **Int.Cl. A61K 31/167 (2006.01) A61K 31/165 (2006.01) A61P 19/02 (2006.01) A61P 29/02 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF PAIN USING CAPSAICIN**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE LA DOULEUR A L'AIDE DE LA CAPSAICINE**
[72] CAMPBELL, JAMES N., US
[72] HANSON, PETER D., US
[72] MUSSO, GARY F., US
[72] OSTOVIC, DRAZEN, US
[72] STEVENS, RANDALL, US
[71] CENTREXION THERAPEUTICS CORPORATION, US
[85] 2020-01-09
[86] 2018-07-20 (PCT/US2018/043094)
[87] (WO2019/018769)
[30] US (62/535,003) 2017-07-20

[21] **3,069,541**
[13] A1
[51] **Int.Cl. B64G 1/64 (2006.01) B64G 1/00 (2006.01) B64G 1/10 (2006.01) B64G 1/40 (2006.01)**
[25] EN
[54] **SPACECRAFT SERVICING DEVICES AND RELATED ASSEMBLIES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS D'ENTRETIEN D'ENGIN SPATIAL, ENSEMBLES, SYSTEMES ET PROCEDES ASSOCIES**
[72] NICHOLSON, JAMES GARRET, US
[72] TREACHLER, DANIEL CARL, US
[72] ORTIZ, OLIVER BENJAMIN, US
[72] SULLIVAN, ROBERT BRYAN, US
[72] NIEDERSTRASSER, CARLOS GUILLERMO, US
[72] GLOGOWSKI, MICHAEL JOSEPH, US
[72] LLORENS, WILLIAM A., US
[72] CHOW, KENNETH SIU-KIN, US
[72] CIPOLLO, PETER MICHAEL, US
[71] NORTHROP GRUMMAN INNOVATION SYSTEMS, INC., US
[85] 2020-01-09
[86] 2018-07-20 (PCT/US2018/043180)
[87] (WO2019/018819)
[30] US (62/535,747) 2017-07-21

[21] **3,069,542**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12N 9/22 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TARGETED GENOMIC INSERTION**
[54] **PROCEDES ET COMPOSITIONS POUR UNE INSERTION GENOMIQUE CIBLEE**
[72] CHEN, ZHONGYING, US
[72] CHILTON, MARY-DELL, US
[72] DONG, SHUJIE, US
[72] QUE, QIUDENG, US
[72] ZHONG, HENG, US
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2020-01-09
[86] 2018-07-26 (PCT/US2018/043855)
[87] (WO2019/027789)
[30] US (62/541,219) 2017-08-04

[21] **3,069,543**
[13] A1
[51] **Int.Cl. C12N 15/84 (2006.01) C12N 1/20 (2006.01) C12N 1/21 (2006.01) C12N 15/31 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **NOVEL AGROBACTERIUM TUMEFACIENS STRAINS**
[54] **NOUVELLES SOUCHES D'AGROBACTERIUM TUMEFACIENS**
[72] CHEN, ZHONGYING, US
[72] QUE, QIUDENG, US
[72] ROSE, MARK SCOTT, US
[72] ZHONG, HENG, US
[72] CHILTON, MARY-DELL, US
[72] LEVY, ERIC, US
[72] QIN, YINGPING LUCY, US
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2020-01-09
[86] 2018-07-26 (PCT/US2018/043856)
[87] (WO2019/027790)
[30] US (62/541,221) 2017-08-04

[21] **3,069,544**
[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) A61P 35/00 (2006.01) C07C 255/47 (2006.01) C07D 207/16 (2006.01) C07D 213/82 (2006.01) C07D 231/14 (2006.01) C07D 237/24 (2006.01) C07D 239/42 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 411/12 (2006.01) C07D 411/14 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR THE TARGETED DEGRADATION OF ANDROGEN RECEPTOR**
[54] **COMPOSES ET PROCEDES POUR LA DEGRADATION CIBLEE DU RECEPTEUR DES ANDROGENES**
[72] CREW, ANDREW P., US
[72] BERLIN, MICHAEL, US
[72] CHEN, XIN, US
[72] CREWS, CRAIG M., US
[72] DONG, HANQING, US
[72] QIAN, YIMIN, US
[72] SNYDER, LAWRENCE, US
[72] WANG, JING, US
[72] ZIMMERMANN, KURT, US
[71] ARVINAS OPERATIONS, INC., US
[85] 2020-01-09
[86] 2018-07-27 (PCT/US2018/044051)
[87] (WO2019/023553)
[30] US (15/663,273) 2017-07-28

[21] **3,069,545**
[13] A1
[51] **Int.Cl. C01B 3/02 (2006.01) C01B 3/04 (2006.01) C01B 3/38 (2006.01) C01B 13/02 (2006.01) C01C 1/04 (2006.01) C07C 29/151 (2006.01) C25B 1/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE CO-PRODUCTION OF METHANOL AND AMMONIA IN PARALLEL**
[54] **PROCEDE DE COPRODUCTION DE METHANOL ET D'AMMONIAC EN PARALLELE**
[72] HAN, PAT A., DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-01-09
[86] 2018-07-20 (PCT/EP2018/069790)
[87] (WO2019/020520)
[30] DK (PA 2017 00425) 2017-07-25
[30] DK (PA 2017 00522) 2017-09-25
[30] DK (PA 2018 00237) 2018-05-28
[30] DK (PA 2018 00351) 2018-07-06
[30] DK (PA 2018 00345) 2018-07-06
[30] DK (PA 2018 00352) 2018-07-06

[21] **3,069,546**
[13] A1
[51] **Int.Cl. G02F 1/133 (2006.01) B60J 3/04 (2006.01) G02F 1/1334 (2006.01)**
[25] EN
[54] **DEVICE FOR OPERATING FUNCTIONAL ELEMENTS HAVING ELECTRICALLY CONTROLLABLE OPTICAL PROPERTIES**
[54] **DISPOSITIF DE FONCTIONNEMENT D'ELEMENTS FONCTIONNELS PRESENTANT DES PROPRIETES OPTIQUES COMMANDABLES ELECTRIQUEMENT**
[72] MANZ, FLORIAN, DE
[72] WEBER, PATRICK, DE
[72] EFFERTZ, CHRISTIAN, DE
[72] DRAGAS, THORSTEN, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-01-09
[86] 2018-07-10 (PCT/EP2018/068606)
[87] (WO2019/011891)
[30] EP (17180842.1) 2017-07-12

[21] **3,069,547**
[13] A1
[51] **Int.Cl. G01N 21/90 (2006.01) G01N 21/93 (2006.01)**
[25] EN
[54] **INSPECTION DEVICE WITH OPTICAL WATERMARK**
[54] **DISPOSITIF D'INSPECTION UTILISANT UN FILIGRANE OPTIQUE**
[72] HEUFT, BERNHARD, DE
[72] POLSTER, WOLFGANG, DE
[72] UNGER, MICHAEL, DE
[71] HEUFT SYSTEMTECHNIK GMBH, DE
[85] 2020-01-09
[86] 2018-09-06 (PCT/EP2018/074067)
[87] (WO2019/048577)
[30] DE (10 2017 008 383.5) 2017-09-07

[21] **3,069,548**
[13] A1
[51] **Int.Cl. C12P 7/18 (2006.01) C12N 1/36 (2006.01)**
[25] EN
[54] **MICROORGANISM AND METHOD FOR IMPROVED 1,3-PROPANEDIOL PRODUCTION BY FERMENTATION ON A CULTURE MEDIUM WITH HIGH GLYCERINE CONTENT**
[54] **MICRO-ORGANISME ET PROCEDE DE PRODUCTION AMELIOREE DE 1,3-PROPANEDIOL PAR FERMENTATION SUR UN MILIEU DE CULTURE A TENEUR ELEVEE EN GLYCERINE**
[72] RAYNAUD, CELINE, FR
[72] TOURRASSE, OLIVIER, FR
[72] DUMOULIN, NADEGE, FR
[71] METABOLIC EXPLORER, FR
[85] 2020-01-09
[86] 2018-08-03 (PCT/EP2018/071104)
[87] (WO2019/025580)
[30] EP (17306044.3) 2017-08-04

[21] **3,069,549**
[13] A1
[51] **Int.Cl. C08F 8/46 (2006.01) C08F 8/32 (2006.01) C08F 220/18 (2006.01) C10M 133/38 (2006.01) C10M 145/14 (2006.01) C10M 159/12 (2006.01)**
[25] EN
[54] **COMB POLYMERS COMPRISING IMIDE FUNCTIONALITY**
[54] **POLYMERES EN PEIGNE A FONCTIONNALITE IMIDE**
[72] SCHOLLER, KATRIN, DE
[72] HOLTZINGER, JENNIFER, DE
[72] ZIEGLER, FABIAN, DE
[72] SCHIMOSSEK, KLAUS, DE
[72] LAUTERWASSER, FRANK, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-01-09
[86] 2018-07-12 (PCT/EP2018/068908)
[87] (WO2019/012031)
[30] EP (17181337.1) 2017-07-14

[21] **3,069,551**
[13] A1
[51] **Int.Cl. B26D 1/16 (2006.01) B26D 3/16 (2006.01) B26D 5/20 (2006.01) B26D 7/01 (2006.01) B26D 7/06 (2006.01) B26D 7/12 (2006.01) B26D 7/26 (2006.01)**
[25] EN
[54] **CUTTING MACHINE FOR CUTTING ELONGATED PRODUCTS, AND RELATED METHOD**
[54] **MACHINE DE COUPE POUR COUPER DES PRODUITS ALLONGES ET PROCEDE ASSOCIE**
[72] CHIOCCHETTI, MARIO GIONI, IT
[72] MADDALENI, ROMANO, IT
[71] FABIO PERINI S.P.A., IT
[85] 2020-01-09
[86] 2018-07-16 (PCT/IB2018/055230)
[87] (WO2019/016665)
[30] IT (102017000081298) 2017-07-18

[21] **3,069,552**
[13] A1
[51] **Int.Cl. B65G 21/20 (2006.01)**
[25] EN
[54] **TRANSPORTING APPARATUS HAVING A RAILING WITH REINFORCING SEGMENTS**
[54] **DISPOSITIF DE TRANSPORT EQUIPE D'UNE BARRIERE COMPORTANT DES SEGMENTS DE RENFORCEMENT**
[72] AX, HARALD, DE
[72] HEUFT, BERNHARD, DE
[71] HEUFT SYSTEMTECHNIK GMBH, DE
[85] 2020-01-09
[86] 2018-09-06 (PCT/EP2018/074068)
[87] (WO2019/048578)
[30] DE (10 2017 008 387.8) 2017-09-07

[21] **3,069,553**
[13] A1
[51] **Int.Cl. B25B 13/02 (2006.01) B25B 13/04 (2006.01) B25B 13/06 (2006.01) B25B 13/08 (2006.01) B25B 13/58 (2006.01) B25B 23/142 (2006.01)**
[25] EN
[54] **ANTI-SLIP TORQUE TOOL**
[54] **OUTIL DYNAMOMETRIQUE ANTIDERAPANT**
[72] KUKUCKA, PAUL, US
[72] KUKUCKA, THOMAS STEFAN, US
[71] GRIP HOLDINGS LLC, US
[85] 2020-01-09
[86] 2018-07-12 (PCT/IB2018/055172)
[87] (WO2019/012486)
[30] US (62/531,828) 2017-07-12
[30] US (62/639,619) 2018-03-07

[21] **3,069,554**
[13] A1
[51] **Int.Cl. C07D 487/08 (2006.01) A61K 31/529 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **INHIBITORS OF LEUCINE RICH REPEAT KINASE 2**
[54] **INHIBITEURS DE LA KINASE 2 A REPETITION RICHE EN LEUCINE**
[72] DING, XIAO, CN
[72] HO, MING-HSUN, US
[72] REN, FENG, CN
[72] YU, HAIHUA, CN
[72] ZHAN, YANG, CN
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2020-01-09
[86] 2018-07-12 (PCT/EP2018/069051)
[87] (WO2019/012093)
[30] CN (PCT/CN2017/093024) 2017-07-14

[21] **3,069,555**
[13] A1
[51] **Int.Cl. A61K 33/00 (2006.01) A23L 33/16 (2016.01) A61K 9/00 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) C01B 3/08 (2006.01) C01F 5/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PRODUCING HYDROGEN RICH WATER AND OTHER PRODUCTS**
[54] **COMPOSITION POUR PRODUIRE DE L'EAU RICHE EN HYDROGENE ET D'AUTRES PRODUITS**
[72] TARNAVA, ALEXANDER, CA
[72] HOLLAND, RICHARD JAMES, CA
[71] H2 WATER TECHNOLOGIES LTD, CA
[85] 2020-01-09
[86] 2017-07-17 (PCT/IB2017/001067)
[87] (WO2018/011634)
[30] US (62/362,841) 2016-07-15

[21] **3,069,556**
[13] A1
[51] **Int.Cl. A61K 36/23 (2006.01) A61K 36/258 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT AND PREVENTION OF COGNITIVE DECLINE AND PRESERVATION OF NEURONAL FUNCTION**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT ET LA PREVENTION DU DECLIN COGNITIF ET LA PRESERVATION DES FONCTIONS NEURONALES**
[72] WATSON, SHAWN NATHAN, SG
[71] SENESCENCE LIFE SCIENCES PTE. LTD., SG
[85] 2020-01-09
[86] 2018-07-18 (PCT/IB2018/055348)
[87] (WO2019/016731)
[30] US (62/533,926) 2017-07-18

[21] **3,069,557**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) A61K 35/12 (2015.01)**
[25] EN
[54] **ENGINEERED IMMUNE CELLS RESISTANT TO TUMOR MICROOENVIRONMENT**
[54] **CELLULES IMMUNITAIRES MODIFIEES RESISTANTES AU MICRO-ENVIRONNEMENT TUMORAL**
[72] DUCHATEAU, PHILIPPE, FR
[72] GAUTRON, ANNE-SOPHIE, FR
[72] POIROT, LAURENT, FR
[72] VALTON, JULIEN, US
[71] CELLECTIS, FR
[85] 2020-01-09
[86] 2018-07-20 (PCT/EP2018/069734)
[87] (WO2019/016360)
[30] US (62/535,448) 2017-07-21
[30] DK (PA201770603) 2017-08-07

[21] **3,069,558**
[13] A1
[51] **Int.Cl. A61K 31/7064 (2006.01) A61K 31/706 (2006.01) A61P 35/00 (2006.01) C07H 19/067 (2006.01)**
[25] EN
[54] **COMBINATION CANCER THERAPY**
[54] **POLYTHERAPIE ANTICANCEREUSE**
[72] BEN YAKAR, RUTH, IL
[72] GENGRINOVITCH, STELA, IL
[72] TESSLER, SHOSHI, IL
[72] FLAISHON, LIAT, IL
[71] BIOSIGHT LTD., IL
[85] 2020-01-09
[86] 2018-07-09 (PCT/IB2018/000852)
[87] (WO2019/012328)
[30] US (62/530,213) 2017-07-09

[21] **3,069,559**
[13] A1
[51] **Int.Cl. F02C 6/16 (2006.01) F02C 1/02 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **COMPRESSED AIR ENERGY STORAGE POWER GENERATION APPARATUS**
[54] **DISPOSITIF DE GENERATION D'ELECTRICITE A STOCKAGE D'AIR COMPRIME**
[72] MATSUKUMA, MASAKI, JP
[72] NAGAHIRA, AYAKA, JP
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2020-01-09
[86] 2018-07-02 (PCT/JP2018/025030)
[87] (WO2019/026507)
[30] JP (2017-148938) 2017-08-01

[21] **3,069,560**
[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61J 1/14 (2006.01) A61M 11/00 (2006.01) B05B 11/00 (2006.01) B65D 51/16 (2006.01)**
[25] EN
[54] **NEBULIZER AND CONTAINER**
[54] **NEBULISEUR ET RECIPIENT**
[72] WUTTKE, GILBERT, DE
[72] GRAESSL, HERBERT, DE
[72] KLADDERS, HEINRICH, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2020-01-09
[86] 2018-07-23 (PCT/EP2018/069945)
[87] (WO2019/016409)
[30] EP (17020316.0) 2017-07-21
[30] EP (PCT/EP2018/069833) 2018-07-20

[21] **3,069,561**
[13] A1
[51] **Int.Cl. A61K 31/55 (2006.01) A61K 31/519 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMBINATION OF A THIRD GENERATION EGFR TYROSINE KINASE INHIBITOR AND A CYCLIN D KINASE INHIBITOR**
[54] **ASSOCIATION THERAPEUTIQUE D'UN INHIBITEUR DE TYROSINE KINASE D'EGFR DE TROISIEME GENERATION ET D'UN INHIBITEUR DE CYCLINE D KINASE**
[72] MOODY, SUSAN, US
[72] MULFORD, IAIN, US
[72] BARRETINA, JORDI, US
[71] NOVARTIS AG, CH
[85] 2020-01-09
[86] 2018-08-01 (PCT/IB2018/055791)
[87] (WO2019/026006)
[30] US (62/540,594) 2017-08-03

[21] **3,069,562**
[13] A1
[51] **Int.Cl. H01P 3/12 (2006.01) H01L 23/12 (2006.01) H01P 1/04 (2006.01)**
[25] EN
[54] **CIRCUIT BOARD, WIRELESS DEVICE, AND METHOD FOR MANUFACTURING CIRCUIT BOARD**
[54] **CARTE DE CIRCUIT IMPRIME, DISPOSITIF SANS FIL ET PROCEDE DE FABRICATION DE CARTE DE CIRCUIT IMPRIME**
[72] IWATA, KOICHIRO, JP
[71] FUJIKURA LTD., JP
[85] 2020-01-09
[86] 2018-02-23 (PCT/JP2018/006638)
[87] (WO2019/021515)
[30] JP (2017-145052) 2017-07-27

[21] **3,069,563**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 9/50 (2006.01) A61K 31/4439 (2006.01)**
[25] EN
[54] **PREPARATION COMPRISING VONOPRAZAN**
[54] **PREPARATION COMPRENANT DU VONOPRAZAN**
[72] FUJII, HIROYUKI, JP
[72] SUZUKI, AKIRA, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2020-01-09
[86] 2018-07-09 (PCT/JP2018/026416)
[87] (WO2019/013310)
[30] JP (2017-135046) 2017-07-10

[21] **3,069,564**
[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 31/55 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMBINATION OF A THIRD-GENERATION EGFR TYROSINE KINASE INHIBITOR AND A RAF INHIBITOR**
[54] **ASSOCIATION THERAPEUTIQUE D'UN INHIBITEUR DE TYROSINE KINASE D'EGFR DE TROISIEME GENERATION ET D'UN INHIBITEUR DE RAF**
[72] MOODY, SUSAN, US
[72] PETRUZZELLI, LILLI, US
[72] ENGELMAN, JEFFREY, US
[71] NOVARTIS AG, CH
[85] 2020-01-09
[86] 2018-08-01 (PCT/IB2018/055792)
[87] (WO2019/026007)
[30] US (62/540,595) 2017-08-03

[21] **3,069,565**
[13] A1
[51] **Int.Cl. G06Q 20/14 (2012.01) G06Q 20/24 (2012.01)**
[25] EN
[54] **PAYMENT MANAGEMENT SERVER, PROGRAM, AND PAYMENT MANAGEMENT METHOD**
[54] **SERVEUR DE GESTION DE PAIEMENT, PROGRAMME ET PROCEDE DE GESTION DE PAIEMENT**
[72] SHONO, YUSUKE, JP
[71] WARRANTEE INC., JP
[85] 2020-01-09
[86] 2018-03-28 (PCT/JP2018/013016)
[87] (WO2019/012752)
[30] JP (2017-136663) 2017-07-12

[21] **3,069,566**
[13] A1
[51] **Int.Cl. A47C 21/02 (2006.01) A47C 7/38 (2006.01) A47G 9/10 (2006.01)**
[25] EN
[54] **TRAVEL PILLOW WITH ANCHORING FEATURES**
[54] **OREILLER DE VOYAGE DOTE D'ELEMENTS D'ANCRAGE**
[72] STERNLIGHT, DAVID BRET, US
[72] WILKENING, JOHN EDWARD, US
[71] CABEAU, INC., US
[85] 2020-01-07
[86] 2018-03-30 (PCT/US2018/025520)
[87] (WO2019/013844)
[30] US (62/531,278) 2017-07-11
[30] US (62/571,785) 2017-10-12
[30] US (62/574,366) 2017-10-19
[30] US (15/904,400) 2018-02-25

[21] **3,069,567**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 1/00 (2006.01) A61P 31/04 (2006.01) A61P 37/06 (2006.01) C12N 1/20 (2006.01) C12Q 1/02 (2006.01) C12Q 1/68 (2018.01) G01N 33/50 (2006.01)**
[25] EN
[54] **ANTI-BACTERIAL COMPOSITION AGAINST TH1 CELL-INDUCING BACTERIA**
[54] **COMPOSITION ANTIBACTERIENNE CONTRE LES BACTERIES INDUISANT LES CELLULES TH1**
[72] HONDA, KENYA, JP
[72] ATARASHI, KOJI, JP
[72] NARUSHIMA, SEIKO, JP
[72] SUDA, WATARU, JP
[72] HATTORI, MASAHIRA, JP
[72] FURUICHI, MUNEHIRO, JP
[72] KAWAGUCHI, TAKAAKI, JP
[72] MITOBE, KEIKO, JP
[71] KEIO UNIVERSITY, JP
[85] 2020-01-09
[86] 2018-07-18 (PCT/JP2018/026922)
[87] (WO2019/017389)
[30] US (62/533844) 2017-07-18

[21] **3,069,568**
[13] A1
[51] **Int.Cl. G06F 40/20 (2020.01) G06N 20/00 (2019.01) G06F 40/35 (2020.01) G06N 3/08 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **AUTOMATED RESPONSE SERVER DEVICE, TERMINAL DEVICE, RESPONSE SYSTEM, RESPONSE METHOD, AND PROGRAM**
[54] **DISPOSITIF SERVEUR DE REPONSE AUTOMATISEE, DISPOSITIF TERMINAL, SYSTEME DE REPONSE, PROCEDE DE REPONSE ET PROGRAMME**
[72] KIM, MINSU, JP
[71] JE INTERNATIONAL CORPORATION, JP
[85] 2020-01-09
[86] 2018-06-07 (PCT/JP2018/021857)
[87] (WO2019/012872)
[30] JP (2017-138423) 2017-07-14

[21] **3,069,569**
[13] A1
[51] **Int.Cl. G09B 23/28 (2006.01)**
[25] EN
[54] **PERIPHERAL CONTROL DEVICE FOR SIMULATING ENDOSCOPY PROCEDURES**
[54] **DISPOSITIF DE COMMANDE PERIPHERIQUE POUR SIMULER DES PROCEDURES ENDOSCOPIQUES**
[72] CENNAMO, VINCENZO, IT
[71] CENNAMO, VINCENZO, IT
[85] 2020-01-09
[86] 2018-08-06 (PCT/IB2018/055893)
[87] (WO2019/030640)
[30] IT (102017000091381) 2017-08-07

[21] **3,069,570**
[13] A1
[51] **Int.Cl. C07K 14/00 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **TYROSINASE ANTISENSE OLIGONUCLEOTIDES**
[54] **OLIGONUCLEOTIDES ANTISENS DE LA TYROSINASE**
[72] JUNG, DARAM, KR
[72] PARK, HYE MI, KR
[72] HAN, SEON-YOUNG, KR
[72] KIM, SOYOUNG, KR
[71] OLIPASS CORPORATION, KR
[85] 2020-01-09
[86] 2018-07-19 (PCT/KR2018/008143)
[87] (WO2019/022434)
[30] KR (10-2017-0093605) 2017-07-24
[30] KR (10-2017-0167558) 2017-12-07

[21] **3,069,571**
[13] A1
[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/074 (2010.01)**
[25] EN
[54] **IMMORTALIZED SWEAT GLAND MYOEPITHELIAL CELL**
[54] **CELLULE MYOEPITHELIALE IMMORTALISEE DE GLANDES SUDORIPARES**
[72] HAYAKAWA, TOMOHISA, JP
[72] KURATA, RYUICHIRO, JP
[72] FUJITA, FUMITAKA, JP
[72] OKADA, FUMIHIRO, JP
[72] SEKIGUCHI, KIYOTOSHI, JP
[71] MANDOM CORPORATION, JP
[85] 2020-01-09
[86] 2018-08-07 (PCT/JP2018/029594)
[87] (WO2019/031500)
[30] JP (2017-154503) 2017-08-09

[21] **3,069,572**
[13] A1
[51] **Int.Cl. E02F 3/85 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **CONTROL SYSTEM FOR WORK MACHINE, METHOD, AND WORK MACHINE**
[54] **PROCEDE, SYSTEME DE COMMANDE D'ENGIN DE CHANTIER ET ENGIN DE CHANTIER**
[72] TAKAOKA, YUKIHISA, JP
[72] KURE, KAZUKI, JP
[71] KOMATSU LTD., JP
[85] 2020-01-09
[86] 2018-11-22 (PCT/JP2018/043226)
[87] (WO2019/116855)
[30] JP (2017-239774) 2017-12-14

[21] **3,069,573**
[13] A1
[51] **Int.Cl. B65D 90/02 (2019.01) B65D 88/06 (2006.01) B65D 88/12 (2006.01)**
[25] EN
[54] **QUASI-CYLINDRICAL CARGO CONTAINER AND CONSTRUCTION**
[54] **CONTENEUR QUASI-CYLINDRIQUE ET CONSTRUCTION**
[72] KLOEPFER, MICHAEL, CA
[71] TITAN TRAILERS INC., CA
[85] 2020-01-10
[86] 2018-06-15 (PCT/CA2018/050730)
[87] (WO2019/056089)
[30] US (62/562,001) 2017-09-22
[30] CA (PCT/CA2017/051544) 2017-12-19

[21] **3,069,574**
[13] A1
[51] **Int.Cl. E04B 1/348 (2006.01) E04B 9/06 (2006.01) E04C 3/07 (2006.01) E04C 3/04 (2006.01)**
[25] EN
[54] **FRAME, BASIC FRAMEWORK, MODULE, PROFILE AND SET OF STRUCTURAL ELEMENTS FOR MODULAR CONSTRUCTION AND A MODULAR-CONSTRUCTION BUILDING**
[54] **OSSATURE, CHARPENTE, PROFILE ET ENSEMBLE D'ELEMENTS STRUCTURAUX POUR CONSTRUCTION MODULAIRE ET BATIMENT DE CONSTRUCTION MODULAIRE**
[72] BINDER, JOACHIM, DE
[71] KNAUF GIPS KG, DE
[85] 2020-01-10
[86] 2017-08-18 (PCT/EP2017/000997)
[87] (WO2019/034224)

[21] **3,069,575**
[13] A1
[51] **Int.Cl. B01J 21/18 (2006.01) C01B 32/00 (2017.01) B01J 27/24 (2006.01) B01J 35/10 (2006.01) H01M 4/90 (2006.01) H01M 8/10 (2016.01) H01M 8/18 (2006.01)**
[25] EN
[54] **CARBON CATALYST, BATTERY ELECTRODE, AND BATTERY**
[54] **CATALYSEUR CARBONE, ELECTRODE DE BATTERIE, ET BATTERIE**
[72] SATO, TETSUTARO, JP
[72] KUBOTA, YUJI, JP
[72] KISHIMOTO, TAKEAKI, JP
[72] NARIZUKA, KUMI, JP
[72] KAMATA, KOJI, JP
[72] KOBAYASHI, YOSHIKAZU, JP
[71] NISSHINBO HOLDINGS INC., JP
[85] 2020-01-09
[86] 2018-07-03 (PCT/JP2018/025250)
[87] (WO2019/013052)
[30] JP (2017-137458) 2017-07-13

[21] **3,069,577**
[13] A1
[51] **Int.Cl. H05K 7/14 (2006.01) H01R 24/60 (2011.01) H02J 50/10 (2016.01) B62H 3/00 (2006.01) B62H 5/14 (2006.01) E05B 71/00 (2006.01) H01R 13/193 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURING, RECHARGING AND OPERATING AN ELECTRIC BICYCLE**
[54] **SYSTEME ET PROCEDE POUR FIXER, RECHARGER ET FAIRE FONCTIONNER UNE BICYCLETTE ELECTRIQUE**
[72] SAINT-GERMAIN, DAVID, CA
[72] BOSSAN, SEBASTIEN, CA
[72] LEVESQUE, DANIEL, CA
[72] ST-JACQUES, ALAIN, CA
[72] BELANGER, MARIO, CA
[71] PBSC URBAN SOLUTIONS INC., CA
[85] 2020-01-10
[86] 2018-07-13 (PCT/CA2018/050855)
[87] (WO2019/010582)
[30] US (62/532,434) 2017-07-14

[21] **3,069,578**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) A61F 5/01 (2006.01)**
[25] EN
[54] **METHOD FOR ADJUSTING ORTHOSIS**
[54] **METHODE DE REGLAGE D'UNE ORTHESE**
[72] ZHENG, YONGPING, CN
[72] MAK, TAKMAN, CN
[71] TELEFIELD MEDICAL IMAGING LIMITED, CN
[85] 2020-01-10
[86] 2018-07-03 (PCT/CN2018/094307)
[87] (WO2019/011157)
[30] CN (201710563308.0) 2017-07-11

[21] **3,069,579**
[13] A1
[51] **Int.Cl. H04N 19/124 (2014.01)**
[25] EN
[54] **ENCODER, ENCODING METHOD, DECODER, AND DECODING METHOD**
[54] **DISPOSITIF DE CODAGE, PROCEDE DE CODAGE, DISPOSITIF DE DECODAGE ET PROCEDE DE DECODAGE**
[72] OHKAWA, MASATO, JP
[72] SAITOU, HIDEO, JP
[72] TOMA, TADAMASA, JP
[72] NISHI, TAKAHIRO, JP
[72] ABE, KIYOFUMI, JP
[72] KANOH, RYUICHI, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2020-01-09
[86] 2018-07-11 (PCT/JP2018/026113)
[87] (WO2019/013235)
[30] US (62/532,050) 2017-07-13

[21] **3,069,580**
[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01) C12Q 1/6858 (2018.01) C12Q 1/686 (2018.01) C12N 15/54 (2006.01)**
[25] EN
[54] **DNA POLYMERASE WITH INCREASED GENE MUTATION SPECIFICITY AND PCR BUFFER COMPOSITION FOR INCREASING ACTIVITY THEREOF**
[54] **ADN POLYMERASE PRESENTANT UNE SPECIFICITE DE MUTATION GENIQUE ACCRUE ET COMPOSITION TAMPON DE PCR PERMETTANT D'ACCROITRE L'ACTIVITE DE LADITE ADN POLYMERASE**
[72] LEE, BYUNG CHUL, KR
[72] PARK, IL HYUN, KR
[72] LEE, HUY HO, KR
[71] GENECAST CO., LTD., KR
[85] 2020-01-09
[86] 2018-05-31 (PCT/KR2018/006246)
[87] (WO2019/013451)
[30] KR (10-2017-0088373) 2017-07-12
[30] KR (10-2017-0088376) 2017-07-12

[21] **3,069,581**
[13] A1
[51] **Int.Cl. G06F 16/903 (2019.01) E21B 47/26 (2012.01) E21B 47/14 (2006.01) F17D 5/06 (2006.01) G01B 9/02 (2006.01) G01D 9/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROVIDING ACCESS TO INTERFEROMETRIC SYSTEM DATA**
[54] **PROCEDES ET SYSTEMES DE FOURNITURE D'ACCES A DES DONNEES DE SYSTEME INTERFEROMETRIQUES**
[72] ADEYEMI, ADEKUNLE, CA
[72] JALILIAN, SEYED EHSAN, CA
[71] HIFI ENGINEERING INC., CA
[85] 2020-01-10
[86] 2018-07-27 (PCT/CA2018/050920)
[87] (WO2019/018947)
[30] US (62/538,573) 2017-07-28

[21] **3,069,583**
[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/24 (2006.01) A61M 5/50 (2006.01)**
[25] EN
[54] **INJECTION DEVICE WITH FLEXIBLE DOSE SELECTION**
[54] **DISPOSITIF D'INJECTION AVEC CHOIX DE LA DOSE FLEXIBLE**
[72] KEITEL, JOACHIM, DE
[71] HASELMEIER AG, CH
[85] 2020-01-10
[86] 2017-09-25 (PCT/EP2017/001140)
[87] (WO2019/011394)
[30] US (15/649,287) 2017-07-13

[21] **3,069,584**
[13] A1
[51] **Int.Cl. H01R 13/639 (2006.01) H01R 13/658 (2011.01) H01R 13/66 (2006.01)**
[25] EN
[54] **POWER LINE AND HOME APPLIANCE PROVIDED WITH SAME**
[54] **LIGNE ELECTRIQUE ET APPAREIL DOMESTIQUE LA COMPORTANT**
[72] TIAN, YUN, CN
[72] HUANG, PEILIN, CN
[72] JIN, GUANGHAI, CN
[72] HU, QIONG, CN
[71] GUANGDONG MIDEA KITCHEN APPLIANCES MANUFACTURING CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2020-01-10
[86] 2017-12-28 (PCT/CN2017/119512)
[87] (WO2019/061917)
[30] CN (201710915303.X) 2017-09-30

[21] **3,069,585**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01)**
[25] EN
[54] **IMAGING METHOD FOR OBTAINING HUMAN SKELETON**
[54] **PROCEDE D'IMAGERIE PERMETTANT D'OBTENIR LE SQUELETTE HUMAIN**
[72] ZHENG, YONGPING, CN
[71] TELEFIELD MEDICAL IMAGING LIMITED, CN
[85] 2020-01-10
[86] 2018-07-03 (PCT/CN2018/094310)
[87] (WO2019/011159)
[30] CN (201710563512.2) 2017-07-11

[21] **3,069,586**
[13] A1
[51] **Int.Cl. C07H 19/213 (2006.01) A61K 31/7084 (2006.01) A61K 31/7088 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 19/00 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 31/00 (2006.01) A61P 33/00 (2006.01) A61P 37/00 (2006.01) C07H 19/23 (2006.01) C07H 21/00 (2006.01)**
[25] EN
[54] **NEW EQUATORIALLY MODIFIED POLYMER LINKED MULTIMERS OF GUANOSINE-3', 5'-CYCLIC MONOPHOSPHATES**
[54] **NOUVEAUX MULTIMERES LIES A UN POLYMERE MODIFIE EQUATORIELLEMENT DES MONOPHOSPHATES DE GUANOSINE-3', 5'-CYCLIQUE**
[72] GENIESER, HANS-GOTTFRIED, DE
[72] SCHWEDE, FRANK, DE
[72] RENTSCH, ANDREAS, DE
[72] EKSTROM, PER, SE
[72] PAQUET-DURAND, FRANCOIS, DE
[72] MARIGO, VALERIA, IT
[71] MIRECA MEDICINES GMBH, DE
[85] 2020-01-10
[86] 2017-06-29 (PCT/EP2017/066113)
[87] (WO2018/010965)
[30] EP (16178924.3) 2016-07-11

[21] **3,069,587**
[13] A1
[51] **Int.Cl. G06K 19/06 (2006.01)**
[25] EN
[54] **TWO-DIMENSIONAL CODE ERROR CORRECTION DECODING**
[54] **DECODAGE DE CORRECTION D'ERREUR DE CODE BIDIMENSIONNEL**
[72] YANG, CHONGLING, CN
[71] 10353744 CANADA LTD., CA
[85] 2020-01-10
[86] 2017-12-29 (PCT/CN2017/119723)
[87] (WO2019/056644)
[30] CN (201710857442.1) 2017-09-21

[21] **3,069,588**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G06T 7/269 (2017.01) G06K 9/62 (2006.01)**
[25] EN
[54] **VIDEO FRAME PROCESSING FOR MOTION COMPARISON**
[54] **TRAITEMENT D'IMAGES VIDEO POUR COMPARAISON DE MOUVEMENT**
[72] ROSSON, PAUL ANDREW, GB
[71] PRAAKTIS LIMITED, GB
[85] 2020-01-10
[86] 2017-07-13 (PCT/EP2017/067717)
[87] (WO2018/108333)

[21] **3,069,589**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01)**
[25] EN
[54] **HANDHELD THREE-DIMENSIONAL ULTRASOUND IMAGING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'IMAGERIE A ULTRASONS TRIDIMENSIONNELS PORTABLES**
[72] ZHENG, YONGPING, CN
[71] TELEFIELD MEDICAL IMAGING LIMITED, CN
[85] 2020-01-10
[86] 2018-07-03 (PCT/CN2018/094306)
[87] (WO2019/011156)
[30] CN (201710560949.0) 2017-07-11

[21] **3,069,590**
[13] A1
[51] **Int.Cl. G06T 15/20 (2011.01)**
[25] EN
[54] **THREE-DIMENSIONAL ULTRASOUND IMAGE DISPLAY METHOD**
[54] **PROCEDE D'AFFICHAGE D'IMAGE ULTRASONORE TRIDIMENSIONNELLE**
[72] ZHENG, YONGPING, CN
[72] MENG, QIANG, CN
[71] TELEFIELD MEDICAL IMAGING LIMITED, CN
[85] 2020-01-10
[86] 2018-07-03 (PCT/CN2018/094311)
[87] (WO2019/011160)
[30] CN (201710559995.9) 2017-07-11

[21] **3,069,591**
[13] A1
[51] **Int.Cl. B66C 1/10 (2006.01) B66C 1/62 (2006.01)**
[25] EN
[54] **LOAD HANDLING EQUIPMENT**
[54] **EQUIPEMENT DE DEPLACEMENT DE CHARGE**
[72] DE LIMA, SERGIO LUIZ, BR
[72] RIBEIRO, AGOSTINI, BR
[71] PORTOCEL - TERMINAL ESPECIALIZADO DE BARRA DO RIACHO S.A., BR
[71] FORTEMAR NAVEGACAO LTDA., BR
[85] 2020-01-10
[86] 2018-07-10 (PCT/BR2018/050233)
[87] (WO2019/010556)
[30] US (62/530,562) 2017-07-10

[21] **3,069,592**
[13] A1
[51] **Int.Cl. B07B 1/46 (2006.01)**
[25] EN
[54] **SCREEN SEGMENT COMPRISING WEAR-RESISTANT ELEMENTS**
[54] **SEGMENT DE CRIBLAGE MUNI D'ELEMENTS DE PROTECTION CONTRE L'USURE**
[72] IRMAK, BARIS, DE
[72] EVERMANN, DANIEL, DE
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE
[71] THYSSENKRUPP AG, DE
[85] 2020-01-10
[86] 2018-07-12 (PCT/EP2018/068933)
[87] (WO2019/012039)
[30] DE (10 2017 211 958.6) 2017-07-12

[21] **3,069,593**
[13] A1
[51] **Int.Cl. A61L 2/00 (2006.01) B01F 5/06 (2006.01) C07K 1/36 (2006.01) C12N 7/06 (2006.01)**
[25] EN
[54] **METHOD FOR INCUBATING LIQUIDS AND INACTIVATING VIRUSES**
[54] **PROCEDE D'INCUBATION DE LIQUIDES ET D'INACTIVATION DE VIRUS**
[72] HAMMERSCHMIDT, NIKOLAUS, AT
[72] SENCAR, JURE, AT
[72] JUNGBAUER, ALOIS, AT
[72] MARTINS, DUARTE LIMA, AT
[71] BAXALTA INCORPORATED, US
[71] BAXALTA GMBH, CH
[85] 2020-01-10
[86] 2018-07-10 (PCT/EP2018/068628)
[87] (WO2019/011900)
[30] EP (17180477.6) 2017-07-10
[30] EP (18154196.2) 2018-01-30

[21] **3,069,594**
[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **MEDIA CONTENT-BASED ADAPTIVE METHOD, DEVICE AND SYSTEM FOR FEC CODING AND DECODING OF SYSTEMATIC CODE, AND MEDIUM**
[54] **PROCEDE, DISPOSITIF, ET SYSTEME ADAPTATIFS BASES SUR UN CONTENU MULTIMEDIA POUR LE CODAGE ET LE DECODAGE FEC D'UN CODE SYSTEMATIQUE, ET SUPPORT**
[72] XU, YILING, CN
[72] ZHANG, WENJUN, CN
[72] LIU, NING, CN
[72] GUAN, YUNFENG, CN
[72] WANG, YANFENG, CN
[72] SUN, JUN, CN
[72] JIANG, ZHIQIAN, CN
[72] CHEN, HAO, CN
[71] SHANGHAI JIAO TONG UNIVERSITY, CN
[85] 2020-01-10
[86] 2018-07-09 (PCT/CN2018/095051)
[87] (WO2019/011219)
[30] CN (201710561850.2) 2017-07-11
[30] CN (201710973473.3) 2017-10-18

[21] **3,069,595**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 47/10 (2017.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **BIOADHESIVE PLATFORM TO PERFORM BIOACTIVE TREATMENT**
[54] **PLATEFORME BIOADHESIVE POUR UN TRAITEMENT BIOACTIF.**
[72] LORENZO-ZUNIGA GARCIA, VICENTE MARIA, ES
[72] BARTOLI SOLE, RAMON, ES
[72] BOIX VALVERDE, JAUME, ES
[71] FUNDACIO INSTITUT D'INVESTIGACIO EN CIENCIES DE LA SALUT GERMANS TRIAS PUJOL, ES
[71] CONSORCIO CENTRO DE INVESTIGACION BIOMEDICA EN RED, M.P., ES
[85] 2020-01-10
[86] 2017-07-26 (PCT/EP2017/068876)
[87] (WO2018/019881)
[30] EP (16382365.1) 2016-07-27

[21] **3,069,596**
[13] A1
[51] **Int.Cl. H04N 5/28 (2006.01) H04H 20/04 (2009.01) H04N 21/2187 (2011.01) H04N 21/2668 (2011.01) H04N 19/146 (2014.01) H04N 5/262 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SELECTIVE CONTENT PROCESSING BASED ON A PANORAMIC CAMERA AND A VIRTUAL-REALITY HEADSET**
[54] **PROCEDE ET SYSTEME PERMETTANT UN TRAITEMENT DE CONTENU SELECTIF BASE SUR UNE CAMERA PANORAMIQUE ET UN CASQUE D'ECOUTE DE REALITE VIRTUELLE**
[72] MAYRAND, JEAN, CA
[71] VANTRIX CORPORATION, CA
[85] 2020-01-10
[86] 2017-03-08 (PCT/CA2017/000045)
[87] (WO2018/010004)
[30] US (62/361,627) 2016-07-13
[30] US (15/259,962) 2016-09-08
[30] US (15/340,193) 2016-11-01
[30] US (15/452,841) 2017-03-08

[21] **3,069,597**
[13] A1
[51] **Int.Cl. G06F 21/30 (2013.01)**
[25] EN
[54] **METHOD FOR AUTHORIZING FIELD VALUE OF FORM FIELD BY MEANS OF THIRD PARTY FIELD**
[54] **PROCEDE POUR AUTORISER UNE VALEUR DE CHAMP D'UN CHAMP DE FORMULAIRE AU MOYEN D'UN CHAMP DE TIERCE PARTIE**
[72] CHEN, DAZHI, CN
[71] CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2020-01-10
[86] 2018-07-10 (PCT/CN2018/095204)
[87] (WO2019/011255)
[30] CN (201710562793.X) 2017-07-11

[21] **3,069,598**
[13] A1
[51] **Int.Cl. A61B 8/08 (2006.01)**
[25] EN
[54] **METHOD FOR DETECTING SPINAL DEFORMITY USING THREE-DIMENSIONAL ULTRASOUND IMAGING**
[54] **PROCEDE DE DETECTION DE DEFORMATION SPINALE A L'AIDE DE L'IMAGERIE ULTRASONORE TRIDIMENSIONNELLE**
[72] ZHENG, YONGPING, CN
[71] TELEFIELD MEDICAL IMAGING LIMITED, CN
[85] 2020-01-10
[86] 2018-07-03 (PCT/CN2018/094308)
[87] (WO2019/011158)
[30] CN (201710563513.7) 2017-07-11

[21] **3,069,600**
[13] A1
[51] **Int.Cl. C12M 1/33 (2006.01) C12M 1/00 (2006.01)**
[25] FR
[54] **TISSUE MECHANICAL FRAGMENTATION DEVICE INTENDED FOR THE PREPARATION OF A COMPOSITION OF ISOLATED CELLS, AND CORRESPONDING METHOD**
[54] **DISPOSITIF DE FRAGMENTATION MECANIQUE DE TISSUS DESTINE A LA PREPARATION D'UNE COMPOSITION DE CELLULES ISOLEES, PROCEDE CORRESPONDANT**
[72] ROCHE, REGIS, FR
[72] FESTY, FRANCK, FR
[71] STEMCIS, FR
[85] 2020-01-10
[86] 2018-07-12 (PCT/FR2018/051763)
[87] (WO2019/012231)
[30] FR (1756643) 2017-07-12

[21] **3,069,601**
[13] A1
[51] **Int.Cl. G06F 3/0482 (2013.01) G06F 21/30 (2013.01)**
[25] EN
[54] **ROLE ACQUISITION-BASED METHOD FOR AUTHORIZING FORM DATA**
[54] **PROCEDE BASE SUR L'ACQUISITION DE ROLES POUR AUTORISER DES DONNEES DE FORMULAIRE**
[72] CHEN, DAZHI, CN
[71] CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2020-01-10
[86] 2018-07-12 (PCT/CN2018/095513)
[87] (WO2019/011304)
[30] CN (201710571694.8) 2017-07-13

[21] **3,069,602**
[13] A1
[51] **Int.Cl. C07D 213/75 (2006.01) A61K 31/444 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 213/04 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **FORMYLPYRIDINE DERIVATIVE HAVING FGFR4 INHIBITORY ACTIVITY, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **DERIVE DE FORMYLPYRIDINE AYANT UNE ACTIVITE INHIBITRICE DE FGFR4, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] DENG, HAIBING, CN
[72] YANG, FEI, CN
[72] YU, HONGPING, CN
[72] CHEN, ZHUI, CN
[72] XU, YAOCHANG, CN
[71] ABBISKO THERAPEUTICS CO., LTD., CN
[85] 2020-01-10
[86] 2018-08-01 (PCT/CN2018/098078)
[87] (WO2019/024876)
[30] CN (201710661244.8) 2017-08-04

[21] **3,069,603**
[13] A1
[51] **Int.Cl. F24F 13/02 (2006.01)**
[25] EN
[54] **REINFORCING ASSEMBLY FOR AIR DUCTS AND AIR DUCT SYSTEM**
[54] **ENSEMBLE DE RENFORT POUR CONDUITES D'AIR ET SYSTEME DE CONDUITES D'AIR**
[72] PRIHODA, ZDENEK, CZ
[71] PRIHODA S.R.O., CZ
[85] 2020-01-10
[86] 2018-07-18 (PCT/CZ2018/050040)
[87] (WO2019/015705)
[30] CZ (PV 2017-416) 2017-07-18

[21] **3,069,604**
[13] A1
[51] **Int.Cl. C07H 15/24 (2006.01) A61K 31/704 (2006.01) C07H 15/256 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **NOVEL USES OF A SAPONIN AND METHOD FOR ITS ISOLATION**
[54] **NOUVELLES UTILISATIONS D'UNE SAPONINE ET PROCEDE POUR SON ISOLEMENT**
[72] WENG, ALEXANDER, DE
[72] MELZIG, MATTHIAS F., DE
[72] SAMA, SIMKO, DE
[71] FREIE UNIVERSITAT BERLIN, DE
[85] 2020-01-10
[86] 2018-07-10 (PCT/EP2018/068663)
[87] (WO2019/011914)

[21] **3,069,605**
[13] A1
[51] **Int.Cl. B65D 77/04 (2006.01)**
[25] EN
[54] **PALLET CONTAINER**
[54] **CONTENEUR PALETTE**
[72] WEYRAUCH, DETLEV, DE
[71] MAUSER-WERKE GMBH, DE
[85] 2020-01-10
[86] 2018-07-13 (PCT/EP2018/000356)
[87] (WO2019/011468)
[30] DE (10 2017 006 653.1) 2017-07-13

[21] **3,069,606**
[13] A1
[51] **Int.Cl. G01K 3/04 (2006.01) G04F 13/04 (2006.01)**
[25] EN
[54] **TIME TEMPERATURE INDICATOR LABEL**
[54] **ETIQUETTE INDICATEUR TEMPS/TEMPERATURE**
[72] ROBINSON, JOHN, GB
[72] WINTERSGILL, STEPHEN, GB
[72] HANCOCK, ANDY, GB
[72] MARANESI, BRUNELLA, GB
[72] PEACOCK, MARTIN, GB
[72] AKBAR, SARAH, GB
[71] INTRAY LTD, GB
[85] 2020-01-10
[86] 2018-07-10 (PCT/GB2018/051950)
[87] (WO2019/012264)
[30] GB (PCT/GB2017/052033) 2017-07-11
[30] GB (1800698.1) 2018-01-16

[21] **3,069,607**
[13] A1
[51] **Int.Cl. C23C 14/06 (2006.01) H01M 8/021 (2016.01) H01M 8/0228 (2016.01) C25B 11/04 (2006.01) H01M 8/1018 (2016.01)**
[25] EN
[54] **COATING AND LAYER SYSTEM, AND BIPOLAR PLATE, FUEL CELL AND ELECTROLYSER**
[54] **REVETEMENT ET SYSTEME DE COUCHES, AINSI QUE PLAQUE BIPOLAIRE, PILE A COMBUSTIBLE ET ELECTROLYSEUR**
[72] DOBRENIZKI, LADISLAUS, DE
[72] MUSAYEV, YASHAR, DE
[72] HOSENFELDT, TIM, DE
[72] REPENNING, DETLEV, DE
[71] SCHAEFFLER TECHNOLOGIES AG & CO. KG, DE
[85] 2020-01-10
[86] 2018-06-11 (PCT/DE2018/100551)
[87] (WO2019/029762)
[30] DE (10 2017 118 319.1) 2017-08-11

[21] **3,069,608**
[13] A1
[51] **Int.Cl. F16B 13/08 (2006.01) A47K 13/26 (2006.01)**
[25] EN
[54] **ENGAGEMENT APPARATUS**
[54] **APPAREIL DE MISE EN PRISE**
[72] DELANEY, PAUL, GB
[71] CASSELLIE LTD, GB
[85] 2020-01-10
[86] 2018-07-11 (PCT/GB2018/051973)
[87] (WO2019/012277)
[30] GB (1711256.6) 2017-07-13
[30] GB (1717782.5) 2017-10-30
[30] GB (1801654.3) 2018-02-01
[30] GB (1711143.6) 2017-07-11

[21] **3,069,609**
[13] A1
[51] **Int.Cl. F02C 7/22 (2006.01) F02C 9/26 (2006.01)**
[25] FR
[54] **FUEL METERING CIRCUIT AND METHOD WITH COMPENSATION FOR FUEL-DENSITY VARIABILITY**
[54] **CIRCUIT ET PROCEDE DE DOSAGE DE CARBURANT A COMPENSATION DE VARIABILITE DE LA DENSITE DU CARBURANT**
[72] PORA, LOIC, FR
[72] JOUDAREFF, ARNAUD BERNARD CLEMENT THOMAS, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2020-01-10
[86] 2018-07-13 (PCT/FR2018/051778)
[87] (WO2019/012238)
[30] FR (1756706) 2017-07-13

[21] **3,069,610**
[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01)**
[25] EN
[54] **IMPROVED DUAL SPECIFICITY POLYPEPTIDE MOLECULE**
[54] **MOLECULE POLYPEPTIDIQUE A DOUBLE SPECIFICITE AMELIOREE**
[72] HOFMANN, MARTIN, DE
[72] UNVERDORBEN, FELIX, DE
[72] BUNK, SEBASTIAN, DE
[72] MAURER, DOMINIK, DE
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
[85] 2020-01-10
[86] 2018-07-13 (PCT/EP2018/069151)
[87] (WO2019/012138)
[30] DE (10 2017 115 966.5) 2017-07-14
[30] US (62/532,713) 2017-07-14
[30] DE (10 2017 119 866.0) 2017-08-30
[30] DE (10 2018 108 995.3) 2018-04-16
[30] US (62/658,318) 2018-04-16

[21] **3,069,611**
[13] A1
[51] **Int.Cl. G01R 33/48 (2006.01) G01R 33/485 (2006.01) G01R 33/50 (2006.01) G01R 33/56 (2006.01)**
[25] EN
[54] **MRI METHOD FOR CALCULATING A PROTON DENSITY FAT FRACTION**
[54] **PROCEDE IRM POUR CALCULER UNE FRACTION DE GRAISSE EN DENSITE DE PROTONS**
[72] DAHLQVIST LEINHARD, OLOF, SE
[71] AMRA MEDICAL AB, SE
[85] 2020-01-10
[86] 2018-02-23 (PCT/EP2018/054488)
[87] (WO2019/015810)
[30] EP (17181641.6) 2017-07-17

[21] **3,069,612**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) G16H 30/40 (2018.01) G06T 7/00 (2017.01)**
[25] EN
[54] **A RADIOMICS-BASED IMAGING TOOL TO MONITOR TUMOR-LYMPHOCYTE INFILTRATION AND OUTCOME IN CANCER PATIENTS TREATED BY ANTI-PD-1/PD-L1**
[54] **OUTIL D'IMAGERIE BASEE SUR LA RADIOMIQUE POUR SURVEILLER L'INFILTRATION ET DE LYMPHOCYTES TUMORAUX ET LE RESULTAT CHEZ DES PATIENTS CANCEREUX TRAITES PAR AGENTS ANTI-PD-1/PD-L1**
[72] FERTE, CHARLES, US
[72] LIMKIN, ELAINE JOHANNA, FR
[72] SUN, ROGER, FR
[72] DEUTSCH, ERIC, FR
[71] INSTITUT GUSTAVE-ROUSSY, FR
[85] 2020-01-10
[86] 2018-07-13 (PCT/EP2018/069169)
[87] (WO2019/012147)
[30] US (62/532,139) 2017-07-13
[30] EP (18305680.3) 2018-06-01

[21] **3,069,613**
[13] A1
[51] **Int.Cl. H04L 27/26 (2006.01)**
[25] EN
[54] **TRANSMITTING APPARATUS, RECEIVING APPARATUS AND RADIO COMMUNICATION METHOD**
[54] **DISPOSITIF DE TRANSMISSION, DISPOSITIF DE RECEPTION ET PROCEDE DE COMMUNICATION RADIO**
[72] TAKEDA, KAZUKI, JP
[72] SAITO, KEISUKE, JP
[72] TAKEDA, KAZUAKI, JP
[72] NAGATA, SATOSHI, JP
[72] WANG, LIHUI, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
[85] 2020-01-28
[86] 2017-07-13 (PCT/JP2017/025612)
[87] (WO2019/012669)

[21] **3,069,614**
[13] A1
[51] **Int.Cl. C01B 3/38 (2006.01) C01B 13/02 (2006.01) C07C 29/151 (2006.01) C25B 1/04 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF SYNTHESIS GAS**
[54] **METHODE DE PREPARATION D'UN GAZ DE SYNTHESE**
[72] AASBERG-PETERSEN, KIM, DK
[72] HAN, PAT A., DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-01-10
[86] 2018-07-20 (PCT/EP2018/069776)
[87] (WO2019/020513)
[30] DK (PA 2017 00425) 2017-07-25
[30] DK (PA 2017 00522) 2017-09-25
[30] DK (PA 2018 00237) 2018-05-28
[30] DK (PA 2018 00351) 2018-07-06

[21] **3,069,615**
[13] A1
[51] **Int.Cl. B28C 5/48 (2006.01) B28B 3/02 (2006.01) B28C 5/46 (2006.01) C04B 28/02 (2006.01) C04B 40/00 (2006.01)**
[25] FR
[54] **METHOD FOR OBTAINING A COMPACTED MATERIAL AND COMPACTED MATERIAL OBTAINED THEREBY**
[54] **PROCEDE D'OBTENTION D'UN MATERIAU COMPACTE ET MATERIAU COMPACTE OBTENU DE CE PROCEDE**
[72] MICHUD, CLAIRE, FR
[72] COULON, ANTOINE, FR
[72] BECK, AURELIEN, FR
[72] POIRIER, JACQUES, FR
[72] DE BILBAO, EMMANUEL, FR
[71] IMERTECH, FR
[85] 2020-01-10
[86] 2018-07-12 (PCT/FR2018/051768)
[87] (WO2019/012234)
[30] FR (1756698) 2017-07-13

[21] **3,069,616**
[13] A1
[51] **Int.Cl. C10M 141/12 (2006.01)**
[25] EN
[54] **METHOD FOR PREVENTING OR REDUCING LOW SPEED PRE-IGNITION IN DIRECT INJECTED SPARK-IGNITED ENGINES WITH COBALT-CONTAINING LUBRICANT**
[54] **PROCEDE DE PREVENTION OU DE REDUCTION DE PRE-ALLUMAGE A FAIBLE VITESSE DANS DES MOTEURS A ALLUMAGE COMMANDE ET INJECTION DIRECTE AVEC UN LUBRIFIANT CONTENANT DU COBALT**
[72] ELLIOTT, IAN G., US
[72] CHERPECK, RICHARD E., US
[72] MARIA, AMIR GAMAL, US
[72] GUNAWAN, THERESA LIANG, US
[71] CHEVRON U.S.A. INC., US
[71] CHEVRON ORONITE COMPANY LLC, US
[85] 2020-01-10
[86] 2018-09-13 (PCT/IB2018/057026)
[87] (WO2019/053635)
[30] US (62/558,047) 2017-09-13

[21] **3,069,617**
[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) C07K 7/08 (2006.01) C12N 9/00 (2006.01) C12N 9/48 (2006.01)**
[25] EN
[54] **METHODS FOR PURIFYING PROTEINS HAVING A TUBULIN CARBOXYPEPTIDASE ACTIVITY AND PEPTIDIC BASED INHIBITORS THEREOF**
[54] **PROCEDES DE PURIFICATION DE PROTEINES AYANT UNE ACTIVITE CARBOXYPEPTIDASE DE TUBULINE ET LEURS INHIBITEURS PEPTIDIQUES**
[72] ROGOWSKI, KRZYSZTOF, FR
[72] VAN DER LAAN, SIEM, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[85] 2020-01-10
[86] 2018-07-18 (PCT/EP2018/069496)
[87] (WO2019/016259)
[30] EP (17305954.4) 2017-07-18

[21] **3,069,618**
[13] A1
[51] **Int.Cl. A23D 9/04 (2006.01) A23D 7/00 (2006.01) A23D 7/02 (2006.01)**
[25] EN
[54] **PROCESS FOR MIXING LIQUID EDIBLE OIL AND A MELTED EDIBLE FAT**
[54] **PROCEDE DE MELANGEAGE D'UNE HUILE COMESTIBLE LIQUIDE ET D'UNE GRAISSE COMESTIBLE FONDUE**
[72] MEEUWSE, FREDERIK MICHIEL, NL
[72] BELTMAN, ROBERT, NL
[72] GUNYOL, OZGUR, NL
[71] UNILEVER BCS LIMITED, GB
[85] 2020-01-10
[86] 2018-04-10 (PCT/EP2018/059107)
[87] (WO2019/020222)
[30] EP (17182788.4) 2017-07-24

[21] **3,069,619**
[13] A1
[51] **Int.Cl. C07D 239/47 (2006.01) A01N 43/54 (2006.01)**
[25] EN
[54] **POLYMORPHS OF 5-FLUORO-4-IMINO-3-METHYL-1-TOSYL-3,4-DIHYDROPYRIMIDIN-2-ONE**
[54] **POLYMORPHES DE 5-FLUORO-4-IMINO-3-METHYL-1-TOSYL-3,4-DIHYDROPYRIMIDIN-2-ONE**
[72] GRABARNICK, MICHAEL, IL
[72] SUEZ, GAL, IL
[72] NEMET, ZOLTAN, CH
[72] ALASIBI, SAMAA, IL
[71] ADAMA MAKHTESHIM LTD., IL
[85] 2020-01-10
[86] 2018-07-16 (PCT/IB2018/000875)
[87] (WO2019/038583)
[30] US (62/533,509) 2017-07-17

[21] **3,069,620**
[13] A1
[51] **Int.Cl. C10M 159/12 (2006.01) C10M 163/00 (2006.01)**
[25] EN
[54] **PASSENGER CAR LUBRICATING OIL COMPOSITIONS FOR FUEL ECONOMY**
[54] **COMPOSITIONS D'HUILE LUBRIFIANTE POUR VOITURE PARTICULIERE POUR L'ECONOMIE DE CARBURANT**
[72] KUBO, KOICHI, JP
[72] TAKEUCHI, YOSHITAKA, JP
[72] KANAUCHI, MASAYA, JP
[72] SONE, CHIHIRO, JP
[72] SUEN, YAT FAN, US
[72] MILLER, TREVOR W., US
[71] CHEVRON JAPAN LTD., JP
[71] CHEVRON ORONITE COMPANY LLC, US
[85] 2020-01-10
[86] 2018-09-28 (PCT/IB2018/057544)
[87] (WO2019/069197)
[30] US (15/726,652) 2017-10-06

[21] **3,069,621**
[13] A1
[51] **Int.Cl. A61K 47/26 (2006.01) A61K 9/107 (2006.01) A61K 31/05 (2006.01) A61K 31/12 (2006.01) A61K 31/122 (2006.01) A61K 31/19 (2006.01) A61K 31/385 (2006.01) A61K 36/185 (2006.01) A61K 36/324 (2006.01) A61K 36/484 (2006.01) A61K 38/48 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **SOLUBILIZATE WITH CURCUMIN AND OPTIONALLY AT LEAST ONE OTHER ACTIVE SUBSTANCE**
[54] **SOLUBILISAT CONTENANT DE LA CURCUMINE ET OPTIONNELLEMENT AU MOINS UNE AUTRE SUBSTANCE ACTIVE**
[72] BEHNAM, DARIUSH, DE
[71] AQUANOVA AG, DE
[85] 2020-01-10
[86] 2018-07-11 (PCT/EP2018/068731)
[87] (WO2019/011955)
[30] EP (PCT/EP2017/067382) 2017-07-11
[30] EP (PCT/EP2017/067381) 2017-07-11
[30] DE (10 2017 115 496.5) 2017-07-11

[21] **3,069,622**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR DETERMINING SIGNAL QUALITY FOR A SWALLOWING IMPAIRMENT CLASSIFICATION MODEL**
[54] **PROCEDES ET DISPOSITIFS DE DETERMINATION DE LA QUALITE DE SIGNAL POUR UN MODELE DE CLASSIFICATION DE DEFICIENCE DE DEGLUTITION**
[72] JEDWAB, MICHAEL REUBEN, CH
[72] KORTELAINEN, JUHA M, FI
[72] MUKHERJEE, RAJAT, US
[72] POLONEN, HARRI, FI
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-01-10
[86] 2018-07-31 (PCT/EP2018/070649)
[87] (WO2019/030046)
[30] US (62/541943) 2017-08-07

[21] **3,069,623**
[13] A1
[51] **Int.Cl. C10M 139/00 (2006.01) C10M 141/12 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITIONS CONTAINING ZIRCONIUM AND METHOD FOR PREVENTING OR REDUCING LOW SPEED PRE-IGNITION IN DIRECT INJECTED SPARK-IGNITED ENGINES**
[54] **COMPOSITIONS D'HUILE LUBRIFIANTE CONTENANT DU ZIRCONIUM ET PROCEDE POUR EMPECHER OU REDUIRE LE PREALLUMAGE A FAIBLE VITESSE DANS DES MOTEURS A ALLUMAGE PAR ETINCELLE A INJECTION DIRECTE**
[72] ELLIOTT, IAN G., US
[72] HOGENDOORN, RICHARD, NL
[72] GUNAWAN, THERESA LIANG, US
[72] TSANG, MAN HON, US
[72] CHERPECK, RICHARD E., US
[72] MARIA, AMIR GAMAL, US
[72] THOMAS, ANDREW MICHAEL, US
[71] CHEVRON ORONITE COMPANY LLC, US
[71] CHEVRON ORONITE TECHNOLOGY B.V., NL
[71] CHEVRON USA INC., US
[85] 2020-01-10
[86] 2018-07-11 (PCT/IB2018/055112)
[87] (WO2019/012447)
[30] US (62/532,426) 2017-07-14

[21] **3,069,624**
[13] A1
[51] **Int.Cl. B23B 27/16 (2006.01) B23B 29/04 (2006.01)**
[25] EN
[54] **CUTTING TOOL AND CUTTING TOOL BODY WITH A HOLDING MEMBER FOR HOLDING A COUPLING SCREW**
[54] **OUTIL DE COUPE ET CORPS D'OUTIL DE COUPE DOTE D'UN ELEMENT DE MAINTIEN POUR MAINTENIR UNE VIS D'ACCOUPLEMENT**
[72] HECHT, GIL, IL
[72] SHARMA, RAJAT, IN
[71] ISCAR LTD., IL
[85] 2020-01-10
[86] 2018-06-25 (PCT/IL2018/050696)
[87] (WO2019/016792)
[30] US (15/652,475) 2017-07-18

[21] **3,069,626**
[13] A1
[51] **Int.Cl. A63F 9/24 (2006.01)**
[25] EN
[54] **VALIDATING A PLAYER'S REAL-WORLD LOCATION USING ACTIVITY WITHIN A PARALLEL REALITY GAME**
[54] **VALIDATION D'UN EMPLACEMENT D'UN JOUEUR DANS LE MONDE REEL A L'AIDE D'UNE ACTIVITE DANS UN JEU DE REALITE PARALLELE**
[72] KORNMANN, DAVID, US
[72] KILDAY, BILL J., US
[72] STERANKA, MICHAEL, US
[72] WU, EDWARD, US
[72] HANKE, JOHN V., US
[72] KESLIN, PHILLIP CRAIG, US
[72] NOMURA, TATSUO, US
[72] AHMAD, RAZA, US
[72] SUGA, KENTO, US
[72] QUIGLEY, MIKE, US
[71] NIANTIC, INC., US
[85] 2020-01-10
[86] 2018-07-21 (PCT/IB2018/055443)
[87] (WO2019/021142)
[30] US (62/535,863) 2017-07-22
[30] US (16/041,707) 2018-07-20

[21] **3,069,627**
[13] A1
[51] **Int.Cl. C10M 135/18 (2006.01) C10M 125/04 (2006.01) C10M 125/10 (2006.01) C10M 129/40 (2006.01) C10M 159/18 (2006.01) C10M 159/20 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITIONS CONTAINING NON-SULFUR-PHOSPHORUS CONTAINING ZINC COMPOUNDS AND METHOD FOR PREVENTING OR REDUCING LOW SPEED PRE-IGNITION IN DIRECT INJECTED SPARK-IGNITED ENGINES**
[54] **COMPOSITIONS D'HUILE LUBRIFIANTE ET PROCEDE POUR EMPECHER OU REDUIRE LE PREALLUMAGE A FAIBLE VITESSE DANS DES MOTEURS A ALLUMAGE PAR ETINCELLES A INJECTION DIRECTE**
[72] ELLIOTT, IAN G., US
[72] LE DEORE, CHRISTOPHE P., FR
[72] CHERPECK, RICHARD E., US
[72] MARIA, AMIR GAMAL, US
[72] GUNAWAN, THERESA LIANG, US
[71] CHEVRON ORONITE COMPANY LLC, US
[71] CHEVRON ORONITE SAS, FR
[71] CHEVRON U.S.A. INC., US
[85] 2020-01-10
[86] 2018-07-11 (PCT/IB2018/055118)
[87] (WO2019/012450)
[30] US (62/532,485) 2017-07-14

[21] **3,069,628**
[13] A1
[51] **Int.Cl. A61K 9/51 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **CROSS-LINKED MALTODEXTRINS FOR THE ORAL DELIVERY OF BIOLOGICAL ACTIVES**
[54] **MALTODEXTRINES RETICULEES POUR L'ADMINISTRATION ORALE DE PRINCIPES ACTIFS BIOLOGIQUES**
[72] TROTTA, FRANCESCO, IT
[72] CAVALLI, ROBERTA, IT
[72] CALDERA, FABRIZIO, IT
[72] ARGENZIANO, MONICA, IT
[72] TANNOUS, MARIA, LB
[71] ROQUETTES FRERES, FR
[85] 2020-01-10
[86] 2018-07-11 (PCT/EP2018/068743)
[87] (WO2019/011964)
[30] EP (17290094.6) 2017-07-12

[21] **3,069,629**
[13] A1
[51] **Int.Cl. E04B 1/61 (2006.01) E04B 2/74 (2006.01) E04B 2/78 (2006.01) E04B 2/82 (2006.01)**
[25] EN
[54] **DRY PARTITION WALL SYSTEM AND METHOD FOR INSTALLATION OF A DRY PARTITION WALL SYSTEM OF THIS KIND**
[54] **SYSTEME DE CLOISON SECHE ET PROCEDE D'INSTALLATION D'UN TEL SYSTEME DE CLOISON SECHE**
[72] QUIRIJNS, CATHARINUS ANNE, NL
[72] SCHEEPENS, SIMON, NL
[71] SAINT-GOBAIN PLACO S.A.S., FR
[85] 2020-01-10
[86] 2018-08-07 (PCT/EP2018/071366)
[87] (WO2019/030217)
[30] DE (10 2017 118 005.2) 2017-08-08

[21] **3,069,630**
[13] A1
[51] **Int.Cl. C12N 15/62 (2006.01) C07K 14/415 (2006.01) C12N 1/13 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/29 (2006.01) C12N 15/63 (2006.01) C12N 15/79 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **RECOMBINANT POLYPEPTIDE ENRICHED ALGAL CHLOROPLASTS, METHODS FOR PRODUCING THE SAME AND USES THEREOF**
[54] **CHLOROPLASTES D'ALGUES ENRICHIS EN POLYPEPTIDE RECOMBINANT, LEURS PROCEDES DE PRODUCTION ET LEURS UTILISATIONS**
[72] ALCANTARA, JOENEL, CA
[71] ALCANTARA RESEARCH GROUP INC., CA
[85] 2020-01-09
[86] 2018-07-09 (PCT/CA2018/050831)
[87] (WO2019/014755)
[30] US (62/534,405) 2017-07-19

[21] **3,069,631**
[13] A1
[51] **Int.Cl. G01N 21/90 (2006.01)**
[25] EN
[54] **INSPECTION DEVICE WITH COLOUR LIGHTING**
[54] **DISPOSITIF D'INSPECTION COMPRENANT UN ECLAIRAGE DE COULEUR**
[72] HEUFT, BERNHARD, DE
[72] NONNEN, JORG, DE
[71] HEUFT SYSTEMTECHNIK GMBH, DE
[85] 2020-01-10
[86] 2018-09-06 (PCT/EP2018/074065)
[87] (WO2019/048575)
[30] DE (10 2017 008 406.8) 2017-09-07

[21] **3,069,632**
[13] A1
[51] **Int.Cl. B07B 15/00 (2006.01) B02C 21/00 (2006.01)**
[25] EN
[54] **IRON FINE REMOVAL AND SORTING SYSTEM FOR MAGNETIC HARD ROCKS**
[54] **SYSTEME D'ELIMINATION ET DE TRI FIN DE FER POUR ROCHES DURES MAGNETIQUES**
[72] ZHANG, CHENGCHEN, CN
[72] LI, HENGSHENG, CN
[72] ZHAO, WEI, CN
[72] CAO, YE, CN
[72] LIU, BO, CN
[72] LIN, JUNHAI, CN
[71] LONGI MAGNET CO., LTD., CN
[85] 2020-01-09
[86] 2017-08-03 (PCT/CN2017/095855)
[87] (WO2019/010738)
[30] CN (201710572271.8) 2017-07-13

[21] **3,069,633**
[13] A1
[51] **Int.Cl. A47J 31/36 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **ASSEMBLY OF A CAPSULE AND A BREW CHAMBER, BREW CHAMBER, BEVERAGE PREPARATION MACHINE, CAPSULE AND USE OF A CAPSULE**
[54] **ENSEMBLE COMPOSE D'UNE CAPSULE ET D'UNE CHAMBRE D'INFUSION, CHAMBRE D'INFUSION, MACHINE DE PREPARATION DE BOISSON, CAPSULE ET UTILISATION D'UNE CAPSULE**
[72] KAMERBEEK, RALF, NL
[72] GROOTHORNTE, AREND HENDRIK, NL
[72] DIJKSTRA, HIELKE, NL
[72] VAN GAASBEEK, ERIK PIETER, NL
[71] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2020-01-10
[86] 2018-07-13 (PCT/NL2018/050486)
[87] (WO2019/013641)
[30] NL (2019253) 2017-07-14

[21] **3,069,634**
[13] A1
[51] **Int.Cl. C12N 9/02 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **INCREASING PLANT GROWTH AND YIELD BY USING A FERREDOXIN-THIOREDOXIN REDUCTASE**
[54] **AUGMENTATION DE LA CROISSANCE ET DU RENDEMENT DES PLANTES AU MOYEN DE FERREDOXINE-THIOREDOXINE REDUCTASE**
[72] BEGEMANN, MATTHEW, US
[71] BENSON HILL, INC., US
[85] 2020-01-10
[86] 2018-07-12 (PCT/IB2018/055168)
[87] (WO2019/012483)
[30] US (62/532,085) 2017-07-13

[21] **3,069,635**
[13] A1
[51] **Int.Cl. H04N 19/13 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RANGE DERIVATION IN CONTEXT ADAPTIVE BINARY ARITHMETIC CODING**
[54] **PROCEDE ET APPAREIL DE CALCUL DE PLAGE DANS UN SYSTEME DE CODAGE ARITHMETIQUE BINAIRE ADAPTATIF AU CONTEXTE**
[72] CHUANG, TZU-DER, CN
[72] CHEN, CHING-YEH, CN
[71] MEDIATEK, INC., CN
[85] 2020-01-09
[86] 2018-07-12 (PCT/CN2018/095419)
[87] (WO2019/011292)
[30] US (62/532,389) 2017-07-14
[30] US (62/670,614) 2018-05-11
[30] US (62/678,343) 2018-05-31
[30] US (62/693,497) 2018-07-03

[21] **3,069,636**
[13] A1
[51] **Int.Cl. C21D 9/56 (2006.01) F27D 99/00 (2010.01)**
[25] EN
[54] **METHOD TO REDUCE NITROGEN OXIDES IN STRIP PROCESSING FURNACES**
[54] **PROCEDE DE REDUCTION D'OXYDES D'AZOTE DANS DES FOURS DE TRAITEMENT DE BANDES**
[72] BORREL, PIERRE-JEROME, FR
[72] BLAKE, ERIC, US
[72] HAMMAN, MARTIN, FR
[71] ANDRITZ TECHNOLOGY AND ASSET MANAGEMENT GMBH, AT
[85] 2020-01-10
[86] 2018-05-29 (PCT/EP2018/064082)
[87] (WO2019/011519)
[30] AT (A50584/2017) 2017-07-13

[21] **3,069,637**
[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **COATING METHOD**
[54] **PROCEDE DE REVETEMENT**
[72] MOHAMMED, PROFESSOR AFZAL UR RAHMAN, GB
[72] KONER, JASDIP SINGH, GB
[72] WYATT, DAVID, GB
[72] DAHMASH, EMAN, GB
[71] ASTON PARTICLE TECHNOLOGIES LIMITED, GB
[85] 2020-01-10
[86] 2018-07-11 (PCT/EP2018/068816)
[87] (WO2019/011998)
[30] GB (1711233.5) 2017-07-12

[21] **3,069,638**
[13] A1
[51] **Int.Cl. C08F 210/12 (2006.01) C08F 236/08 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF ISOOLEFIN POLYMERS WITH IMPROVED INITIATOR SYSTEM PREPARATION**
[54] **PROCEDE POUR LA PRODUCTION DE POLYMERES D'ISOOLEFINE AVEC UNE PREPARATION DE SYSTEME AMORCEUR AMELIOREE**
[72] PAUL, HANNS-INGOLF, DE
[72] FELLER, ROLF, DE
[72] WIESNER, UDO, DE
[72] LEIBERICH, RICARDA, DE
[72] RITTER, JOACHIM, DE
[72] KREUDER, CARSTEN, CA
[72] GRONOWSKI, ADAM, CA
[71] ARLANXEO DEUTSCHLAND GMBH, DE
[85] 2020-01-09
[86] 2018-07-06 (PCT/EP2018/068389)
[87] (WO2019/011813)
[30] EP (17180922.1) 2017-07-12

[21] **3,069,639**
[13] A1
[51] **Int.Cl. F02K 9/42 (2006.01) F02K 99/00 (2009.01) F03H 99/00 (2009.01) F02K 9/62 (2006.01)**
[25] EN
[54] **SPACE PROPULSION SYSTEM**
[54] **SYSTEME DE PROPULSION SPATIALE**
[72] MINOTTI, ANGELO, IT
[71] MINOTTI, ANGELO, IT
[85] 2020-01-10
[86] 2018-07-26 (PCT/IB2018/055595)
[87] (WO2019/021234)
[30] IT (102017000087235) 2017-07-28

[21] **3,069,640**
[13] A1
[51] **Int.Cl. B63C 11/52 (2006.01) G01C 13/00 (2006.01) G06T 1/00 (2006.01)**
[25] EN
[54] **UNDERWATER OBSERVATION UNIT AND SYSTEM**
[54] **UNITE ET SYSTEME D'OBSERVATION SUBAQUATIQUE**
[72] JONGSMA, ARNOUD MARC, NL
[72] VAN WEEREN, DENNIS, NL
[72] LUBBES, ARIS, NL
[71] FNV IP B.V., NL
[85] 2020-01-10
[86] 2018-07-11 (PCT/NL2018/050466)
[87] (WO2019/013627)
[30] NL (2019223) 2017-07-11

[21] **3,069,641**
[13] A1
[51] **Int.Cl. H04W 52/38 (2009.01) H04W 52/18 (2009.01) H04W 52/54 (2009.01) H04W 88/06 (2009.01)**
[25] EN
[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
[72] OSAWA, RYOSUKE, JP
[72] KAKISHIMA, YUICHI, US
[71] NTT DOCOMO, INC., JP
[85] 2020-01-10
[86] 2017-07-12 (PCT/JP2017/025446)
[87] (WO2019/012635)

[21] **3,069,642**
[13] A1
[51] **Int.Cl. B27M 3/00 (2006.01) B25J 9/00 (2006.01) B31D 5/00 (2017.01) B65D 19/20 (2006.01)**
[25] EN
[54] **MACHINE FOR MANUFACTURING PALLETS**
[54] **MACHINE POUR FABRIQUER DES PALETTES**
[72] ALTUR SANCHEZ, SERGIO, ES
[72] ALTUR SANCHEZ, ANTONIO JAVIER, ES
[71] MANDRILADORA ALPESA, S.L., ES
[85] 2020-01-10
[86] 2018-03-27 (PCT/ES2018/070256)
[87] (WO2019/012167)
[30] ES (U201730827) 2017-07-11
[30] ES (U201730851) 2017-07-18

[21] **3,069,643**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 236/08 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF ISOBUTENE POLYMERS WITH IMPROVED TEMPERATURE CONTROL**
[54] **PROCEDE DE PRODUCTION DE POLYMERES D'ISOBUTENE A REGULATION DE TEMPERATURE AMELIOREE**
[72] PAUL, HANNS-INGOLF, DE
[72] LEIBERICH, RICARDA, DE
[72] FELLER, ROLF, DE
[72] WAGNER, PAUL, DE
[72] KIRCHHOFF, JORG, DE
[72] RITTER, JOACHIM, DE
[72] LOVEGROVE, JOHN GEORGE ARNOLD, CA
[71] ARLANXEO DEUTSCHLAND GMBH, DE
[85] 2020-01-09
[86] 2018-07-06 (PCT/EP2018/068392)
[87] (WO2019/011814)
[30] EP (17181176.3) 2017-07-13

[21] **3,069,644**
[13] A1
[51] **Int.Cl. H04B 10/112 (2013.01) H04B 13/02 (2006.01)**
[25] EN
[54] **UNDERWATER WIRELESS OPTICAL COMMUNICATION UNIT AND SYSTEM**
[54] **UNITE ET SYSTEME DE COMMUNICATION OPTIQUE SANS FIL SOUS-MARIN**
[72] JONGSMA, ARNOUD MARC, NL
[72] VAN WEEREN, DENNIS, NL
[72] LUBBES, ARIS, NL
[71] FNV IP B.V., NL
[85] 2020-01-10
[86] 2018-07-11 (PCT/NL2018/050467)
[87] (WO2019/013628)
[30] NL (2019224) 2017-07-11

[21] **3,069,645**
[13] A1
[51] **Int.Cl. G06N 3/08 (2006.01)**
[25] EN
[54] **IDENTIFICATION/CLASSIFICATION DEVICE AND IDENTIFICATION/CLASSIFICATION METHOD**
[54] **DISPOSITIF ET PROCEDE D'IDENTIFICATION/CLASSIFICATION**
[72] SUGIHARA, KENYA, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2020-01-10
[86] 2017-08-10 (PCT/JP2017/029086)
[87] (WO2019/030895)

[21] **3,069,646**
[13] A1
[51] **Int.Cl. H01L 31/02 (2006.01) H04B 10/11 (2013.01) H04B 10/112 (2013.01) H04B 10/116 (2013.01) H01L 31/107 (2006.01)**
[25] EN
[54] **SENSOR FRONT END**
[54] **EXTREMITE AVANT DE CAPTEUR**
[72] VAN WEEREN, DENNIS, NL
[72] JONGSMA, ARNOUD MARC, NL
[72] SEIBERT, JOACHIM ULRICH, NL
[71] FNV IP B.V., NL
[85] 2020-01-10
[86] 2018-07-11 (PCT/NL2018/050468)
[87] (WO2019/013629)
[30] NL (2019224) 2017-07-11
[30] NL (2021279) 2018-07-10

[21] **3,069,647**
[13] A1
[51] **Int.Cl. A63B 31/12 (2006.01)**
[25] EN
[54] **PULL BUOY**
[54] **BOUEE DE TRACTION**
[72] FRANK, JORDAN, US
[71] FRANK, JORDAN, US
[85] 2020-01-10
[86] 2017-06-27 (PCT/US2017/039413)
[87] (WO2018/013339)
[30] US (62/360,933) 2016-07-11

[21] **3,069,648**
[13] A1
[51] **Int.Cl. F16B 2/18 (2006.01) A47K 13/26 (2006.01) F16B 13/08 (2006.01) F16B 47/00 (2006.01)**
[25] EN
[54] **A FIXING DEVICE**
[54] **DISPOSITIF DE FIXATION**
[72] DELANEY, PAUL, GB
[71] CASSELLIE LTD, GB
[85] 2020-01-10
[86] 2018-07-11 (PCT/GB2018/051980)
[87] (WO2019/012281)
[30] GB (1711142.8) 2017-07-11
[30] GB (1717785.8) 2017-10-30
[30] GB (1801653.5) 2018-02-01

[21] **3,069,649**
[13] A1
[51] **Int.Cl. C08B 15/08 (2006.01) C08L 1/02 (2006.01)**
[25] EN
[54] **SOLVENT-BASED PROCESSES FOR PRODUCING NANOCELLULOSE, AND COMPOSITIONS AND PRODUCTS PRODUCED THEREFROM**
[54] **PROCEDES BASES SUR DES SOLVANTS POUR PRODUIRE UNE NANOCELLULOSE, ET COMPOSITIONS ET PRODUITS AINSI OBTENUS**
[72] NELSON, KIMBERLY, US
[72] RETSINA, THEODORA, US
[72] PYLKKANEN, VESA, US
[72] O'CONNOR, RYAN, US
[71] API INTELLECTUAL PROPERTY HOLDINGS, LLC, US
[85] 2020-01-10
[86] 2017-07-11 (PCT/US2017/041431)
[87] (WO2018/013501)
[30] US (62/362,101) 2016-07-14
[30] US (15/644,878) 2017-07-10

[21] **3,069,650**
[13] A1
[51] **Int.Cl. C07K 14/245 (2006.01) C12N 1/21 (2006.01) C12N 9/10 (2006.01) C12N 9/88 (2006.01) C12P 7/40 (2006.01) C12P 17/16 (2006.01) C12P 17/18 (2006.01)**
[25] EN
[54] **CELL FACTORY HAVING IMPROVED IRON-SULFUR CLUSTER DELIVERY**
[54] **USINE CELLULAIRE AYANT UNE DISTRIBUTION AMELIOREE D'AMAS DE FER-SOUFRE**
[72] GENEE, HANS JASPER, DK
[72] BALI, ANNE PIHL, DK
[72] MYLING-PETERSEN, NILS, DK
[71] BIOSYNTIA APS, DK
[85] 2020-01-10
[86] 2018-07-12 (PCT/EP2018/068989)
[87] (WO2019/012058)
[30] EP (17181503.8) 2017-07-14

[21] **3,069,651**
[13] A1
[51] **Int.Cl. C22C 38/00 (2006.01) B65D 41/12 (2006.01) C21D 9/46 (2006.01) C22C 38/06 (2006.01)**
[25] EN
[54] **STEEL SHEET FOR CROWN CAP, CROWN CAP AND METHOD FOR PRODUCING STEEL SHEET FOR CROWN CAP**
[54] **TOLE D'ACIER POUR CAPSULE COURONNE, CAPSULE COURONNE ET PROCEDE DE PRODUCTION DE TOLE D'ACIER POUR CAPSULE COURONNE**
[72] UENO, TAKASHI, JP
[72] KARIYA, NOBUSUKE, JP
[72] KOJIMA, KATSUMI, JP
[72] YAMAMOTO, YOSHIHIDE, JP
[72] KATAGIRI, AKIHIRO, JP
[71] JFE STEEL CORPORATION, JP
[85] 2020-01-10
[86] 2018-07-25 (PCT/JP2018/027994)
[87] (WO2019/026738)
[30] JP (2017-148314) 2017-07-31

[21] **3,069,652**
[13] A1
[51] **Int.Cl. C25D 5/18 (2006.01) C25D 3/56 (2006.01) C25D 21/12 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL METHODS, DEVICES AND COMPOSITIONS**
[54] **PROCEDES, DISPOSITIFS ET COMPOSITIONS ELECTROCHIMIQUES**
[72] KONOPKA, DANIEL A., US
[72] SEEDIG, JASON A., US
[71] ALLIGANT SCIENTIFIC, LLC, US
[85] 2020-01-10
[86] 2017-07-13 (PCT/US2017/042025)
[87] (WO2018/013874)
[30] US (62/361,650) 2016-07-13

[21] **3,069,653**
[13] A1
[51] **Int.Cl. A24B 15/16 (2020.01) A24D 3/06 (2006.01) A24F 47/00 (2020.01)**
[25] EN
[54] **TOBACCO CONSTITUENT RELEASING COMPONENTS**
[54] **COMPOSANTS DE LIBERATION DE CONSTITUANTS DU TABAC**
[72] FRANKE, DIETMAR, GB
[72] GRUNER, OLIVER, GB
[72] KNOTHE, JOSEF, GB
[72] KONIG, THORSTEN, GB
[72] KUHL, VOLKER, GB
[72] LINK, MATTHIAS, GB
[72] PLUCKHAHN, FRANK, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2020-01-10
[86] 2018-07-17 (PCT/GB2018/052020)
[87] (WO2019/016535)
[30] GB (1711534.6) 2017-07-18
[30] GB (1717408.7) 2017-10-23

[21] **3,069,655**
[13] A1
[51] **Int.Cl. A61L 24/00 (2006.01) A61B 17/12 (2006.01) A61C 5/00 (2017.01)**
[25] EN
[54] **CURABLE FILLER MATERIAL FOR TUBULAR STRUCTURES**
[54] **MATERIAU DE REMPLISSAGE DURCISSABLE POUR STRUCTURES TUBULAIRES**
[72] SCHMOCKER, ANDREAS, CH
[71] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH
[85] 2020-01-10
[86] 2017-07-07 (PCT/IB2017/054099)
[87] (WO2018/011680)
[30] EP (16178912.8) 2016-07-11

[21] **3,069,656**
[13] A1
[51] **Int.Cl. H04R 1/34 (2006.01)**
[25] EN
[54] **LOUDSPEAKER**
[54] **HAUT-PARLEUR**
[72] SCHNEIDER, MARTIN, DE
[72] HABETS, EMANUEL, DE
[72] WETZEL, STAFAN, DE
[72] HELLMUTH, OLIVER, DE
[72] PROKEIN, PETER, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-01-10
[86] 2018-07-12 (PCT/EP2018/069016)
[87] (WO2019/012070)
[30] EP (17181479.1) 2017-07-14
[30] EP (18152311.9) 2018-01-18

[21] **3,069,657**
[13] A1
[51] **Int.Cl. A61N 1/372 (2006.01) A61N 1/00 (2006.01) A61N 1/375 (2006.01)**
[25] EN
[54] **STERILIZABLE WIRELESS COMMUNICATION DEVICES**
[54] **DISPOSITIFS DE COMMUNICATION SANS FIL STERILISABLES**
[72] HOGLUND, DAVID H., US
[72] ANDERSON, WAYNE, US
[72] PERRY, JOHN J., US
[72] KARCH, MICHAEL M., US
[72] PARK, LAURA, US
[72] DOHRING, EDWARD J., US
[71] SMART MEDICAL DEVICES, INC., US
[85] 2020-01-10
[86] 2018-07-09 (PCT/US2018/041234)
[87] (WO2019/014102)
[30] US (62/530,677) 2017-07-10

[21] **3,069,659**
[13] A1
[51] **Int.Cl. A21D 8/04 (2006.01) A21D 2/26 (2006.01) A21D 10/00 (2006.01)**
[25] EN
[54] **PROCESS FOR DEGRADATION OF GLIADIN TO OBTAIN GLUTEN-FREE FLOUR**
[54] **PROCEDE DE DEGRADATION DE GLIADINE POUR OBTENIR UNE FARINE SANS GLUTEN**
[72] PEDROZA ISLAS, RUTH, MX
[71] GONZALEZ DE LA TORRE, JAVIER, MX
[85] 2020-01-10
[86] 2017-07-12 (PCT/IB2017/054218)
[87] (WO2019/012312)

[21] **3,069,662**
[13] A1
[51] **Int.Cl. C09K 8/035 (2006.01) C09K 8/508 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **USED AUTOMOBILE TIRES AS LOSS CIRCULATION MATERIAL**
[54] **PNEUMATIQUES AUTOMOBILES USES EN TANT QUE MATERIAU DE CIRCULATION DE PERTE**
[72] AMANULLAH, MD, SA
[72] ARFAJ, MOHAMMED K., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-10
[86] 2018-07-09 (PCT/US2018/041305)
[87] (WO2019/014138)
[30] US (62/532,629) 2017-07-14
[30] US (16/000,415) 2018-06-05

[21] **3,069,663**
[13] A1
[51] **Int.Cl. H01L 31/18 (2006.01) H01L 31/049 (2014.01) H01L 31/0224 (2006.01) H01L 31/048 (2014.01) H01L 31/05 (2014.01)**
[25] EN
[54] **ASSEMBLY METHOD AND PLANT OF A PHOTOVOLTAIC PANEL OF THE BACK-CONTACT TYPE, WITH PRINTING ON THE CELLS COMBINED WITH LOADING AND PRE-FIXING**
[54] **PROCEDE D'ASSEMBLAGE ET INSTALLATION DE PANNEAU PHOTOVOLTAIQUE DU TYPE CONTACT ARRIERE, AVEC IMPRESSION SUR LES CELLULES COMBINEES DE CHARGEMENT ET PRE-FIXATION**
[72] SPOTTI, DAVIDE, IT
[71] VISMUNDA S.R.L., IT
[85] 2020-01-10
[86] 2018-07-19 (PCT/IB2018/000789)
[87] (WO2019/021053)
[30] IT (102017000084020) 2017-07-24

[21] **3,069,664**
[13] A1
[51] **Int.Cl. A61M 1/14 (2006.01) A61M 1/28 (2006.01) A61M 1/34 (2006.01)**
[25] EN
[54] **FLUID LEAK DETECTION IN A DIALYSIS MACHINE**
[54] **DETECTION D'UNE FUITE DE LIQUIDE DANS UNE MACHINE DE DIALYSE**
[72] GARRIDO, HERNANDO, US
[72] ORTEGA, ANTHONY T., US
[72] BIEWER, JOHN A., US
[72] KHAN, ASIF A., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-01-10
[86] 2018-07-10 (PCT/US2018/041360)
[87] (WO2019/014162)
[30] US (15/647,097) 2017-07-11

[21] **3,069,666**
[13] A1
[51] **Int.Cl. A61B 18/12 (2006.01)**
[25] EN
[54] **JAW ASSEMBLY FOR A VESSEL SEALER**
[54] **ENSEMBLE MACHOIRE DESTINE A UN DISPOSITIF D'OBTURATION DE VAISSEAU**
[72] WILLIAMS, MASON, US
[72] OLICHNEY, MICHAEL, US
[72] SPOMER, ALYSSA, US
[71] CONMED CORPORATION, US
[85] 2020-01-10
[86] 2018-07-10 (PCT/US2018/041368)
[87] (WO2019/014164)
[30] US (15/646,274) 2017-07-11

[21] **3,069,668**
[13] A1
[51] **Int.Cl. G16B 20/00 (2019.01) G16B 40/00 (2019.01)**
[25] EN
[54] **PATTERN RECOGNITION SYSTEM**
[54] **SYSTEME DE RECONNAISSANCE DE MOTIF**
[72] TAN, EUGENE, US
[72] JIANG, HUA, US
[72] SELDEN, RICHARD F., US
[71] ANDE CORPORATION, US
[85] 2020-01-10
[86] 2018-07-12 (PCT/US2018/041838)
[87] (WO2019/014455)
[30] US (62/531,711) 2017-07-12
[30] US (62/542,099) 2017-08-07

[21] **3,069,669**
[13] A1
[51] **Int.Cl. A61K 31/198 (2006.01) C07C 229/12 (2006.01)**
[25] EN
[54] **LITHIUM SALTS OF N-SUBSTITUTED GLYCINE COMPOUNDS AND USES THEREOF**
[54] **SELS DE LITHIUM DE COMPOSES DE GLYCINE N-SUBSTITUES ET UTILISATIONS ASSOCIEES**
[72] TSAI, GUOCHUAN EMIL, US
[72] HUANG, CHING-HSUN, TW
[72] HSIEH, HAN-YI, TW
[72] HUANG, JING-JIA, TW
[72] WANG, CHING-CHENG, TW
[71] SYNEURX INTERNATIONAL (TAIWAN) CORP., TW
[85] 2020-01-10
[86] 2018-07-10 (PCT/US2018/041420)
[87] (WO2019/014207)
[30] US (15/646,034) 2017-07-10

[21] **3,069,671**
[13] A1
[51] **Int.Cl. A61K 31/513 (2006.01) A61K 31/519 (2006.01) A61K 33/24 (2019.01)**
[25] EN
[54] **MAGNETIC NANOPARTICLES FOR TARGETED DELIVERY**
[54] **NANOPARTICULES MAGNETIQUES POUR L'ADMINISTRATION CIBLEE**
[72] SHAPIRO, BENJAMIN, US
[72] SHUKOOR, MOHAMMED, US
[71] OTOMAGNETICS, INC., US
[85] 2020-01-10
[86] 2018-06-30 (PCT/US2018/040523)
[87] (WO2019/006440)
[30] US (62/527,274) 2017-06-30

[21] **3,069,672**
[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01) A61K 31/196 (2006.01) A61K 31/352 (2006.01) A61K 31/382 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **RECEPTOR SUBTYPE AND FUNCTION SELECTIVE RETINOID AND REXINOID COMPOUNDS IN COMBINATION WITH IMMUNE MODULATORS FOR CANCER IMMUNOTHERAPY**
[54] **SOUS-TYPE DE RECEPTEUR ET COMPOSES RETINOIDES ET REXINOIDES SELECTIFS D'UNE FONCTION EN COMBINAISON AVEC DES MODULATEURS IMMUNITAIRES POUR L'IMMUNOTHERAPIE ANTICANCEREUSE**
[72] CHANDRARATNA, ROSHANTHA A., US
[72] SANDERS, MARTIN E., US
[71] IO THERAPEUTICS, INC., US
[85] 2020-01-10
[86] 2018-07-12 (PCT/US2018/041862)
[87] (WO2019/014468)
[30] US (62/532,233) 2017-07-13
[30] US (62/552,814) 2017-08-31

[21] **3,069,674**
[13] A1
[51] **Int.Cl. B41J 3/407 (2006.01)**
[25] EN
[54] **IMAGE SELECTION AND SIZING FOR JEWELRY**
[54] **SELECTION ET DIMENSIONNEMENT D'IMAGE POUR BIJOUX**
[72] KOSANN, MONICA RICH, US
[72] KOSANN, ROD G., US
[72] KUROSE, ASHLEY, US
[72] CASSUDAKIS, ALEXI, US
[72] ALLEN, CATHLEEN, US
[71] MRK FINE ARTS, LLC, US
[85] 2020-01-10
[86] 2018-07-05 (PCT/US2018/040844)
[87] (WO2019/014035)
[30] US (62/532,533) 2017-07-14
[30] US (62/553,451) 2017-09-01

[21] **3,069,675**
[13] A1
[51] **Int.Cl. F23C 15/00 (2006.01)**
[25] EN
[54] **PULSE COMBUSTION HEAT EXCHANGER SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ECHANGEUR DE CHALEUR A COMBUSTION PAR IMPULSIONS**
[72] CHANDRAN, RAVI, US
[72] NEWPORT, DAVE G., US
[72] BURCIAGA, DANIEL A., US
[72] LEO, DANIEL MICHAEL, US
[72] MILLER, JUSTIN KEVIN, US
[72] HARRINGTON, KAITLIN EMILY, US
[72] ATTWOOD, BRIAN CHRISTOPHER, US
[72] WHITNEY, HAMILTON SEAN MICHAEL, US
[71] THERMOCHEM RECOVERY INTERNATIONAL, INC., US
[85] 2020-01-10
[86] 2018-07-10 (PCT/US2018/041449)
[87] (WO2019/014226)
[30] US (15/645,068) 2017-07-10

[21] **3,069,676**
[13] A1
[51] **Int.Cl. A61K 31/47 (2006.01) A61K 31/4709 (2006.01) C07C 13/48 (2006.01)**
[25] EN
[54] **IMMUNOMODULATORY RETINOID AND REXINOID COMPOUNDS IN COMBINATION WITH IMMUNE MODULATORS FOR CANCER IMMUNOTHERAPY**
[54] **COMPOSES RETINOIDES ET REXINOIDES IMMUNOMODULATEURS EN COMBINAISON AVEC DES MODULATEURS IMMUNITAIRES POUR L'IMMUNOTHERAPIE DU CANCER**
[72] CHANDRARATNA, ROSHANTHA A., US
[72] SANDERS, MARTIN E., US
[71] IO THERAPEUTICS, INC., US
[85] 2020-01-10
[86] 2018-07-12 (PCT/US2018/041892)
[87] (WO2019/014492)
[30] US (62/552,814) 2017-08-31
[30] US (62/532,233) 2017-07-13

[21] **3,069,677**
[13] A1
[51] **Int.Cl. B61L 1/16 (2006.01) B61L 1/20 (2006.01) B61L 27/00 (2006.01) B61L 29/22 (2006.01)**
[25] EN
[54] **MODULAR RAILROAD TRACK SIMULATOR**
[54] **SIMULATEUR DE VOIE FERREE MODULAIRE**
[72] CORBO, MARK, US
[72] DOBSON, JAMES, US
[71] SIEMENS MOBILITY, INC., US
[85] 2020-01-10
[86] 2017-07-14 (PCT/US2017/042108)
[87] (WO2019/013815)

[21] **3,069,678**
[13] A1
[51] **Int.Cl. E21B 21/06 (2006.01) B01D 24/00 (2006.01) B01D 29/00 (2006.01) B01D 33/03 (2006.01) B03B 5/04 (2006.01) B03B 5/06 (2006.01) B07B 1/46 (2006.01)**
[25] EN
[54] **COLLECTING MICROCHIPS IN DRILLING FLUIDS**
[54] **COLLECTE DE MICRO-ECLATS DANS DES FLUIDES DE FORAGE**
[72] AL-BADRAN, MOHAMMAD SAUD, SA
[72] LI, BODONG, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-10
[86] 2018-07-05 (PCT/US2018/040899)
[87] (WO2019/014045)
[30] US (15/647,936) 2017-07-12

[21] **3,069,679**
[13] A1
[51] **Int.Cl. A61K 38/47 (2006.01) A61K 38/38 (2006.01) A61K 38/46 (2006.01) A61L 2/18 (2006.01) A61P 31/04 (2006.01) C07K 14/765 (2006.01) C07K 19/00 (2006.01) C12N 9/24 (2006.01) C12Q 1/18 (2006.01)**
[25] EN
[54] **BLOOD COMPONENT POTENTIATION OF LYTIC PROTEIN ANTI-BACTERIAL ACTIVITY AND METHODS AND USES THEREOF**
[54] **POTENTIALISATION DE COMPOSANT SANGUIN DE L'ACTIVITE ANTIBACTERIENNE DE LA PROTEINE LYTIQUE ET METHODES ET UTILISATIONS ASSOCIEES**
[72] SCHUCH, RAYMOND, US
[71] CONTRAFECT CORPORATION, US
[85] 2020-01-10
[86] 2018-07-10 (PCT/US2018/041498)
[87] (WO2019/014260)
[30] US (62/530,632) 2017-07-10

[21] **3,069,680**
[13] A1
[51] **Int.Cl. H04L 12/841 (2013.01)**
[25] EN
[54] **NETWORKS FOR PACKET MONITORING AND REPLAY**
[54] **RESEAUX POUR SURVEILLANCE ET REPETITION DE PAQUETS**
[72] PAUL, BIJOY, US
[72] DAVIES, IAN, US
[71] BGC PARTNERS, L.P., US
[85] 2020-01-10
[86] 2018-07-06 (PCT/US2018/041036)
[87] (WO2019/014058)
[30] US (62/530,706) 2017-07-10

[21] **3,069,683**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61K 31/4523 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TAM KINASE INHIBITORS**
[54] **INHIBITEURS DE KINASES TAM**
[72] ZHANG, YI, US
[72] CHUAQUI, CLAUDIO EDMUNDO, US
[72] MALOJCIC, GORAN, US
[72] SINKO, WILLIAM, US
[72] CIBLAT, STEPHANE, CA
[72] JAMES, CLINT, CA
[72] GUAN, HUIPING AMY, US
[72] MARINEAU, JASON J., US
[72] MOEBIUS, DAVID, US
[71] SYROS PHARMACEUTICALS, INC., US
[85] 2020-01-10
[86] 2018-07-13 (PCT/US2018/041928)
[87] (WO2019/014513)
[30] US (62/532,135) 2017-07-13

[21] **3,069,688**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **ANCHORING SYSTEM AND METHOD FOR SECURING A SUTURE TO A PRE-DRILLED BORE**
[54] **SYSTEME ET PROCEDE D'ANCRAGE POUR FIXER UNE SUTURE A UN ALESAGE PRE-PERCE**
[72] PALESE, CHRISTOPHER, US
[71] BIOMET SPORTS MEDICINE, LLC, US
[85] 2020-01-10
[86] 2018-07-13 (PCT/US2018/042032)
[87] (WO2019/014557)
[30] US (62/532,705) 2017-07-14
[30] US (62/592,896) 2017-11-30

[21] **3,069,690**
[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A01N 63/27 (2020.01) A01P 1/00 (2006.01) C02F 1/50 (2006.01) C02F 3/34 (2006.01) C07K 14/21 (2006.01) C09K 8/524 (2006.01) C09K 8/54 (2006.01) C12P 21/02 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR REMEDIATION OF SULFATE REDUCING PROKARYOTES**
[54] **COMPOSITIONS ET PROCEDES D'ELIMINATION DE PROCARYOTES SULFATOREDUCTEURS**
[72] MANNA, KATHLEEN, US
[72] TOMLINSON, IAN A., US
[72] THATIPELLI, ABHIRAM, US
[72] JANES, CHRISTOPHER, US
[72] SUMMER, ELIZABETH J., US
[71] DDP SPECIALTY ELECTRONIC MATERIALS US, INC., US
[85] 2020-01-10
[86] 2018-07-06 (PCT/US2018/041066)
[87] (WO2019/014061)
[30] US (62/531,568) 2017-07-12

[21] **3,069,691**
[13] A1
[51] **Int.Cl. H01F 27/28 (2006.01) F02P 3/05 (2006.01) H01F 27/32 (2006.01)**
[25] EN
[54] **ELECTRO-MAGNETIC DEVICES AND THERMAL MANAGEMENT THEREOF**
[54] **DISPOSITIFS ELECTROMAGNETIQUES ET LEUR GESTION THERMIQUE**
[72] LIGHTHALL, BRIAN A., US
[72] SKINNER, ALBERT ANTHONY, US
[72] LANGLEY, DAVID LESTER, US
[72] DEIGNAN, PAUL BRYAN, US
[71] DIAMOND ELECTRIC MFG. CORP., US
[85] 2020-01-10
[86] 2018-07-13 (PCT/US2018/042066)
[87] (WO2019/014578)
[30] US (62/531,937) 2017-07-13

[21] **3,069,693**
[13] A1
[51] **Int.Cl. A61K 31/505 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **HETEROCYCLIC INHIBITORS OF ATR KINASE**
[54] **INHIBITEURS HETEROCYCLIQUES DE LA KINASE ATR**
[72] DI FRANCESCO, MARIA EMILIA, US
[72] JONES, PHILIP, US
[72] CARROLL, CHRISTOPHER LAWRENCE, US
[72] CROSS, JASON BRYANT, US
[72] RAMASWAMY, SUYAMBU KESAVA VIJAYAN, US
[72] JOHNSON, MICHAEL GARRETT, US
[72] LIVELY, SARAH, US
[72] LAPOINTE, DAVID, US
[71] BOARD OF REGENTS, UNIVERSITY OF TEXAS SYSTEM, US
[71] CHEMPARTNER CORPORATION, US
[85] 2020-01-10
[86] 2018-07-13 (PCT/US2018/042128)
[87] (WO2019/014618)
[30] US (62/531,951) 2017-07-13

[21] **3,069,694**
[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A23L 29/00 (2016.01) A23L 2/395 (2006.01) A23L 2/52 (2006.01) A61K 9/16 (2006.01) A61K 9/70 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **CANNABINOID COMPOSITIONS AND METHODS OF PREPARATION THEREOF**
[54] **COMPOSITIONS DE CANNABINOIDES ET PROCEDES DE PREPARATION ASSOCIES**
[72] WOELFEL, KEITH, US
[72] SINGER, JUSTIN, US
[72] GOLDSTEIN, JEREMY, US
[72] BROWN, MICHAEL, US
[71] 5071, INC., US
[85] 2020-01-10
[86] 2018-07-13 (PCT/US2018/042150)
[87] (WO2019/014631)
[30] US (62/532,468) 2017-07-14

[21] **3,069,697**
[13] A1
[51] **Int.Cl. C12N 1/14 (2006.01) C12N 1/15 (2006.01) C12N 1/20 (2006.01) C12N 9/88 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01) C12N 15/80 (2006.01) C12P 7/44 (2006.01) C12P 7/46 (2006.01) C12P 7/64 (2006.01)**
[25] EN
[54] **BIOLOGICAL METHODS FOR MODIFYING CELLULAR CARBON FLUX**
[54] **PROCEDES BIOLOGIQUES POUR MODIFIER UN FLUX DE CARBONE CELLULAIRE**
[72] BEARDSLEE, TOM, US
[71] RADICI CHIMICA S.P.A., IT
[85] 2020-01-10
[86] 2018-07-11 (PCT/US2018/041576)
[87] (WO2019/014309)
[30] US (62/532,292) 2017-07-13

[21] **3,069,699**
[13] A1
[51] **Int.Cl. A61K 31/135 (2006.01) A61K 31/155 (2006.01) C07C 211/32 (2006.01)**
[25] EN
[54] **ANALOGS OF CYCLOBENZAPRINE AND AMITRYPTILENE**
[54] **ANALOGUES DE CYCLOBENZAPRINE ET D'AMITRYPTILENE**
[72] LEDERMAN, SETH, US
[72] RIDEOUT, DARRYL, US
[72] SULLIVAN, GREG, US
[71] TONIX PHARMACEUTICALS HOLDING CORP., US
[85] 2020-01-10
[86] 2018-07-13 (PCT/US2018/042184)
[87] (WO2019/014651)
[30] US (62/532,353) 2017-07-13

[21] **3,069,701**
[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PREVENTING AND TREATING RADIATION-INDUCED BYSTANDER EFFECTS CAUSED BY RADIATION OR RADIOTHERAPY**
[54] **COMPOSITIONS ET METHODES DE PREVENTION ET DE TRAITEMENT D'EFFETS DE PROXIMITE INDUITS PAR RAYONNEMENT PROVOQUES PAR UN RAYONNEMENT OU UNE RADIOTHERAPIE**
[72] XUE, DING, US
[72] PENG, YU, CN
[72] ZHANG, MAN, CN
[72] ZHENG, LINGJUN, US
[72] LIANG, QIAN, CN
[72] LI, HANZENG, US
[72] YU, JAU-SONG, TW
[72] CHEN, JENG-TING, TW
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, US
[85] 2020-01-10
[86] 2018-07-17 (PCT/US2018/042569)
[87] (WO2019/018451)
[30] US (62/533,272) 2017-07-17

[21] **3,069,703**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 9/00 (2006.01) A61K 31/198 (2006.01) A61P 25/00 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR TREATING STRESS-RELATED DISORDERS**
[54] **COMPOSITIONS POUR LE TRAITEMENT DE TROUBLES LIES AU STRESS**
[72] HOFFMAN, STEVEN, US
[72] ROTHMAN, JOHN, US
[71] HOFFMAN TECHNOLOGIES, INC., US
[85] 2020-01-10
[86] 2018-07-19 (PCT/US2018/042874)
[87] (WO2019/018633)
[30] US (15/653,837) 2017-07-19
[30] US (62/628,687) 2018-02-09

[21] **3,069,706**
[13] A1
[51] **Int.Cl. G02B 6/36 (2006.01)**
[25] EN
[54] **ULTRA-SMALL FORM FACTOR OPTICAL CONNECTORS**
[54] **CONNECTEURS OPTIQUES A TRES FAIBLE ENCOMBREMENT**
[72] TAKANO, KAZUYOSHI, US
[72] CHANG, JIMMY JUN-FU, US
[71] SENKO ADVANCED COMPONENTS, INC., US
[85] 2020-01-10
[86] 2018-07-16 (PCT/US2018/042202)
[87] (WO2019/014659)
[30] US (62/532,710) 2017-07-14
[30] US (62/549,655) 2017-08-24
[30] US (62/588,276) 2017-11-17
[30] US (16/035,691) 2018-07-15
[30] US (16/035,695) 2018-07-15

[21] **3,069,708**
[13] A1
[51] **Int.Cl. C07H 21/04 (2006.01) C07K 14/415 (2006.01) C12N 1/16 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 9/02 (2006.01) C12N 9/88 (2006.01) C12N 9/96 (2006.01) C12N 15/09 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **BIOLOGICAL METHODS FOR PREPARING TERPENES**
[54] **PROCEDES BIOLOGIQUES POUR LA PREPARATION DE TERPENES**
[72] AELING, KIMBELY ANN, US
[72] DE WALS, PIERRE-YVES, US
[72] SCOTT, ERIN, US
[72] KNIGHT, ERIC, US
[72] YI, JIAN, US
[72] WALBRIDGE, MICHAEL, US
[72] BEARDSLEE, THOMAS, US
[71] RADICI CHIMICA S.P.A., IT
[85] 2020-01-10
[86] 2018-07-11 (PCT/US2018/041579)
[87] (WO2019/014310)
[30] US (62/532,297) 2017-07-13

[21] **3,069,709**
[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01) A61F 2/14 (2006.01) G02B 1/08 (2006.01) G02B 5/30 (2006.01) G02C 7/02 (2006.01)**
[25] EN
[54] **BIREFRINGENT INTRAOCULAR LENS**
[54] **LENTILLE INTRAOCULAIRE BIREFRINGENTE**
[72] KONDIS, JOHN, US
[72] GOLDSHLEGER, ILYA, US
[71] RXSIGHT, INC., US
[85] 2020-01-09
[86] 2018-07-30 (PCT/US2018/044451)
[87] (WO2019/027936)
[30] US (15/665,410) 2017-07-31

[21] **3,069,710**
[13] A1
[51] **Int.Cl. E21B 49/00 (2006.01)**
[25] EN
[54] **DATA ACQUISITION AND SIGNAL DETECTION THROUGH RFID SYSTEM AND METHOD**
[54] **ACQUISITION DE DONNEES ET DETECTION DE SIGNAL PAR L'INTERMEDIAIRE D'UN SYSTEME RFID ET PROCEDE**
[72] RAMJIT, AVINASH L., US
[72] ZBRANEK, ZACHARY L., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2020-01-09
[86] 2018-08-01 (PCT/US2018/044751)
[87] (WO2019/028107)
[30] US (62/539,625) 2017-08-01

[21] **3,069,711**
[13] A1
[51] **Int.Cl. H04W 72/12 (2009.01) H04W 72/04 (2009.01) H04W 74/08 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **SR CONFIGURATION FOR ENABLING SERVICES OF DIFFERENT PRIORITIES**
[54] **CONFIGURATION DE SR POUR L'ACTIVATION DE SERVICES DE DIFFERENTES PRIORITES**
[72] LI, CHIH-PING, US
[72] CHEN, WANSHI, US
[72] HORN, GAVIN BERNARD, US
[72] JIANG, JING, US
[72] HE, LINHAI, US
[72] HOSSEINI, SEYEDKIANOUSH, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-01-09
[86] 2018-08-09 (PCT/US2018/046000)
[87] (WO2019/032822)
[30] US (62/544,701) 2017-08-11
[30] US (16/058,731) 2018-08-08

[21] **3,069,712**
[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **PRIORITIZED RANDOM ACCESS PROCEDURE**
[54] **PROCEDURE D'ACCES ALEATOIRE HIERARCHIQUE**
[72] HE, LINHAI, US
[72] HORN, GAVIN BERNARD, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-01-09
[86] 2018-08-21 (PCT/US2018/047198)
[87] (WO2019/040415)
[30] US (62/548,291) 2017-08-21
[30] US (16/105,750) 2018-08-20

[21] **3,069,713**
[13] A1
[51] **Int.Cl. E21B 37/00 (2006.01) E21B 17/10 (2006.01)**
[25] EN
[54] **A RUNNING TOOL AND METHOD OF CLEANING A DOWNHOLE WELL CASING**
[54] **OUTIL DE POSE ET PROCEDE DE NETTOYAGE D'UN TUBAGE DE PUITS EN PROFONDEUR DE FORAGE**
[72] STAUTZENBERGER, ARTHUR TERRY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-01-09
[86] 2018-11-27 (PCT/US2018/062607)
[87] (WO2019/104322)
[30] US (62/591,025) 2017-11-27

[21] **3,069,718**
[13] A1
[51] **Int.Cl. C10M 141/12 (2006.01)**
[25] EN
[54] **LOW ZINC LUBRICANT COMPOSITION**
[54] **COMPOSITION DE LUBRIFIANT A FAIBLE TENEUR EN ZINC**
[72] JONES, JOANNE L., GB
[72] DAVIES, MARK C., CN
[72] SUTTON, MICHAEL R., GB
[72] MOSIER, PATRICK E., US
[71] THE LUBRIZOL CORPORATION, US
[85] 2020-01-10
[86] 2018-07-17 (PCT/US2018/042369)
[87] (WO2019/018326)
[30] US (62/533,297) 2017-07-17

[21] **3,069,720**
[13] A1
[51] **Int.Cl. A61K 31/165 (2006.01) A61P 29/02 (2006.01) C07C 237/42 (2006.01) C07D 213/81 (2006.01) C07D 213/82 (2006.01)**
[25] EN
[54] **CARBOXAMIDES AS MODULATORS OF SODIUM CHANNELS**
[54] **CARBOXAMIDES UTILISES EN TANT QU'INHIBITEURS DES CANAUX SODIQUES**
[72] AHMAD, NADIA, US
[72] ANDERSON, COREY, US
[72] ARUMUGAM, VIJAYALAKSMI, US
[72] ASGIAN, IULIANA LUCI, US
[72] CAMP, JOANNE LOUISE, US
[72] FANNING, LEV TYLER DEWEY, US
[72] HADIDA RUAH, SARA SABINA, US
[72] HURLEY, DENNIS, US
[72] SCHMIDT, YVONNE, US
[72] SHAW, DAVID, US
[72] SHETH, URVI JAGDISHBHAI, US
[72] THOMSON, STEPHEN ANDREW, US
[72] MEIRELES, LIDIO MARX CARVALHO, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2020-01-10
[86] 2018-07-11 (PCT/US2018/041649)
[87] (WO2019/014352)
[30] US (62/531,313) 2017-07-11
[30] US (62,608,283) 2017-12-20

[21] **3,069,723**
[13] A1
[51] **Int.Cl. H01S 5/34 (2006.01) H01S 5/183 (2006.01)**
[25] EN
[54] **MID-INFRARED VERTICAL CAVITY LASER**
[54] **LASER A CAVITE VERTICALE DANS L'INFRAROUGE MOYEN**
[72] JAYARAMAN, VIJAYSEKHAR, US
[72] LASCOLA, KEVIN, US
[72] SEGAL, STEPHEN, US
[72] TOWNER, FREDRICK, US
[72] CABLE, ALEX, US
[71] THORLABS,INC., US
[71] PRAEVIUM RESEARCH, INC., US
[85] 2020-01-10
[86] 2018-07-17 (PCT/US2018/042512)
[87] (WO2019/018411)
[30] US (62/533,501) 2017-07-17

[21] **3,069,724**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 7/06 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **ITERATIVE REAL-TIME STEERING OF A DRILL BIT**
[54] **ORIENTATION ITERATIVE EN TEMPS REEL D'UN TREPAN**
[72] MADASU, SRINATH, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[72] SAMUEL, ROBELLO, US
[72] RAIZADA, NISHANT, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-01-10
[86] 2017-08-21 (PCT/US2017/047748)
[87] (WO2019/040039)

[21] **3,069,725**
[13] A1
[51] **Int.Cl. B61G 7/00 (2006.01) B61G 7/10 (2006.01) B61G 9/04 (2006.01) B61G 9/12 (2006.01) B61G 9/22 (2006.01) B61G 11/00 (2006.01) B61G 11/18 (2006.01)**
[25] EN
[54] **RAILROAD CAR COUPLING SYSTEM**
[54] **SYSTEME D'ACCOUPLEMENT DE WAGON**
[72] SCHOEDL, ERICH A., US
[72] JAMES, KENNETH A., US
[72] KRIES, ANDY R., US
[71] MINER ENTERPRISES, INC., US
[85] 2020-01-10
[86] 2018-01-29 (PCT/US2018/015665)
[87] (WO2018/148042)
[30] US (15/429,911) 2017-02-10

[21] **3,069,727**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 7/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO IMPROVE DIRECTIONAL DRILLING**
[54] **SYSTEMES ET PROCEDES POUR AMELIORER LE FORAGE DIRECTIONNEL**
[72] ZHAO, YIMING, US
[72] ZALLUHOGLU, UMUT, US
[72] MARCK, JULIEN, US
[72] DARBE, ROBERT, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-01-10
[86] 2017-12-28 (PCT/US2017/068767)
[87] (WO2019/132929)

[21] **3,069,728**
[13] A1
[51] **Int.Cl. G01N 35/00 (2006.01) G01N 1/28 (2006.01)**
[25] EN
[54] **SAMPLE PROCESSING APPARATUS WITH INTEGRATED HEATER, SHAKER AND MAGNET**
[54] **APPAREIL DE TRAITEMENT D'ECHANTILLONS AVEC ELEMENT CHAUFFANT INTEGRE, AGITATEUR ET AIMANT**
[72] SIOW, CHAI SIONG, US
[72] KHOR, THUAN-KHIM, US
[72] KNORR, DAVID, US
[71] AGILENT TECHNOLOGIES, INC., US
[85] 2020-01-10
[86] 2018-06-01 (PCT/US2018/035530)
[87] (WO2019/027561)
[30] US (15/668,039) 2017-08-03

[21] **3,069,729**
[13] A1
[51] **Int.Cl. A61G 7/10 (2006.01) A61G 13/12 (2006.01) A61G 7/005 (2006.01) A61G 7/075 (2006.01) A61G 13/04 (2006.01)**
[25] EN
[54] **PATIENT POSITIONING AND SUPPORT SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT ET DE SOUTIEN DE PATIENT**
[72] KEA, ALEX D., US
[72] FLETCHER, HESTER C., US
[72] BECK, DAVID P., US
[72] FLORES, MICHAEL P., US
[71] SAGE PRODUCTS, LLC, US
[85] 2020-01-10
[86] 2018-06-13 (PCT/US2018/037372)
[87] (WO2018/232012)
[30] US (62/518,668) 2017-06-13

[21] **3,069,730**
[13] A1
[51] **Int.Cl. B60W 30/14 (2006.01) B60W 30/18 (2012.01) B60W 40/02 (2006.01) G05D 1/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROVIDING REMOTE ASSISTANCE TO A VEHICLE**
[54] **PROCEDES ET SYSTEMES POUR FOURNIR UNE ASSISTANCE A DISTANCE A UN VEHICULE**
[72] FAIRFIELD, NATHANIEL, US
[72] DOLGOV, DMITRI, US
[72] HERBACH, JOSHUA, US
[71] WAYMO LLC, US
[85] 2020-01-10
[86] 2018-06-18 (PCT/US2018/037994)
[87] (WO2019/013929)
[30] US (15/704,231) 2017-09-14
[30] US (15/704,213) 2017-09-14
[30] US (62/531,087) 2017-07-11
[30] US (62/531,072) 2017-07-11
[30] US (62/531,082) 2017-07-11
[30] US (15/704,194) 2017-09-14

[21] **3,069,731**
[13] A1
[51] **Int.Cl. H04M 3/00 (2006.01) G06M 15/00 (2011.01) G06F 21/50 (2013.01) G06F 21/55 (2013.01) G06N 7/02 (2006.01) H04M 1/64 (2006.01) H04M 1/66 (2006.01) H04M 1/663 (2006.01) H04M 3/22 (2006.01) H04M 3/51 (2006.01) H04M 3/523 (2006.01) H04M 3/527 (2006.01)**
[25] EN
[54] **A FRAUD DETECTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DETECTION DE FRAUDE**
[72] RAO, SRINIVASA, US
[72] WHITELEY, TODD, US
[71] VAIL SYSTEMS, INC., US
[85] 2020-01-10
[86] 2018-06-27 (PCT/US2018/039770)
[87] (WO2019/013974)
[30] US (15/646,532) 2017-07-11

[21] **3,069,732**
[13] A1
[51] **Int.Cl. A61H 23/02 (2006.01) A61F 7/00 (2006.01) A61F 7/02 (2006.01)**
[25] EN
[54] **VIBRATION AND HEAT GENERATION APPARATUS FOR USE WITH COMPRESSION WRAP**
[54] **APPAREIL DE GENERATION DE VIBRATIONS ET DE CHALEUR DESTINE A ETRE UTILISE AVEC UNE SANGLE DE COMPRESSION**
[72] MARTON, ROBERT, US
[72] KATZ, ANTHONY, US
[71] HYPER ICE, INC., US
[85] 2020-01-10
[86] 2018-06-27 (PCT/US2018/039772)
[87] (WO2019/013975)
[30] US (15/650,410) 2017-07-14

[21] **3,069,733**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/16 (2006.01) C07K 7/00 (2006.01) C07K 7/06 (2006.01) C07K 14/00 (2006.01) C07K 14/195 (2006.01)**
[25] EN
[54] **BIOACTIVE POLYPEPTIDES FOR IMPROVEMENTS IN PLANT PROTECTION, GROWTH AND PRODUCTIVITY**
[54] **POLYPEPTIDES BIOACTIFS PERMETTANT DES AMELIORATIONS DE PROTECTION, DE CROISSANCE ET DE PRODUCTIVITE DE PLANTES**
[72] THOMPSON, BRIAN, US
[72] LESLIE, MICHELLE, US
[71] SPOGEN BIOTECH INC., US
[85] 2020-01-10
[86] 2018-07-20 (PCT/US2018/043092)
[87] (WO2019/018768)
[30] US (62/534,710) 2017-07-20

[21] **3,069,736**
[13] A1
[51] **Int.Cl. A01N 43/50 (2006.01) A61K 31/4178 (2006.01)**
[25] EN
[54] **NOVEL BIS-CYCLIC GUANIDINES AS ANTIBACTERIAL AGENTS**
[54] **NOUVELLES GUANIDINES BIS-CYCLIQUES UTILES EN TANT QU'AGENTS ANTIBACTERIENS**
[72] CAI, JIANFENG, US
[72] TENG, PENG, US
[72] NIMMAGADDA, ALEKHYA, US
[71] UNIVERSITY OF SOUTH FLORIDA, US
[85] 2020-01-10
[86] 2018-06-21 (PCT/US2018/038716)
[87] (WO2019/022873)
[30] US (62/536,295) 2017-07-24

[21] **3,069,737**
[13] A1
[51] **Int.Cl. A61K 6/00 (2020.01) A61L 27/38 (2006.01) A61L 27/52 (2006.01)**
[25] EN
[54] **WATER-SOLUBLE HYDROGEL-BASED DENTAL COMPOSITION AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSITION DENTAIRE A BASE D'HYDROGEL HYDROSOLUBLE ET PROCEDES POUR LA PRODUIRE ET L'UTILISER**
[72] JHA, AMIT, US
[72] SIMONTON, THOMAS C., US
[71] DENTSPLY SIRONA INC., US
[85] 2020-01-10
[86] 2018-07-19 (PCT/US2018/042924)
[87] (WO2019/018669)
[30] US (62/583,093) 2017-11-08
[30] US (62/534,288) 2017-07-19

[21] **3,069,738**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12N 15/113 (2010.01) C12Q 1/6813 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6883 (2018.01) C12Q 1/68 (2018.01) G01N 33/50 (2006.01)**
[25] EN
[54] **SMALL RNA PREDICTORS FOR HUNTINGTON'S DISEASE**
[54] **PETITS PREDICTEURS D'ARN POUR LA MALADIE DE HUNTINGTON**
[72] SALZMAN, DAVID, US
[71] SRNALYTICS, INC., US
[85] 2020-01-10
[86] 2018-07-11 (PCT/US2018/041687)
[87] (WO2019/014375)
[30] US (62/530,968) 2017-07-11

[21] **3,069,739**
[13] A1
[51] **Int.Cl. F23L 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR ENHANCING COMBUSTION REACTIONS IN HIGH HEAT TRANSFER ENVIRONMENTS**
[54] **PROCEDE POUR AMELIORER DES REACTIONS DE COMBUSTION DANS DES ENVIRONNEMENTS DE TRANSFERT THERMIQUE ELEVES**
[72] BOOL, LAWRENCE, US
[72] TIAN, KELLY FANGMEI, US
[72] DAMSTEDT, BRADLEY D., US
[72] FRANCIS, ARTHUR W., US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2020-01-10
[86] 2018-07-12 (PCT/US2018/041761)
[87] (WO2019/014417)
[30] US (62/531,549) 2017-07-12
[30] US (16/032,468) 2018-07-11

[21] **3,069,740**
[13] A1
[51] **Int.Cl. A23G 9/28 (2006.01) A23G 9/06 (2006.01) A23G 9/22 (2006.01)**
[25] EN
[54] **ICE CREAM MAKING METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES DE FABRICATION DE CREME GLACEE**
[72] ALBRECHT, DAVID D., US
[71] WELLS ENTERPRISES, INC., US
[85] 2020-01-10
[86] 2018-07-12 (PCT/US2018/041769)
[87] (WO2019/014421)
[30] US (62/532,689) 2017-07-14

[21] **3,069,741**
[13] A1
[51] **Int.Cl. H04W 64/00 (2009.01)**
[25] EN
[54] **PROVISION AND USE OF GAPS FOR REFERENCE SIGNAL TIME DIFFERENCE MEASUREMENTS**
[54] **FOURNITURE ET UTILISATION D'INTERVALLES POUR DES MESURES DE DIFFERENCE DE TEMPS DE SIGNAL DE REFERENCE**
[72] SAHAI, ACHALESHWAR, US
[72] BHATTAD, KAPIL, US
[72] FISCHER, SVEN, US
[72] RICO ALVARINO, ALBERTO, US
[72] DHANDA, MUNGAL SINGH, US
[72] RYU, JAE HO, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-01-10
[86] 2018-08-08 (PCT/US2018/045736)
[87] (WO2019/032658)
[30] IN (201741028437) 2017-08-10
[30] US (16/054,257) 2018-08-03
[30] US (62/543,630) 2017-08-10

[21] **3,069,742**
[13] A1
[51] **Int.Cl. B01J 19/00 (2006.01) B01L 3/00 (2006.01) B05D 3/10 (2006.01) B29C 35/02 (2006.01) C08J 3/24 (2006.01) G01N 33/543 (2006.01) H01L 21/027 (2006.01)**
[25] EN
[54] **SURFACE FUNCTIONALIZATION**
[54] **FONCTIONNALISATION DE SURFACE**
[72] LEVNER, DANIEL, US
[72] KERNS, S. JORDAN, US
[72] PUERTA, JEFFERSON, US
[71] EMULATE, INC., US
[85] 2020-01-10
[86] 2018-07-12 (PCT/US2018/041818)
[87] (WO2019/014441)
[30] US (62/531,705) 2017-07-12

[21] **3,069,745**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4188 (2006.01) A61K 31/519 (2006.01) C07D 471/14 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR THE PREVENTION AND TREATMENT OF MEDICAL DISORDERS AND USES THEREOF**
[54] **COMPOSES POUR LA PREVENTION ET LE TRAITEMENT DE TROUBLES MEDICAUX ET LEURS UTILISATIONS**
[72] NIR, RAPHAEL, US
[72] ZOMER, ELIEZER, US
[72] TRABER, PETER G., US
[72] JOHNSON, JOSEPH M., US
[72] GEORGE, RYAN, US
[72] SHECHTER, SHARON, US
[71] GALECTIN SCIENCES, LLC, US
[85] 2020-01-10
[86] 2018-08-03 (PCT/US2018/045175)
[87] (WO2019/028357)
[30] US (62/540,860) 2017-08-03

[21] **3,069,746**
[13] A1
[51] **Int.Cl. E21B 4/00 (2006.01) E21B 4/02 (2006.01) F16B 3/00 (2006.01) F16D 1/06 (2006.01) F16D 3/16 (2006.01) F16H 55/18 (2006.01) F16H 55/24 (2006.01) F16H 55/28 (2006.01) F16H 57/12 (2006.01)**
[25] EN
[54] **ARTICULATED UNIVERSAL JOINT WITH BACKLASH REDUCTION**
[54] **JOINT UNIVERSEL ARTICULE A REDUCTION DE JEU**
[72] RITCHIE, SHELDON, US
[72] FEDDEMA, CHAD, US
[71] TURBO DRILL INDUSTRIES, INC., US
[85] 2020-01-10
[86] 2018-07-26 (PCT/US2018/043942)
[87] (WO2019/023486)
[30] US (62/537,607) 2017-07-27

[21] **3,069,747**
[13] A1
[51] **Int.Cl. A61K 39/085 (2006.01) C07K 14/31 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOSITION COMPRISING A FUSION PEPTIDE DERIVED FROM SUPERANTIGEN TOXOIDS**
[54] **COMPOSITION IMMUNOGENE COMPRENANT UN PEPTIDE DE FUSION DERIVE DE TOXOIDES DE SUPERANTIGENES**
[72] AMAN, MOHAMMAD JAVAD, US
[72] KORT, THOMAS, US
[72] VENKATASUBRAMANIAM, ARUNDHATHI, US
[72] WILLISTON, NILS, US
[72] ADHIKARI, RAJAN PRASAD, US
[72] HOLTSBERG, FREDERICK W., US
[71] INTEGRATED BIOTHERAPEUTICS, INC., US
[85] 2020-01-10
[86] 2018-07-25 (PCT/US2018/043687)
[87] (WO2019/023341)
[30] US (62/537,706) 2017-07-27

[21] **3,069,748**
[13] A1
[51] **Int.Cl. A61B 17/122 (2006.01) A61B 17/128 (2006.01) A61B 90/00 (2016.01)**
[25] EN
[54] **RELOADABLE AND ROTATABLE CLIP**
[54] **PINCE RECHARGEABLE ET ROTATIVE**
[72] ESTEVEZ, RAMON, US
[72] SUON, NAROUN, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2020-01-10
[86] 2018-08-29 (PCT/US2018/048610)
[87] (WO2019/067149)
[30] US (62/564,805) 2017-09-28

[21] **3,069,749**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 9/22 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TARGETED GENOME EDITING**
[54] **SYSTEMES ET PROCEDES D'EDITION GENOMIQUE CIBLEE**
[72] BAUMGARTEN, ANDREW, US
[72] GERKE, JUSTIN P., US
[72] GUO, HUI, US
[72] KING, MATTHEW G., US
[72] LIN, HAINING, US
[72] MEELEY, ROBERT B., US
[72] PETERSON-BURCH, BROOKE, US
[72] ZHANG, YUN, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2020-01-10
[86] 2018-07-27 (PCT/US2018/044112)
[87] (WO2019/023590)
[30] US (62/538,213) 2017-07-28
[30] US (62/573,402) 2017-10-17

[21] **3,069,750**
[13] A1
[51] **Int.Cl. G16H 40/20 (2018.01) G16H 40/67 (2018.01)**
[25] EN
[54] **TRACKING PROGRAM INTERFACE**
[54] **INTERFACE DE PROGRAMME DE SUIVI**
[72] GALLAGHER, THOMAS A., US
[72] DOUGLAS, KATHRYN, US
[71] EPISODE SOLUTIONS, LLC, US
[85] 2020-01-10
[86] 2018-08-02 (PCT/US2018/044951)
[87] (WO2019/028220)
[30] US (62/540,931) 2017-08-03
[30] US (16/052,351) 2018-08-01

[21] **3,069,751**
[13] A1
[51] **Int.Cl. B22D 41/00 (2006.01) B22D 41/02 (2006.01)**
[25] EN
[54] **REFRACTORY LINING STRUCTURE**
[54] **STRUCTURE DE REVETEMENT REFRACTAIRE**
[72] MOHANTY, BEDA, US
[72] SCHANER, DANIEL T., US
[72] RICHARDSON, JR., ROBERT L., US
[71] VESUVIUS USA CORPORATION, US
[85] 2020-01-10
[86] 2018-08-21 (PCT/US2018/047253)
[87] (WO2019/046042)
[30] US (62/551,509) 2017-08-29

[21] **3,069,752**
[13] A1
[51] **Int.Cl. A61B 6/04 (2006.01)**
[25] EN
[54] **BREAST COMPRESSION PADDLE WITH ACCESS CORNERS**
[54] **PLAQUE DE COMPRESSION DU SEIN POURVUE DE COINS D'ACCES**
[72] BANKS, MELISSA, US
[72] BERKO, MALLORY, US
[72] CABLE, FRANK, US
[72] TARPIT, PATEL, US
[72] DEFREITAS, KENNETH F., US
[72] STANGO, TIMOTHY R., US
[71] HOLOGIC, INC., US
[85] 2020-01-10
[86] 2018-08-10 (PCT/US2018/046312)
[87] (WO2019/033029)
[30] US (62/544,615) 2017-08-11

[21] **3,069,753**
[13] A1
[51] **Int.Cl. A61M 1/28 (2006.01)**
[25] EN
[54] **DIALYSIS SOLUTION WASTE MINIMIZATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE REDUCTION DES DECHETS DE SOLUTION DE DIALYSE**
[72] BIEWER, JOHN A., US
[72] PLAHEY, KULWINDER S., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-01-10
[86] 2018-09-20 (PCT/US2018/052036)
[87] (WO2019/060603)
[30] US (15/711,114) 2017-09-21

[21] **3,069,754**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6886 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CANCER DETECTION AND CLASSIFICATION USING METHYLOME ANALYSIS**
[54] **DETECTION ET CLASSIFICATION DE CANCER A L'AIDE D'ANALYSE DE METHYLOME**
[72] DE CARVALHO, DANIEL DINIZ, CA
[72] BRATMAN, SCOTT VICTOR, CA
[72] SINGHANIA, RAJAT, CA
[72] CHAKRAVARTHY, ANKUR RAVINARAYANA, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2020-01-13
[86] 2018-07-11 (PCT/CA2018/000141)
[87] (WO2019/010564)
[30] US (62/531,527) 2017-07-12

[21] **3,069,755**
[13] A1
[51] **Int.Cl. B01J 19/24 (2006.01) B01J 19/12 (2006.01) C02F 1/30 (2006.01) C02F 1/32 (2006.01)**
[25] EN
[54] **UV-LED PHOTOREACTORS WITH CONTROLLED RADIATION AND HYDRODYNAMICS AND METHODS FOR FABRICATION AND USE OF SAME**
[54] **PHOTOREACTEURS DEL UV A RAYONNEMENT ET HYDRODYNAMIQUE COMMANDES ET PROCEDES DE FABRICATION ET D'UTILISATION DE CEUX-CI**
[72] TAGHIPOUR, FARIBORZ, CA
[71] THE UNIVERSITY OF BRITISH COLUMIBA, CA
[85] 2020-01-13
[86] 2018-07-19 (PCT/CA2018/050879)
[87] (WO2019/014770)
[30] US (62/534,637) 2017-07-19

[21] **3,069,756**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **HIGH CONCENTRATION ANTI-C5 ANTIBODY FORMULATIONS**
[54] **FORMULES D'ANTICORPS ANTI-C5 A HAUTE CONCENTRATION**
[72] ORTIZ, STEPHAN, US
[72] GENTILE, JILLIAN, US
[72] PHILOMINATHAN, LEENA, US
[72] ROUTHIER, ERIC, US
[72] MASON, BRUCE, US
[71] ALEXION PHARMACEUTICAL, INC., US
[85] 2020-01-10
[86] 2018-07-27 (PCT/US2018/044071)
[87] (WO2019/023564)
[30] US (62/537,741) 2017-07-27

[21] **3,069,757**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04L 5/14 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS RELATED TO DEMODULATION REFERENCE SIGNAL DESIGN AND RELATED SIGNALING**
[54] **PROCEDES ET APPAREIL LIES A LA CONCEPTION D'UN SIGNAL DE REFERENCE DE DEMODULATION ET SIGNALISATION ASSOCIEE**
[72] MANOLAKOS, ALEXANDROS, US
[72] YOO, JAE WON, US
[72] SANKAR, HARI, US
[72] HUANG, YI, US
[72] CHEN, WANSHI, US
[72] MONTOJO, JUAN, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-01-10
[86] 2018-07-25 (PCT/US2018/043732)
[87] (WO2019/032296)
[30] US (62/544,705) 2017-08-11
[30] US (16/044,385) 2018-07-24

[21] **3,069,758**
[13] A1
[51] **Int.Cl. A63B 71/06 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **MOBILE SYSTEM ALLOWING ADAPTATION OF THE RUNNER'S CADENCE**
[54] **SYSTEME MOBILE PERMETTANT L'ADAPTATION DE LA CADENCE D'UN COUREUR**
[72] BARDY, BENOIT, FR
[72] DALLA BELLA, SIMONE, FR
[72] DAMM, LOIC, FR
[72] DOTOV, DOBRI, MX
[72] VAROQUI, DEBORAH, FR
[72] BUHMANN, JESKA, BE
[72] LEMAN, MARC, BE
[72] MOENS, BART, BE
[72] VAN DYCK, EDITH, BE
[72] O'LEARY, SEAN, IE
[72] TIMONEY, JOSEPH, IE
[72] VILLING, RUDI, IE
[72] WARD, TOMAS, IE
[72] COCHEN DE COCK, VALERIE, FR
[71] UNIVERSITEIT GENT, BE
[71] CENTRE HOSPITALIER ET UNIVERSITAIRE DE MONTPELLIER, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[71] CLINIQUE BEAU-SOLEIL, FR
[71] MAYNOOTH UNIVERSITY, IE
[85] 2020-01-13
[86] 2018-07-26 (PCT/EP2018/070318)
[87] (WO2019/020755)
[30] US (62/537 558) 2017-07-27

[21] **3,069,759**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04W 24/02 (2009.01) H04W 76/10 (2018.01)**
[25] EN
[54] **RADIO RESOURCE CONFIGURATION SYNCHRONIZATION**
[54] **SYNCHRONISATION DE CONFIGURATION DE RESSOURCES RADIO**
[72] PARK, KYUNGMIN, US
[72] DINAN, ESMAEL, US
[72] JEON, HYOUNGSUK, US
[72] ZHOU, HUA, US
[72] BABAEI, ALIREZA, US
[71] OFINNO, LLC, US
[85] 2020-01-10
[86] 2018-08-10 (PCT/US2018/046270)
[87] (WO2019/032997)
[30] US (62/543,847) 2017-08-10
[30] US (62/543,839) 2017-08-10
[30] US (62/543,836) 2017-08-10
[30] US (62/543,841) 2017-08-10

[21] **3,069,760**
[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 35/742 (2015.01) A23L 33/135 (2016.01) A61K 35/66 (2015.01) A61K 38/12 (2006.01)**
[25] FR
[54] **COMPOSITION COMPRISING A HIGH CONCENTRATION OF ITURIN LIPOPEPTIDES**
[54] **COMPOSITION COMPRENANT UNE CONCENTRATION ELEVEE EN LIPOPEPTIDES ITURINIQUES**
[72] COUTTE, FRANCOIS, FR
[72] DELECROIX, ARNAUD, FR
[72] EL GHAZOUANI, ABDELNASSER, FR
[72] JACQUES, PHILIPPE, BE
[71] LIPOFABRIK, FR
[85] 2020-01-13
[86] 2018-07-23 (PCT/FR2018/051883)
[87] (WO2019/016492)
[30] FR (17/56909) 2017-07-21

[21] **3,069,761**
[13] A1
[51] **Int.Cl. A61M 1/28 (2006.01) A61M 1/16 (2006.01)**
[25] EN
[54] **HYDROPHOBIC FILTERS FOR AIR MANAGEMENT IN DIALYSIS MACHINES**
[54] **FILTRES HYDROPHOBES POUR LA GESTION DE L'AIR DANS DES MACHINES DE DIALYSE**
[72] PLAHEY, KULWINDER S., US
[72] BIEWER, JOHN A., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-01-10
[86] 2018-09-10 (PCT/US2018/050236)
[87] (WO2019/051394)
[30] US (62/557,061) 2017-09-11

[21] **3,069,762**
[13] A1
[51] **Int.Cl. A61K 39/39 (2006.01) C12N 15/117 (2010.01) A23K 20/153 (2016.01) A61K 9/127 (2006.01) A61K 9/14 (2006.01) A61K 9/72 (2006.01) A61K 39/00 (2006.01) A61K 47/10 (2017.01) A61P 37/04 (2006.01) C07H 21/04 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR INDUCING PROTECTIVE IMMUNITY**
[54] **PROCEDES ET COMPOSITIONS POUR INDUIRE UNE IMMUNITE PROTECTRICE**
[72] GOMIS, SUSANTHA, CA
[72] POPOWICH, SHELLY, CA
[72] GOONEWARDENE, KALHARI VENUKALA BANDARA, CA
[72] TIKOO, SURESH, CA
[72] FOLDVARI, MARIANNA, CA
[71] UNIVERSITY OF SASKATCHEWAN, CA
[85] 2020-01-13
[86] 2018-07-17 (PCT/CA2018/050866)
[87] (WO2019/014761)
[30] US (62/533,373) 2017-07-17

[21] **3,069,763**
[13] A1
[51] **Int.Cl. A61L 27/18 (2006.01) A61L 27/44 (2006.01) A61L 29/06 (2006.01) A61L 29/12 (2006.01) A61L 31/06 (2006.01) A61L 31/12 (2006.01) B32B 27/30 (2006.01) B32B 27/40 (2006.01)**
[25] FR
[54] **FLEXIBLE BARRIER MEMBRANE AND METHOD FOR PRODUCING THE FLEXIBLE BARRIER MEMBRANE**
[54] **MEMBRANE BARRIERE FLEXIBLE ET PROCEDE DE FABRICATION DE LA MEMBRANE BARRIERE FLEXIBLE**
[72] GRIMME, MARC, FR
[72] DUBUIS, PASCAL, FR
[72] KOUN, MALYS-CLAIRE, FR
[72] MARAIS, STEPHANE, FR
[72] MARCANO ZERPA, ARACELYS MARIA, FR
[72] FATYEYEVA, KATERYNA, FR
[72] PONCIN-EPAILLARD, FABIENNE, FR
[71] CARMAT, FR
[85] 2020-01-13
[86] 2018-06-26 (PCT/FR2018/051562)
[87] (WO2019/102085)
[30] FR (1756847) 2017-07-19

[21] **3,069,764**
[13] A1
[51] **Int.Cl. G01N 27/327 (2006.01) C12Q 1/00 (2006.01)**
[25] FR
[54] **ELECTROCHEMICAL STRIPS FOR MONITORING THE DEGRADATION OF BODY FAT AND METHOD FOR PREPARING SAME**
[54] **BANDELETTES ELECTROCHIMIQUES PERMETTANT LE SUIVI DE LA DEGRADATION DES GRAISSES DE L'ORGANISME ET LEUR PROCEDE DE PREPARATION**
[72] DELILE, SEBASTIEN, FR
[72] TORRE, CYRIL, FR
[71] LSEE, FR
[85] 2020-01-13
[86] 2018-07-13 (PCT/FR2018/051781)
[87] (WO2019/016451)
[30] FR (1756898) 2017-07-20

[21] **3,069,765**
[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/30 (2006.01) B32B 27/36 (2006.01)**
[25] FR
[54] **HYBRID POLYMER FOR VISCO-ELASTIC PLASTIC SPACER**
[54] **POLYMERE HYBRIDE POUR INTERCALAIRE PLASTIQUE VISCOELASTIQUE**
[72] BOUILLET, FABIEN, FR
[72] SHACKLEFORD, DAVID, US
[72] REBUFA, JOCELYN, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-01-13
[86] 2018-07-23 (PCT/FR2018/051887)
[87] (WO2019/020923)
[30] FR (1757020) 2017-07-24

[21] **3,069,766**
[13] A1
[51] **Int.Cl. C03C 3/089 (2006.01) C03C 13/06 (2006.01)**
[25] FR
[54] **MINERAL FIBRES**
[54] **FIBRES MINERALES**
[72] CLAIREAUX, CORINNE, FR
[72] BERNARD, JEAN-LUC, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2020-01-13
[86] 2018-07-24 (PCT/FR2018/051890)
[87] (WO2019/020925)
[30] FR (1757027) 2017-07-25

[21] **3,069,767**
[13] A1
[51] **Int.Cl. F15B 15/28 (2006.01) F15B 15/14 (2006.01)**
[25] FR
[54] **HYDRAULIC CYLINDER AND FACILITY IMPLEMENTING AT LEAST ONE SUCH HYDRAULIC CYLINDER**
[54] **VERIN HYDRAULIQUE ET INSTALLATION METTANT EN OEUVRE AU MOINS UN TEL VERIN HYDRAULIQUE**
[72] RODRIGUES DA COSTA, JOSE, FR
[71] HYDRAULIQUE PRODUCTION SYSTEMS, FR
[85] 2020-01-13
[86] 2018-07-03 (PCT/EP2018/067885)
[87] (WO2019/011714)
[30] EP (17181477.5) 2017-07-14

[21] **3,069,768**
[13] A1
[51] **Int.Cl. B66C 23/90 (2006.01) B66C 13/18 (2006.01) B66C 15/00 (2006.01) B66F 17/00 (2006.01)**
[25] FR
[54] **CONTROL OF A HANDLING MACHINE**
[54] **COMMANDE D'UNE MACHINE DE MANUTENTION**
[72] CADOU, SYLVAIN, FR
[71] MANITOU BF, FR
[85] 2020-01-13
[86] 2018-07-09 (PCT/EP2018/068552)
[87] (WO2019/016013)
[30] EP (17181714.1) 2017-07-17

[21] **3,069,769**
[13] A1
[51] **Int.Cl. B66C 23/90 (2006.01) B66C 13/18 (2006.01) B66C 15/00 (2006.01) B66F 17/00 (2006.01)**
[25] FR
[54] **CONTROL OF A HANDLING MACHINE**
[54] **COMMANDE D'UNE MACHINE DE MANUTENTION**
[72] CADOU, SYLVAIN, FR
[71] MANITOU BF, FR
[85] 2020-01-13
[86] 2018-07-09 (PCT/EP2018/068554)
[87] (WO2019/016014)
[30] EP (17181715.8) 2017-07-17

[21] **3,069,770**
[13] A1
[51] **Int.Cl. E01B 7/10 (2006.01) B23K 35/30 (2006.01) E01B 7/12 (2006.01) E01B 11/50 (2006.01) C21D 9/04 (2006.01)**
[25] FR
[54] **FROG FOR SWITCHES AND CROSSINGS**
[54] **COEUR DE CROISEMENT POUR APPAREIL DE VOIE**
[72] BARRESI, FRANCESCO, FR
[72] SCHMITT, SYLVAIN, FR
[71] VOSSLOH COGIFER, FR
[85] 2020-01-13
[86] 2018-07-20 (PCT/FR2018/051869)
[87] (WO2019/016490)
[30] FR (17 56903) 2017-07-20

[21] **3,069,771**
[13] A1
[51] **Int.Cl. C22C 14/00 (2006.01) B33Y 70/00 (2020.01) B22F 1/00 (2006.01)**
[25] EN
[54] **CUSTOM TITANIUM ALLOY, TI-64, 23+**
[54] **ALLIAGE DE TITANE A FACON, TI-64, 23+**
[72] YOLTON, CHARLES F., US
[71] CARPENTER TECHNOLOGY CORPORATION, US
[85] 2020-01-12
[86] 2018-07-18 (PCT/US2018/042578)
[87] (WO2019/018458)
[30] US (62/533,695) 2017-07-18

[21] **3,069,772**
[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01) H04S 7/00 (2006.01) G10L 21/0272 (2013.01) G06F 3/01 (2006.01)**
[25] EN
[54] **CONCEPT FOR GENERATING AN ENHANCED SOUND-FIELD DESCRIPTION OR A MODIFIED SOUND FIELD DESCRIPTION USING A DEPTH-EXTENDED DIRAC TECHNIQUE OR OTHER TECHNIQUES**
[54] **CONCEPT POUR GENERER UNE DESCRIPTION DE CHAMP SONORE AMELIOREE OU UNE DESCRIPTION DE CHAMP SONORE MODIFIEE A L'AIDE D'UNE TECHNIQUE DE DIRAC ETENDUE EN PROFONDEUR OU D'AUTRES TECHNIQUES**
[72] HERRE, JUERGEN, DE
[72] HABETS, EMANUEL, DE
[72] PLINGE, AXEL, DE
[72] THIERGART, OLIVER, DE
[72] KUECH, FABIAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-01-13
[86] 2018-07-13 (PCT/EP2018/069147)
[87] (WO2019/012135)

[21] **3,069,773**
[13] A1
[51] **Int.Cl. C07D 413/12 (2006.01) A61K 31/5377 (2006.01) A61P 1/00 (2006.01) A61P 3/10 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **SALT OF SUBSTITUTED UREA DERIVATIVE AND USE THEREOF IN MEDICINE**
[54] **SEL DE DERIVE D'UREE SUBSTITUE ET SON UTILISATION EN MEDECINE**
[72] CHEN, LIANG, CN
[72] LI, CHENGXI, CN
[72] LIU, BING, CN
[72] ZHANG, YINGJUN, CN
[72] CHENG, CHANGCHUNG, CN
[71] NORTH & SOUTH BROTHER PHARMACY INVESTMENT COMPANY LIMITED, CN
[85] 2020-01-13
[86] 2018-07-11 (PCT/CN2018/095241)
[87] (WO2019/011264)
[30] CN (201710569633.8) 2017-07-13

[21] **3,069,774**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/543 (2006.01) G01N 33/66 (2006.01) G01N 33/74 (2006.01)**
[25] EN
[54] **DETECTION OF INSULIN IN SALIVA AND METHODS OF USE THEREOF**
[54] **DETECTION DE L'INSULINE DANS LA SALIVE ET SES PROCEDES D'UTILISATION**
[72] KIRBY, ANNE MARIE, CA
[71] 1083120 BC LTD., CA
[85] 2020-01-13
[86] 2018-08-20 (PCT/CA2018/051005)
[87] (WO2019/036802)
[30] US (62/548,643) 2017-08-22

[21] **3,069,775**
[13] A1
[51] **Int.Cl. A61K 49/14 (2006.01) A61K 49/18 (2006.01)**
[25] EN
[54] **THERAPEUTIC NANOCONJUGATES AND USES THEREOF**
[54] **NANOCONJUGUES THERAPEUTIQUES ET UTILISATIONS ASSOCIEES**
[72] VILLAVERDE CORRALES, ANTONIO PEDRO, ES
[72] VAZQUEZ GOMEZ, ESTHER, ES
[72] UNZUETA ELORZA, UGUTZ, ES
[72] MANGUES BAFALLUY, RAMON, ES
[72] CESPEDES NAVARRO, MARIA VIRTUDES, ES
[72] CASANOVA RIGAT, ISOLDA, ES
[71] UNIVERSITAT AUTONOMA DE BARCELONA (UAB), ES
[71] FUNDACIO INSTITUT DE RECERCA DE L'HOSPITAL DE LA SANTA CREU I SANT PAU, ES
[71] CONSORCIO CENTRO DE INVESTIGACION BIOMEDICA EN RED, M.P., ES
[85] 2020-01-13
[86] 2018-07-16 (PCT/EP2018/069303)
[87] (WO2019/012157)
[30] EP (17382461.6) 2017-07-14

[21] **3,069,776**
[13] A1
[51] **Int.Cl. C07C 233/18 (2006.01) A61K 31/165 (2006.01) A61P 25/00 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **N-(2-(SUBSTITUTED-NAPHTH-1-YL)ETHYL) SUBSTITUTED AMIDE COMPOUND, PREPARATION AND USES THEREOF**
[54] **COMPOSE AMIDE SUBSTITUE N-(2-(NAPHTH-1-YL SUBSTITUE)ETHYL), SA PREPARATION ET SES UTILISATIONS**
[72] GU, WEI, CN
[72] TAO, HONG, CN
[71] BEIJING GREATWAY PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[85] 2020-01-13
[86] 2018-07-11 (PCT/CN2018/095325)
[87] (WO2019/011279)
[30] CN (201710567041.2) 2017-07-12

[21] **3,069,777**
[13] A1
[51] **Int.Cl. A01G 9/14 (2006.01) A01G 31/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TESTING CONTAMINANTS IN A GROW POD**
[54] **SYSTEME ET PROCEDE D'ANALYSE DE CONTAMINANTS DANS UNE CAPSULE DE CULTURE**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-13
[86] 2018-05-15 (PCT/US2018/032703)
[87] (WO2018/231409)
[30] US (62/519,403) 2017-06-14
[30] US (15/977,399) 2018-05-11

[21] **3,069,778**
[13] A1
[51] **Int.Cl. B61F 5/38 (2006.01) B61F 5/52 (2006.01)**
[25] EN
[54] **BOGIE WHEELSET RADIAL MECHANISM WITH STRUCTURE OF ADJUSTABLE RIGIDITY**
[54] **MECANISME RADIAL D'ESSIEU DE BOGIE AVEC STRUCTURE A RIGIDITE REGLABLE**
[72] WU, CHANG, CN
[72] ZHANG, XIANFENG, CN
[72] DENG, TAO, CN
[72] ZHU, JI, CN
[72] WANG, YUNGUI, CN
[72] LI, ZHIQIANG, CN
[72] LUO, HANJIANG, CN
[72] ZUO, SHIBIN, CN
[72] ZHANG, RUI, CN
[72] LI, SONG, CN
[71] CRRC MEISHAN CO., LTD., CN
[85] 2020-01-13
[86] 2018-11-13 (PCT/CN2018/115214)
[87] (WO2019/100970)
[30] CN (201711202148.3) 2017-11-27

[21] **3,069,779**
[13] A1
[51] **Int.Cl. G06N 3/06 (2006.01) G06N 3/04 (2006.01)**
[25] EN
[54] **NEURAL NETWORK PROCESSING ELEMENT**
[54] **ELEMENT DE TRAITEMENT DE RESEAU NEURONAL**
[72] MOSHOVOS, ANDREAS, CA
[72] SHARIFY, SAYEH, CA
[72] MAHMOUD, MOSTAFA, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2020-01-13
[86] 2019-04-25 (PCT/CA2019/050525)
[87] (WO2019/213745)
[30] US (62/668,363) 2018-05-08

[21] **3,069,780**
[13] A1
[51] **Int.Cl. C07K 14/52 (2006.01) A61K 38/17 (2006.01)**
[25] EN
[54] **MODULATION OF IFI16 AND STING ACTIVITY**
[54] **MODULATION D'IFI16 ET DE L'ACTIVITE STING**
[72] JAKOBSEN, ROELSGAARD MARTIN, DK
[72] PALUDAN, RIIS SOREN, DK
[72] JONSSON, LISAGER KASPER, DK
[71] AARHUS UNIVERSITET, DK
[85] 2020-01-13
[86] 2017-08-09 (PCT/EP2017/070208)
[87] (WO2018/029256)
[30] DK (PA 2016 70606) 2016-08-09
[30] DK (PA 2017 70079) 2017-02-08

[21] **3,069,781**
[13] A1
[51] **Int.Cl. B65D 71/70 (2006.01)**
[25] EN
[54] **PLASTIC PALLET FOR HOLDING SUBSTANTIALLY CYLINDRICAL KEGS**
[54] **PALETTE CONSTITUEE DE MATIERE PLASTIQUE POUR LE LOGEMENT DE TONNELETS SENSIBLEMENT CYLINDRIQUES**
[72] SWARTZ, DENNIS, US
[72] LOFTUS, STEVE, GB
[71] SCHOELLER ALLIBERT GMBH, DE
[85] 2020-01-13
[86] 2017-09-28 (PCT/EP2017/074617)
[87] (WO2019/011455)
[30] DE (10 2017 115 722.0) 2017-07-13

[21] **3,069,782**
[13] A1
[51] **Int.Cl. F16F 7/108 (2006.01) B23B 29/02 (2006.01)**
[25] EN
[54] **DAMPING APPARATUS AND TOOL-HOLDING APPARATUS WITH SUCH A DAMPING APPARATUS**
[54] **DISPOSITIF D'AMORTISSEMENT ET DISPOSITIF DE SUPPORT D'OUTIL COMPRENANT UN TEL DISPOSITIF D'AMORTISSEMENT**
[72] BUCK, GUNTER, DE
[71] WOHLHAUPTER GMBH, DE
[85] 2020-01-13
[86] 2018-07-16 (PCT/EP2018/069312)
[87] (WO2019/016161)
[30] DE (10 2017 116 326.3) 2017-07-19

[21] **3,069,783**
[13] A1
[51] **Int.Cl. H04B 1/713 (2011.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TRANSMITTING A SIGNAL**
[54] **SYSTEME ET PROCEDE DE TRANSMISSION DE SIGNAL**
[72] LIU, KUN, CN
[72] DAI, BO, CN
[72] CHEN, XIANMING, CN
[72] YANG, WEIWEI, CN
[72] FANG, HUIYING, CN
[71] ZTE CORPORATION, CN
[85] 2020-01-13
[86] 2017-07-13 (PCT/CN2017/092813)
[87] (WO2019/010676)

[21] **3,069,784**
[13] A1
[51] **Int.Cl. B64F 5/60 (2017.01) B64F 5/20 (2017.01)**
[25] EN
[54] **DATABASE OF DRONE FLIGHT PLANS FOR AIRCRAFT INSPECTION USING RELATIVE MAPPING**
[54] **BASE DE DONNEES DE PLANS DE VOL DE DRONE POUR INSPECTION D'AERONEF A L'AIDE D'UN MAPPAGE RELATIF**
[72] CHEIKH, STEPHANE, CH
[72] KELLY, MICHAEL GARRY, IE
[71] SITA INFORMATION NETWORKING COMPUTING UK LIMITED, GB
[85] 2020-01-13
[86] 2018-07-13 (PCT/GB2018/052007)
[87] (WO2019/012298)
[30] GB (1711261.6) 2017-07-13

[21] **3,069,785**
[13] A1
[51] **Int.Cl. B62D 55/30 (2006.01) B62D 55/32 (2006.01)**
[25] EN
[54] **MOUNTING ARRANGEMENT FOR TENSIONING UNITS IN TRACKED UNDERCARRIAGES OF LARGE MACHINES**
[54] **DISPOSITIF DE MONTAGE POUR UNITES DE SERRAGE DANS DES MECANISMES DE TRANSLATION A CHENILLE DES GRANDES MACHINES**
[72] SCHWARZ, HENRY, DE
[72] JUNGHANS, JENS, DE
[72] ROSCH, MATTHIAS, DE
[72] SPELDRICH, SEBASTIAN, DE
[71] KOMATSU GERMANY GMBH, DE
[85] 2020-01-13
[86] 2018-04-18 (PCT/EP2018/059840)
[87] (WO2019/015817)
[30] DE (10 2017 116 428.6) 2017-07-20

[21] **3,069,786**
[13] A1
[51] **Int.Cl. C12P 3/00 (2006.01) C01B 25/234 (2006.01) C12N 9/10 (2006.01)**
[25] EN
[54] **METHOD FOR RECOVERING PHOSPHORIC ACID FROM FERMENTATION BROTH OR FERMENTATION WASTE LIQUID AND REUSING THE SAME**
[54] **PROCEDE DE RECUPERATION D'ACIDE PHOSPHORIQUE DANS UNE LIQUEUR DE FERMENTATION OU UNE LIQUEUR RESIDUAIRE DE FERMENTATION, ET REUTILISATION DE CELUI-CI**
[72] KIM, JUN-WOO, KR
[72] KIM, JAEIK, KR
[72] KIM, IL CHUL, KR
[72] LEE, IN SUNG, KR
[72] KANG, SEUNG HOON, KR
[72] KIM, MIN SUP, KR
[72] LEE, KANG HOON, KR
[72] LEE, SEUNG-JE, KR
[72] LEE, CHUNGKWON, KR
[72] JUNG, JUN YOUNG, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2020-01-10
[86] 2018-07-12 (PCT/KR2018/007915)
[87] (WO2019/013570)
[30] KR (10-2017-0089121) 2017-07-13

[21] **3,069,787**
[13] A1
[51] **Int.Cl. A61K 38/31 (2006.01) A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/445 (2006.01) A61K 31/519 (2006.01) A61K 31/5415 (2006.01) A61K 31/7048 (2006.01) A61K 47/34 (2017.01) C08G 63/00 (2006.01) C08L 67/04 (2006.01) C08L 71/02 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE**
[72] ABBASSI, MYRIAM, FR
[72] LOPEZ-NORIEGA, ADOLFO, FR
[72] PEBREL, LEA, FR
[72] PETIT, AUDREY, FR
[72] SERINDOUX, JULIETTE, FR
[72] ROBERGE, CHRISTOPHE, FR
[72] RECH, ANTHONY, FR
[72] CROS, JEAN-MANUEL, FR
[71] MEDINCELL, FR
[71] ROBERGE, CHRISTOPHE, FR
[71] RECH, ANTHONY, FR
[71] CROS, JEAN-MANUEL, FR
[85] 2020-01-13
[86] 2018-07-17 (PCT/EP2018/069439)
[87] (WO2019/016233)
[30] US (62/533,370) 2017-07-17

[21] **3,069,788**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **USE OF CAS PROTEIN, METHOD FOR DETECTING TARGET NUCLEIC ACID MOLECULE, AND KIT**
[54] **APPLICATION D'UNE PROTEINE CAS, PROCEDE DE DETECTION D'UNE MOLECULE D'ACIDE NUCLEIQUE CIBLE ET KIT**
[72] WANG, JIN, CN
[72] CHENG, QIUXIANG, CN
[72] LI, SHIYUAN, CN
[72] LI, XIAOYAN, CN
[72] LI, LINXIAN, CN
[71] SHANGHAI TOLO BIOTECHNOLOGY COMPANY LIMITED, CN
[85] 2020-01-13
[86] 2018-04-12 (PCT/CN2018/082769)
[87] (WO2019/011022)
[30] CN (201710573752.0) 2017-07-14

[21] **3,069,789**
[13] A1
[51] **Int.Cl. A23L 2/58 (2006.01) A23L 5/43 (2016.01) C07D 487/22 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A COLOUR-STABLE PREPARATION OF A MAGNESIUM CHLOROPHYLLIN ALKALI METAL SALT OR ALKALI EARTH METAL SALT FROM NATURAL SOURCES OF CHLOROPHYLL**
[54] **PROCEDE PERMETTANT DE PREPARER UNE PREPARATION STABLE EN COULEUR D'UN SEL DE METAL ALCALIN DE CHLOROPHYLLINE DE MAGNESIUM OU D'UN SEL DE METAL ALCALINO-TERREUX A PARTIR DE SOURCES NATURELLES DE CHLOROPHYLLE**
[72] KENDRICK, ANDREW, GB
[72] THORPE, STUART DAVID, GB
[71] DDW GLOBAL HOLDINGS, LLC., US
[85] 2020-01-10
[86] 2018-07-10 (PCT/US2018/041407)
[87] (WO2019/014194)
[30] US (62/531,081) 2017-07-11

[21] **3,069,790**
[13] A1
[51] **Int.Cl. A61K 36/02 (2006.01) A61K 35/748 (2015.01) A01N 25/12 (2006.01) A01N 25/14 (2006.01)**
[25] EN
[54] **NOVEL CROP FORTIFICATION, NUTRITION AND CROP PROTECTION COMPOSITION**
[54] **NOUVELLE COMPOSITION DE FORTIFICATION, DE NUTRITION ET DE PROTECTION DES CULTURES**
[72] SAWANT, ARUN VITTHAL, IN
[71] SAWANT, ARUN VITTHAL, IN
[85] 2020-01-13
[86] 2018-07-27 (PCT/IB2018/055632)
[87] (WO2019/021250)
[30] IN (201721026745) 2017-07-27

[21] **3,069,791**
[13] A1
[51] **Int.Cl. A61J 3/07 (2006.01) B05C 1/00 (2006.01)**
[25] EN
[54] **LUBRICATION UNIT AND METHOD OF LUBRICATING ENCAPSULATED SOFT GELATIN CAPSULE**
[54] **UNITE DE LUBRIFICATION ET PROCEDE DE LUBRIFICATION DE CAPSULE A ENVELOPPE MOLLE ENCAPSULEE**
[72] BUKUNAKERE, RAMCHANDRAGOWDA THEJASWI, IN
[72] HAFEEZUR, RAHMAN, IN
[71] STRIDES PHARMA SCIENCE LIMITED, IN
[85] 2020-01-13
[86] 2019-06-26 (PCT/IN2019/050480)
[87] (WO2020/003326)
[30] IN (201841021787) 2018-06-26

[21] **3,069,792**
[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) B05B 11/00 (2006.01)**
[25] EN
[54] **NEBULIZER AND RESERVOIR**
[54] **NEBULISEUR ET RESERVOIR**
[72] EICHER, JOACHIM CARL HERBERT, DE
[72] VON SCHUCKMANN, ALFRED, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2020-01-13
[86] 2018-07-23 (PCT/EP2018/069927)
[87] (WO2019/016408)
[30] EP (17020315.2) 2017-07-21
[30] EP (PCT/EP2018/069848) 2018-07-20

[21] **3,069,793**
[13] A1
[51] **Int.Cl. F03G 7/06 (2006.01)**
[25] EN
[54] **SHAPE MEMORY BASED ACTUATOR**
[54] **ACTIONNEUR A MEMOIRE DE FORME**
[72] BLECHA, LUC, CH
[72] PACIOTTI, GABRIEL, CH
[71] ALMATECH SA, CH
[85] 2020-01-13
[86] 2018-08-29 (PCT/IB2018/056595)
[87] (WO2019/043599)
[30] EP (17188787.0) 2017-08-31

[21] **3,069,794**
[13] A1
[51] **Int.Cl. G01S 7/38 (2006.01)**
[25] EN
[54] **RADIO-WAVE DETECTION DEVICE**
[54] **DISPOSITIF DE DETECTION D'ONDES RADIO**
[72] YAMADA, TETSUTARO, JP
[72] TAKAHASHI, YOSHIKI, JP
[72] HARADA, TETSUJI, JP
[72] OBATA, YASUSHI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2020-01-13
[86] 2017-07-28 (PCT/JP2017/027448)
[87] (WO2019/021459)

[21] **3,069,795**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A01N 43/54 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **3-PYRIDYL OXYANILIDE COMPOUND AND USE THEREFOR**
[54] **COMPOSE DE 3-PYRIDYL OXYANILIDE ET SON UTILISATION**
[72] KIJI, TOSHIYUKI, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2020-01-13
[86] 2018-08-17 (PCT/JP2018/030460)
[87] (WO2019/035477)
[30] JP (2017-157833) 2017-08-18
[30] JP (2018-034373) 2018-02-28

[21] **3,069,796**
[13] A1
[51] **Int.Cl. C12N 1/12 (2006.01) C12N 1/00 (2006.01)**
[25] EN
[54] **NOVEL CROP FORTIFICATION, NUTRITION AND CROP PROTECTION COMPOSITION**
[54] **NOUVELLE FORTIFICATION, NUTRITION DES CULTURES ET COMPOSITION DE PROTECTION DES CULTURES**
[72] SAWANT, ARUN VITTHAL, IN
[71] SAWANT, ARUN VITTHAL, IN
[85] 2020-01-13
[86] 2018-07-14 (PCT/IB2018/055225)
[87] (WO2019/016661)
[30] IN (201721025178) 2017-07-15

[21] **3,069,797**
[13] A1
[51] **Int.Cl. H02J 1/10 (2006.01) H02J 7/00 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **CHARGING STATION HAVING DYNAMIC CHARGING CURRENT DISTRIBUTION**
[54] **STATION DE CHARGE A DISTRIBUTION DYNAMIQUE DE COURANT DE CHARGE**
[72] BROMBACH, JOHANNES, DE
[72] STRAFIEL, CHRISTIAN, DE
[72] GERTJEGERDES, STEFAN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2020-01-13
[86] 2018-07-26 (PCT/EP2018/070293)
[87] (WO2019/020747)
[30] DE (10 2017 116 887.7) 2017-07-26

[21] **3,069,798**
[13] A1
[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **BONE ANCHOR, KIT AND METHOD OF USE**
[54] **ANCRE OSSEUSE, KIT ET PROCEDE D'UTILISATION**
[72] SHMUELI, GAD, IL
[71] RAYCONT LTD., IL
[85] 2020-01-13
[86] 2018-07-12 (PCT/IL2018/050768)
[87] (WO2019/012540)
[30] US (62/531,399) 2017-07-12

[21] **3,069,799**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/438 (2006.01) A61K 31/444 (2006.01) A61K 31/527 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 43/00 (2006.01) C07D 471/10 (2006.01) C07D 491/20 (2006.01)**
[25] EN
[54] **FUSED-RING DERIVATIVE HAVING MGAT2 INHIBITORY ACTIVITY**
[54] **DERIVE A CYCLE CONDENSE AYANT UNE ACTIVITE INHIBITRICE DE MGAT2**
[72] NODU, KOUHEI, JP
[72] TATENO, YUSUKE, JP
[72] MASUDA, KENGO, JP
[72] NISHIURA, YUJI, JP
[72] SASAKI, YOSHIKAZU, JP
[71] SHIONOGI & CO., LTD., JP
[85] 2020-01-13
[86] 2018-07-13 (PCT/JP2018/026418)
[87] (WO2019/013312)
[30] JP (2017-137678) 2017-07-14

[21] **3,069,800**
[13] A1
[51] **Int.Cl. A01K 1/00 (2006.01)**
[25] EN
[54] **DAIRY ANIMAL-MONITORING SYSTEM COMPRISING HEAT STRESS-REDUCING MEANS**
[54] **SYSTEME DE SURVEILLANCE D'ANIMAUX LAITIERS COMPRENANT UN MOYEN DE REDUCTION DU STRESS THERMIQUE**
[72] DE GROOT, ESTER, NL
[71] LELY PATENT N.V., NL
[85] 2020-01-13
[86] 2018-07-10 (PCT/NL2018/050459)
[87] (WO2019/027319)
[30] NL (2019375) 2017-07-31
[30] NL (2020051) 2017-12-11

[21] **3,069,801**
[13] A1
[51] **Int.Cl. A01G 31/04 (2006.01) G06Q 50/02 (2012.01)**
[25] EN
[54] **SYSTEM FOR IMPLEMENTING MODIFIED RECIPES IN A PLURALITY OF GROW PODS**
[54] **SYSTEME DE MISE EN OEUVRE DE RECETTES MODIFIEES DANS UNE PLURALITE DE CAPSULES DE CULTURE**
[72] MILLAR, GARY BRET, US
[72] STOTT, MARK GERALD, US
[72] TUELLER, TODD GARRETT, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-13
[86] 2018-06-04 (PCT/US2018/035882)
[87] (WO2018/231571)
[30] US (62/519,346) 2017-06-14
[30] US (62/519,633) 2017-06-14
[30] US (15/996,340) 2018-06-01

[21] **3,069,802**
[13] A1
[51] **Int.Cl. C08G 18/83 (2006.01) B29B 17/00 (2006.01) C08J 11/04 (2006.01)**
[25] EN
[54] **ISOCYANATE-FUNCTIONAL POLYMER COMPONENTS AND POLYURETHANE ARTICLES FORMED FROM RECYCLED POLYURETHANE ARTICLES AND ASSOCIATED METHODS FOR FORMING SAME**
[54] **CONSTITUANTS POLYMERES A FONCTION ISOCYANATE ET ARTICLES EN POLYURETHANE FORMES A PARTIR D'ARTICLES EN POLYURETHANE RECYCLES ET PROCEDES ASSOCIES DE FORMATION DESDITS ARTICLES ENPOLYURETHANE**
[72] KUMAR, RAJESH, US
[72] WUJCIK, STEVEN, US
[72] LEBEDINSKI, NIKOLAY, US
[72] MILANTONI, CHRISTOPHER J, US
[71] BASF SE, DE
[85] 2020-01-13
[86] 2018-08-01 (PCT/EP2018/070840)
[87] (WO2019/030071)
[30] US (62/541,975) 2017-08-07

[21] **3,069,803**
[13] A1
[51] **Int.Cl. C07D 271/06 (2006.01) A01N 43/836 (2006.01) A01N 43/84 (2006.01) A01N 43/90 (2006.01) A01N 47/18 (2006.01) A01P 3/00 (2006.01) C07D 413/10 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 491/052 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **OXADIAZOLE COMPOUND AND FUNGICIDE FOR AGRICULTURAL AND HORTICULTURAL USE**
[54] **COMPOSE OXADIAZOLE ET FONGICIDE POUR UTILISATION AGRICOLE ET HORTICOLE**
[72] IWATA, JUN, JP
[72] NAKAMURA, YUKA, JP
[72] HAYASHI, TSUKIHO, JP
[72] WATANABE, SHINYA, JP
[72] SANO, HIROSHI, JP
[71] NIPPON SODA CO., LTD., JP
[85] 2020-01-13
[86] 2018-07-24 (PCT/JP2018/027647)
[87] (WO2019/022061)
[30] JP (2017-214071) 2017-11-06
[30] JP (2018-076406) 2018-04-11
[30] JP (2017-145283) 2017-07-27
[30] JP (2017-152642) 2017-08-07

[21] **3,069,804**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CD166 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CD166 ET UTILISATIONS ASSOCIEES**
[72] DESNOYERS, LUC ROLAND, US
[72] DUPAGE, AMY GRACE, US
[71] CYTOMX THERAPEUTICS, INC., US
[85] 2020-01-13
[86] 2018-07-13 (PCT/US2018/042074)
[87] (WO2019/014586)
[30] US (62/532,889) 2017-07-14

[21] **3,069,805**
[13] A1
[51] **Int.Cl. C12N 5/0775 (2010.01) A61K 35/28 (2015.01) A61P 11/00 (2006.01) A61P 17/02 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **CD39 STROMAL STEM CELLS METHODS OF ISOLATION AND USE**
[54] **PROCEDES D'ISOLEMENT ET D'UTILISATION DE CELLULES SOUCHES STROMALES CD39**
[72] ELLIMAN, STEPHEN J., IE
[72] KAVANAUGH, JACK, US
[72] COUTURE, LARRY A., US
[72] O'FLYNN, LISA, IE
[71] ORBSEN THERAPEUTICS LIMITED, IE
[85] 2020-01-13
[86] 2018-07-12 (PCT/IB2018/000939)
[87] (WO2019/012334)
[30] US (62/532,800) 2017-07-14
[30] US (62/534,631) 2017-07-19

[21] **3,069,807**
[13] A1
[51] **Int.Cl. C05F 11/00 (2006.01) A23K 10/37 (2016.01) C05F 17/00 (2020.01)**
[25] EN
[54] **AGRICULTURAL ADMIXTURES**
[54] **MELANGES AGRICOLES**
[72] MORASH, DANIEL, US
[72] LEJEUNE, MARK, US
[72] ZICARI, STEVE, US
[71] CALIFORNIA SAFE SOIL, LLC, US
[85] 2020-01-13
[86] 2018-08-13 (PCT/US2018/046571)
[87] (WO2019/033124)
[30] US (62/544,579) 2017-08-11

[21] **3,069,808**
[13] A1
[51] **Int.Cl. A43B 7/12 (2006.01) A43B 23/07 (2006.01)**
[25] EN
[54] **FOOTWEAR**
[54] **ARTICLE CHAUSSANT**
[72] HEIDENFELDER, JENS, DE
[72] KOBAISY ALI, AMR MAHMOUD HAMDY, DE
[72] ZAGGL, ALEXANDER, DE
[72] GIUPPONI, ANDREA, IT
[71] W.L. GORE & ASSOCIATES GMBH, DE
[71] W. L. GORE & ASSOCIATI, S.R.L., IT
[85] 2020-01-14
[86] 2017-07-17 (PCT/EP2017/068030)
[87] (WO2019/015741)

[21] **3,069,809**
[13] A1
[51] **Int.Cl. A61K 47/56 (2017.01) A61K 47/60 (2017.01) A61K 47/61 (2017.01) A61P 29/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING INFLAMMATION**
[54] **METHODES ET COMPOSITIONS DE TRAITEMENT D'INFLAMMATION**
[72] MRSNY, RANDALL, US
[72] MCCORMICK, BETH A., US
[72] DOLLE, ROLAND ELLWOOD, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[71] UNIVERSITY OF BATH, GB
[85] 2020-01-13
[86] 2018-07-13 (PCT/US2018/042116)
[87] (WO2019/014611)
[30] US (62/532,539) 2017-07-14

[21] **3,069,810**
[13] A1
[51] **Int.Cl. E21B 10/32 (2006.01) E21B 10/26 (2006.01) E21B 10/62 (2006.01) E21B 29/00 (2006.01)**
[25] EN
[54] **CUTTING TOOL WITH PIVOTALLY FIXED CUTTERS**
[54] **OUTIL DE COUPE A ELEMENTS DE COUPE FIXES DE MANIERE PIVOTANTE**
[72] EIDEM, MORTEN, NO
[72] GRINDHAUG, GAUTE, NO
[71] EQUINOR ENERGY AS, NO
[85] 2020-01-13
[86] 2018-07-09 (PCT/NO2018/050182)
[87] (WO2019/013645)
[30] GB (1711287.1) 2017-07-13

[21] **3,069,811**
[13] A1
[51] **Int.Cl. A61K 31/198 (2006.01) A23L 33/10 (2016.01) A61K 36/8962 (2006.01) A61P 9/00 (2006.01) A61P 19/02 (2006.01) A61P 21/00 (2006.01)**
[25] EN
[54] **BLOOD FLOW IMPROVER**
[54] **AGENT AMELIORANT LA CIRCULATION SANGUINE**
[72] USHIJIMA, MITSUYASU, JP
[72] KUNIMURA, KAYO, JP
[72] KODERA, YUKIHIRO, JP
[72] MORIHARA, NAOAKI, JP
[71] WAKUNAGA PHARMACEUTICAL CO., LTD., JP
[85] 2020-01-13
[86] 2018-08-06 (PCT/JP2018/029386)
[87] (WO2019/031442)
[30] JP (2017-152366) 2017-08-07

[21] **3,069,812**
[13] A1
[51] **Int.Cl. A62C 27/00 (2006.01) A62C 31/00 (2006.01) A62C 37/50 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR OPERATING A FIRE EXTINGUISHER SYSTEM AND EXTINGUISHER NOZZLE**
[54] **DISPOSITIF DE COMMANDE POUR FAIRE FONCTIONNER UN SYSTEME D'EXTINCTION D'INCENDIE ET BUSE D'EXTINCTION**
[72] SAUERBIER, CARSTEN, DE
[72] KIRCHNER, UWE, DE
[71] IDEX EUROPE GMBH, DE
[85] 2020-01-14
[86] 2017-07-28 (PCT/EP2017/069120)
[87] (WO2019/020192)

[21] **3,069,813**
[13] A1
[51] **Int.Cl. H04N 7/18 (2006.01) H04W 64/00 (2009.01) H04W 4/021 (2018.01) G06Q 50/16 (2012.01) G06F 30/13 (2020.01)**
[25] EN
[54] **CAPTURING, CONNECTING AND USING BUILDING INTERIOR DATA FROM MOBILE DEVICES**
[54] **CAPTURE, CONNEXION ET UTILISATION DE DONNEES D'INTERIEUR DE BATIMENT A PARTIR DE DISPOSITIFS MOBILES**
[72] SHAN, QI, US
[72] COLBURN, ALEX, US
[72] GUAN, LI, US
[72] BOYADZHIEV, IVAYLO, US
[71] ZILLOW GROUP, INC., US
[85] 2020-01-13
[86] 2018-07-13 (PCT/US2018/042130)
[87] (WO2019/014620)
[30] US (15/649,427) 2017-07-13
[30] US (15/649,434) 2017-07-13

[21] **3,069,814**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/02 (2012.01) A47B 67/02 (2006.01) G07F 11/00 (2006.01)**
[25] EN
[54] **AVAILABILITY OF MEDICINAL PRODUCTS**
[54] **DISPONIBILITE DE PRODUITS MEDICAUX**
[72] DUY, TAM NGUYEN, VN
[72] GANT-FLEENER, EMERSON, US
[72] FU, FELIPE BECHERT, BR
[72] MOLINA SOTO, KAREN GILMA, PA
[72] SANTOS, LEONARDO JUNIO DE OLIVEIRA, DE
[71] BAYER S.A., BR
[85] 2020-01-14
[86] 2018-07-17 (PCT/BR2018/050246)
[87] (WO2019/014742)
[30] EP (17181593.9) 2017-07-17

[21] **3,069,815**
[13] A1
[51] **Int.Cl. A01N 57/20 (2006.01) A01P 13/02 (2006.01)**
[25] EN
[54] **USE OF HERBICIDAL COMPOSITIONS BASED ON L-GLUFOSINATE IN TOLERANT FIELD CROPS**
[54] **UTILISATION DE COMPOSITIONS HERBICIDES A BASE DE L-GLUFOSINATE DANS DES CULTURES DE CHAMP TOLERANT**
[72] DECKWER, ROLAND, DE
[72] LORENTZ, LOTHAR, DE
[72] COTIE, ARLENE GRACE, US
[72] BAGWELL, RALPH DALE, US
[71] BASF SE, DE
[85] 2020-01-14
[86] 2018-06-20 (PCT/EP2018/066403)
[87] (WO2019/020283)
[30] US (62/537,511) 2017-07-27

[21] **3,069,816**
[13] A1
[51] **Int.Cl. A61B 5/08 (2006.01) A61B 5/0205 (2006.01) A61B 5/083 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ESTIMATING THE EFFICIENCY OF THE LUNGS OF A PATIENT**
[54] **METHODE ET SYSTEME D'ESTIMATION DE L'EFFICACITE DES POUMONS D'UN PATIENT**
[72] GARRY, JAMES, CA
[72] AYOUBI, NATHAN, CA
[72] FREDRICK, ARON, CA
[72] ATSMA, WILLEM J., CA
[72] CHRISTOFI, NICOLAS, CA
[72] MCGREGOR, HANNA, CA
[71] ROSTRUM MEDICAL INNOVATIONS INC., CA
[85] 2020-01-14
[86] 2018-08-06 (PCT/CA2018/050957)
[87] (WO2019/028550)
[30] US (62/542,702) 2017-08-08

[21] **3,069,817**
[13] A1
[51] **Int.Cl. C01B 3/02 (2006.01) C01B 3/38 (2006.01) C01B 3/48 (2006.01) C01B 13/02 (2006.01) C01C 1/04 (2006.01) C25B 1/04 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF AMMONIA SYNTHESIS GAS**
[54] **PROCEDE DE PREPARATION DE GAZ DE SYNTHESE D'AMMONIAC**
[72] HAN, PAT A., DK
[72] KROLL JENSEN, ANNETTE E., DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-01-14
[86] 2018-07-11 (PCT/EP2018/068808)
[87] (WO2019/020378)
[30] DK (PA 2017 00425) 2017-07-25
[30] DK (PA 2017 00522) 2017-09-25
[30] DK (PA 2018 00237) 2018-05-28

[21] **3,069,818**
[13] A1
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **ASSISTED INJECTION DEVICE FOR INJECTING A COMPOSITION CONTAINED IN A MEDICAL CONTAINER**
[54] **DISPOSITIF D'INJECTION ASSISTE POUR L'INJECTION D'UNE COMPOSITION CONTENUE DANS UN RECIPIENT MEDICAL**
[72] CARREL, FRANCK, FR
[72] GAGLIANO, JULIEN, FR
[71] BECTON DICKINSON FRANCE, FR
[85] 2020-01-14
[86] 2018-07-20 (PCT/EP2018/069700)
[87] (WO2019/016345)
[30] EP (17305984.1) 2017-07-21

[21] **3,069,820**
[13] A1
[51] **Int.Cl. C07K 5/107 (2006.01) A61K 38/07 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **PEPTIDE AMIDE COMPOUNDS, PREPARATION METHOD THEREOF AND USE IN MEDICINE**
[54] **COMPOSE AMIDE PEPTIDIQUE, SON PROCEDE DE PREPARATION ET SON UTILISATION MEDICALE**
[72] ZHANG, CHEN, CN
[72] HUANG, ANBANG, CN
[72] YE, FEI, CN
[72] HUANG, LONGBIN, CN
[72] HUANG, ZHENGGANG, CN
[72] WANG, JIANMIN, CN
[72] WEI, YONGGANG, CN
[72] YAN, PANGKE, CN
[72] ZHENG, WEI, CN
[71] SICHUAN HAISCO PHARMACEUTICAL CO., LTD., CN
[85] 2020-01-14
[86] 2018-07-19 (PCT/CN2018/096271)
[87] (WO2019/015644)
[30] CN (201810014939.1) 2018-01-11
[30] CN (201710598408.7) 2017-07-21

[21] **3,069,821**
[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01) C12N 15/113 (2010.01) C12N 9/12 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **ENCAPSULATED POLYNUCLEOTIDES AND METHODS OF USE**
[54] **POLYNUCLEOTIDES ENCAPSULES ET PROCEDES D'UTILISATION**
[72] FINER, MITCHELL H., US
[72] KENNEDY, EDWARD, US
[72] LERNER, LORENA, US
[71] ONCORUS, INC., US
[85] 2020-01-13
[86] 2018-07-13 (PCT/US2018/042136)
[87] (WO2019/014623)
[30] US (62/532,886) 2017-07-14
[30] US (62/648,651) 2018-03-27

[21] **3,069,822**
[13] A1
[51] **Int.Cl. B60N 2/897 (2018.01)**
[25] EN
[54] **CLIP, CLIP ASSEMBLY, AND METHOD OF MAKING AND USING THE SAME**
[54] **BROCHE, ENSEMBLE DE BROCHE, ET PROCEDE DE FABRICATION ET D'UTILISATION ASSOCIE**
[72] JINDRA, ALEXANDER, DE
[72] KUEMMEL, BENJAMIN, NL
[72] HUENTEN, VOLKER, DE
[72] ARPE, JAN, DE
[72] BROCKER, ALINE, DE
[72] SPEICHER, JENS D., DE
[71] SAINT-GOBAIN PERFORMANCE PLASTICS PAMPUS GMBH, DE
[85] 2020-01-14
[86] 2018-07-12 (PCT/EP2018/068861)
[87] (WO2019/020385)
[30] US (62/532,564) 2017-07-14

[21] **3,069,824**
[13] A1
[51] **Int.Cl. A23C 11/02 (2006.01) A23L 9/20 (2016.01) A23D 7/005 (2006.01)**
[25] EN
[54] **CREAMERS COMPOSITIONS WITH ULTRA-HIGH OLEIC OILS**
[54] **COMPOSITIONS DE SUCCEDANES DE CREME A BASE D'HUILES TRES RICHES EN ACIDE OLEIQUE**
[72] NAPOLITANO, GUILLERMO E, US
[72] YE, YUBIN, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-01-14
[86] 2018-09-12 (PCT/EP2018/074536)
[87] (WO2019/053032)
[30] US (62/558424) 2017-09-14

[21] **3,069,825**
[13] A1
[51] **Int.Cl. A01G 9/24 (2006.01) A01G 31/04 (2006.01) A01G 9/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING TEMPERATURE CONTROL IN A GROW POD**
[54] **SYSTEMES ET PROCEDES DE REGULATION DE TEMPERATURE DANS UN MODULE DE CULTURE**
[72] MILLAR, GARY BRET, US
[72] STOTT, MARK GERALD, US
[72] TUELLER, TODD GARRETT, US
[72] HURST, MICHAEL STEPHEN, US
[72] BENTLEY, ALAN RAY, US
[72] WOODBURY, TAYLOR JOHN, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-13
[86] 2018-05-09 (PCT/US2018/031739)
[87] (WO2018/231376)
[30] US (62/519,696) 2017-06-14
[30] US (62/519,304) 2017-06-14
[30] US (15/970,048) 2018-05-03

[21] **3,069,827**
[13] A1
[51] **Int.Cl. A61K 31/7034 (2006.01) A61P 13/12 (2006.01) C07H 15/203 (2006.01) C12Q 1/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PREVENTING OR TREATING NEPHROLITHIASIS**
[54] **COMPOSITIONS ET PROCEDES POUR PREVENIR OU TRAITER LA NEPHROLITHIASE**
[72] DAYARATHNA, THAMARA, CA
[72] LEONG, HON SING, US
[72] SPAGNUOLO, PAUL, CA
[71] SP NUTRACEUTICALS INC., CA
[85] 2020-01-14
[86] 2018-07-10 (PCT/CA2018/000139)
[87] (WO2019/010563)
[30] US (62/532,679) 2017-07-14

[21] **3,069,828**
[13] A1
[51] **Int.Cl. G16B 25/10 (2019.01) C12Q 1/6809 (2018.01) G16B 20/00 (2019.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **IMMUNO-ONCOLOGY APPLICATIONS USING NEXT GENERATION SEQUENCING**
[54] **APPLICATIONS IMMUNO-ONCOLOGIQUES METTANT EN OEUVRE UN SEQUENCAGE DE NOUVELLE GENERATION**
[72] BLOOM, RYAN J., US
[72] ARMSTRONG, JON R., US
[71] COFACTOR GENOMICS, INC., US
[85] 2020-01-13
[86] 2018-07-13 (PCT/US2018/042176)
[87] (WO2019/014647)
[30] US (62/532,921) 2017-07-14
[30] US (62/658,418) 2018-04-16

[21] **3,069,829**
[13] A1
[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/505 (2006.01) A61K 31/675 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ARYL-PHOSPHORUS-OXYGEN COMPOUND AS EGFR KINASE INHIBITOR**
[54] **COMPOSE ARYL-PHOSPHORE-OXYGENE UTILISE EN TANT QU'INHIBITEUR DE KINASE EGFR**
[72] WU, LINGYUN, CN
[72] LIU, XILE, CN
[72] DING, CHARLES Z., CN
[72] CHEN, SHUHUI, CN
[72] HU, LIHONG, CN
[72] ZHAO, LELE, CN
[72] PAN, WEI, CN
[72] HU, GUOPING, CN
[72] LI, JIAN, CN
[72] ZHAO, NING, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2020-01-14
[86] 2018-07-19 (PCT/CN2018/096344)
[87] (WO2019/015655)
[30] CN (201710592778.X) 2017-07-19
[30] CN (201711277584.7) 2017-12-06
[30] CN (201810130633.2) 2018-02-08
[30] CN (201810355614.X) 2018-04-19

[21] **3,069,831**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C07H 21/04 (2006.01) C12Q 1/32 (2006.01) C12Q 1/70 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **DETECTION OF TARGETED SEQUENCE REGIONS**
[54] **DETECTION DE REGIONS DE SEQUENCE CIBLEES**
[72] SHUBER, ANTHONY P., US
[72] GLOVER, WILLIAM, US
[72] MEYERS, THOMAS C., US
[71] GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC., US
[85] 2020-01-13
[86] 2018-06-13 (PCT/US2018/037280)
[87] (WO2018/231946)
[30] US (62/519,051) 2017-06-13
[30] US (62/526,091) 2017-06-28
[30] US (62/568,144) 2017-10-04
[30] US (15/877,620) 2018-01-23

[21] **3,069,832**
[13] A1
[51] **Int.Cl. C12G 3/04 (2019.01) C10G 1/04 (2006.01) C12G 3/06 (2006.01) G01N 25/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE PREPARATION OF ETHANOL-CONTAINING BEVERAGES**
[54] **SYSTEMES ET PROCEDES DE PREPARATION DE BOISSONS CONTENANT DE L'ETHANOL**
[72] PAWLAK, JOEL JUSTIN, US
[71] NEXT CENTURY SPIRITS, LLC, US
[85] 2020-01-13
[86] 2018-05-09 (PCT/US2018/031844)
[87] (WO2018/208946)
[30] US (62/503,652) 2017-05-09

[21] **3,069,833**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G16B 40/00 (2019.01) G16B 50/00 (2019.01) G06N 3/12 (2006.01)**
[25] EN
[54] **DISCOVERING GENOMES TO USE IN MACHINE LEARNING TECHNIQUES**
[54] **DECOUVERTE DE GENOMES A UTILISER DANS DES TECHNIQUES D'APPRENTISSAGE AUTOMATIQUE**
[72] GROUCHY, PAUL, CA
[72] KHOSOUSI, ALI, CA
[72] DOOMRA, ABHINAV, CA
[72] GUPTA, SUNNY, CA
[72] BURTON, TIMOTHY, CA
[71] ANALYTICS FOR LIFE INC., CA
[85] 2020-01-14
[86] 2018-07-18 (PCT/IB2018/000929)
[87] (WO2019/016608)
[30] US (15/653,441) 2017-07-18

[21] **3,069,834**
[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01) C40B 40/06 (2006.01) C40B 40/08 (2006.01)**
[25] EN
[54] **PLASMA/SERUM TARGET ENRICHMENT**
[54] **ENRICHISSEMENT D'UNE CIBLE DANS DU PLASMA/SERUM**
[72] SHUBER, ANTHONY P., US
[71] GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC., US
[85] 2020-01-13
[86] 2018-06-13 (PCT/US2018/037287)
[87] (WO2018/231952)
[30] US (62/519,051) 2017-06-13
[30] US (62/526,091) 2017-06-28
[30] US (62/656,592) 2018-04-12
[30] US (62/672,217) 2018-05-16

[21] **3,069,835**
[13] A1
[51] **Int.Cl. F16N 27/00 (2006.01) F16N 11/04 (2006.01)**
[25] EN
[54] **LUBRICANT INJECTOR**
[54] **INJECTEUR DE LUBRIFIANT**
[72] EISSES, JAN, CA
[72] SMID, JOHN, CA
[71] LUBECORE INTERNATIONAL INC., CA
[85] 2020-01-14
[86] 2018-07-11 (PCT/CA2018/050845)
[87] (WO2019/010575)
[30] US (62/532,493) 2017-07-14

[21] **3,069,838**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/02 (2012.01) A01G 9/029 (2018.01) A01G 9/14 (2006.01) B60L 5/04 (2006.01) B61B 13/02 (2006.01) G05D 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COMMUNICATING DATA VIA A PLURALITY OF GROW PODS**
[54] **SYSTEMES ET PROCEDES DE COMMUNICATION DE DONNEES PAR L'INTERMEDIAIRE D'UNE PLURALITE DE MODULES DE CULTURE**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-13
[86] 2018-05-22 (PCT/US2018/033811)
[87] (WO2018/231441)

[21] **3,069,840**
[13] A1
[51] **Int.Cl. A61H 31/00 (2006.01) G16H 40/63 (2018.01)**
[25] EN
[54] **SENSOR DEVICE FOR ASSISTING AN AIDER WITH A CARDIOPULMONARY RESUSCITATION**
[54] **DISPOSITIF CAPTEUR POUR ASSISTER UN SECOURISTE LORS D'UNE REANIMATION CARDIO-PULMONAIRE**
[72] MULLER, MICHAEL, DE
[72] ROTH, MATTHIAS, DE
[72] SCHORLING, PER, DK
[71] MULLER, MICHAEL, DE
[71] ROTH, MATTHIAS, DE
[71] SCHORLING, PER, DK
[85] 2020-01-14
[86] 2018-07-18 (PCT/DE2018/100656)
[87] (WO2019/015727)
[30] DE (10 2017 116 361.1) 2017-07-20

[21] **3,069,841**
[13] A1
[51] **Int.Cl. F25C 3/04 (2006.01) F25B 23/00 (2006.01) F25C 1/16 (2006.01) F25D 31/00 (2006.01)**
[25] FR
[54] **REFRIGERATION PLANT**
[54] **INSTALLATION FRIGORIFIQUE**
[72] VINARD, THOMAS, FR
[72] BUR, SEBASTIEN, FR
[72] GIRARD, JEROME, FR
[71] ALPINOV X, FR
[85] 2020-01-14
[86] 2018-07-25 (PCT/FR2018/051907)
[87] (WO2019/020940)
[30] FR (1757207) 2017-07-28

[21] **3,069,842**
[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01)**
[25] EN
[54] **IMPROVED DUAL SPECIFICITY POLYPEPTIDE MOLECULE**
[54] **MOLECULE POLYPEPTIDIQUE AMELIOREE A DOUBLE SPECIFICITE**
[72] HOFMANN, MARTIN, DE
[72] UNVERDORBEN, FELIX, DE
[72] BUNK, SEBASTIAN, DE
[72] MAURER, DOMINIK, DE
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
[85] 2020-01-14
[86] 2018-07-13 (PCT/EP2018/069157)
[87] (WO2019/012141)
[30] DE (10 2017 115 966.5) 2017-07-14
[30] US (62/532,713) 2017-07-14
[30] DE (10 2017 119 866.0) 2017-08-30
[30] DE (10 2018 108 995.3) 2018-04-16
[30] US (62/658,318) 2018-04-16

[21] **3,069,843**
[13] A1
[51] **Int.Cl. C12Q 1/683 (2018.01)**
[25] EN
[54] **RARE NUCLEIC ACID DETECTION**
[54] **DETECTION D'ACIDES NUCLEIQUES RARES**
[72] SHUBER, ANTHONY P., US
[72] STEELE, JENNIFER L., US
[71] GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC., US
[85] 2020-01-13
[86] 2018-06-13 (PCT/US2018/037312)
[87] (WO2018/231967)
[30] US (62/519,051) 2017-06-13
[30] US (62/526,091) 2017-06-28
[30] US (62/634,250) 2018-02-23

[21] **3,069,844**
[13] A1
[51] **Int.Cl. B29C 64/118 (2017.01) B29C 64/295 (2017.01) B29C 64/307 (2017.01)**
[25] EN
[54] **ADDITIVE MANUFACTURING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FABRICATION ADDITIVE**
[72] GALLE, FRANCESCO, CA
[71] 8098549 CANADA INC., CA
[85] 2020-01-14
[86] 2018-07-13 (PCT/CA2018/050859)
[87] (WO2019/010586)
[30] US (62/532,428) 2017-07-14

[21] **3,069,845**
[13] A1
[51] **Int.Cl. A01G 31/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR HARVESTING PLANTS**
[54] **SYSTEMES ET PROCEDES DE RECOLTE DE PLANTES**
[72] MILLAR, GARY BRET, US
[72] STOTT, MARK GERALD, US
[72] HURST, MICHAEL STEPHEN, US
[72] BENTLEY, ALAN RAY, US
[72] WOODBURY, TAYLOR JOHN, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-13
[86] 2018-05-23 (PCT/US2018/034094)
[87] (WO2018/231463)
[30] US (15/985,885) 2018-05-22
[30] US (62/519,661) 2017-06-14
[30] US (62/519,304) 2017-06-14

[21] **3,069,848**
[13] A1
[51] **Int.Cl. G01F 1/69 (2006.01) G01F 15/00 (2006.01)**
[25] EN
[54] **THERMAL FLOWMETER**
[54] **DEBITMETRE THERMIQUE**
[72] UMKEHRER, ALFRED, DE
[72] KROGMANN, FLORIAN, CH
[71] ENDRESS+HAUSER WETZER GMBH+CO. KG, DE
[71] INNOVATIVE SENSOR TECHNOLOGY IST AG, CH
[85] 2020-01-14
[86] 2018-06-20 (PCT/EP2018/066445)
[87] (WO2019/015912)
[30] DE (10 2017 116 408.1) 2017-07-20

[21] **3,069,850**
[13] A1
[51] **Int.Cl. E04G 7/28 (2006.01) E04G 1/15 (2006.01) E04G 5/08 (2006.01) E04G 7/00 (2006.01) E04G 7/30 (2006.01)**
[25] EN
[54] **IMPROVED LATCHABLE SCAFFOLD PLANKS**
[54] **PLANCHES D'ECHAFAUDAGE VERROUILLABLES AMELIOREES**
[72] CURTIS, JOHNNY, US
[71] CURTIS, JOHNNY, US
[85] 2020-01-13
[86] 2018-07-02 (PCT/US2018/040571)
[87] (WO2019/014009)
[30] US (62/531,439) 2017-07-12

[21] **3,069,851**
[13] A1
[51] **Int.Cl. G01B 5/20 (2006.01) A61B 5/107 (2006.01) B68F 3/00 (2006.01) G01B 3/14 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR EVALUATING MUSCLE DEVELOPMENT IN AN ANIMAL**
[54] **PROCEDE ET DISPOSITIF D'EVALUATION DU DEVELOPPEMENT MUSCULAIRE CHEZ UN ANIMAL**
[72] KEEGAN, ABBY, US
[71] CAN TECHNOLOGIES, INC., US
[85] 2020-01-13
[86] 2018-07-16 (PCT/US2018/042276)
[87] (WO2019/014670)
[30] US (62/532,756) 2017-07-14

[21] **3,069,852**
[13] A1
[51] **Int.Cl. A01G 31/04 (2006.01) A01G 9/24 (2006.01) A01G 31/00 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING WATER USAGE IN AN ASSEMBLY LINE GROW POD**
[54] **SYSTEMES ET PROCEDES DE MESURE DE L'UTILISATION DE L'EAU DANS UN MODULE DE CULTURE DE CHAINE D'ASSEMBLAGE**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-13
[86] 2018-05-23 (PCT/US2018/034136)
[87] (WO2018/231464)
[30] US (62/519,405) 2017-06-14
[30] US (62/519,410) 2017-06-14
[30] US (15/985,142) 2018-05-21

[21] **3,069,853**
[13] A1
[51] **Int.Cl. H04N 21/44 (2011.01) H04N 21/4545 (2011.01) H04N 21/472 (2011.01) H04N 21/845 (2011.01)**
[25] EN
[54] **IDENTIFYING PREVIOUSLY STREAMED PORTIONS OF A MEDIA TITLE TO AVOID REPETITIVE PLAYBACK**
[54] **IDENTIFICATION DE PARTIES PRECEDEMMENT DIFFUSEES EN CONTINU D'UN TITRE MULTIMEDIA POUR EVITER UNE LECTURE REPETITIVE**
[72] KANSARA, APURVAKUMAR DILIPKUMAR, US
[71] NETFLIX, INC., US
[85] 2020-01-13
[86] 2018-07-10 (PCT/US2018/041494)
[87] (WO2019/018164)
[30] US (15/654,657) 2017-07-19

[21] **3,069,855**
[13] A1
[51] **Int.Cl. G01B 11/06 (2006.01) G01J 3/18 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR REAL-TIME, IN-PROCESS MEASUREMENT OF COATINGS ON METAL SUBSTRATES USING OPTICAL SYSTEMS**
[54] **PROCEDES ET SYSTEMES DE MESURE EN COURS DE FABRICATION, EN TEMPS REEL DE REVETEMENTS SUR DES SUBSTRATS METALLIQUES AU MOYEN DE SYSTEMES OPTIQUES**
[72] KOMARAGIRI, VIVEK C., US
[72] FRISBY, GREG, US
[71] SENSORY ANALYTICS, LLC, US
[85] 2020-01-13
[86] 2018-07-11 (PCT/US2018/041541)
[87] (WO2019/014289)
[30] US (62/531,484) 2017-07-12

[21] **3,069,857**
[13] A1
[51] **Int.Cl. G01R 31/34 (2020.01)**
[25] EN
[54] **TECHNIQUE TO DETECT MOTOR LEAKAGE FLUX ANOMALIES**
[54] **TECHNIQUE DE DETECTION D'ANOMALIES DE FLUX DE FUITE DE MOTEUR**
[72] WILLIAMS, DEAN PATRICK, US
[71] ITT MANUFACTURING ENTERPRISES LLC, US
[85] 2020-01-13
[86] 2018-07-12 (PCT/US2018/041805)
[87] (WO2019/014438)
[30] US (15/648,855) 2017-07-13

[21] **3,069,861**
[13] A1
[51] **Int.Cl. A61B 6/00 (2006.01) G01T 1/16 (2006.01) G01T 1/161 (2006.01)**
[25] EN
[54] **METHOD, APPARATUS, AND SYSTEM FOR ENERGY-RESOLVED SCATTER IMAGING DURING RADIATION THERAPY**
[54] **PROCEDE, APPAREIL ET SYSTEME D'IMAGERIE PAR DIFFUSION A RESOLUTION D'ENERGIE PENDANT UNE RADIOTHERAPIE**
[72] JONES, KEVIN CHAPMAN, US
[72] TURIAN, JULIUS V., US
[72] CHU, JAMES C.H., US
[71] RUSH UNIVERSITY MEDICAL CENTER, US
[85] 2020-01-13
[86] 2018-07-12 (PCT/US2018/041824)
[87] (WO2019/014447)
[30] US (62/532,211) 2017-07-13

[21] **3,069,865**
[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 38/02 (2006.01) A61K 45/00 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **METHODS FOR GENERATING PLURIPOTENT STEM CELLS**
[54] **PROCEDES DE PRODUCTION DE CELLULES SOUCHES PLURIPOTENTES**
[72] KIM, KITAI, US
[72] SKAMAGKI, MARIA, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2020-01-13
[86] 2018-07-12 (PCT/US2018/041851)
[87] (WO2019/014464)
[30] US (62/531,672) 2017-07-12

[21] **3,069,866**
[13] A1
[51] **Int.Cl. H01M 12/06 (2006.01) H01M 4/38 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL POWER SYSTEM USING AQUEOUS DISSOLVED OXYGEN**
[54] **SYSTEME D'ENERGIE ELECTROCHIMIQUE UTILISANT DE L'OXYGENE DISSOUS AQUEUX**
[72] MCKAY, IAN SALMON, US
[72] KOVACS, JASON R., US
[72] BENCK, JESSE DANIEL, US
[72] ZUGIC, BRANKO, US
[71] L3 OPEN WATER POWER, INC., US
[85] 2020-01-13
[86] 2018-07-12 (PCT/US2018/041869)
[87] (WO2019/014474)
[30] US (62/531,418) 2017-07-12

[21] **3,069,867**
[13] A1
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/128 (2006.01) E21B 43/14 (2006.01) E21B 43/26 (2006.01) F16J 15/02 (2006.01)**
[25] EN
[54] **SLOTTED BACKUP RING ASSEMBLY**
[54] **ENSEMBLE BAGUE D'APPUI RAINURE**
[72] DENG, GUIJUN, US
[72] WAKEFIELD, JOHN K., US
[72] PATTERSON, ADAM, US
[72] KENDALL, ALXANDER M., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-01-13
[86] 2018-07-12 (PCT/US2018/041880)
[87] (WO2019/014482)
[30] US (15/649,363) 2017-07-13

[21] **3,069,868**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01)**
[25] EN
[54] **LACTATE DEHYDROGENASE A (LDHA) IRNA COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'ARNI DE LACTATE DESHYDROGENASE A (LDHA) ET LEURS PROCEDES D'UTILISATION**
[72] ERBE, DAVID, US
[72] LIEBOW, ABIGAIL, US
[72] FITZGERALD, KEVIN, US
[72] HINKLE, GREGORY, US
[72] WOOD, KYLE DAVID, US
[72] HOLMES, ROSS PHILIP, US
[72] KNIGHT, JOHN, US
[71] ALNYLAM PHARMACEUTICALS INC., US
[71] THE UAB RESEARCH FOUNDATION, US
[85] 2020-01-13
[86] 2018-07-13 (PCT/US2018/041977)
[87] (WO2019/014530)
[30] US (62/532,020) 2017-07-13
[30] US (62/576,783) 2017-10-25

[21] **3,069,869**
[13] A1
[51] **Int.Cl. C07C 217/08 (2006.01) A61K 31/133 (2006.01) A61P 11/06 (2006.01)**
[25] EN
[54] **NEW CRYSTALLINE FORMS OF VILANTEROL TRIFENATATE AND PROCESSES FOR THEIR PREPARATION**
[54] **NOUVELLES FORMES POLYMORPHES CRISTALLINES DE TRIFENATATE DE VILANTEROL ET PROCEDES DE PREPARATION ASSOCIES**
[72] LOURENCO, NUNO TORRES, PT
[72] SOBRAL, LUIS, PT
[72] FERNANDES, JOANA, PT
[71] HOVIONE SCIENTIA LIMITED, IE
[85] 2020-01-14
[86] 2018-07-09 (PCT/GB2018/051939)
[87] (WO2019/016511)
[30] PT (110209) 2017-07-19

[21] **3,069,870**
[13] A1
[51] **Int.Cl. C12N 5/07 (2010.01) C12N 5/09 (2010.01) B81B 1/00 (2006.01) C12M 3/00 (2006.01) C12M 3/02 (2006.01) C12Q 1/02 (2006.01) C40B 30/06 (2006.01) G01N 33/15 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **MICROFLUIDIC PLATFORM FOR THE RAPID PRODUCTION OF ORGANOIDS/SPHEROIDS FOR COMPOUND SCREENING**
[54] **PLATE-FORME MICROFLUIDIQUE POUR LA PRODUCTION RAPIDE D'ORGANOIDES/SPHEROIDES POUR CRIBLAGE DE COMPOSES**
[72] KUMACHEVA, EUGENIA, CA
[72] PRINCE, ELISABETH, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2020-01-14
[86] 2018-07-16 (PCT/CA2018/050862)
[87] (WO2019/010587)
[30] US (62/532,723) 2017-07-14

[21] **3,069,871**
[13] A1
[51] **Int.Cl. C01B 3/02 (2006.01) C01B 3/38 (2006.01) C01B 3/48 (2006.01) C01B 3/58 (2006.01) C01B 13/02 (2006.01) C01C 1/04 (2006.01) C25B 1/04 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING EFFICIENCY OF AN AMMONIA SYNTHESIS GAS PLANT**
[54] **PROCEDE D'AMELIORATION DE L'EFFICACITE D'UNE INSTALLATION DE GAZ DE SYNTHESE D'AMMONIAC**
[72] HAN, PAT A., DK
[72] KROLL JENSEN, ANNETTE E., DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-01-14
[86] 2018-07-11 (PCT/EP2018/068806)
[87] (WO2019/020377)
[30] DK (PA 2017 00425) 2017-07-25
[30] DK (PA 2017 00522) 2017-09-25

[21] **3,069,872**
[13] A1
[51] **Int.Cl. A01G 9/029 (2018.01)**
[25] EN
[54] **BED SEED HOLDER FOR GROW POD**
[54] **SUPPORT DE LIT DE GRAINES POUR NACELLE DE CULTURE**
[72] MILLAR, GARY BRET, US
[72] STOTT, MARK GERALD, US
[72] TUELLER, TODD GARRETT, US
[72] HURST, MICHAEL STEPHEN, US
[72] WOODBURY, TAYLOR JOHN, US
[72] BENTLEY, ALAN RAY, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-13
[86] 2018-05-25 (PCT/US2018/034551)
[87] (WO2018/231498)
[30] US (15/986,128) 2018-05-22
[30] US (62/519,310) 2017-06-14

[21] **3,069,873**
[13] A1
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/315 (2006.01) A61M 5/48 (2006.01)**
[25] EN
[54] **ASSISTED INJECTION DEVICE FOR SELECTIVELY INJECTING A COMPOSITION CONTAINED IN A MEDICAL CONTAINER**
[54] **DISPOSITIF D'INJECTION ASSISTEE POUR L'INJECTION SELECTIVE D'UNE COMPOSITION CONTENUE DANS UN RECIPIENT MEDICAL**
[72] CARREL, FRANCK, FR
[72] GAGLIANO, JULIEN, FR
[72] PEROT, FREDERIC, FR
[71] BECTON DICKINSON FRANCE, FR
[85] 2020-01-14
[86] 2018-07-20 (PCT/EP2018/069713)
[87] (WO2019/016351)
[30] EP (17305983.3) 2017-07-21

[21] **3,069,874**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD FOR PREDICTION OF RESPONSE TO CARDIOVASCULAR REGENERATION**
[54] **PROCEDE DE PREDICTION DE LA REPONSE A UNE REGENERATION CARDIOVASCULAIRE**
[72] STEINHOFF, GUSTAV, DE
[72] NESTERUK, JULIA, DE
[72] WOLFIEN, MARKUS, DE
[71] UNIVERSITAT ROSTOCK ZENTRALE UNIVERSITATSVERWALTUNG REFERAT 1.1 RECHT, DE
[85] 2020-01-14
[86] 2018-07-16 (PCT/EP2018/069307)
[87] (WO2019/016156)
[30] DE (10 2017 116 204.6) 2017-07-18

[21] **3,069,875**
[13] A1
[51] **Int.Cl. H04N 21/2343 (2011.01) H04N 21/845 (2011.01) H04N 19/124 (2014.01) H04N 19/147 (2014.01) H04N 19/154 (2014.01) H04N 19/179 (2014.01) H04N 19/192 (2014.01) H04N 19/59 (2014.01)**
[25] EN
[54] **ENCODING TECHNIQUES FOR OPTIMIZING DISTORTION AND BITRATE**
[54] **TECHNIQUES DE CODAGE PERMETTANT D'OPTIMISER UNE DISTORSION ET UN DEBIT BINAIRE**
[72] KATSAVOUNIDIS, IOANNIS, US
[71] NETFLIX, INC., US
[85] 2020-01-13
[86] 2018-07-16 (PCT/US2018/042338)
[87] (WO2019/018311)
[30] US (62/534,170) 2017-07-18
[30] US (16/034,303) 2018-07-12

[21] **3,069,876**
[13] A1
[51] **Int.Cl. E21B 31/18 (2006.01)**
[25] EN
[54] **RETRIEVAL SYSTEM**
[54] **SYSTEME DE RECUPERATION**
[72] SOMMER, RASMUS, DK
[71] WELLTEC A/S, DK
[85] 2020-01-14
[86] 2018-07-24 (PCT/EP2018/069967)
[87] (WO2019/020590)
[30] EP (17183075.5) 2017-07-25

[21] **3,069,877**
[13] A1
[51] **Int.Cl. B60L 53/67 (2019.01) B60L 53/31 (2019.01) B60L 53/60 (2019.01) H02J 1/10 (2006.01) H02J 7/00 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **CHARGING STATION WITH DYNAMIC CHARGING CURRENT DISTRIBUTION**
[54] **STATION DE CHARGE AVEC DISTRIBUTION DE COURANT DE CHARGE DYNAMIQUE**
[72] BROMBACH, JOHANNES, DE
[72] STRAFIEL, CHRISTIAN, DE
[72] GERTJEGERDES, STEFAN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2020-01-14
[86] 2018-07-24 (PCT/EP2018/069986)
[87] (WO2019/020600)
[30] DE (10 2017 116 886.9) 2017-07-26

[21] **3,069,878**
[13] A1
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **ASSISTED INJECTION DEVICE FOR INJECTING A COMPOSITION CONTAINED IN A MEDICAL CONTAINER WITH REDUCED EFFORTS**
[54] **DISPOSITIF D'INJECTION ASSISTE POUR L'INJECTION D'UNE COMPOSITION CONTENUE DANS UN RECIPIENT MEDICAL A EFFORTS REDUITS**
[72] GAGLIANO, JULIEN, FR
[71] BECTON DICKINSON FRANCE, FR
[85] 2020-01-14
[86] 2018-07-20 (PCT/EP2018/069701)
[87] (WO2019/016346)
[30] EP (17305982.5) 2017-07-21

[21] **3,069,879**
[13] A1
[51] **Int.Cl. G01N 33/18 (2006.01)**
[25] FR
[54] **METHOD FOR DETECTING THE PRESENCE OF A CONTAMINANT IN A LIQUID**
[54] **PROCEDE DE DETERMINATION DE LA PRESENCE D'UN CONTAMINANT DANS UN LIQUIDE**
[72] CHAUMOT, ARNAUD, FR
[72] DAUPHIN, MAXIME, FR
[72] DECAMPS, ALEXANDRE, FR
[72] GEFFARD, OLIVIER, FR
[72] MOULIN, FLORIAN, FR
[72] NEUZERET, DIDIER, FR
[72] QUEAU, HERVE, FR
[71] INSTITUT NATIONAL DE RECHERCHE EN SCIENCES ET TECHNOLOGIES POUR L'ENVINNEMENT ET L'AGRICULTURE, FR
[71] VIEW POINT, FR
[85] 2020-01-14
[86] 2018-07-18 (PCT/EP2018/069523)
[87] (WO2019/016273)
[30] FR (1756815) 2017-07-18

[21] **3,069,880**
[13] A1
[51] **Int.Cl. A61K 35/761 (2015.01) A61K 39/235 (2006.01) A61K 48/00 (2006.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **APHERESIS METHODS AND USES**
[54] **METHODES D'APHERESE ET UTILISATIONS ASSOCIEES**
[72] WRIGHT, JOHN FRASER, US
[72] CARR, MARCUS EUGENE, JR., US
[71] SPARK THERAPEUTICS, INC., US
[85] 2020-01-13
[86] 2018-07-17 (PCT/US2018/042553)
[87] (WO2019/018439)
[30] US (62/533,579) 2017-07-17

[21] **3,069,881**
[13] A1
[51] **Int.Cl. E21B 33/127 (2006.01)**
[25] EN
[54] **ANNULAR BARRIER FOR SMALL DIAMETER WELLS**
[54] **BARRIERE ANNULAIRE POUR PUITS DE PETIT DIAMETRE**
[72] VASQUES, RICARDO REVES, DK
[71] WELLTEC OILFIELD SOLUTIONS AG, CH
[85] 2020-01-14
[86] 2018-07-26 (PCT/EP2018/070249)
[87] (WO2019/020729)
[30] EP (17183604.2) 2017-07-27
[30] EP (17200098.6) 2017-11-06

[21] **3,069,882**
[13] A1
[51] **Int.Cl. F03D 1/06 (2006.01)**
[25] EN
[54] **ROTOR BLADE OF A WIND TURBINE ROTOR, WIND TURBINE AND METHOD FOR IMPROVING THE EFFICIENCY OF A WIND TURBINE ROTOR**
[54] **PALE DE ROTOR D'UN ROTOR D'UN AEROGENERATEUR, AEROGENERATEUR ET PROCEDE D'AMELIORATION DU TAUX DE RENDEMENT D'UN ROTOR D'UN AEROGENERATEUR**
[72] RUBNER, FLORIAN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2020-01-14
[86] 2018-08-07 (PCT/EP2018/071340)
[87] (WO2019/030205)
[30] DE (10 2017 117 843.0) 2017-08-07

[21] **3,069,883**
[13] A1
[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **HELICOPTER VENTILATION ARCHITECTURE WITH MIXING CHAMBER**
[54] **ARCHITECTURE DE VENTILATION D'HELICOPTERE A CHAMBRE DE MELANGE**
[72] CASTELLI, CHRISTOPHE, FR
[72] DEL RIO, FABIEN, FR
[72] CHALLAS, FLORENT, FR
[72] MANEL-DELALEUX, JEAN, FR
[71] SAFRAN ELECTRICAL & POWER, FR
[85] 2020-01-14
[86] 2018-07-10 (PCT/FR2018/051735)
[87] (WO2019/016444)

[21] **3,069,884**
[13] A1
[51] **Int.Cl. F28F 13/18 (2006.01) C23C 18/16 (2006.01)**
[25] EN
[54] **HEAT EXCHANGE ELEMENT WITH MICROSTRUCTURED COATING AND PROCESS FOR PRODUCTION**
[54] **ELEMENT D'ECHANGE DE CHALEUR DOTE D'UN REVETEMENT MICROSTRUCTURE ET PROCEDE DE PRODUCTION**
[72] DOBSON, PETER, GB
[72] REIP, ALEXANDER, GB
[72] ANDERSON, ANDREW, GB
[72] BULLEN, TIM, GB
[71] OXFORD NANOSYSTEMS LTD, GB
[85] 2020-01-14
[86] 2018-07-27 (PCT/GB2018/052125)
[87] (WO2019/021016)
[30] GB (1712103.9) 2017-07-27
[30] GB (1712104.7) 2017-07-27

[21] **3,069,885**
[13] A1
[51] **Int.Cl. C08L 23/10 (2006.01) C08J 5/18 (2006.01) C08K 3/00 (2018.01)**
[25] EN
[54] **THERMOPLASTIC RESIN COMPOSITION AND FORMED ARTICLE FORMED BY USING THERMOPLASTIC RESIN COMPOSITION**
[54] **COMPOSITION DE RESINE THERMOPLASTIQUE ET ARTICLE MOULE OBTENU A PARTIR DE CELLE-CI**
[72] KUROKI, SHIGEKI, JP
[72] SASAKAWA, GOUKI, JP
[71] TBM CO., LTD., JP
[85] 2020-01-14
[86] 2018-09-19 (PCT/JP2018/034606)
[87] (WO2019/059222)
[30] JP (2017-181511) 2017-09-21

[21] **3,069,887**
[13] A1
[51] **Int.Cl. A61K 36/185 (2006.01) A61K 36/235 (2006.01) A61K 36/31 (2006.01) A61K 36/48 (2006.01) A61K 36/61 (2006.01) A61K 36/67 (2006.01)**
[25] EN
[54] **COMPOSITION CONTAINING CANNABINOIDS WITH IMPROVED BIOAVAILABILITY**
[54] **COMPOSITION CONTENANT DES CANNABINOIDES PRESENTANT UNE BIODISPONIBILITE AMELIOREE**
[72] HALPERIN WERNLI, MIRIAM, CH
[72] WERNLI, JORGE, CH
[72] TREPP, GIAN BATISTA, CH
[72] HUBER, SILVIA, CH
[72] MADEA, FRANCO, CH
[71] CRESO PHARMA SWITZERLAND GMBH, CH
[85] 2020-01-14
[86] 2018-08-07 (PCT/IB2018/000862)
[87] (WO2019/030561)
[30] US (62/542,459) 2017-08-08

[21] **3,069,888**
[13] A1
[51] **Int.Cl. G06Q 50/10 (2012.01) E05G 1/06 (2006.01) G03B 15/12 (2006.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **LOW-COST COMPUTERIZED KIOSKS FOR REMOTE COLLECTION OF ELECTRONIC DEVICES FOR VALUE**
[54] **KIOSQUES INFORMATISES A FAIBLE COUT POUR UNE COLLECTE A DISTANCE DE DISPOSITIFS ELECTRONIQUES A TITRE ONEREUX**
[72] DION, DOMINIQUE, CA
[72] MASTRONARDI, TONY, CA
[71] A LA CARTE MEDIA, INC., CA
[85] 2020-01-14
[86] 2018-07-13 (PCT/IB2018/055218)
[87] (WO2019/012505)
[30] US (62/532,635) 2017-07-14

[21] **3,069,889**
[13] A1
[51] **Int.Cl. A01G 9/24 (2006.01) A01G 31/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHOD FOR RECYCLING HEAT IN A GROW POD**
[54] **SYSTEMES ET PROCEDE DE RECUPERATION DE LA CHALEUR DANS UN MODULE DE CULTURE**
[72] MILLAR, GARY BRET, US
[72] STOTT, MARK GERALD, US
[72] HURST, MICHAEL STEPHEN, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-13
[86] 2018-05-30 (PCT/US2018/035012)
[87] (WO2018/231513)

[21] **3,069,890**
[13] A1
[51] **Int.Cl. G03B 15/12 (2006.01) G06Q 50/10 (2012.01) B65D 55/00 (2006.01) E05G 1/06 (2006.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **LOW-COST APPARATUS AND METHOD FOR DISTRIBUTED REMOTE COLLECTION OF ELECTRONIC DEVICES FOR VALUE**
[54] **APPAREIL A FAIBLE COUT ET PROCEDE DE RECUPERATION DECENTRALISEE ET A DISTANCE DE DISPOSITIFS ELECTRONIQUES A TITRE ONEREUX**
[72] DION, DOMINIQUE, CA
[72] MASTRONARDI, TONY, CA
[71] A LA CARTE MEDIA, INC., CA
[85] 2020-01-14
[86] 2018-07-13 (PCT/IB2018/055219)
[87] (WO2019/012506)
[30] US (62/532,526) 2017-07-14

[21] **3,069,891**
[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) A61B 5/00 (2006.01)**
[25] EN
[54] **DISCOVERING NOVEL FEATURES TO USE IN MACHINE LEARNING TECHNIQUES, SUCH AS MACHINE LEARNING TECHNIQUES FOR DIAGNOSING MEDICAL CONDITIONS**
[54] **DECOUVERTE DE NOUVELLES CARACTERISTIQUES A UTILISER DANS DES TECHNIQUES D'APPRENTISSAGE AUTOMATIQUE, TELLES QUE DES TECHNIQUES D'APPRENTISSAGE AUTOMATIQUE POUR DIAGNOSTIQUER DES ETATS DE SANTE**
[72] GROUCHY, PAUL, CA
[72] BURTON, TIMOTHY, CA
[72] KHOSOUSI, ALI, CA
[72] DOOMRA, ABHINAV, CA
[72] GUPTA, SUNNY, CA
[71] ANALYTICS FOR LIFE INC., CA
[85] 2020-01-14
[86] 2018-07-18 (PCT/IB2018/000902)
[87] (WO2019/016598)
[30] US (15/653,433) 2017-07-18

[21] **3,069,892**
[13] A1
[51] **Int.Cl. F24C 15/20 (2006.01)**
[25] EN
[54] **A COOKTOP**
[54] **TABLE DE CUISSON**
[72] BUSSOTTO, LORENZO, IT
[72] GARGIULO, ANTONELLO, IT
[71] ELICA S.P.A, IT
[85] 2020-01-14
[86] 2018-08-13 (PCT/IB2018/056085)
[87] (WO2019/038632)
[30] IT (102017000095549) 2017-08-23

[21] **3,069,893**
[13] A1
[51] **Int.Cl. G01C 21/36 (2006.01) G01C 21/34 (2006.01)**
[25] EN
[54] **DISPLAYING VISIBLE POINTS OF INTEREST WITH A NAVIGATION SYSTEM**
[54] **AFFICHAGE DE POINTS D'INTERET VISIBLES A L'AIDE D'UN SYSTEME DE NAVIGATION**
[72] MOORE, CHRISTOPHER, US
[72] SUH, JANICE J., US
[72] KADLEC, BENJAMIN, US
[72] TAO, CHRISTINE MISUYE, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2020-01-14
[86] 2018-06-07 (PCT/IB2018/054118)
[87] (WO2019/012342)
[30] US (15/650,722) 2017-07-14

[21] **3,069,894**
[13] A1
[51] **Int.Cl. C07C 273/16 (2006.01) C07C 273/02 (2006.01)**
[25] EN
[54] **UREA FINISHING AND OFF-GAS TREATMENT PLANT AND PROCESS**
[54] **INSTALLATION ET PROCEDE DE FINITION D'UREE ET DE TRAITEMENT DE GAZ D'ECHAPPEMENT**
[72] COLOMA GONZALEZ, JUAN, NL
[72] MENNEN, JOHANNES HENRICUS, NL
[71] STAMICARBON B.V., NL
[85] 2020-01-14
[86] 2018-07-13 (PCT/NL2018/050484)
[87] (WO2019/013639)
[30] EP (17181412.2) 2017-07-14

[21] **3,069,897**
[13] A1
[51] **Int.Cl. C12N 5/0784 (2010.01) A61K 35/15 (2015.01)**
[25] EN
[54] **MATURATION OF DENDRITIC CELLS**
[54] **MATURATION DE CELLULES DENDRITIQUES**
[72] DHEDA, KEERTAN UNKHA JAIRAM, ZA
[72] TOMASICCHIO, MICHELE, ZA
[71] BIOCLONES PROPRIETARY LIMITED, TRADING AS GENIUS BIOTHERAPEUTICS, ZA
[85] 2020-01-14
[86] 2018-07-13 (PCT/IB2018/055192)
[87] (WO2019/012492)
[30] GB (1711379.6) 2017-07-14

[21] **3,069,898**
[13] A1
[51] **Int.Cl. H04N 5/782 (2006.01) H04N 21/262 (2011.01) H04N 21/433 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EXTENDING RECORDINGS FOR MEDIA CONTENT BASED ON AGGREGATING USER DATA**
[54] **SYSTEMES ET PROCEDES POUR ETENDRE DES ENREGISTREMENTS POUR UN CONTENU MULTIMEDIA SUR LA BASE DE L'AGREGATION DE DONNEES UTILISATEUR**
[72] KHANNA, RAJESH, US
[71] ROVI GUIDES, INC., US
[85] 2020-01-14
[86] 2017-07-27 (PCT/US2017/044239)
[87] (WO2019/022748)

[21] **3,069,900**
[13] A1
[51] **Int.Cl. B61H 13/04 (2006.01)**
[25] EN
[54] **LOCOMOTIVE PARKING BRAKE**
[54] **FREIN DE STATIONNEMENT DE LOCOMOTIVE**
[72] CALL, DERICK, US
[72] BANKS, CARL, US
[72] VAN DERZEE, NICHOLAS, US
[72] BARNHART, STEVEN MICHAEL, US
[72] VENDLINSKI, JAMES LEWIS, US
[71] NEW YORK AIR BRAKE LLC, US
[85] 2020-01-14
[86] 2017-07-18 (PCT/US2017/042552)
[87] (WO2019/017898)
[30] US (15/652,434) 2017-07-18

[21] **3,069,901**
[13] A1
[51] **Int.Cl. A41D 19/015 (2006.01) A63B 71/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MAKING GLOVES**
[54] **SYSTEMES ET PROCEDES DE FABRICATION DE GANTS**
[72] LEMIEUX, ERIC, CA
[71] EPOCH LACROSSE LLC, US
[85] 2020-01-13
[86] 2018-07-13 (PCT/US2018/042039)
[87] (WO2019/014563)
[30] US (62/532,187) 2017-07-13

[21] **3,069,902**
[13] A1
[51] **Int.Cl. A61K 31/202 (2006.01) A61K 31/122 (2006.01) A61K 36/53 (2006.01) A61K 36/71 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING THYMOQUINONE AND OMEGA-3 FATTY ACIDS**
[54] **COMPOSITIONS COMPRENANT DE LA THYMOQUINONE ET DES ACIDES GRAS OMEGA-3**
[72] SELA, YORAM, IL
[72] ZEILKHA, MOR, IL
[72] LAMENSDORF, ITSCHAK, IL
[71] TRINUTRA LTD., IL
[85] 2020-01-14
[86] 2018-07-15 (PCT/IL2018/050775)
[87] (WO2019/016794)
[30] US (62/533,024) 2017-07-15

[21] **3,069,904**
[13] A1
[51] **Int.Cl. A01C 15/00 (2006.01) A01D 41/12 (2006.01) A01F 12/60 (2006.01) A01F 25/16 (2006.01) G01F 23/292 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING SEED LEVELS IN A GROW POD**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER DES NIVEAUX DE GRAINES DANS UNE BARQUETTE DE CULTURE**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-14
[86] 2018-05-21 (PCT/US2018/033635)
[87] (WO2018/231433)
[30] US (62/519,304) 2017-06-14
[30] US (62/519,605) 2017-06-14
[30] US (15/983,279) 2018-05-18

[21] **3,069,906**
[13] A1
[51] **Int.Cl. A01G 9/14 (2006.01) A01G 31/04 (2006.01) B65G 21/18 (2006.01) B65G 47/96 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CLEANING A TRAY IN AN ASSEMBLY LINE GROW POD**
[54] **SYSTEMES ET PROCEDES DE NETTOYAGE D'UN PLATEAU DANS UN MODULE DE CULTURE DE CHAINE DE PRODUCTION**
[72] MILLAR, GARY BRET, US
[72] STOTT, MARK GERALD, US
[72] TUELLER, TODD GARRETT, US
[72] HURST, MICHAEL STEPHEN, US
[72] BENTLEY, ALAN RAY, US
[72] WOODBURY, TAYLOR JOHN, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-14
[86] 2018-03-22 (PCT/US2018/023825)
[87] (WO2018/231311)
[30] US (62/519,442) 2017-06-04
[30] US (62/519,304) 2017-06-14
[30] US (15/926,746) 2018-03-20

[21] **3,069,909**
[13] A1
[51] **Int.Cl. C07F 9/58 (2006.01) C12N 15/113 (2010.01) C07F 15/02 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **GENERAL AND DIRECT METHOD FOR PREPARING OLIGONUCLEOTIDE-FUNCTIONALIZED METAL-ORGANIC FRAMEWORK NANOPARTICLES**
[54] **PROCEDE GENERAL ET DIRECT POUR PREPARER DES NANOPARTICULES A STRUCTURE ORGANOMETALLIQUE FONCTIONNALISEES PAR DES OLIGONUCLEOTIDES**
[72] MIRKIN, CHAD A., US
[72] WANG, SHUNZHI, US
[71] NORTHWESTERN UNIVERSITY, US
[85] 2020-01-13
[86] 2018-07-13 (PCT/US2018/042050)
[87] (WO2019/032241)
[30] US (62/532,241) 2017-07-13

[21] **3,069,913**
[13] A1
[51] **Int.Cl. B01J 2/28 (2006.01) C05D 1/00 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **GRANULATED POLYHALITE AND POTASH MIXTURE AND A PROCESS FOR THE PRODUCTION THEREOF**
[54] **MELANGE GRANULE DE POLYHALITE ET DE POTASSE ET UN PROCESSUS DE PRODUCTION DE CELUI-CI**
[72] LATI, JOSEPH, IL
[72] ABU RABEAH, KHALIL, IL
[72] SOCOLOVSKY, RUBEN, IL
[72] ALHOWASHLA, AYOUB, IL
[72] GEINIK, NATALIA, IL
[72] LEVY, YACOV, IL
[72] MAVHUNGA, NIZBERT, GB
[72] COHEN, OFIR, IL
[71] ICL EUROPE COOPERATIEF U.A., NL
[85] 2020-01-14
[86] 2018-07-17 (PCT/IL2018/050788)
[87] (WO2019/016804)
[30] US (62/533,209) 2017-07-17

[21] **3,069,914**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTIBODIES TO MADCAM**
[54] **ANTICORPS DIRIGES CONTRE MADCAM**
[72] ANDERSON, KARIN, US
[71] PFIZER INC., US
[85] 2020-01-13
[86] 2018-07-13 (PCT/US2018/042052)
[87] (WO2019/014572)
[30] US (62/532,809) 2017-07-14

[21] **3,069,916**
[13] A1
[51] **Int.Cl. A01G 9/14 (2006.01) A01G 31/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MEASURING PLANT GROWTH**
[54] **SYSTEME ET PROCEDE DE MESURE DE LA CROISSANCE DE PLANTES**
[72] MILLAR, GARY BRET, US
[72] HURST, MICHAEL STEPHEN, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-14
[86] 2018-05-24 (PCT/US2018/034396)
[87] (WO2018/231492)
[30] US (62/519,660) 2017-06-14
[30] US (15/985,503) 2018-05-21

[21] **3,069,917**
[13] A1
[51] **Int.Cl. A01G 31/04 (2006.01) A01G 9/24 (2006.01) A01G 31/00 (2018.01) B08B 3/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RECLAIMING WATER IN AN ASSEMBLY LINE GROW POD**
[54] **SYSTEMES ET PROCEDE DE RECUPERATION D'EAU DANS UN MODULE DE CULTURE DE CHAINE D'ASSEMBLAGE**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-14
[86] 2018-05-23 (PCT/US2018/034161)
[87] (WO2018/231468)
[30] US (62/519,405) 2017-06-14
[30] US (62/519,410) 2017-06-14
[30] US (15/985,098) 2018-05-21

[21] **3,069,918**
[13] A1
[51] **Int.Cl. A01G 31/04 (2006.01) A01G 9/18 (2006.01) A01G 9/24 (2006.01) A01G 31/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING A TESTING CHAMBER**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE D'UNE CHAMBRE D'ESSAI**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-14
[86] 2018-05-08 (PCT/US2018/031507)
[87] (WO2018/231368)
[30] US (62/519,330) 2017-06-14
[30] US (62/519,304) 2017-06-14
[30] US (15/972,895) 2018-05-07

[21] **3,069,919**
[13] A1
[51] **Int.Cl. A01G 7/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR UTILIZING WAVES IN A GROW POD**
[54] **SYSTEME ET PROCEDE D'UTILISATION D'ONDES DANS UN MODULE DE CULTURE**
[72] MILLAR, GARY BRET, US
[72] STOTT, MARK GERALD, US
[72] TUELLER, TODD GARRETT, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-14
[86] 2018-05-25 (PCT/US2018/034590)
[87] (WO2018/231500)
[30] US (62/519,647) 2017-06-14
[30] US (15/987,306) 2018-05-23

[21] **3,069,921**
[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A61K 31/44 (2006.01) A61K 31/51 (2006.01) A61K 31/525 (2006.01) A61K 31/70 (2006.01) C07D 311/30 (2006.01)**
[25] EN
[54] **METHODS OF TREATING AUTOIMMUNE MICROVASCULAR DISORDERS**
[54] **METHODES DE TRAITEMENT DE TROUBLES MICROVASCULAIRES AUTO-IMMUNS**
[72] LEVY, ROBERT M., US
[71] PRIMUS PHARMACEUTICALS, INC., US
[85] 2020-01-13
[86] 2018-07-18 (PCT/US2018/042573)
[87] (WO2019/018455)
[30] US (62/534,237) 2017-07-19

[21] **3,069,923**
[13] A1
[51] **Int.Cl. H04N 5/235 (2006.01) H04N 5/355 (2011.01) G06T 5/00 (2006.01) H04N 5/232 (2006.01)**
[25] EN
[54] **MULTIPLEXED HIGH DYNAMIC RANGE IMAGES**
[54] **IMAGES A GRANDE GAMME DYNAMIQUE MULTIPLEXEES**
[72] FRANKLIN, CRAIG R., US
[71] RAYTHEON COMPANY, US
[85] 2020-01-14
[86] 2018-05-15 (PCT/US2018/032745)
[87] (WO2019/022812)
[30] US (15/662,055) 2017-07-27

[21] **3,069,924**
[13] A1
[51] **Int.Cl. A01G 31/04 (2006.01) A01G 9/24 (2006.01) A01G 25/16 (2006.01)**
[25] EN
[54] **PERISTALTIC PUMPS IN AN ASSEMBLY LINE GROW POD AND METHODS OF PROVIDING FLUIDS VIA PERISTALTIC PUMPS**
[54] **POMPES PERISTALTIQUES DANS UN MODULE DE CULTURE A LA CHAINE ET PROCEDES DE FOURNITURE DE FLUIDES PAR L'INTERMEDIAIRE DE POMPES PERISTALTIQUES**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-14
[86] 2018-05-30 (PCT/US2018/035050)
[87] (WO2018/231518)
[30] US (15/991,510) 2018-05-29
[30] US (62/519,438) 2017-06-14
[30] US (62/519,428) 2017-06-14

[21] **3,069,926**
[13] A1
[51] **Int.Cl. B60L 13/00 (2006.01) B60L 13/04 (2006.01) B61B 13/08 (2006.01) E01B 25/34 (2006.01)**
[25] EN
[54] **VEHICLE-BASED GUIDED SWITCHING**
[54] **COMMUTATION GUIDEE BASEE SUR UN VEHICULE**
[72] USMAN, IRFAN, US
[72] JEDINGER, ALEX, US
[72] HANSL, MARIO, US
[71] HYPERLOOP TECHNOLOGIES, INC., US
[85] 2020-01-13
[86] 2018-07-19 (PCT/US2018/042912)
[87] (WO2019/018661)
[30] US (62/535,595) 2017-07-21

[21] **3,069,927**
[13] A1
[51] **Int.Cl. A01G 9/00 (2018.01) G05B 23/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING AN EXTERNAL NOTIFICATION OF A GROW POD STATUS**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR UNE NOTIFICATION EXTERNE D'UN ETAT DE CAPSULE DE CULTURE**
[72] MILLAR, GARY BRET, US
[72] STOTT, MARK GERALD, US
[72] HURST, MICHAEL STEPHEN, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-14
[86] 2018-05-30 (PCT/US2018/035146)
[87] (WO2018/231524)
[30] US (62/519,304) 2017-06-14
[30] US (15/991,199) 2018-05-29
[30] US (62/519,416) 2017-06-14

[21] **3,069,930**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/20 (2006.01) A61K 38/21 (2006.01) A61K 39/395 (2006.01) A61P 35/04 (2006.01) C07K 14/525 (2006.01) C07K 14/555 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **CD8 BINDING AGENTS**
[54] **AGENTS DE LIAISON AU CD8**
[72] KLEY, NIKOLAI, US
[72] TAVERNIER, JAN, BE
[72] ZABEAU, LENNART, BE
[72] DEPLA, ERIK, BE
[71] ORIONIS BIOSCIENCES INC., US
[71] ORIONIS BIOSCIENCES NV, BE
[85] 2020-01-13
[86] 2018-08-08 (PCT/US2018/045741)
[87] (WO2019/032661)
[30] US (62/542,920) 2017-08-09

[21] **3,069,931**
[13] A1
[51] **Int.Cl. A01G 31/04 (2006.01) G06Q 50/02 (2012.01) A01G 2/00 (2018.01) A01G 22/00 (2018.01)**
[25] EN
[54] **SYSTEM FOR IMPLEMENTING MODIFIED RECIPES IN A PLURALITY OF GROW PODS**
[54] **SYSTEMES DE MISE EN UVRE DE RECETTES MODIFIEES DANS UNE PLURALITE DE MODULES DE CULTURE**
[72] MILLAR, GARY BRET, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-14
[86] 2018-06-04 (PCT/US2018/035889)
[87] (WO2018/231572)
[30] US (62/519,346) 2017-06-14
[30] US (62/519,633) 2017-06-14
[30] US (15/996,285) 2018-06-01

[21] **3,069,933**
[13] A1
[51] **Int.Cl. C12N 15/115 (2010.01) A61K 8/60 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **APTAMERS FOR ORAL CARE APPLICATIONS**
[54] **APTAMERES POUR COMPOSITIONS DE SOIN BUCCAL**
[72] VELASQUEZ, JUAN ESTEBAN, US
[72] TREJO, AMY VIOLET, US
[72] SAGEL, PAUL ALBERT, US
[72] PENNER, GREGORY ALLEN, CA
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-13
[86] 2018-08-09 (PCT/US2018/045954)
[87] (WO2019/032795)
[30] US (62/542,936) 2017-08-09

[21] **3,069,934**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6848 (2018.01) C12Q 1/6853 (2018.01) C12Q 1/686 (2018.01)**
[25] EN
[54] **NEGATIVE-POSITIVE ENRICHMENT FOR NUCLEIC ACID DETECTION**
[54] **ENRICHISSEMENT NEGATIF-POSITIF POUR LA DETECTION D'ACIDES NUCLEIQUES**
[72] SHUBER, ANTHONY P., US
[71] GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC., US
[85] 2020-01-14
[86] 2018-06-13 (PCT/US2018/037277)
[87] (WO2018/231945)
[30] US (62/519,051) 2017-06-13
[30] US (62/526,091) 2017-06-28
[30] US (62/568,121) 2017-10-04
[30] US (15/877,619) 2018-01-23
[30] US (62/656,592) 2018-04-12

[21] **3,069,936**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 30/02 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING AND PROVIDING PERSONALIZED SELF-HELP CONTENT WITH ARTIFICIAL INTELLIGENCE IN A CUSTOMER SELF-HELP SYSTEM**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION ET DE FOURNITURE DE CONTENUS D'AUTO-ASSISTANCE PERSONNALISES A L'AIDE D'UNE INTELLIGENCE ARTIFICIELLE DANS UN SYSTEME D'AUTO-ASSISTANCE DE CLIENT**
[72] INDYK, BENJAMIN, US
[72] PODGORNY, IGOR A., US
[72] WEI, LING FENG, US
[72] SHARAFI, FARAZ, US
[71] INTUIT INC., US
[85] 2020-01-14
[86] 2018-07-06 (PCT/US2018/041092)
[87] (WO2019/014066)
[30] US (15/650,236) 2017-07-14

[21] **3,069,937**
[13] A1
[51] **Int.Cl. H04W 16/28 (2009.01) H04W 52/02 (2009.01) H04B 7/06 (2006.01) H04B 7/08 (2006.01) H04W 76/28 (2018.01)**
[25] EN
[54] **BEAM MANAGEMENT FOR CONNECTED DISCONTINUOUS RECEPTION WITH ADVANCED GRANT INDICATOR**
[54] **GESTION DE FAISCEAUX POUR RECEPTION DISCONTINUE CONNECTEE A INDICATEUR D'AUTORISATION EVOLUE**
[72] LUO, JIANGHONG, US
[72] ISLAM, MUHAMMAD NAZMUL, US
[72] NAGARAJA, SUMEETH, US
[72] SAMPATH, ASHWIN, US
[72] SUBRAMANIAN, SUNDAR, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-01-13
[86] 2018-08-20 (PCT/US2018/047087)
[87] (WO2019/040369)
[30] US (16/104,656) 2018-08-17
[30] US (62/548,142) 2017-08-21

[21] **3,069,938**
[13] A1
[51] **Int.Cl. C12Q 1/683 (2018.01)**
[25] EN
[54] **ISOLATION OF TARGET NUCLEIC ACIDS**
[54] **ISOLEMENT D'ACIDES NUCLEIQUES CIBLES**
[72] GLOVER, WILLIAM, US
[71] GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC., US
[85] 2020-01-14
[86] 2018-06-13 (PCT/US2018/037294)
[87] (WO2018/231955)
[30] US (62/519,051) 2017-06-13
[30] US (62/526,091) 2017-06-28

[21] **3,069,939**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **TUMOR DETECTION AND MONITORING**
[54] **DETECTION ET SURVEILLANCE DE TUMEUR**
[72] SHUBER, ANTHONY P., US
[71] GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC., US
[85] 2020-01-13
[86] 2018-10-12 (PCT/US2018/055648)
[87] (WO2019/221773)
[30] US (16/018,926) 2018-06-26
[30] US (62/672,217) 2018-05-16

[21] **3,069,940**
[13] A1
[51] **Int.Cl. B01J 20/02 (2006.01) B01D 53/02 (2006.01) B01D 53/64 (2006.01) B01J 20/10 (2006.01) B01J 20/20 (2006.01) B01J 20/28 (2006.01)**
[25] EN
[54] **ERODANTS AS CONVEYANCE AIDS AND METHOD OF MERCURY REMOVAL**
[54] **AGENTS D'EROSION EN TANT QU'AUXILIAIRES DE TRANSPORT ET PROCEDE D'ELIMINATION DE MERCURE**
[72] ADLER, GERALD D., US
[72] KOEHLERT, KENNETH C., US
[72] GREENFIELD, MATTHEW B., US
[72] MOESER, GEOFFREY D., US
[71] CABOT CORPORATION, US
[85] 2020-01-14
[86] 2018-07-03 (PCT/US2018/040702)
[87] (WO2019/018132)
[30] US (62/533,310) 2017-07-17

[21] **3,069,942**
[13] A1
[51] **Int.Cl. B01D 53/04 (2006.01) B01D 46/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REMOVAL OF MERCURY AND/OR HYDROCHLORIC ACID FROM GAS STREAMS USING CALCIUM-CONTAINING PARTICLES**
[54] **SYSTEMES ET PROCEDES D'ELIMINATION DU MERCURE OU DE L'ACIDE CHLORHYDRIQUE A PARTIR DE FLUX GAZEUX A L'AIDE DE PARTICULES CONTENANT DU CALCIUM**
[72] LEE, HAROLD WAYNE, II, US
[72] KINNER, LAURA L., US
[72] MURDOCK, DOUGLAS C., US
[72] BLACKHAM, FRED DOUGLAS, US
[72] HEINTZELMAN, JOHN B., US
[71] GRAYMONT (PA) INC., US
[85] 2020-01-14
[86] 2018-07-06 (PCT/US2018/041135)
[87] (WO2019/027622)
[30] US (62/541,604) 2017-08-04

[21] **3,069,945**
[13] A1
[51] **Int.Cl. A01H 5/12 (2018.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **ANTHRACNOSE RESISTANT ALFALFA PLANTS**
[54] **PLANTES DE LUZERNE RESISTANTES A L'ANTHRACNOSE**
[72] RODGERS, CHARLES A., US
[72] MCCASLIN, MARK H., US
[72] WITTE, DAVID D., US
[72] HO, JULIE CHIU-LEE, US
[72] CAMERON, JOHN NICOLAS, US
[71] FORAGE GENETICS INTERNATIONAL, LLC, US
[85] 2020-01-13
[86] 2018-07-13 (PCT/US2018/042072)
[87] (WO2019/014584)
[30] US (62/532,151) 2017-07-13

[21] **3,069,948**
[13] A1
[51] **Int.Cl. A61K 9/24 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES**
[72] ALLGEIER, MATTHEW CARL, US
[72] ZHANG, TONY YANTAO, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-01-14
[86] 2018-07-10 (PCT/US2018/041378)
[87] (WO2019/018155)
[30] US (62/533,332) 2017-07-17
[30] US (62/538,936) 2017-07-31

[21] **3,069,949**
[13] A1
[51] **Int.Cl. A61B 17/02 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE LENGTH, REUSABLE RETRACTION BLADES**
[54] **LAMES DE RETRACTION REUTILISABLES A LONGUEUR REGLABLE**
[72] ROSENBAUM, JOANNA, US
[72] TILLMAN, SARA, US
[72] VANDEWEGHE, ANDREW, US
[72] HUSSEY, TIMOTHY, US
[72] TOTH, BRANDON, US
[72] WILLIAMS, BRADLEY, US
[72] MCQUAIDE, JESSICA, US
[72] CARTWRIGHT, JASON, US
[72] FEDENIA, ADAM, US
[72] WILSCHKE, THOMAS, US
[71] CAREFUSION 2200, INC., US
[85] 2020-01-14
[86] 2018-07-10 (PCT/US2018/041487)
[87] (WO2019/014252)
[30] US (15/650,496) 2017-07-14

[21] **3,069,950**
[13] A1
[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/154 (2006.01)**
[25] EN
[54] **DEVICE FOR TRAPPING AN INITIAL FLOW OF BLOOD**
[54] **DISPOSITIF DE PIEGEAGE D'UN FLUX DE SANG INITIAL**
[72] IVOSEVIC, MILAN, US
[71] BECTON. DICKINSON AND COMPANY, US
[85] 2020-01-14
[86] 2018-07-17 (PCT/US2018/042367)
[87] (WO2019/018324)
[30] US (62/533,288) 2017-07-17

[21] **3,069,951**
[13] A1
[51] **Int.Cl. C12Q 1/22 (2006.01) C12M 1/12 (2006.01) G01N 27/00 (2006.01) G01N 33/497 (2006.01)**
[25] EN
[54] **PROCESS FOR DETERMINING VIABILITY OF TEST MICROORGANISMS OF BIOLOGICAL INDICATOR AND STERILIZATION DETECTION DEVICE FOR DETERMINING SAME**
[54] **PROCEDE DE DETERMINATION DE LA VIABILITE DE MICRO-ORGANISMES DE TEST D'INDICATEUR BIOLOGIQUE ET DISPOSITIF DE DETECTION DE STERILISATION POUR LA DETERMINER**
[72] CENTANNI, MICHAEL A., US
[72] FRANCISKOVICH, PHILLIP P., US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2020-01-14
[86] 2018-07-11 (PCT/US2018/041584)
[87] (WO2019/014313)
[30] US (62/532,512) 2017-07-14
[30] US (15/699,191) 2017-09-08

[21] **3,069,952**
[13] A1
[51] **Int.Cl. C12Q 1/22 (2006.01) C12M 1/12 (2006.01) G01N 27/04 (2006.01) G01N 33/497 (2006.01)**
[25] EN
[54] **PROCESS FOR DETERMINING VIABILITY OF TEST MICROORGANISMS OF BIOLOGICAL INDICATOR AND STERILIZATION DETECTION DEVICE FOR DETERMINING SAME**
[54] **PROCEDE PERMETTANT DE DETERMINER LA VIABILITE DE MICRO-ORGANISMES D'ESSAI D'INDICATEUR BIOLOGIQUE ET DISPOSITIF DE DETECTION DE STERILISATION PERMETTANT DE DETERMINER CELLE-CI**
[72] FRANCISKOVICH, PHILLIP P., US
[72] CENTANNI, MICHAEL A., US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2020-01-14
[86] 2018-07-11 (PCT/US2018/041589)
[87] (WO2019/014316)
[30] US (62/532,516) 2017-07-14
[30] US (15/699,220) 2017-09-08

[21] **3,069,953**
[13] A1
[51] **Int.Cl. D04H 1/02 (2006.01) D04H 1/4274 (2012.01) D04H 1/435 (2012.01) A47C 27/22 (2006.01) A47G 9/10 (2006.01) B68G 1/00 (2006.01)**
[25] EN
[54] **FIBER COMBINATION**
[54] **COMBINAISON DE FIBRES**
[72] ALLETTO, EUGENE JR., US
[71] BEDGEAR, LLC, US
[85] 2020-01-14
[86] 2018-07-16 (PCT/US2018/042262)
[87] (WO2019/018275)
[30] US (62/533,920) 2017-07-18

[21] **3,069,954**
[13] A1
[51] **Int.Cl. C10G 3/00 (2006.01) C08H 7/00 (2011.01) C08L 97/00 (2006.01) C10G 1/00 (2006.01) C10G 1/06 (2006.01) C10G 47/00 (2006.01) C10G 49/00 (2006.01) C10G 69/06 (2006.01)**
[25] EN
[54] **LIGNIN TO LIQUID FUELS AND POLYOLS USING BIOMASS-DERIVED SOLVENTS**
[54] **LIGNINE POUR COMBUSTIBLES LIQUIDES ET POLYOLS UTILISANT DES SOLVANTS DERIVES DE BIOMASSE**
[72] CHAUHAN, SATYA P., US
[72] GARBARK, DANIEL B., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2020-01-14
[86] 2018-07-13 (PCT/US2018/042103)
[87] (WO2019/014602)
[30] US (62/532,801) 2017-07-14
[30] US (62/642,709) 2018-03-14

[21] **3,069,955**
[13] A1
[51] **Int.Cl. C12Q 1/22 (2006.01) C12M 1/12 (2006.01) G01N 27/22 (2006.01) G01N 33/497 (2006.01)**
[25] EN
[54] **PROCESS FOR DETERMINING VIABILITY OF TEST MICROORGANISMS OF BIOLOGICAL INDICATOR AND STERILIZATION DETECTION DEVICE FOR DETERMINING SAME**
[54] **PROCEDE PERMETTANT DE DETERMINER LA VIABILITE DE MICRO-ORGANISMES D'ESSAI D'INDICATEUR BIOLOGIQUE ET DISPOSITIF DE DETECTION DE STERILISATION PERMETTANT DE DETERMINER CELLE-CI**
[72] FRANCISKOVICH, PHILLIP P., US
[72] FIX, KATHLEEN A., US
[72] CENTANNI, MICHAEL A., US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2020-01-14
[86] 2018-07-11 (PCT/US2018/041594)
[87] (WO2019/014319)
[30] US (62/532,520) 2017-07-14
[30] US (15/699,240) 2017-09-08

[21] **3,069,956**
[13] A1
[51] **Int.Cl. B01D 39/02 (2006.01) B01D 39/04 (2006.01) B01D 39/06 (2006.01) B01J 20/16 (2006.01) B01J 20/18 (2006.01) C02F 1/28 (2006.01) C02F 1/52 (2006.01) C02F 1/56 (2006.01) C08B 37/08 (2006.01)**
[25] EN
[54] **BIOPOLYMERIC WATER TREATMENT**
[54] **TRAITEMENT BIOPOLYMERIQUE DE L'EAU**
[72] ERVIN, KEITH, US
[71] ERVIN, KEITH, US
[85] 2020-01-14
[86] 2018-07-12 (PCT/US2018/041843)
[87] (WO2019/014459)
[30] US (62/532,727) 2017-07-14

[21] **3,069,957**
[13] A1
[51] **Int.Cl. D04B 1/12 (2006.01) A47G 9/02 (2006.01)**
[25] EN
[54] **COOLING FABRIC AND ARTICLE OF BEDDING**
[54] **TISSU RAFRAICHISSANT ET ARTICLE DE LITERIE**
[72] ALETTO, JR., EUGENE, US
[71] BEDGEAR, LLC, US
[85] 2020-01-14
[86] 2018-07-12 (PCT/US2018/041845)
[87] (WO2019/014461)
[30] US (62/532,540) 2017-07-14

[21] **3,069,958**
[13] A1
[51] **Int.Cl. C10G 1/00 (2006.01) C10G 1/06 (2006.01) C10G 31/06 (2006.01) C10G 47/00 (2006.01) C10G 49/00 (2006.01) C10G 69/06 (2006.01)**
[25] EN
[54] **TRANSFER HYDROGENATION OF HEAVY HYDROCARBONS WITH HYDROGEN-DONOR SOLVENTS**
[54] **HYDROGENATION PAR TRANSFERT D'HYDROCARBURES LOURDS AVEC DES SOLVANTS DONNEURS D'HYDROGENE**
[72] CHAUHAN, SATYA P., US
[72] GARBARK, DANIEL B., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2020-01-14
[86] 2018-07-13 (PCT/US2018/042106)
[87] (WO2019/014604)
[30] US (62/532,801) 2017-07-14
[30] US (62/642,709) 2018-03-14

[21] **3,069,959**
[13] A1
[51] **Int.Cl. A47J 36/32 (2006.01) A47J 27/00 (2006.01) F24C 7/08 (2006.01)**
[25] EN
[54] **MULTICOOKER**
[54] **MULTICUISEUR**
[72] GILL, AARON MICHAEL, US
[72] PHILLIPS, MICHAEL PAUL, US
[72] FERGUSON, SAMUEL ANDREW SETON, US
[72] GOLINO, AMY LORRAINE, US
[72] SWANHART, MACKENZIE LEE, US
[71] SHARKNINJA OPERATING LLC, US
[85] 2020-01-14
[86] 2018-07-13 (PCT/US2018/041927)
[87] (WO2019/014512)
[30] US (62/532,687) 2017-07-14

[21] **3,069,960**
[13] A1
[51] **Int.Cl. G06Q 20/08 (2012.01) G06Q 20/32 (2012.01) G06Q 20/38 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR IMPROVED TRANSACTION PROCESSING AND ROUTING**
[54] **PROCEDE ET SYSTEME TRAITEMENT ET DE ROUTAGE AMELIORES DE TRANSACTIONS**
[72] MCLAUGHLIN, EDWARD GRUNDE, US
[72] HAYMOND, SHERRI GAYLE, US
[72] CLARK, RICHARD, US
[72] LORBERG, DANA J., US
[72] JANSSON, CARL D., US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2020-01-14
[86] 2018-07-13 (PCT/US2018/041931)
[87] (WO2019/018212)
[30] US (62/533,077) 2017-07-16

[21] **3,069,961**
[13] A1
[51] **Int.Cl. B60N 2/56 (2006.01)**
[25] EN
[54] **DUCT ATTACHMENT MOLDED WITHIN A FOAM PAD**
[54] **FIXATION DE CONDUIT ENFERMEE A L'INTERIEUR D'UN COUSSINET DE MOUSSE**
[72] STEPANOV, ARTUR, US
[72] CHAUVIN, RENE, CA
[72] COOK, MATTHEW, US
[71] MAGNA SEATING INC., CA
[85] 2020-01-14
[86] 2018-07-16 (PCT/US2018/042211)
[87] (WO2019/014660)
[30] US (62/532,548) 2017-07-14

[21] **3,069,962**
[13] A1
[51] **Int.Cl. H05B 33/08 (2020.01)**
[25] EN
[54] **CONFIGURATION FOR A LOAD REGULATION DEVICE FOR LIGHTING CONTROL**
[54] **CONFIGURATION DE DISPOSITIF DE REGULATION DE CHARGE POUR COMMANDE D'ECLAIRAGE**
[72] KNAUSS, MATTHEW, US
[72] UDALL, CHRISTOPHER, US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2020-01-14
[86] 2018-07-13 (PCT/US2018/042048)
[87] (WO2019/014570)
[30] US (62/532,753) 2017-07-14

[21] **3,069,963**
[13] A1
[51] **Int.Cl. B60C 23/00 (2006.01) B60C 23/02 (2006.01) B60C 23/10 (2006.01) B60C 23/16 (2006.01) B60C 29/06 (2006.01)**
[25] EN
[54] **ELECTRONIC CONTROL MODULE FOR A TIRE INFLATION SYSTEM**
[54] **MODULE DE COMMANDE ELECTRONIQUE POUR UN SYSTEME DE GONFLAGE DE PNEU**
[72] HENRY, DANE, US
[71] EQUALAIRE SYSTEMS, INC., US
[85] 2020-01-14
[86] 2018-07-13 (PCT/US2018/042167)
[87] (WO2019/014640)
[30] US (62/532,565) 2017-07-14
[30] US (62/668,604) 2018-05-08

[21] **3,069,964**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01)**
[25] EN
[54] **SPECTRAL RESPONSE SYNTHESIS ON TRACE DATA**
[54] **SYNTHESE DE REPONSE SPECTRALE SUR DES DONNEES DE TRACE**
[72] HUMPHREY, PATRICK G., US
[71] LI-COR, INC., US
[85] 2020-01-14
[86] 2018-07-17 (PCT/US2018/042484)
[87] (WO2019/018393)
[30] US (62/533,430) 2017-07-17
[30] US (15/914,737) 2018-03-07

[21] **3,069,965**
[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/16 (2006.01) B32B 27/18 (2006.01) B32B 27/20 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01)**
[25] EN
[54] **HIGH BARRIER ORIENTED FILMS**
[54] **FILMS ORIENTES AYANT DES PROPRIETES ELEVEES DE BARRIERE**
[72] SARGEANT, STEVEN, US
[72] PARASHAR, RAJEEV, IN
[72] SARGAIYAN, DINESH, IN
[72] NAIK, SUDHIR, IN
[72] SHARMA, J.K., IN
[72] SRIVASTAVA, AARUSHI, IN
[72] SHARMA, KRISHNA KANT, US
[71] FLEX FILMS (USA), INC., US
[85] 2020-01-14
[86] 2018-07-16 (PCT/US2018/042311)
[87] (WO2019/014678)
[30] US (62/532,472) 2017-07-14

[21] **3,069,966**
[13] A1
[51] **Int.Cl. G05F 1/10 (2006.01) H02M 5/10 (2006.01) H02M 7/162 (2006.01)**
[25] EN
[54] **VOLTAGE REGULATED AC POWER SUPPLY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'ALIMENTATION EN COURANT ALTERNATIF A REGULATION DE TENSION**
[72] LE, THANH, US
[71] ALPHA TECHNOLOGIES INC., US
[85] 2020-01-14
[86] 2018-07-16 (PCT/US2018/042339)
[87] (WO2019/014682)
[30] US (62/532,896) 2017-07-14

[21] **3,069,967**
[13] A1
[51] **Int.Cl. A23L 3/01 (2006.01) A23L 33/00 (2016.01) A23L 33/10 (2016.01) A61K 39/35 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **METHODS FOR MAKING MIXED ALLERGEN COMPOSITIONS**
[54] **PROCEDES DE FABRICATION DE COMPOSITIONS D'ALLERGENES MIXTES**
[72] DOMBKOWSKI, ASHLEY, US
[72] CORNYN, CHRISTOPHER, US
[72] ROSEVEAR, ALBERT E., JR., US
[72] WEIHE, OLIVIA M., US
[72] BELICIU, COSMIN M., US
[72] RUSSELL, ALEXANDRA F., US
[72] DE SENNA, ANTOINETTE, US
[71] BEFORE BRANDS, INC., US
[85] 2020-01-14
[86] 2018-07-18 (PCT/US2018/042696)
[87] (WO2019/018529)
[30] US (62/533,826) 2017-07-18
[30] US (62/551,395) 2017-08-29

[21] **3,069,968**
[13] A1
[51] **Int.Cl. A61K 6/00 (2020.01) A61L 27/38 (2006.01) A61L 27/52 (2006.01)**
[25] EN
[54] **WATER-SOLUBLE HYDROGEL-BASED DENTAL COMPOSITION AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSITION DENTAIRE A BASE D'HYDROGEL HYDROSOLUBLE ET SES PROCEDES DE FABRICATION ET D'UTILISATION**
[72] JHA, AMIT, US
[72] SIMONTON, THOMAS C., US
[71] DENTSPLY SIRONA INC., US
[85] 2020-01-14
[86] 2018-07-19 (PCT/US2018/042916)
[87] (WO2019/018664)
[30] US (62/534,288) 2017-07-19
[30] US (62/583,093) 2017-11-08

[21] **3,069,970**
[13] A1
[51] **Int.Cl. C10M 161/00 (2006.01)**
[25] EN
[54] **LOW DISPERSANT LUBRICANT COMPOSITION**
[54] **COMPOSITION LUBRIFIANTE A FAIBLE TENEUR EN AGENT DISPERSANT**
[72] JONES, JOANNE L., GB
[72] ZHANG, YANSHI, US
[71] THE LUBRIZOL CORPORATION, US
[85] 2020-01-14
[86] 2018-07-17 (PCT/US2018/042372)
[87] (WO2019/018329)
[30] US (62/533,306) 2017-07-17

[21] **3,069,971**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **EFFICIENT SSL/TLS PROXY**
[54] **SERVEUR MANDATAIRE SSL/TLS EFFICACE**
[72] MOORE, SEAN, US
[71] CENTRIPETAL NETWORKS, INC., US
[85] 2020-01-14
[86] 2018-07-24 (PCT/US2018/043367)
[87] (WO2019/023160)
[30] US (62/536,254) 2017-07-24
[30] US (16/039,896) 2018-07-19

[21] **3,069,972**
[13] A1
[51] **Int.Cl. H01M 4/38 (2006.01) H01M 4/583 (2010.01) H01M 10/0567 (2010.01)**
[25] EN
[54] **MODIFIED IONIC LIQUIDS CONTAINING TRIAZINE**
[54] **LIQUIDES IONIQUES MODIFIES CONTENANT DE LA TRIAZINE**
[72] MOGANTY, SURYA S., US
[72] ABBATE, LUIGI, US
[72] TORRES, GABRIEL, US
[72] SINICROPI, JOHN, US
[72] BROWN, KEVIN, US
[72] WU, YUE, US
[71] NOHMS TECHNOLOGIES, INC., US
[85] 2020-01-14
[86] 2018-07-17 (PCT/US2018/042514)
[87] (WO2019/018413)
[30] US (62/533,410) 2017-07-17

[21] **3,069,973**
[13] A1
[51] **Int.Cl. H01M 4/38 (2006.01) H01M 4/583 (2010.01) H01M 10/0567 (2010.01)**
[25] EN
[54] **PHOSPHORUS CONTAINING ELECTROLYTES**
[54] **ELECTROLYTES CONTENANT DU PHOSPHORE**
[72] MOGANTY, SURYA S., US
[72] TORRES, GABRIEL, US
[72] SINICROPI, JOHN, US
[72] ABBATE, LUIGI, US
[72] RAGHUNATHAN, ADITYA, US
[72] WU, YUE, US
[71] NOHMS TECHNOLOGIES, INC., US
[85] 2020-01-14
[86] 2018-07-17 (PCT/US2018/042543)
[87] (WO2019/018432)
[30] US (62/533,277) 2017-07-17

[21] **3,069,974**
[13] A1
[51] **Int.Cl. G01N 21/64 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **OPTICAL REJECTION PHOTONIC STRUCTURES**
[54] **STRUCTURES PHOTONIQUES A REJET OPTIQUE**
[72] ROTHBERG, JONATHAN M., US
[72] SCHMID, GERARD, US
[72] GONDARENKO, ALEXANDER, US
[72] BEACH, JAMES, US
[72] PRESTON, KYLE, US
[72] GHASEMI, FARSHID, US
[72] LACKEY, JEREMY, US
[72] JEWELL, JACK, US
[72] FIFE, KEITH G., US
[72] KABIRI, ALI, US
[71] QUANTUM-SI INCORPORATED, US
[85] 2020-01-14
[86] 2018-07-23 (PCT/US2018/043333)
[87] (WO2019/023146)
[30] US (62/536,268) 2017-07-24

[21] **3,069,975**
[13] A1
[51] **Int.Cl. H01M 4/38 (2006.01) H01M 4/583 (2010.01) H01M 10/0567 (2010.01)**
[25] EN
[54] **MODIFIED TRIAZINE FUNCTIONAL COMPOUNDS**
[54] **COMPOSES FONCTIONNELS TRIAZINES MODIFIES**
[72] MOGANTY, SURYA S., US
[72] ABBATE, LUIGI, US
[72] SINICROPI, JOHN, US
[72] TORRES, GABRIEL, US
[72] BROWN, KEVIN, US
[72] WU, YUE, US
[71] NOHMS TECHNOLOGIES, INC., US
[85] 2020-01-14
[86] 2018-07-17 (PCT/US2018/042548)
[87] (WO2019/018435)
[30] US (62/533,270) 2017-07-17

[21] **3,069,978**
[13] A1
[51] **Int.Cl. B21B 1/22 (2006.01) B21B 37/58 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING SURFACE TEXTURING OF A METAL SUBSTRATE WITH LOW PRESSURE ROLLING**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UNE TEXTURATION DE SURFACE D'UN SUBSTRAT METALLIQUE AVEC UN LAMINAGE A BASSE PRESSION**
[72] SHAFIEI, MEHDI, US
[72] HOBBIS, ANDREW JAMES, CA
[72] GAENSBAUER, DAVID ANTHONY, US
[72] GEHO, JEFFREY EDWARD, US
[72] MICK, STEVEN L., US
[71] NOVELIS INC., US
[85] 2020-01-14
[86] 2018-07-20 (PCT/US2018/043047)
[87] (WO2019/018740)
[30] US (62/535,345) 2017-07-21
[30] US (62/535,341) 2017-07-21
[30] US (62/535,349) 2017-07-21
[30] US (62/551,296) 2017-08-29
[30] US (62/551,292) 2017-08-29
[30] US (62/551,298) 2017-08-29

[21] **3,069,980**
[13] A1
[51] **Int.Cl. A61K 35/19 (2015.01) A61M 1/02 (2006.01) B01D 21/26 (2006.01)**
[25] EN
[54] **METHODS OF PREPARING LIQUID EXCHANGED BIOLOGICAL FRACTIONS, AND DEVICES FOR USE IN PRACTICING THE SAME**
[54] **PROCEDES DE PREPARATION DE FRACTIONS BIOLOGIQUES SOUMISES A UN ECHANGE EN PHASE LIQUIDE ET DISPOSITIFS DESTINES A ETRE UTILISES DANS LA MISE EN □UVRE DE CEUX-CI**
[72] CHAPMAN, JOHN RAYMOND, US
[72] SPARKS, RODNEY D., US
[71] ARTERIOCYTE MEDICAL SYSTEMS, INC., US
[85] 2020-01-14
[86] 2018-07-20 (PCT/US2018/043172)
[87] (WO2019/023077)
[30] US (62/536,359) 2017-07-24

[21] **3,069,981**
[13] A1
[51] **Int.Cl. B21B 1/22 (2006.01) B21B 37/30 (2006.01) B21B 37/58 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING FLATNESS OF A METAL SUBSTRATE WITH LOW PRESSURE ROLLING**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE LA PLANEITE D'UN SUBSTRAT METALLIQUE A L'AIDE D'UN LAMINAGE A BASSE PRESSION**
[72] SHAFIEI, MEHDI, US
[72] GAENSBAUER, DAVID ANTHONY, US
[72] GEHO, JEFFREY EDWARD, US
[72] HOBBIS, ANDREW JAMES, CA
[72] MICK, STEVEN L., US
[71] NOVELIS INC., US
[85] 2020-01-14
[86] 2018-07-20 (PCT/US2018/043049)
[87] (WO2019/018742)
[30] US (62/535,349) 2017-07-21
[30] US (62/535,345) 2017-07-21
[30] US (62/535,341) 2017-07-21
[30] US (62/551,298) 2017-08-29
[30] US (62/551,296) 2017-08-29
[30] US (62/551,292) 2017-08-29

[21] **3,069,983**
[13] A1
[51] **Int.Cl. G01N 21/62 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **HAND-HELD, MASSIVELY-PARALLEL, BIO-OPTOELECTRONIC INSTRUMENT**
[54] **INSTRUMENT BIO-OPTOELECTRONIQUE MASSIVEMENT PARALLELE TENU A LA MAIN**
[72] ROTHBERG, JONATHAN M., US
[72] CIPRIANY, BENJAMIN, US
[72] REARICK, TODD, US
[72] GLENN, PAUL E., US
[72] AHMAD, FAISAL R., US
[72] ROSWECH, TODD, US
[72] LATHROP, BRITTANY, US
[72] CONNOLLY, THOMAS, US
[71] QUANTUM-SI INCORPORATED, US
[85] 2020-01-14
[86] 2018-07-24 (PCT/US2018/043390)
[87] (WO2019/023174)
[30] US (62/536,330) 2017-07-24

[21] **3,069,985**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 21/64 (2006.01) G01N 21/76 (2006.01)**
[25] EN
[54] **HIGH INTENSITY LABELED REACTANT COMPOSITIONS AND METHODS FOR SEQUENCING**
[54] **COMPOSITIONS DE REACTIFS MARQUES A HAUTE INTENSITE ET METHODES DE SEQUENCAGE**
[72] ROTHBERG, JONATHAN M., US
[72] LACKEY, JEREMY, US
[72] REED, BRIAN, US
[72] SHI, XINGHUA, US
[72] HUANG, HAIDONG, US
[72] DODD, DAVID, US
[71] QUANTUM-SI INCORPORATED, US
[85] 2020-01-14
[86] 2018-07-24 (PCT/US2018/043526)
[87] (WO2019/023257)
[30] US (62/536,426) 2017-07-24

[21] **3,069,987**
[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING AND RESPONDING TO TRANSACTION PATTERNS**
[54] **SYSTEME ET PROCEDE DE DETECTION DE MODELES DE TRANSACTION ET DE REPONSE A CES DERNIERS**
[72] SOUFIANI, HOSSEIN AZARI, US
[72] DELL, ADAM, US
[72] JACOBS, MATT, US
[72] SRIVASTAVA, VISHAL, US
[71] CLARITY MONEY, INC., US
[85] 2020-01-14
[86] 2018-07-25 (PCT/US2018/043792)
[87] (WO2019/023406)
[30] US (15/659,081) 2017-07-25

[21] **3,069,989**
[13] A1
[51] **Int.Cl. A61K 31/55 (2006.01) A61K 9/00 (2006.01) A61P 1/14 (2006.01)**
[25] EN
[54] **METHODS OF TREATING SYMPTOMS OF GASTROPARESIS USING VELUSETRAG**
[54] **METHODES DE TRAITEMENT DE SYMPTOMES DE GASTROPARESIE AU MOYEN DE VELUSETRAG**
[72] BARNES, CHRISTOPHER NOEL, US
[72] VISCOMI, GIUSEPPE CLAUDIO, IT
[72] RENZULLI, CECILIA, IT
[72] GRIMALDI, MARIA, IT
[71] THERAVANCE BIOPHARMA R&D IP, LLC, US
[71] ALFASIGMA S.P.A., IT
[85] 2020-01-14
[86] 2018-07-30 (PCT/US2018/044337)
[87] (WO2019/027881)
[30] US (62/539,229) 2017-07-31

[21] **3,069,991**
[13] A1
[51] **Int.Cl. A61F 2/02 (2006.01) A61F 2/07 (2013.01) A61F 2/844 (2013.01) A61F 2/24 (2006.01) A61F 2/82 (2013.01)**
[25] EN
[54] **INTRALUMINAL SUPPORT STRUCTURE AND PROSTHETIC VALVE FROM THE SAME**
[54] **STRUCTURE DE SUPPORT INTRALUMINALE ET VALVE PROTHETIQUE OBTENUE A PARTIR DE CELLE-CI**
[72] CARMI, DORON, IL
[72] BERGER, EITAN, IL
[71] OPEN STENT SOLUTION, FR
[85] 2019-12-28
[86] 2018-06-26 (PCT/IL2018/050698)
[87] (WO2019/003221)
[30] US (62/526,693) 2017-06-29

[21] **3,069,993**
[13] A1
[51] **Int.Cl. C12N 5/00 (2006.01)**
[25] EN
[54] **CELL CULTURING MATERIALS**
[54] **MATERIAUX DE CULTURES CELLULAIRES**
[72] BECKERS, LUCAS JOHANNES ANNA MARIA, NL
[72] KRIEGE, JAN CORNELIS, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2020-01-15
[86] 2018-07-06 (PCT/EP2018/068318)
[87] (WO2019/015988)
[30] EP (17181788.5) 2017-07-18

[21] **3,069,995**
[13] A1
[51] **Int.Cl. B60R 16/023 (2006.01) G05B 19/042 (2006.01) H04L 12/40 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **CONFIGURABLE MANAGEMENT SYSTEM FOR A VEHICLE AND METHOD OF USE**
[54] **SYSTEME DE GESTION CONFIGURABLE POUR UN VEHICULE ET PROCEDE D'UTILISATION**
[72] DESCHENES, ERIC, CA
[71] LES SYSTEMES CYBERKAR, CA
[85] 2020-01-15
[86] 2018-07-05 (PCT/CA2018/050820)
[87] (WO2019/014754)
[30] US (62/535,086) 2017-07-20

[21] **3,069,997**
[13] A1
[51] **Int.Cl. H05B 45/30 (2020.01) H05B 47/155 (2020.01)**
[25] EN
[54] **LIGHTING APPARATUS, DRIVING CIRCUIT AND DRIVING METHOD THEREROF**
[54] **APPAREIL D'ECLAIRAGE, CIRCUIT D'ATTAQUE ET PROCEDE D'ATTAQUE CORRESPONDANT**
[72] XING, DONG, CN
[72] ZHOU, XIN, CN
[72] SHI, CHARLES, CN
[72] ZHANG, JIYONG, CN
[72] WANG, FANBIN, CN
[71] GENERAL ELECTRIC COMPANY, US
[85] 2020-01-15
[86] 2017-08-15 (PCT/CN2017/097503)
[87] (WO2019/033265)

[21] **3,069,998**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) C12N 15/113 (2010.01) A61K 39/395 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **TARGETING SYNAPTOGYRIN-3 IN TAUOPATHY TREATMENT**
[54] **CIBLAGE DE LA SYNAPTOGYRINE-3 DANS LE TRAITEMENT DE TAUOPATHIE**
[72] VERSTREKEN, PATRIK, BE
[72] MCINNES, JOSEPH, BE
[72] ZHOU, LUJIA, BE
[71] VIB VZW, BE
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, K.U. LEUVEN R&D, BE
[85] 2020-01-15
[86] 2018-07-16 (PCT/EP2018/069228)
[87] (WO2019/016123)
[30] EP (17181659.8) 2017-07-17

[21] **3,069,999**
[13] A1
[51] **Int.Cl. A61K 8/891 (2006.01) A61K 8/34 (2006.01) A61K 8/81 (2006.01) A61M 35/00 (2006.01) A61M 37/00 (2006.01) A61N 2/02 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **SKIN CARE PRODUCTS**
[54] **PRODUITS DE SOINS DE LA PEAU**
[72] LU, HAO, SG
[72] XU, ZILONG, SG
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-15
[86] 2017-08-18 (PCT/CN2017/097959)
[87] (WO2019/033376)

[21] **3,070,000**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **USER MULTIPLEXING FOR UPLINK CONTROL INFORMATION**
[54] **MULTIPLEXAGE D'UTILISATEUR POUR INFORMATIONS DE COMMANDE DE LIAISON MONTANTE**
[72] PARK, SEYONG, US
[72] HUANG, YI, US
[72] WANG, RENQIU, US
[72] AKKARAKARAN, SONY, US
[72] GAAL, PETER, US
[72] LUO, TAO, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-01-14
[86] 2018-08-22 (PCT/US2018/047593)
[87] (WO2019/040660)
[30] US (62/549,414) 2017-08-23
[30] US (16/107,783) 2018-08-21

[21] **3,070,001**
[13] A1
[51] **Int.Cl. A23K 20/105 (2016.01) A23K 20/20 (2016.01) A23K 50/30 (2016.01) A23K 50/60 (2016.01) A23K 50/75 (2016.01)**
[25] EN
[54] **TRACE MINERAL COMPOSITION**
[54] **COMPOSITION D'OLIGO-ELEMENTS**
[72] FRY, SCOTT, US
[72] USHRY, JAMES, US
[72] LEISURE, NICK, US
[72] HUANG, MINGSHENG, US
[72] STEWARD, FRED, US
[71] NUTRECO IP ASSETS B.V., NL
[85] 2020-01-15
[86] 2018-07-18 (PCT/EP2018/069546)
[87] (WO2019/016284)
[30] US (62/534,835) 2017-07-20
[30] EP (17191156.3) 2017-09-14

[21] **3,070,002**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04W 52/04 (2009.01)**
[25] EN
[54] **POWER SHARING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE PARTAGE DE PUISSANCE**
[72] XU, HANQING, CN
[72] ZHAO, YAJUN, CN
[72] LI, XINCAI, CN
[72] YANG, LING, CN
[72] LIU, JUAN, CN
[71] ZTE CORPORATION, CN
[85] 2020-01-15
[86] 2018-06-15 (PCT/CN2018/091655)
[87] (WO2018/228564)
[30] CN (201710459676.0) 2017-06-16

[21] **3,070,003**
[13] A1
[51] **Int.Cl. C22F 1/047 (2006.01) B21B 3/00 (2006.01) B22D 11/00 (2006.01) C22C 21/08 (2006.01) C22F 1/053 (2006.01)**
[25] EN
[54] **7XXX SERIES ALUMINUM ALLOY PRODUCTS IN A STABILIZED T4 TEMPER AND METHODS OF MAKING THE SAME**
[54] **PRODUITS EN ALLIAGE D'ALUMINIUM DE SERIE 7XXX DANS UN ETAT DE REVENU T4 STABILISE ET LEURS PROCEDES DE FABRICATION**
[72] TALLA, RAJASEKHAR, US
[72] KAMAT, RAJEEV G., US
[72] LEYVRAZ, DAVID, CH
[72] WAGSTAFF, SAMUEL ROBERT, US
[72] CLERC, STEVE, CH
[71] NOVELIS INC., CA
[85] 2020-01-14
[86] 2018-08-28 (PCT/US2018/048305)
[87] (WO2019/046275)
[30] US (62/551,497) 2017-08-29

[21] **3,070,004**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 1/16 (2006.01) A61P 31/16 (2006.01) A61P 31/18 (2006.01) A61P 31/20 (2006.01) A61P 31/22 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **PIPERAZINE HETEROARYL DERIVATIVE, PREPARATION METHOD THEREFOR AND USE OF SAME IN MEDICINE**
[54] **DERIVE DE PIPERAZINE HETEROARYLE, SON PROCEDE DE PREPARATION ET SON UTILISATION EN MEDECINE**
[72] LI, XIN, CN
[72] HE, WEI, CN
[72] CHEN, YANG, CN
[72] HE, FENG, CN
[72] TAO, WEIKANG, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD, CN
[85] 2020-01-15
[86] 2018-07-26 (PCT/CN2018/097170)
[87] (WO2019/020070)
[30] CN (201710621744.9) 2017-07-27
[30] CN (201711058986.8) 2017-11-01

[21] **3,070,006**
[13] A1
[51] **Int.Cl. G06F 12/0864 (2016.01) G06F 12/0868 (2016.01)**
[25] EN
[54] **METHOD FOR READING DATA STORED IN A NON-VOLATILE CACHE USING RDMA**
[54] **PROCEDE DE LECTURE DE DONNEES MEMORISEES DANS UNE MEMOIRE CACHE NON VOLATILE A L'AIDE D'UN RDMA**
[72] TAO, ZUOYO, US
[72] SHI, JIA, US
[72] UMAMAGESWARAN, KOTHANDA, US
[72] LOAIZA, JUAN R., US
[71] ORACLE INTERNATIONAL CORPORATION, US
[85] 2020-01-14
[86] 2018-09-28 (PCT/US2018/053487)
[87] (WO2019/067937)
[30] US (15/720,972) 2017-09-29

[21] **3,070,007**
[13] A1
[51] **Int.Cl. A61M 5/165 (2006.01)**
[25] EN
[54] **FILTER DEVICE AND FILTERING INFUSION CONTAINER COMPRISING SAME**
[54] **DISPOSITIF DE FILTRATION ET RECIPIENT DE PERFUSION A FILTRATION LE COMPRENANT**
[72] MAO, CHUNYUAN, CN
[72] MAO, YALING, CN
[71] GEMTIER MEDICAL (JIANGSU) INC., CN
[85] 2020-01-15
[86] 2018-07-12 (PCT/CN2018/095363)
[87] (WO2019/015523)
[30] CN (201720896157.6) 2017-07-20
[30] CN (201710595779.X) 2017-07-20

[21] **3,070,008**
[13] A1
[51] **Int.Cl. H04W 72/00 (2009.01)**
[25] EN
[54] **UPLINK CONTROL CHANNEL RESOURCE DETERMINATION METHOD, TERMINAL, AND NETWORK SIDE DEVICE**
[54] **PROCEDE DE DETERMINATION DE RESSOURCES DE CANAL DE COMMANDE DE LIAISON MONTANTE, TERMINAL ET DISPOSITIF COTE RESEAU**
[72] LIN, YANAN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-01-15
[86] 2018-11-07 (PCT/CN2018/114345)
[87] (WO2019/091398)
[30] CN (PCT/CN2017/110255) 2017-11-09

[21] **3,070,009**
[13] A1
[51] **Int.Cl. G06F 13/28 (2006.01)**
[25] EN
[54] **DATABASE WITH NVDIMM AS PERSISTENT STORAGE**
[54] **BASE DE DONNEES COMPRENANT UNE NVDIMM EN TANT QUE MEMORISATION PERSISTANTE**
[72] SHI, JIA, US
[72] YILIANG, JIN, US
[72] ZHANG, ZHEREN R., US
[72] TAO, ZUOYU, US
[72] SRIDHARAN, VIJAY, US
[72] UMAMAGESWARAN, KOTHANDA, US
[72] IVEY, GRAHAM, US
[72] LI, YUNRUI, US
[72] CHOUDHURY, NILESH, US
[72] MEIYYAPPAN, KRISHNAN, US
[72] ZHANG, KAI, US
[72] USTIMENKO, SEMEN, US
[72] KOWSALYA, SALINI SELVARAJ, US
[72] SARDASHTI, SOMAYEH, US
[71] ORACLE INTERNATIONAL CORPORATION, US
[85] 2020-01-14
[86] 2018-09-28 (PCT/US2018/053557)
[87] (WO2019/067990)
[30] US (15/720,949) 2017-09-29

[21] **3,070,011**
[13] A1
[51] **Int.Cl. G06F 21/30 (2013.01) G06Q 10/10 (2012.01)**
[25] EN
[54] **METHOD FOR AUTHORIZING FORM DATA OPERATION AUTHORITY**
[54] **PROCEDE D'AUTORISATION D'UNE AUTORITE D'EXPLOITATION DE DONNEES DE FORMULAIRE**
[72] CHEN, DAZHI, CN
[71] CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2020-01-15
[86] 2018-07-13 (PCT/CN2018/095700)
[87] (WO2019/015539)
[30] CN (201710578153.8) 2017-07-16

[21] **3,070,012**
[13] A1
[51] **Int.Cl. A61M 1/12 (2006.01)**
[25] EN
[54] **INTRACARDIAC PUMP**
[54] **POMPE INTRACARDIAQUE**
[72] DOUGLAS, ROBERT E., US
[72] DOUGLAS, KATHLEEN M., US
[71] DOUGLAS, ROBERT E., US
[71] DOUGLAS, KATHLEEN M., US
[85] 2020-01-14
[86] 2019-06-13 (PCT/US2019/036904)
[87] (WO2020/005551)
[30] US (62/689,861) 2018-06-26

[21] **3,070,014**
[13] A1
[51] **Int.Cl. B21B 27/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COOLING A ROLL IN METAL PROCESSING**
[54] **SYSTEMES ET PROCEDES POUR LE REFROIDISSEMENT D'UN ROULEAU DANS UN TRAITEMENT DE METAL**
[72] GANTZER, DAVID EDWARD, US
[72] STANISTREET, TIMOTHY F., US
[72] MALLORY, ROBERT WILLIAM, US
[72] XAVIER, RENATO RUFINO, US
[72] RIGGS, JAMES CHARLES, US
[72] SU, FRANK, US
[72] WRIGHT, DAVID SKINGLEY, DE
[71] NOVELIS INC., US
[85] 2020-01-14
[86] 2019-06-13 (PCT/US2019/037041)
[87] (WO2019/241551)
[30] US (62/684,443) 2018-06-13

[21] **3,070,016**
[13] A1
[51] **Int.Cl. A61K 38/20 (2006.01) A61K 9/19 (2006.01) A61P 1/00 (2006.01) A61P 7/00 (2006.01) A61P 17/00 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **IL-15 PROTEIN COMPLEX PHARMACEUTICAL COMPOSITION AND USES THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE A BASE D'UN COMPLEXE PROTEIQUE D'IL-15 ET UTILISATIONS CORRESPONDANTES**
[72] WU, TINGTING, CN
[72] LI, HAO, CN
[72] LIU, XUN, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[85] 2020-01-15
[86] 2018-07-24 (PCT/CN2018/096775)
[87] (WO2019/019998)
[30] CN (201710611317.2) 2017-07-25

[21] **3,070,017**
[13] A1
[51] **Int.Cl. B65D 47/06 (2006.01) B65D 47/26 (2006.01) B65D 47/30 (2006.01) B65D 51/24 (2006.01)**
[25] EN
[54] **DRINKING DEVICE**
[54] **DISPOSITIF A BOIRE**
[72] JAGER, TIM, DE
[72] JUNGST, MAGDALENA, DE
[72] KOPPITZ, JANNIS, DE
[72] SCHLANG, FABIAN, DE
[71] TEN-ACE GMBH, DE
[85] 2020-01-15
[86] 2018-07-13 (PCT/EP2018/069108)
[87] (WO2019/016096)
[30] DE (10 2017 212 472.5) 2017-07-20
[30] DE (10 2017 009 718.6) 2017-10-18
[30] DE (10 2018 003 669.4) 2018-05-05

[21] **3,070,019**
[13] A1
[51] **Int.Cl. B27N 7/00 (2006.01) B05C 19/04 (2006.01) B27N 3/06 (2006.01) B27N 3/14 (2006.01) B27N 3/18 (2006.01) B07B 13/16 (2006.01) B27N 3/08 (2006.01) B65G 69/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A WOODEN COMPOSITE MATERIAL BOARD, IN PARTICULAR AN MDF OR HDF BOARD**
[54] **PROCEDE DE FABRICATION D'UNE PLAQUE EN MATERIAU DERIVE DU BOIS, EN PARTICULIER D'UNE PLAQUE MDF OU HDF**
[72] KALWA, NORBERT, DE
[72] SIEBERT, AXEL, DE
[71] SWISS KRONO TEC AG, CH
[85] 2020-01-15
[86] 2018-07-12 (PCT/EP2018/069010)
[87] (WO2019/016083)
[30] EP (17182396.6) 2017-07-20

[21] **3,070,020**
[13] A1
[51] **Int.Cl. G01N 21/35 (2014.01) G01N 21/3577 (2014.01) G01N 21/17 (2006.01) G01N 21/45 (2006.01)**
[25] EN
[54] **METHOD FOR SPECTROSCOPICALLY OR SPECTROMETRICALLY EXAMINING A SAMPLE, AND INTERFEROMETRIC DEVICE**
[54] **PROCEDE D'EXAMEN SPECTROSCOPIQUE ET/OU SPECTROMETRIQUE D'UN ECHANTILLON ET DISPOSITIF INTERFEROMETRIQUE**
[72] LENDL, BERNHARD, AT
[72] HAYDEN, JAKOB, AT
[72] BAUMGARTNER, BETTINA, AT
[72] KRISTAMENT, CHRISTIAN, AT
[71] TECHNISCHE UNIVERSITAT WIEN, AT
[85] 2020-01-15
[86] 2018-07-26 (PCT/AT2018/060164)
[87] (WO2019/018870)
[30] AT (A 50623/2017) 2017-07-26

[21] **3,070,021**
[13] A1
[51] **Int.Cl. C07B 37/04 (2006.01) C07C 41/30 (2006.01) C07C 43/17 (2006.01) C07C 43/225 (2006.01) C07C 45/68 (2006.01) C07D 207/33 (2006.01) C07D 213/26 (2006.01) C07D 231/12 (2006.01) C07D 233/64 (2006.01) C07D 241/10 (2006.01) C07D 333/12 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARATION OF ALKYLATED OR FLUORO, CHLORO AND FLUOROCHLORO ALKYLATED COMPOUNDS BY HETEROGENEOUS COBALT CATALYSIS**
[54] **PROCEDE DE PREPARATION DE COMPOSES ALKYLES OU FLUORO, CHLORO ET FLUOROCHLORO ALKYLES PAR CATALYSE HETEROGENE DE COBALT**
[72] TAESCHLER, CHRISTOPH, CH
[72] ZARAGOZA DOERWALD, FLORENCIO, CH
[72] ELLINGER, STEFAN, CH
[72] BELLER, MATTHIAS, DE
[72] NEUMANN, HELFRIED, DE
[72] WENIGER, FLORIAN, DE
[71] LONZA LTD, CH
[85] 2020-01-15
[86] 2018-07-26 (PCT/EP2018/070242)
[87] (WO2019/020726)
[30] EP (17020321.0) 2017-07-28
[30] US (62/540656) 2017-08-03
[30] EP (18173211.6) 2018-05-18
[30] EP (18179739.0) 2018-06-26

[21] **3,070,022**
[13] A1
[51] **Int.Cl. A47L 13/58 (2006.01)**
[25] EN
[54] **CLEANING APPARATUS FOR DOMESTIC USE**
[54] **APPAREIL DE NETTOYAGE POUR USAGE DOMESTIQUE**
[72] MARINI, GIANLUCA, IT
[71] MARINI, GIANLUCA, IT
[85] 2020-01-15
[86] 2018-07-16 (PCT/EP2018/069310)
[87] (WO2019/016159)
[30] IT (102017000083641) 2017-07-21

[21] **3,070,023**
[13] A1
[51] **Int.Cl. F21V 8/00 (2006.01) G02B 1/18 (2015.01) B08B 7/00 (2006.01)**
[25] EN
[54] **LIGHT GUIDES WITH COATING FOR USE IN WATER**
[54] **GUIDES DE LUMIERE DOTES D'UN REVETEMENT DESTINES A ETRE UTILISES DANS L'EAU**
[72] DE WIJS, WILLEM-JAN AREND, NL
[72] VISSER, CORNELIS GERARDUS, NL
[72] VAN LIEROP, MICHAEL MARIA JOHANNES, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2020-01-15
[86] 2018-07-18 (PCT/EP2018/069564)
[87] (WO2019/016291)
[30] EP (17181832.1) 2017-07-18

[21] **3,070,024**
[13] A1
[51] **Int.Cl. A61F 5/56 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **A SYSTEM FOR AIDING EARLY DETECTION AND MANAGEMENT OF BREATHING RELATED DISORDERS**
[54] **SYSTEME D'AIDE A LA DETECTION ET A LA PRISE EN CHARGE PRECOCES DE TROUBLES ASSOCIES A LA RESPIRATION**
[72] GIANNOUKOS, JOHN, AU
[72] KORFIATIS, ARTHUR, AU
[71] HEALTH APPS PTY LTD, AU
[85] 2020-01-15
[86] 2018-07-17 (PCT/AU2018/050751)
[87] (WO2019/014715)
[30] AU (2017902791) 2017-07-17

[21] **3,070,025**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **IMPROVED METHOD AND KIT FOR THE GENERATION OF DNA LIBRARIES FOR MASSIVELY PARALLEL SEQUENCING**
[54] **METHODE AMELIOREE ET KIT POUR LA GENERATION DE BIBLIOTHEQUE D'ADN POUR LE SEQUENCAGE MASSIVEMENT PARALLELE**
[72] DEL MONACO, VALENTINA, IT
[72] MANARESI, NICOLO, IT
[72] BUSON, GENNY, IT
[72] TONONI, PAOLA, IT
[71] MENARINI SILICON BIOSYSTEMS S.P.A., IT
[85] 2020-01-15
[86] 2018-07-20 (PCT/EP2018/069845)
[87] (WO2019/016401)
[30] EP (17182693.6) 2017-07-21

[21] **3,070,026**
[13] A1
[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **DENTAL IMPLANT**
[54] **IMPLANT DENTAIRE**
[72] THOME, GENINHO, BR
[72] MERTIN, FELIX ANDREAS, BR
[72] CALIXTO SALATTI, RAFAEL, BR
[71] JJGC INDUSTRIA E COMERCIO DE MATERIAIS DENTARIOS S.A., BR
[85] 2020-01-15
[86] 2017-08-16 (PCT/BR2017/050231)
[87] (WO2019/014736)
[30] BR (BR102017015490-4) 2017-07-19

[21] **3,070,028**
[13] A1
[51] **Int.Cl. C04B 28/26 (2006.01) C09K 8/57 (2006.01) E21B 43/02 (2006.01)**
[25] FR
[54] **METHOD FOR TREATING A ROCK FORMATION AGAINST THE INFILTRATION OF SAND USING A GEOPOLYMER CEMENT GROUT**
[54] **PROCEDE DE TRAITEMENT D'UNE FORMATION ROCHEUSE CONTRE LES VENUES DE SABLE UTILISANT UN COULIS DE CIMENT GEOPOLYMERIQUE**
[72] EGERMANN, PATRICK, FR
[72] MARCHAND, BAPTISTE, FR
[72] DAVY, CATHERINE, FR
[72] SKOCZYLAS, FREDERIC, FR
[72] AGOSTINI, FRANCK, FR
[72] JEANNIN, LAURENT, FR
[72] LANGE, ARNAUD, FR
[71] STORENGY, FR
[71] ECOLE CENTRALE DE LILLE, FR
[85] 2020-01-15
[86] 2018-07-17 (PCT/FR2018/051823)
[87] (WO2019/016469)
[30] FR (17 56760) 2017-07-17

[21] **3,070,029**
[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 34/00 (2016.01) A61B 34/30 (2016.01) A61B 90/57 (2016.01)**
[25] EN
[54] **CANNULA ATTACHMENT DEVICES AND METHODS FOR A SURGICAL ROBOTIC SYSTEM**
[54] **DISPOSITIFS DE FIXATION DE CANULE ET PROCEDES DESTINES A UN SYSTEME ROBOTIQUE CHIRURGICAL**
[72] SCHEIB, CHARLES J., US
[71] VERB SURGICAL INC., US
[85] 2020-01-14
[86] 2018-08-21 (PCT/US2018/047388)
[87] (WO2019/040531)
[30] US (62/548,292) 2017-08-21
[30] US (15/999,399) 2018-08-20

[21] **3,070,030**
[13] A1
[51] **Int.Cl. A01D 34/74 (2006.01)**
[25] EN
[54] **ELECTRIC POWERED DISC MOWER**
[54] **TONDEUSE A DISQUE ELECTRIQUE**
[72] MADSEN, JAN VESTERGAARD, DK
[72] NES, NILS ASBJORN, NO
[71] KVERNELAND GROUP KERTEMINDE AS, DK
[85] 2020-01-15
[86] 2018-07-11 (PCT/IB2018/055093)
[87] (WO2019/021093)
[30] NO (20171254) 2017-07-26

[21] **3,070,031**
[13] A1
[51] **Int.Cl. C08F 110/10 (2006.01) C08F 4/14 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING HIGH-REACTIVITY ISOBUTENE HOMO- OR COPOLYMERS**
[54] **PROCEDE DE PREPARATION D'HOMOPOLYMERES OU DE COPOLYMERES D'ISOBUTENE HAUTEMENT REACTIFS**
[72] CORBERAN ROC, ROSA, DE
[72] MUEHLBACH, KLAUS, DE
[72] WETTLING, THOMAS, DE
[72] KOSTJUK, SERGEI V., BY
[72] VASILENKO, IRINA, BY
[72] SHIMAN, DMITRYI, BY
[71] BASF SE, DE
[85] 2020-01-15
[86] 2018-08-07 (PCT/EP2018/071355)
[87] (WO2019/034477)
[30] EP (17186534.8) 2017-08-17

[21] **3,070,032**
[13] A1
[51] **Int.Cl. G01M 13/02 (2019.01)**
[25] EN
[54] **EXPERIMENTAL APPARATUS FOR SIMULATING LOAD-TEMPERATURE COUPLING WEAR BEHAVIOR OF PDC CUTTER**
[54] **DISPOSITIF EXPERIMENTAL DESTINE A SIMULER L'USURE D'UNE DENT PDC RESULTANT D'UN COUPLAGE ENTRE LA CHARGE ET LA TEMPERATURE**
[72] MA, YACHAO, CN
[72] HUANG, ZHIQIANG, CN
[72] LIAN, ZHANGHUA, CN
[72] NIU, SHIWEI, CN
[72] ZHANG, WENLIN, CN
[72] XIE, DOU, CN
[71] SOUTHWEST PETROLEUM UNIVERSITY, CN
[85] 2020-01-15
[86] 2019-04-26 (PCT/CN2019/084458)
[87] (WO2019/233214)
[30] CN (201810568558.8) 2018-06-05

[21] **3,070,033**
[13] A1
[51] **Int.Cl. G01N 33/18 (2006.01) A01K 61/10 (2017.01) A01K 63/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CENTRALIZED WATER MONITORING IN A FISH FARM**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE CENTRALISEE DE L'EAU DANS UN PARC DE PISCICULTURE**
[72] OWEN, DAVID ALEXANDER, DK
[71] BLUE UNIT A/S, DK
[85] 2020-01-15
[86] 2017-07-24 (PCT/DK2017/050248)
[87] (WO2018/024305)
[30] DK (PA 2016 70584) 2016-08-05

[21] **3,070,034**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01)**
[25] EN
[54] **SYNTHETIC PROTEINS AND THERAPEUTIC USES THEREOF**
[54] **PROTEINES SYNTHETIQUES ET LEURS UTILISATIONS THERAPEUTIQUES**
[72] D'HONDT, ERIK, BE
[72] CHARLTON, KEITH ALAN, GB
[71] IN3BIO LTD., BM
[85] 2020-01-15
[86] 2018-07-18 (PCT/IB2018/000898)
[87] (WO2019/016597)
[30] US (62/533,901) 2017-07-18

[21] **3,070,035**
[13] A1
[51] **Int.Cl. H01P 1/207 (2006.01) H01P 1/36 (2006.01) A61B 18/00 (2006.01) A61B 18/12 (2006.01) A61B 18/18 (2006.01) H01P 5/08 (2006.01) H01P 5/103 (2006.01) H01P 5/12 (2006.01)**
[25] EN
[54] **ISOLATION DEVICE FOR ELECTROSURGICAL APPARATUS**
[54] **DISPOSITIF D'ISOLATION POUR APPAREIL ELECTROCHIRURGICAL**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] WHITE, MALCOLM, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2020-01-15
[86] 2018-08-15 (PCT/EP2018/072153)
[87] (WO2019/034708)
[30] GB (1713174.9) 2017-08-17

[21] **3,070,036**
[13] A1
[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/426 (2006.01) A61K 31/427 (2006.01) A61P 31/04 (2006.01) C07D 277/30 (2006.01)**
[25] EN
[54] **CHEMICAL COMPOUNDS**
[54] **COMPOSES CHIMIQUES**
[72] DAVIES, DAVID THOMAS, FR
[72] LEIRIS, SIMON, FR
[72] SPRYNSKI, NICOLAS, FR
[72] EVERETT, MARTIN, FR
[72] ZALACAIN, MAGDALENA, US
[71] ANTABIO SAS, FR
[85] 2020-01-15
[86] 2018-07-20 (PCT/EP2018/069827)
[87] (WO2019/016393)
[30] EP (17305973.4) 2017-07-21
[30] EP (18290003.5) 2018-01-08
[30] EP (18150903.5) 2018-01-09

[21] **3,070,038**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6883 (2018.01)**
[25] EN
[54] **NON-INVASIVE DIAGNOSTIC OF NON-ALCOHOLIC FATTY LIVER DISEASES, NON-ALCOHOLIC STEATOHEPATITIS AND/OR LIVER FIBROSIS**
[54] **DIAGNOSTIC NON INVASIF DE MALADIES DU FOIE GRAS NON ALCOOLIQUES, DE LA STEATOHEPATITE NON ALCOOLIQUE ET/OU DE LA FIBROSE HEPATIQUE**
[72] HANF, REMY, FR
[72] CORDONNIER, GENEVIEVE, FR
[72] BROZEK, JOHN, FR
[71] GENFIT, FR
[85] 2020-01-15
[86] 2018-08-27 (PCT/EP2018/073050)
[87] (WO2019/038456)
[30] EP (17306098.9) 2017-08-25
[30] EP (17200028.3) 2017-11-03

[21] **3,070,040**
[13] A1
[51] **Int.Cl. C07K 14/005 (2006.01)**
[25] EN
[54] **RATIONALLY DESIGNED VIRUS-LIKE PARTICLES FOR MODULATION OF CHIMERIC ANTIGEN RECEPTOR (CAR)-T-CELL THERAPY**
[54] **PARTICULES PSEUDOVIRALES CONCUES DE MANIERE RATIONNELLE POUR LA MODULATION DE LA THERAPIE PAR LYMPHOCYTES T A RECEPTEUR ANTIGENIQUE CHIMERIQUE (CAR)**
[72] SCHMIDT, PATRICK, DE
[72] UHRIG-SCHMIDT, SILKE, DE
[72] ZORNIG, INKA, DE
[72] DOLL, KRYSTEN, DE
[72] MULLER, OLIVER, DE
[72] JAGER, DIRK, DE
[71] RUPRECHT-KARLS-UNIVERSITAT HEIDELBERG, DE
[85] 2020-01-15
[86] 2018-08-29 (PCT/EP2018/073276)
[87] (WO2019/043081)
[30] EP (17188336.6) 2017-08-29

[21] **3,070,042**
[13] A1
[51] **Int.Cl. C12N 15/47 (2006.01) A61K 39/205 (2006.01) C07K 14/145 (2006.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **LYSSAVIRUS ANTIGEN CONSTRUCTS**
[54] **CONSTRUCTIONS D'ANTIGENE DE LYSSAVIRUS**
[72] HASHEY, KATHRYN, US
[72] MALYALA, PADMA, US
[72] SAMSA, MARCELO, US
[72] SLACK, OLGA, US
[72] YU, DONG, US
[72] STOKES, ALAN, US
[72] JALAH, RASHMI, US
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2020-01-15
[86] 2018-07-16 (PCT/IB2018/055258)
[87] (WO2019/016680)
[30] US (62/533,312) 2017-07-17

[21] **3,070,043**
[13] A1
[51] **Int.Cl. C07C 217/08 (2006.01) A61K 31/133 (2006.01) A61P 11/06 (2006.01)**
[25] EN
[54] **AMORPHOUS FORM OF VILANTEROL TRIFENATATE AND PROCESSES FOR THE PREPARATION THEREOF**
[54] **FORME POLYMORPHE DE TRIFENATATE DE VILANTEROL ET PROCEDES DE PREPARATION DE CELLE-CI**
[72] LOURENCO, NUNO TORRES, PT
[72] SOBRAL, LUIS, PT
[72] FERNANDES, JOANA, PT
[71] HOVIONE SCIENTIA LIMITED, IE
[85] 2020-01-15
[86] 2018-07-09 (PCT/GB2018/051940)
[87] (WO2019/016512)
[30] PT (110209) 2017-07-19

[21] **3,070,044**
[13] A1
[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **A PAD CONTAINING ROASTED AND GROUND COFFEE FOR PREPARING AT LEAST A COFFEE PART OF A BEVERAGE IN A BEVERAGE PREPARING DEVICE**
[54] **TAMPON CONTENANT DU CAFE TORREFIE ET MOULU POUR PREPARER AU MOINS UNE PARTIE DU CAFE D'UNE BOISSON DANS UN DISPOSITIF DE PREPARATION DE BOISSON**
[72] BIESHEUVEL, AREND CORNELIS JACOBUS, NL
[71] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2020-01-15
[86] 2018-07-16 (PCT/NL2018/050488)
[87] (WO2019/017774)
[30] NL (2019260) 2017-07-17

[21] **3,070,045**
[13] A1
[51] **Int.Cl. A24F 47/00 (2020.01) A61M 11/00 (2006.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **NO-HEAT, NO-BURN SMOKING ARTICLE**
[54] **ARTICLE A FUMER SANS CHALEUR ET SANS COMBUSTION**
[72] SUR, RAJESH, US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2020-01-15
[86] 2018-07-16 (PCT/IB2018/055259)
[87] (WO2019/016681)
[30] US (15/651,548) 2017-07-17

[21] **3,070,046**
[13] A1
[51] **Int.Cl. F04B 43/14 (2006.01) F04B 43/00 (2006.01) F04C 5/00 (2006.01)**
[25] EN
[54] **A ROTARY DIAPHRAGM POSITIVE DISPLACEMENT PUMP**
[54] **POMPE VOLUMETRIQUE A MEMBRANE ROTATIVE**
[72] SHEPHERD, WILLIAM ERIC, GB
[72] STOKES, WILLIAM ROBERT, GB
[71] CHARLES AUSTEN PUMPS LTD., GB
[85] 2020-01-15
[86] 2018-07-11 (PCT/GB2018/051967)
[87] (WO2019/016518)
[30] GB (1711604.7) 2017-07-19

[21] **3,070,049**
[13] A1
[51] **Int.Cl. F04B 43/14 (2006.01) F04B 43/00 (2006.01) F04C 5/00 (2006.01)**
[25] EN
[54] **A ROTARY DIAPHRAGM POSITIVE DISPLACEMENT PUMP**
[54] **POMPE VOLUMETRIQUE ROTATIVE A DIAPHRAGME**
[72] SHEPHERD, WILLIAM ERIC, GB
[72] STOKES, ROBERT WILLIAM, GB
[71] CHARLES AUSTEN PUMPS LTD., GB
[85] 2020-01-15
[86] 2018-07-11 (PCT/GB2018/051968)
[87] (WO2019/016519)
[30] GB (1711607.0) 2017-07-19

[21] **3,070,050**
[13] A1
[51] **Int.Cl. B05D 3/00 (2006.01) B05D 5/06 (2006.01)**
[25] EN
[54] **ASSEMBLIES AND PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL OBLATE MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES**
[54] **ENSEMBLES ET PROCEDES DE PRODUCTION DE COUCHES A EFFET OPTIQUE COMPRENANT DES PARTICULES DE PIGMENT MAGNETIQUES OU MAGNETISABLES ORIENTEES NON SPHERIQUES APLATIES**
[72] AMERASINGHE, CEDRIC, CH
[72] MUELLER, EDGAR, CH
[72] LOGINOV, EVGENY, CH
[72] SCHMID, MATHIEU, CH
[72] DESPLAND, CLAUDE-ALAIN, CH
[71] SICPA HOLDING SA, CH
[85] 2020-01-15
[86] 2018-08-23 (PCT/EP2018/072753)
[87] (WO2019/038371)
[30] EP (17187930.7) 2017-08-25

[21] **3,070,051**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **CHILD SAFETY SEAT**
[54] **SIEGE DE SECURITE POUR ENFANT**
[72] MACLIVER, KEVIN SCOTT, GB
[71] MACLIVER, KEVIN SCOTT, GB
[85] 2020-01-15
[86] 2018-07-23 (PCT/GB2018/052072)
[87] (WO2019/020982)
[30] GB (1711861.3) 2017-07-24

[21] **3,070,053**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08L 23/16 (2006.01)**
[25] EN
[54] **POLYPROPYLENE COMPOSITION WITH LOW SHRINKAGE AT WIDE APPLICATION TEMPERATURE RANGE**
[54] **COMPOSITION DE POLYPROPYLENE A FAIBLE RETRAIT DANS UNE VASTE PLAGE DE TEMPERATURES D'APPLICATION**
[72] GAHLEITNER, MARKUS, AT
[72] BERNREITNER, KLAUS, AT
[72] WANG, JINGBO, AT
[71] BOREALIS AG, AT
[85] 2020-01-15
[86] 2018-08-24 (PCT/EP2018/072846)
[87] (WO2019/042875)
[30] EP (17188122.0) 2017-08-28

[21] **3,070,055**
[13] A1
[51] **Int.Cl. C07D 471/18 (2006.01) A61K 31/439 (2006.01) A61P 25/34 (2006.01)**
[25] EN
[54] **CYTISINE SALTS**
[54] **SELS DE CYTISINE**
[72] CLARKE, ANTHONY, GB
[72] STEWART, RICHARD ALISTAIR BALFOUR, GB
[71] ACHIEVE PHARMA UK LIMITED, GB
[85] 2020-01-15
[86] 2018-07-24 (PCT/GB2018/052085)
[87] (WO2019/020993)
[30] GB (1711900.9) 2017-07-24
[30] GB (1711899.3) 2017-07-24

[21] **3,070,056**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **RATE OF PENETRATION OPTIMIZATION FOR WELLBORES USING MACHINE LEARNING**
[54] **OPTIMISATION DE TAUX DE PENETRATION POUR PUITS DE FORAGE A L'AIDE D'UN APPRENTISSAGE MACHINE**
[72] MADASU, SRINATH, US
[72] RAIZADA, NISHANT, US
[72] RANGARAJAN, KESHAVA, US
[72] SAMUEL, ROBELLO, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-01-15
[86] 2018-03-09 (PCT/US2018/021703)
[87] (WO2019/036063)
[30] US (62/547,133) 2017-08-18

[21] **3,070,058**
[13] A1
[51] **Int.Cl. C07C 271/22 (2006.01) C07C 269/04 (2006.01) C07C 309/30 (2006.01)**
[25] EN
[54] **PEPTIDE NUCLEIC ACID (PNA) MONOMERS WITH AN ORTHOGONALLY PROTECTED ESTER MOIETY AND NOVEL INTERMEDIATES AND METHODS RELATED THERETO**
[54] **MONOMERES D'ACIDE NUCLEIQUE PEPTIDIQUE (PNA) AVEC UNE FRACTION ESTER A PROTECTION ORTHOGONALE, NOUVEAUX INTERMEDIAIRES ET PROCEDES ASSOCIES**
[72] COULL, JAMES M., US
[72] GILDEA, BRIAN D., US
[71] TRUCODE GENE REPAIR, INC., US
[85] 2020-01-15
[86] 2018-07-17 (PCT/US2018/042527)
[87] (WO2019/018422)
[30] US (62/533,582) 2017-07-17
[30] US (62/634,680) 2018-02-23

[21] **3,070,059**
[13] A1
[51] **Int.Cl. G09F 3/00 (2006.01) B42D 15/00 (2006.01) B65C 3/00 (2006.01) B65D 23/08 (2006.01) B65D 25/00 (2006.01)**
[25] EN
[54] **PRODUCT LABEL WRISTBAND, METHOD OF MAKING, AND PRODUCT CONTAINER INCORPORATING SAME**
[54] **BRACELET SUR ETIQUETTE DE PRODUIT, SON PROCEDE DE FABRICATION ET CONTENANT DE PRODUIT L'INCORPORANT**
[72] NEUBAUER, MICHAEL R., US
[72] SHUGARMAN, ALAN E., US
[71] NEUBAUER, MICHAEL R., US
[71] SHUGARMAN, ALAN E., US
[85] 2020-01-15
[86] 2018-07-17 (PCT/US2018/042566)
[87] (WO2019/018448)
[30] US (62/533,586) 2017-07-17

[21] **3,070,062**
[13] A1
[51] **Int.Cl. B28B 11/24 (2006.01) B32B 5/02 (2006.01) C04B 40/04 (2006.01) E04G 21/24 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR CURING CONCRETE**
[54] **PROCEDES ET APPAREILS DE DURCISSEMENT DE BETON**
[72] OZOL, SECKIN, US
[72] TODT, GREGORY L., US
[72] QI, NA, US
[71] TRANSHIELD, INC., US
[85] 2020-01-15
[86] 2018-07-18 (PCT/US2018/042574)
[87] (WO2019/018456)
[30] US (62/534,482) 2017-07-19
[30] US (62/591,817) 2017-11-29
[30] US (16/037,106) 2018-07-17

[21] **3,070,063**
[13] A1
[51] **Int.Cl. H04N 21/236 (2011.01) H04N 21/434 (2011.01) H04N 7/015 (2006.01)**
[25] EN
[54] **METHOD FOR ENCODING RAW HIGH FRAME RATE VIDEO VIA AN EXISTING HD VIDEO ARCHITECTURE**
[54] **PROCEDE DE CODAGE DE VIDEO A HAUTE FREQUENCE D'IMAGES BRUTE PAR LE BIAIS D'UNE ARCHITECTURE VIDEO HD EXISTANTE**
[72] HOOK, TYLER L., US
[72] ZIMMERMAN, DAVID M., US
[72] SANTAMARIA, ANTHONY, US
[71] RAYTHEON COMPANY, US
[85] 2020-01-15
[86] 2018-05-02 (PCT/US2018/030591)
[87] (WO2019/032160)
[30] US (15/672,499) 2017-08-09

[21] **3,070,065**
[13] A1
[51] **Int.Cl. A61M 25/01 (2006.01) A61B 5/15 (2006.01) A61B 5/153 (2006.01) A61M 25/00 (2006.01) A61M 25/06 (2006.01)**
[25] EN
[54] **EXTENSION HOUSING A PROBE OR INTRAVENOUS CATHETER**
[54] **EXTENSION CONTENANT UNE SONDE OU UN CATHETER INTRAVEINEUX**
[72] BURKHOLZ, JONATHAN KARL, US
[72] BIHLMAIER, BRYAN, US
[72] SPATARO, JOSEPH, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-01-15
[86] 2018-07-18 (PCT/US2018/042608)
[87] (WO2019/018473)
[30] US (62/534,552) 2017-07-19
[30] US (16/037,246) 2018-07-17

[21] **3,070,068**
[13] A1
[51] **Int.Cl. H02K 7/102 (2006.01) F16D 55/00 (2006.01) F16D 59/00 (2006.01) F16D 59/02 (2006.01) F16D 66/02 (2006.01) H02K 7/10 (2006.01)**
[25] EN
[54] **LINE REPLACEABLE BRAKE**
[54] **FREIN REMPLACABLE SUR PLACE**
[72] LIU, SHIJIE, US
[72] GOLDHAMMER, KURT, US
[72] DEMAURO, PHIL, US
[72] CAMPBELL, DOUG, US
[72] GIORDANO, JOHN, US
[72] CHIVILY, PHIL, US
[71] WHIPPANY ACTUATION SYSTEMS LLC, US
[85] 2020-01-15
[86] 2018-09-18 (PCT/US2018/051442)
[87] (WO2019/060277)
[30] US (15/708,256) 2017-09-19

[21] **3,070,073**
[13] A1
[51] **Int.Cl. A61K 31/4985 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **1,8-NAPHTHYRIDINONE COMPOUNDS AND USES THEREOF**
[54] **COMPOSES DE 1,8-NAPHTHYRIDINONE ET LEURS UTILISATIONS**
[72] PHAM, SON MINH, US
[72] CHEN, JIYUN, US
[72] ANSARI, AMANTULLAH, IN
[72] JADHAVAR, PRADEEP S., IN
[72] PATIL, VARSHAVEKUMAR S., IN
[72] KHAN, FARHA, IN
[72] RAMACHANDRAN, SREEKANTH A., IN
[72] AGARWAL, ANIL KUMAR, IN
[72] CHAKRAVARTY, SARVAJIT, US
[71] NUVATION BIO INC., US
[85] 2020-01-15
[86] 2018-07-18 (PCT/US2018/042776)
[87] (WO2019/018583)
[30] US (62/534,185) 2017-07-18

[21] **3,070,074**
[13] A1
[51] **Int.Cl. B08B 9/04 (2006.01) B08B 1/00 (2006.01) B08B 9/00 (2006.01) B08B 9/02 (2006.01) E03C 1/30 (2006.01) E03F 9/00 (2006.01)**
[25] EN
[54] **FLEXIBLE, CONSTANT-DOWNWARD-PRESSURE OBSTRUCTED PIPING CLEARING SYSTEM**
[54] **SYSTEME FLEXIBLE DE DEBOUCHAGE DE TUYAUTERIE OBSTRUEE A PRESSION CONSTANTE VERS LE BAS**
[72] PATTERSON, ROY C., US
[72] PATTERSON, DARLA K., US
[71] PATTERSON, ROY C., US
[71] PATTERSON, DARLA K., US
[85] 2020-01-15
[86] 2018-05-22 (PCT/US2018/033937)
[87] (WO2019/022824)
[30] US (15/657,183) 2017-07-23

[21] **3,070,075**
[13] A1
[51] **Int.Cl. G10G 5/00 (2006.01) G10D 1/02 (2006.01)**
[25] EN
[54] **SUPPORT DEVICES FOR MUSICAL INSTRUMENT**
[54] **DISPOSITIFS DE SUPPORT POUR INSTRUMENT DE MUSIQUE**
[72] FOROUGH, CYRUS, US
[72] REZVANI, SHAHRAM, US
[72] REZVANI, SAEID, US
[71] CYRUS CREATIONS LLC, US
[85] 2020-01-15
[86] 2019-02-18 (PCT/US2019/018416)
[87] (WO2019/161332)

[21] **3,070,076**
[13] A1
[51] **Int.Cl. E21B 17/043 (2006.01) E21B 17/046 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **COMBINED MULTI-COUPLER FOR TOP DRIVE**
[54] **MULTI-COUPLEUR COMBINE POUR MECANISME D'ENTRAINEMENT SUPERIEUR**
[72] LIESS, MARTIN, DE
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2020-01-15
[86] 2018-07-19 (PCT/US2018/042813)
[87] (WO2019/018600)
[30] US (15/656,914) 2017-07-21

[21] **3,070,077**
[13] A1
[51] **Int.Cl. G01M 11/00 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS AND TOOLS FOR THE INTERROGATION OF COMPOSITE STRENGTH MEMBERS**
[54] **SYSTEMES, PROCEDES ET OUTILS POUR L'INTERROGATION D'ELEMENTS DE RENFORT COMPOSITES**
[72] DONG, XIAOYUAN, US
[72] WEBB, WILLIAM, US
[72] WONG, CHRISTOPHER, US
[72] PILLING, IAN, US
[71] CTC GLOBAL CORPORATION, US
[85] 2020-01-15
[86] 2019-02-27 (PCT/US2019/019853)
[87] (WO2019/168998)
[30] US (62/635,626) 2018-02-27
[30] US (62/786,271) 2018-12-28
[30] US (62/807,298) 2019-02-19

[21] **3,070,078**
[13] A1
[51] **Int.Cl. B22F 7/04 (2006.01) B22F 3/12 (2006.01) B32B 15/04 (2006.01) B32B 33/00 (2006.01)**
[25] EN
[54] **HARDFACED PRODUCTS FOR ABRASIVE APPLICATIONS AND PROCESSES FOR MAKING THE SAME**
[54] **PRODUITS A SURFACE DURE DESTINES A DES APPLICATIONS ABRASIVES ET LEURS PROCEDES DE FABRICATION**
[72] CHURCHHILL, ROBIN K., US
[71] ESCO GROUP LLC, US
[85] 2020-01-15
[86] 2018-07-19 (PCT/US2018/042829)
[87] (WO2019/018605)
[30] US (62/535,099) 2017-07-20

[21] **3,070,080**
[13] A1
[51] **Int.Cl. A61J 1/10 (2006.01) A61J 1/05 (2006.01) A61J 1/14 (2006.01)**
[25] EN
[54] **CONTAINER FOR HYDROGEN PEROXIDE SOLUTIONS**
[54] **RECIPIENT POUR SOLUTIONS DE PEROXYDE D'HYDROGENE**
[72] BELL, JONATHAN RICHARD, US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2020-01-15
[86] 2018-06-05 (PCT/US2018/036030)
[87] (WO2019/018076)
[30] US (15/651,200) 2017-07-17

[21] **3,070,081**
[13] A1
[51] **Int.Cl. A61B 17/122 (2006.01) A61B 17/28 (2006.01)**
[25] EN
[54] **SURGICAL CLAMP**
[54] **PINCE CHIRURGICALE**
[72] WHELAN, GEOFFREY PAUL, AU
[71] VASCULAR DEVICES PTY LTD, AU
[85] 2020-01-16
[86] 2018-07-18 (PCT/AU2018/000117)
[87] (WO2019/014699)
[30] AU (2017902816) 2017-07-18
[30] AU (2017902817) 2017-07-18
[30] AU (2018901600) 2018-05-10

[21] **3,070,082**
[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/00 (2006.01) A61K 9/28 (2006.01)**
[25] EN
[54] **EFFICACY OF A GASTRO-RETENTIVE BILE ACID SEQUESTRANT DOSAGE FORM**
[54] **EFFICACITE D'UNE FORME POSOLOGIQUE D'AGENT SEQUESTRANT D'ACIDE BILIAIRE A RETENTION GASTRIQUE**
[72] CURRIE, MARK G., US
[72] HASHASH, AHMAD, US
[72] LAVINS, BERNARD JOSEPH, US
[72] HALL, MICHAEL, US
[72] KARASIK, SILVA, US
[71] IRONWOOD PHARMACEUTICALS, INC., US
[85] 2020-01-15
[86] 2018-07-19 (PCT/US2018/042904)
[87] (WO2019/018656)
[30] US (62/534,591) 2017-07-19
[30] US (62/681,633) 2018-06-06

[21] **3,070,084**
[13] A1
[51] **Int.Cl. G01J 1/08 (2006.01) G01J 1/32 (2006.01)**
[25] EN
[54] **IRRADIANCE-CONTROLLED FIXTURE FOR HORTICULTURAL APPLICATIONS**
[54] **APPAREIL COMMANDE PAR ECLAIREMENT ENERGETIQUE POUR APPLICATIONS HORTICOLES**
[72] SPEER, RICHARD, US
[72] SELVERIAN, JOHN, US
[72] SARKISIAN, ALAN, US
[72] PEREYRA, RODRIGO M., US
[72] HAMBY, DAVID, US
[71] OSRAM SYLVANIA INC., US
[85] 2020-01-15
[86] 2018-07-12 (PCT/US2018/041750)
[87] (WO2019/022958)
[30] US (15/657,647) 2017-07-24

[21] **3,070,086**
[13] A1
[51] **Int.Cl. G01H 9/00 (2006.01) G01V 8/24 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DISTRIBUTED ACOUSTIC SENSING IN A MARINE ENVIRONMENT**
[54] **PROCEDE ET SYSTEME DE DETECTION ACOUSTIQUE DISTRIBUEE DANS UN ENVIRONNEMENT MARIN**
[72] ENGLUND, MARK ANDREW, AU
[71] ENGLUND, MARK ANDREW, AU
[85] 2020-01-16
[86] 2018-07-18 (PCT/AU2018/050757)
[87] (WO2019/014721)
[30] AU (2017902820) 2017-07-18

[21] **3,070,091**
[13] A1
[51] **Int.Cl. H04W 36/24 (2009.01) H04W 56/00 (2009.01) H04W 36/28 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION SYSTEM AND METHOD FOR HANDLING WIRELESS COMMUNICATION ENHANCING HANDOVER**
[54] **SYSTEME DE COMMUNICATION SANS FIL ET PROCEDE DE GESTION DE TRANSFERT AMELIORE DE COMMUNICATION SANS FIL**
[72] HASSAN HUSSEIN, KHALED SHAWKY, DE
[72] HEYN, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-01-16
[86] 2018-07-20 (PCT/EP2018/069811)
[87] (WO2019/016386)
[30] EP (17182582.1) 2017-07-21

[21] **3,070,094**
[13] A1
[51] **Int.Cl. A23N 1/00 (2006.01) A47J 19/02 (2006.01)**
[25] EN
[54] **IMPROVED JUICING HEAD**
[54] **TETE D'EXTRACTION DE JUS AMELIOREE**
[72] MEDEL CABELLO, RAFAEL, ES
[71] ZUMEX GROUP, S.A., ES
[85] 2020-01-16
[86] 2018-07-23 (PCT/EP2018/069876)
[87] (WO2019/025215)
[30] ES (P201730997) 2017-07-31

[21] **3,070,097**
[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61J 1/14 (2006.01) A61M 11/00 (2006.01) B05B 11/00 (2006.01) B65D 51/16 (2006.01)**
[25] EN
[54] **NEBULIZER**
[54] **NEBULISEUR**
[72] KLADDERS, HEINRICH, DE
[72] WABNITZ, THOMAS, DE
[72] GRAESSL, HERBERT, DE
[72] JUNG, ANDREE, DE
[72] WUTTKE, GILBERT, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2020-01-16
[86] 2018-07-23 (PCT/EP2018/069947)
[87] (WO2019/016410)
[30] EP (17020317.8) 2017-07-21
[30] EP (17020316.0) 2017-07-21
[30] EP (PCT/EP2018/069834) 2018-07-20

[21] **3,070,100**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIGEN BINDING REGIONS AGAINST FIBRONECTIN TYPE III DOMAINS AND METHODS OF USING THE SAME**
[54] **REGIONS DE LIAISON A UN ANTIGENE DIRIGEES CONTRE LES DOMAINES DE LA FIBRONECTINE DE TYPE III ET LEURS PROCEDES D'UTILISATION**
[72] HUANG, CHICHI, US
[72] LEE, JOHN, US
[72] MOONEY, JILL, US
[72] NASO, MICHAEL, US
[71] JANSSEN BIOTECH, INC., US
[85] 2020-01-15
[86] 2018-07-17 (PCT/US2018/042495)
[87] (WO2019/018402)
[30] US (62/533,341) 2017-07-17
[30] US (62/625,576) 2018-02-02

[21] **3,070,102**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/02 (2006.01) A61K 39/39 (2006.01) A61K 47/06 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **VACCINES AGAINST TICK-BORNE DISEASES**
[54] **VACCINS CONTRE DES MALADIES TRANSMISES PAR LES TIQUES**
[72] GANTA, ROMAN R., US
[71] KANSAS STATE UNIVERSITY RESEARCH FOUNDATION, US
[85] 2020-01-15
[86] 2018-07-17 (PCT/US2018/042496)
[87] (WO2019/027670)
[30] US (62/533,550) 2017-07-31

[21] **3,070,104**
[13] A1
[51] **Int.Cl. A01N 57/20 (2006.01) B01D 15/36 (2006.01) G01N 23/207 (2018.01)**
[25] EN
[54] **METHODS FOR THE PURIFICATION OF L-GLUFOSINATE**
[54] **PROCEDES DE PURIFICATION DE L-GLUFOSINATE**
[72] FIELDS, STEPHEN CRAIG, US
[72] OBERHOLZER, MATTHEW RICHARD, US
[72] GREEN, BRIAN MICHAEL, US
[72] KULKARNI, SAMIR, US
[72] NELSON, JENNIFER, US
[72] ANDRES, PATRICIA, US
[71] AGRIMETIS, LLC, US
[85] 2020-01-15
[86] 2018-07-17 (PCT/US2018/042503)
[87] (WO2019/018406)
[30] US (62/533,944) 2017-07-18
[30] US (62/653,736) 2018-04-06

[21] **3,070,106**
[13] A1
[51] **Int.Cl. A24F 47/00 (2020.01)**
[25] EN
[54] **ELECTRONIC SMOKING SYSTEM**
[54] **SYSTEME A FUMER ELECTRONIQUE**
[72] LARSEN, CASPER SEJER, DE
[71] ODIN & THOR APS, DK
[85] 2020-01-16
[86] 2018-06-21 (PCT/DK2018/050152)
[87] (WO2019/020151)
[30] DK (PA201770591) 2017-07-27
[30] DK (PA201770957) 2017-12-19

[21] **3,070,107**
[13] A1
[51] **Int.Cl. A61K 41/00 (2020.01) A61P 17/10 (2006.01)**
[25] EN
[54] **PHOTODYNAMIC THERAPY METHOD FOR SKIN DISORDERS**
[54] **METHODE DE THERAPIE PHOTODYNAMIQUE CONTRE LES TROUBLES CUTANES**
[72] WILLEY, ANDREA, US
[71] WILLEY, ANDREA, US
[85] 2020-01-15
[86] 2018-07-17 (PCT/US2018/042505)
[87] (WO2019/018408)
[30] US (62/533,558) 2017-07-17
[30] US (62/534,973) 2017-07-20

[21] **3,070,110**
[13] A1
[51] **Int.Cl. B01J 4/02 (2006.01) A61K 47/68 (2017.01) A61K 48/00 (2006.01) B01J 19/24 (2006.01)**
[25] EN
[54] **CONTINUOUS MANUFACTURE OF GUIDANCE MOLECULE DRUG CONJUGATES**
[54] **FABRICATION CONTINUE DE CONJUGUES DE MEDICAMENT A MOLECULE DE GUIDAGE**
[72] PAULSEN, HOLGER, DE
[72] KRUGER, JOACHIM, DE
[72] KAISER, KLAUS, DE
[72] LINGEN, VERENA, DE
[72] GOTTFRIED, MICHAEL, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2020-01-16
[86] 2018-07-12 (PCT/EP2018/068962)
[87] (WO2019/016067)
[30] EP (17182070.7) 2017-07-19

[21] **3,070,111**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61B 34/20 (2016.01) G06T 7/00 (2017.01)**
[25] EN
[54] **ADJUSTABLE PERCUTANEOUS ANNULOPLASTY DEVICES, DELIVERY SYSTEMS, A METHOD FOR PERCUTANEOUSLY DEPLOYING AN ANNULOPLASTY DEVICE AND A METHOD PERFORMED BY ONE OR MORE PROCESSING DEVICES**
[54] **DISPOSITIFS D'ANNULOPLASTIE PERCUTANEE AJUSTABLES, SYSTEMES DE MISE EN PLACE, PROCEDE DE DEPLOIEMENT PERCUTANE D'UN DISPOSITIF D'ANNULOPLASTIE ET PROCEDE MIS EN .UVRE PAR UN OU PLUSIEURS DISPOSITIFS DE TRAITEMENT**
[72] TOZZI, PIERGIORGIO, CH
[72] HAYOZ, DANIEL, CH
[72] GARD, MARCO, IT
[72] ZANOTTI, DANIELE, FR
[71] KEPHALIOS S.A.S., FR
[85] 2020-01-16
[86] 2017-07-18 (PCT/EP2017/068164)
[87] (WO2019/015747)

[21] **3,070,113**
[13] A1
[51] **Int.Cl. B01D 61/14 (2006.01) A61K 47/68 (2017.01) B01D 61/24 (2006.01) B01D 61/28 (2006.01) B01D 63/02 (2006.01)**
[25] EN
[54] **REMOVAL OF UNBOUND DRUG AFTER ANTIBODY DRUG CONJUGATE COUPLING**
[54] **ELIMINATION DE MEDICAMENT NON LIE APRES COUPLAGE CONJUGUE MEDICAMENT-ANTICORPS**
[72] SCHWAN, PETER, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2020-01-16
[86] 2018-07-12 (PCT/EP2018/068970)
[87] (WO2019/016070)
[30] EP (17182039.2) 2017-07-19

[21] **3,070,114**
[13] A1
[51] **Int.Cl. A62C 27/00 (2006.01) A62C 31/00 (2006.01) A62C 37/50 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR OPERATING A FIRE EXTINGUISHER SYSTEM**
[54] **DISPOSITIF DE COMMANDE PERMETTANT DE FONCTIONNER UN SYSTEME D'EXTINCTION D'INCENDIE**
[72] KIRCHNER, UWE, DE
[72] SAUERBIER, CARSTEN, DE
[71] IDEX EUROPE GMBH, DE
[85] 2020-01-16
[86] 2017-07-28 (PCT/EP2017/069117)
[87] (WO2019/020191)

[21] **3,070,116**
[13] A1
[51] **Int.Cl. C03B 27/04 (2006.01)**
[25] EN
[54] **BLOWER BOX FOR THERMAL PRESTRESSING OF GLASS PANES**
[54] **CAISSON DE SOUFFLAGE POUR LA TREMPE THERMIQUE DE VITRES**
[72] SCHILLINGS, PETER, DE
[72] ZEICHNER, ACHIM, DE
[72] MAZZEO, LUIGI, DE
[72] GEHNEN, LUTZ, DE
[72] SCHNEIDER, BERND, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-01-16
[86] 2018-05-28 (PCT/EP2018/063877)
[87] (WO2019/015835)
[30] EP (17182540.9) 2017-07-21

[21] **3,070,121**
[13] A1
[51] **Int.Cl. C04B 35/04 (2006.01) C04B 2/10 (2006.01) C04B 2/12 (2006.01) C04B 35/622 (2006.01) C04B 35/64 (2006.01) C04B 38/00 (2006.01) C22B 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING MAGNESITE, A SINTERED MAGNESIA PRODUCED BY THE METHOD, AND A SINTERED REFRACTORY CERAMIC PRODUCT PRODUCED BY THE METHOD**
[54] **PROCEDE DE TRAITEMENT DE MAGNESITE, MAGNESIE FRITTEE PRODUITE PAR LE PROCEDE ET PRODUIT CERAMIQUE REFRACTAIRE FRITTE PRODUIT PAR LE PROCEDE**
[72] JIA, JINFENG, CN
[72] GUO, JING, CN
[72] LIU, YONGYI, CN
[72] OCHABAUER, FERDINAND, AT
[72] MUHLHAUSSER, JURGEN, AT
[72] NIEVOLL, JOSEF, AT
[71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT
[85] 2020-01-16
[86] 2018-07-05 (PCT/EP2018/068226)
[87] (WO2019/029918)
[30] EP (17185663.6) 2017-08-10

[21] **3,070,129**
[13] A1
[51] **Int.Cl. A01K 5/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR FODDER ADMINISTRATION**
[54] **PROCEDE ET SYSTEME D'ADMINISTRATION DE FOURRAGE**
[72] KARWACKI, SZYMON, SE
[72] OHMAN, ULRIKA, SE
[71] DELAVAL HOLDING AB, SE
[85] 2020-01-15
[86] 2018-08-14 (PCT/SE2018/050825)
[87] (WO2019/035756)
[30] SE (1750998-5) 2017-08-16

[21] **3,070,137**
[13] A1
[51] **Int.Cl. G01N 27/416 (2006.01) C02F 1/00 (2006.01) C02F 1/467 (2006.01) G01N 33/18 (2006.01)**
[25] EN
[54] **METHOD OF REGULATING ONE OR MORE COMPONENT VALUES IN MONOCHLORAMINE PRODUCTION USING REAL-TIME ELECTROCHEMICAL SENSING**
[54] **PROCEDE DE REGLAGE D'UNE OU PLUSIEURS VALEURS DE COMPOSANT DANS LA PRODUCTION DE MONOCHLORAMINE AU MOYEN D'UNE DETECTION ELECTROCHIMIQUE EN TEMPS REEL**
[72] VAN HAUTE, EDDIE, US
[72] MASURE, LUC, US
[72] SCOTT, EDMUND, US
[72] CONYNGHAM, MARK, US
[71] BUCKMAN LABORATORIES INTERNATIONAL, INC., US
[85] 2020-01-15
[86] 2017-07-19 (PCT/US2017/042787)
[87] (WO2019/017930)

[21] **3,070,146**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A61K 39/285 (2006.01) C12N 15/86 (2006.01) C12N 15/863 (2006.01)**
[25] EN
[54] **ONCOLYTIC VIRUSES TARGETING STAT3**
[54] **VIRUS ONCOLYTIQUES CIBLANT STAT3**
[72] THORNE, STEPHEN HOWARD, US
[72] BYRD, DANIEL J., US
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATN, US
[85] 2020-01-15
[86] 2017-07-19 (PCT/US2017/042910)
[87] (WO2018/017747)
[30] US (62/364,095) 2016-07-19

[21] **3,070,148**
[13] A1
[51] **Int.Cl. C09D 175/06 (2006.01) C08G 18/32 (2006.01) C08G 18/62 (2006.01) C08G 18/72 (2006.01) C08G 18/73 (2006.01) C08G 18/80 (2006.01) C09D 5/28 (2006.01)**
[25] EN
[54] **TWO-COMPONENT (2K) CLEARCOAT AND METHOD TO COAT A SUBSTRATE WITH THE TWO -COMPONENT (2K) CLEARCOAT HAVING ENHANCED VISUAL APPEARANCE**
[54] **COUCHE TRANSPARENTE A DEUX CONSTITUANTS (2K) ET PROCEDE POUR REVETIR UN SUBSTRAT AVEC LA COUCHE TRANSPARENTE A DEUX CONSTITUANTS (2K) AYANT UN ASPECT VISUEL AMELIORE**
[72] LAW, DAVID J., US
[72] TURLEY, KEVIN MICHAEL, US
[72] RINGE, ROBERT, US
[71] BASF COATINGS GMBH, DE
[85] 2020-01-16
[86] 2018-07-25 (PCT/EP2018/070195)
[87] (WO2019/029995)
[30] EP (17185449.0) 2017-08-09

[21] **3,070,150**
[13] A1
[51] **Int.Cl. B01F 5/06 (2006.01) B01F 5/02 (2006.01) B01F 15/02 (2006.01)**
[25] EN
[54] **MIXER**
[54] **MELANGEUR**
[72] BUBLEWITZ, ALEXANDER, DE
[72] REBER, JENS-PETER, DE
[71] 3LMED GMBH, DE
[85] 2020-01-16
[86] 2018-07-26 (PCT/EP2018/070338)
[87] (WO2019/020764)
[30] DE (10 2017 117 198.3) 2017-07-28
[30] DE (10 2017 117 199.1) 2017-07-28

[21] **3,070,151**
[13] A1
[51] **Int.Cl. A63F 13/828 (2014.01) A63F 13/25 (2014.01) A63F 13/46 (2014.01) A63F 13/61 (2014.01) A63F 3/06 (2006.01)**
[25] EN
[54] **STANDALONE AND REACTIVE SQUARES GAMES ADAPTED FOR EMPLOYMENT IN A FANTASY SPORTS LEAGUE ENVIRONMENT**
[54] **JEUX DE CASES AUTONOMES ET REACTIFS CONCUS POUR ETRE UTILISES DANS UN ENVIRONNEMENT DE LIGUE DE SPORT VIRTUEL**
[72] MAGGIO, FRANK S., US
[71] MAGGIO, FRANK S., US
[85] 2020-01-15
[86] 2017-08-10 (PCT/US2017/046384)
[87] (WO2018/031829)
[30] US (15/232,834) 2016-08-10

[21] **3,070,154**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01)**
[25] EN
[54] **CHOLINE SALT FORMS OF AN HIV CAPSID INHIBITOR**
[54] **FORMES DE SEL CHOLINE D'UN INHIBITEUR DE LA CAPSIDE DU VIH**
[72] HOUSTON, TRAVIS LEE, US
[72] SHI, BING, US
[71] GILEAD SCIENCES, INC., US
[85] 2020-01-15
[86] 2018-08-16 (PCT/US2018/000248)
[87] (WO2019/035973)
[30] US (62/546,974) 2017-08-17

[21] **3,070,168**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06Q 20/20 (2012.01) G06Q 20/32 (2012.01) G06K 19/06 (2006.01)**
[25] EN
[54] **PAYMENT SYSTEM**
[54] **SYSTEME DE PAIEMENT**
[72] MOLNAR, NICHOLAS, AU
[72] WHITEMAN, DAVID, AU
[71] AFTERPAY PTY LTD, AU
[85] 2020-01-10
[86] 2017-07-13 (PCT/AU2017/050723)
[87] (WO2018/009977)
[30] AU (2016902755) 2016-07-13

[21] **3,070,174**
[13] A1
[51] **Int.Cl. B01F 5/06 (2006.01) B01F 15/02 (2006.01)**
[25] EN
[54] **MIXER WITH A COMPENSATION CHANNEL AND/OR RESERVOIR CHAMBER**
[54] **MELANGEUR AVEC CONDUIT DE COMPENSATION ET/OU CHAMBRE DE STOCKAGE**
[72] BUBLEWITZ, ALEXANDER, DE
[72] REBER, JENS-PETER, DE
[71] 3LMED GMBH, DE
[85] 2020-01-16
[86] 2018-07-26 (PCT/EP2018/070344)
[87] (WO2019/020768)
[30] DE (10 2017 117 199.1) 2017-07-28
[30] DE (10 2017 117 198.3) 2017-07-28

[21] **3,070,177**
[13] A1
[51] **Int.Cl. A01N 57/20 (2006.01) A01N 35/10 (2006.01) A01N 43/16 (2006.01) A01N 43/18 (2006.01) A01N 43/40 (2006.01) A01N 43/60 (2006.01) A01N 43/76 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL MIXTURES COMPRISING L-GLUFOSINATE AND THEIR USE IN CANOLA CULTURES**
[54] **MELANGES HERBICIDES COMPRENANT DU L-GLUFOSINATE ET LEUR UTILISATION DANS LES CULTURES DE COLZA**
[72] WINTER, CHRISTIAN, DE
[72] GEWEHR, MARKUS, DE
[72] NIELSON, RYAN LOUIS, DE
[71] BASF SE, DE
[85] 2020-01-16
[86] 2018-08-02 (PCT/EP2018/070928)
[87] (WO2019/030086)
[30] EP (17185466.4) 2017-08-09

[21] **3,070,178**
[13] A1
[51] **Int.Cl. A61K 31/195 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **PROBENECID FOR USE IN TREATING EPILEPTIC DISEASES, DISORDERS OR CONDITIONS**
[54] **PROBENECIDE POUR UTILISATION DANS LE TRAITEMENT DE MALADIES, TROUBLES OU AFFECTIONS EPILEPTIQUES**
[72] ROUACH, NATHALIE, FR
[72] DOSSI, ELENA, FR
[72] HUBERFELD, GILLES, FR
[71] PARIS SCIENCES ET LETTRES - QUARTIER LATIN, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] SORBONNE UNIVERSITE, FR
[71] APHP (ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS), FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES (CEA), FR
[71] UNIVERSITE DE PARIS, FR
[85] 2020-01-10
[86] 2018-07-13 (PCT/EP2018/069092)
[87] (WO2019/012109)
[30] EP (17305934.6) 2017-07-13

[21] **3,070,179**
[13] A1
[51] **Int.Cl. A01N 57/20 (2006.01) A01N 37/20 (2006.01) A01N 43/54 (2006.01) A01N 43/653 (2006.01) A01N 43/80 (2006.01) A01N 43/84 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL MIXTURES COMPRISING L-GLUFOSINATE AND THEIR USE IN SOYBEAN CULTURES**
[54] **MELANGES HERBICIDES COMPRENANT DU L-GLUFOSINATE ET LEUR UTILISATION DANS DES CULTURES DE SOJA**
[72] WINTER, CHRISTIAN, DE
[72] GEWEHR, MARKUS, DE
[72] NIELSON, RYAN LOUIS, DE
[71] BASF SE, DE
[85] 2020-01-16
[86] 2018-08-02 (PCT/EP2018/070940)
[87] (WO2019/030097)
[30] EP (17185462.3) 2017-08-09

[21] **3,070,181**
[13] A1
[51] **Int.Cl. B03D 1/16 (2006.01) B03D 1/004 (2006.01) B03D 1/01 (2006.01)**
[25] EN
[54] **INDIRECT FLOTATION PROCESS FOR MANUFACTURING WHITE PIGMENT CONTAINING PRODUCTS**
[54] **PROCEDE DE FLOTTATION INDIRECTE POUR LA FABRICATION DE PRODUITS CONTENANT DES PIGMENTS BLANCS**
[72] SOTEMANN, JORG, DE
[72] MAIER, JORG, AT
[72] GILBERT, DAVID, AT
[72] NIITTI, TOMI MATTI JUHANI, NO
[71] OMYA INTERNATIONAL AG, CH
[85] 2020-01-16
[86] 2018-08-08 (PCT/EP2018/071491)
[87] (WO2019/034491)
[30] EP (17186527.2) 2017-08-16
[30] US (62/549,047) 2017-08-23

[21] **3,070,182**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A23L 5/00 (2016.01) A61K 9/00 (2006.01) A61P 1/00 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **REG3ALPHA FOR USE IN THE PROTECTION OF OXYGEN SENSITIVE GRAM-POSITIVE BACTERIA**
[54] **REG3ALPHA DESTINE A ETRE UTILISE DANS LA PROTECTION DE BACTERIES GRAM-POSITIVES SENSIBLES A L'OXYGENE**
[72] DORE, JOEL, FR
[72] FAIVRE, JAMILA, FR
[72] MONIAUX, NICOLAS, FR
[72] BRECHOT, CHRISTIAN, FR
[72] DARNAUD, MARION, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS, FR
[71] INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA), FR
[71] UNIVERSITE PARIS-SUD, FR
[85] 2020-01-10
[86] 2018-07-13 (PCT/EP2018/069133)
[87] (WO2019/012128)
[30] EP (17305925.4) 2017-07-13

[21] **3,070,183**
[13] A1
[51] **Int.Cl. C09D 5/00 (2006.01) B05D 3/00 (2006.01) B05D 3/06 (2006.01)**
[25] EN
[54] **ASSEMBLIES AND PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL OBLATE MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES**
[54] **ENSEMBLES ET PROCEDES DE PRODUCTION DE COUCHES A EFFET OPTIQUE COMPRENANT DES PARTICULES DE PIGMENT MAGNETIQUES OU MAGNETISABLES APLATIES NON SPHERIQUES ORIENTEES**
[72] AMERSINGHE, CEDRIC, CH
[72] MUELLER, EDGAR, CH
[72] LOGINOV, EVGENY, CH
[72] SCHMID, MATHIEU, CH
[72] DESPLAND, CLAUDE-ALAIN, CH
[71] SICPA HOLDING SA, CH
[85] 2020-01-16
[86] 2018-08-23 (PCT/EP2018/072752)
[87] (WO2019/038370)
[30] EP (17187930.7) 2017-08-25
[30] EP (17202275.8) 2017-11-17

[21] **3,070,185**
[13] A1
[51] **Int.Cl. A61B 6/00 (2006.01)**
[25] EN
[54] **PORTABLE X-RAY DEVICE AND SYSTEM**
[54] **DISPOSITIF PORTABLE A RAYONS X ET SYSTEME ASSOCIE**
[72] DIAZ CARMENA, ANGEL, ES
[72] GARCIA PEREZ, JOSE, ES
[72] MORENO VALLEJO, ILDEFONSO, ES
[72] MARTINEZ ROCA, JESUS, ES
[72] PANTOJA CHECA, JACOBO, ES
[71] SOCIEDAD ESPANOLA DE ELECTROMEDICINA Y CALIDAD, SA, ES
[85] 2020-01-10
[86] 2018-07-12 (PCT/IB2018/055167)
[87] (WO2019/012482)
[30] US (15/648,120) 2017-07-12

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

[21] **3,048,304**
[13] A1
[51] **Int.Cl. H04L 12/26 (2006.01) G06F 16/93 (2019.01) G06F 16/958 (2019.01) H04L 12/16 (2006.01)**
[25] EN
[54] **RESOURCE MANAGEMENT FOR OBJECTS WITHIN A WEB APPLICATION**
[54]
[72] TUCKER, CHRISTOPHER, US
[72] ZHANG, QIAN, US
[72] GUEZ, YARON, US
[72] HE, SHA, US
[71] SERVICENOW, INC., US
[22] 2019-07-02
[41] 2020-01-03
[30] US (16/026,694) 2018-07-03

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[21] **3,061,224**
[13] A1
[51] **Int.Cl. G06Q 20/08 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**
[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCEDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIE**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-04-30
[41] 2016-11-03
[62] 2,986,817

---

[21] **3,065,720**
[13] A1
[25] EN
[54] **LOW EMISSION FLUID TRANSFER DEVICE**
[54]
[72] HOFFMAN, ALEX L., US
[72] BLANCHARD, FREDERICK W., US
[71] MARSHALL EXCELSIOR COMPANY, US
[22] 2009-02-13
[41] 2010-02-01
[62] 3,017,906
[30] US (12/184,752) 2008-08-01

---

[21] **3,065,734**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **ASYMMETRIC OPENING AND CLOSING PROSTHETIC VALVE LEAFLET**
[54] **FEUILLET DE VALVULE PROTHETIQUE A OUVERTURE ET FERMETURE ASYMETRIQUE**
[72] ARMSTRONG, JOSEPH R., US
[71] W.L. GORE & ASSOCIATES, INC., US
[22] 2014-12-05
[41] 2015-06-11
[62] 2,932,760
[30] US (61/913,235) 2013-12-06
[30] US (61/974,653) 2014-04-03
[30] US (14/561,148) 2014-12-04

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[21] **3,065,735**
[13] A1
[25] EN
[54] **METHOD AND SYSTEM FOR INTEGRATING ENGINE CONTROL AND FLIGHT CONTROL SYSTEM**
[54] **METHODE ET SYSTEME D'INTEGRATION DE COMMANDE MOTEUR ET SYSTEME DE COMMANDE DE VOL**
[72] MATHEWS, HARRY KIRK, JR., US
[72] ADIBHATLA, SRIDHAR, US
[72] BULT, JEFFREY RUSSELL, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2012-08-23
[41] 2013-02-28
[62] 2,787,579
[30] US (13/221,102) 2011-08-30

---

[21] **3,065,736**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) C12N 5/074 (2010.01) C12N 5/077 (2010.01) A61P 21/00 (2006.01) A61P 21/06 (2006.01) C07K 14/47 (2006.01) C12N 15/12 (2006.01) C12N 15/85 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MODULATING STEM CELLS AND USES THEREOF**
[54] **COMPOSITIONS ET METHODES PERMETTANT DE MODULER LES CELLULES SOUCHES ET LEURS UTILISATIONS**
[72] RUDNICKI, MICHAEL A., CA
[72] LE GRAND, FABIEN, FR
[71] OTTAWA HOSPITAL RESEARCH INSTITUTE, CA
[22] 2010-04-27
[41] 2010-11-04
[62] 2,760,042
[30] US (61/172,832) 2009-04-27

[21] **3,065,860**
[13] A1
[51] **Int.Cl. A61K 47/44 (2017.01) A61K 9/107 (2006.01) A61K 47/00 (2006.01) A61K 47/14 (2017.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING A FATTY ACID OIL MIXTURE AND A SURFACTANT, AND METHODS AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT UN MELANGE D'HUILE D'ACIDE GRAS ET D'AGENT TENSIO-ACTIF, ET LEURS PROCEDES ET UTILISATIONS**
[72] HUSTVEDT, SVEIN OLAF, NO
[72] OLESEN, PREBEN HOULBERG, DK
[72] BERGE, GUNNAR, NO
[72] KLAVENESS, JO ERIK JOHNSRUD, NO
[71] PRONOVA BIOPHARMA NORGE AS, NO
[22] 2010-03-09
[41] 2010-09-16
[62] 2,754,860
[30] US (61/158,613) 2009-03-09
[30] US (61/242,630) 2009-09-15
[30] US (61/254,293) 2009-10-23
[30] US (61/254,291) 2009-10-23

[21] **3,065,907**
[13] A1
[25] EN
[54] **AUTOMATIC VARIABLE FREQUENCY DRIVE BYPASS**
[54] **CONTOURNEMENT AUTOMATIQUE D'UN VARIATEUR DE FREQUENCE**
[72] HAVARD, HAROLD GENE, JR., US
[72] HUNG, DER-KAI, US
[72] WALTER, STEPHEN A., US
[71] LENNOX INDUSTRIES INC., US
[22] 2012-09-27
[41] 2013-04-05
[62] 2,790,989
[30] US (61/543,709) 2011-10-05
[30] US (13/332,778) 2011-12-21

[21] **3,065,947**
[13] A1
[25] EN
[54] **CONDITIONALLY IMMORTALIZED LONG-TERM STEM CELLS AND METHODS OF MAKING AND USING SUCH CELLS**
[54] **CELLULES SOUCHES A LONG TERME IMMORTALISEES DE FACON CONDITIONNELLE ET PROCEDES DE FABRICATION DE CES CELLULES**
[72] CAMBIER, JOHN, US
[72] REFAELI, YOSEF, US
[72] JOHNSON, SARA ANN, US
[72] TURNER, BRIAN CURTIS, US
[71] NATIONAL JEWISH HEALTH, US
[71] THE REGENTS OF UNIVERSITY OF COLORADO, US
[22] 2006-10-18
[41] 2007-04-26
[62] 2,626,525
[30] US (60/728,131) 2005-10-18
[30] US (60/765,993) 2006-02-06

[21] **3,065,959**
[13] A1
[51] **Int.Cl. G07F 17/30 (2006.01) G07F 17/16 (2006.01) G10H 7/00 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **DIGITAL DOWNLOADING JUKEBOX SYSTEM WITH CENTRAL AND LOCAL MUSIC SERVERS**
[54] **SYSTEME NUMERIQUE DE JUKEBOX A TELECHARGEMENT ASSOCIE A DES SERVEURS DE MUSIQUE CENTRAL ET LOCAL**
[72] DION, DOMINIQUE, CA
[72] NATHAN, GUY, CA
[71] TOUCHTUNES MUSIC CORPORATION, US
[22] 2006-02-07
[41] 2007-01-21
[62] 2,928,142
[30] US (11/185,974) 2005-07-21

[21] **3,065,963**
[13] A1
[51] **Int.Cl. H04N 5/268 (2006.01) H04N 5/272 (2006.01)**
[25] EN
[54] **USING A DIGITAL VIDEO EFFECT TO GENERATE A VIDEO STREAM**
[54] **UTILISATION D'UN EFFET VIDEO NUMERIQUE AFIN DE GENERER UN FLUX VIDEO**
[72] HUNDEMER, HANK J., US
[71] TRIBUNE BROADCASTING COMPANY, LLC, US
[22] 2015-02-18
[41] 2015-08-27
[62] 2,937,936
[30] US (61/941,267) 2014-02-18
[30] US (14/329,619) 2014-07-11
[30] US (14/329,652) 2014-07-11
[30] US (14/329,632) 2014-07-11

[21] **3,065,968**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) G01N 33/574 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **ANTI-CD79B ANTIBODIES AND IMMUNOCONJUGATES AND METHODS OF USE**
[54] **ANTICORPS ANTI-CD79B, IMMUNOCONJUGUES, ET PROCEDES D'UTILISATION**
[72] CHEN, YVONNE, US
[72] DENNIS, MARK, US
[72] DORNAN, DAVID, US
[72] ELKINS, KRISTI, US
[72] JUNUTULA, JAGATH REDDY, US
[72] POLSON, ANDREW, US
[72] ZHENG, BING, US
[71] GENENTECH, INC., US
[22] 2008-07-15
[41] 2009-01-22
[62] 2,693,255
[30] US (60/950,052) 2007-07-16
[30] US (61/025,137) 2008-01-31
[30] US (61/032,790) 2008-02-29
[30] US (61/054,709) 2008-05-20

[21] **3,065,976**
[13] A1
[25] EN
[54] **A HOMOMORPHIC PROCESSING UNIT (HPU) FOR ACCELERATING SECURE COMPUTATIONS UNDER HOMOMORPHIC ENCRYPTION**
[54] **UN MODULE DE TRAITEMENT HOMOMORPHE DESTINE A ACCELERER LES CALCULS SECURISES DE CHIFFREMENT HOMOMORPHE**
[72] KHEDR, ALHASSAN, CA
[72] GULAK, GLENN, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[22] 2017-08-11
[41] 2019-02-11
[62] 3,034,597

[21] **3,065,977**
[13] A1
[25] EN
[54] **ICE HOCKEY RUNNER-BLADE ASSEMBLY**
[54] **ENSEMBLE LAME DE PATIN D'HOCKEY SUR GLACE**
[72] CRUIKSHANK, DAVID W., US
[72] ALTSHULER, EDWARD L., US
[71] BAUER HOCKEY LTD., CA
[22] 2012-08-03
[41] 2013-02-14
[62] 2,844,716
[30] US (61/522,058) 2011-08-10

[21] **3,065,980**
[13] A1
[25] EN
[54] **PLANT-BASED EGG SUBSTITUTE AND METHOD OF MANUFACTURE**
[54] **SUBSTITUT D'.UFS A BASE DE PLANTES ET PROCEDE DE FABRICATION ASSOCIE**
[72] TETRICK, JOSHUA, US
[72] BOOT, JOHANNES HENDRIKUS ANTONIUS, US
[72] JONES, CHRISTOPHER MICHAEL, US
[72] CLEMENTS, MEGAN ALEXANDER, US
[72] OLIVEIRA, MORGAN ANN, US
[72] ALBANELLO, LORENZO, US
[71] JUST, INC., US
[22] 2012-11-02
[41] 2013-05-10
[62] 2,873,413
[30] US (61/554,928) 2011-11-02
[30] US (61/621,425) 2012-04-06

[21] **3,065,983**
[13] A1
[51] **Int.Cl. A61K 31/64 (2006.01) A61K 31/131 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **INHIBITORS OF NCCA-ATP CHANNELS FOR THERAPY**
[54] **INHIBITEURS DE CANAUX NC<SB>CA-ATP</SB> POUR THERAPIE**
[72] SIMARD, MARC J., US
[71] THE UNITED STATES OF AMERICA AS REPRESENTED BY THE DEPARTMENT OF VETERS AFFAIRS, US
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US
[22] 2008-06-20
[41] 2008-12-31
[62] 2,974,689
[30] US (60/945,825) 2007-06-22
[30] US (60/945,811) 2007-06-22
[30] US (60/945,636) 2007-06-22

[21] **3,065,994**
[13] A1
[25] EN
[54] **AUTOTITRATING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'AUTOTITRAGE**
[72] GRADON, LEWIS GEORGE, NZ
[72] WHITING, DAVID ROBIN, NZ
[72] GERRED, ANDREW GORDON, NZ
[72] SMITH, GREGORY MARTYN, NZ
[72] ANDERSON, FIONA ELIZABETH, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[22] 2005-08-06
[41] 2006-02-09
[62] 2,914,743
[30] US (60/599,356) 2004-08-06

[21] **3,066,017**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 1/34 (2006.01)**
[25] EN
[54] **METHODS OF TREATING NEPHROTIC SYNDROME**
[54] **METHODES DE TRAITEMENT DU SYNDROME NEPHROTIQUE**
[72] CHUGH, SUMANT, US
[71] CHUGH, SUMANT, US
[22] 2011-06-03
[41] 2011-12-08
[62] 2,801,770
[30] US (61/351,865) 2010-06-05
[30] US (13/152,169) 2011-06-02

[21] **3,066,050**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7125 (2006.01)**
[25] EN
[54] **MULTIPLE EXON SKIPPING COMPOSITIONS FOR DMD**
[54] **COMPOSITIONS A SAUTS D'EXONS MULTIPLES POUR LA DMD**
[72] SAZANI, PETER, US
[72] KOLE, RYSZARD, US
[71] SAREPTA THERAPEUTICS, INC., US
[22] 2009-10-23
[41] 2010-04-29
[62] 2,740,328
[30] US (61/108,416) 2008-10-24

[21] **3,066,140**
[13] A1
[51] **Int.Cl. E06B 9/68 (2006.01) E06B 9/322 (2006.01) H02K 7/14 (2006.01) H02P 7/00 (2016.01)**
[25] EN
[54] **DRIVE SYSTEM FOR WINDOW COVERING SYSTEM WITH CONTINUOUS CORD LOOP**
[54] **SYSTEME D'ENTRAINEMENT POUR SYSTEME DE COUVRE-FENETRE A BOUCLE DE CORDON CONTINU**
[72] PHAM, TRUNG DUC, CA
[72] CHENG, ALAN WING HOR, CA
[72] BISHARA, MARC RASHAD, CA
[71] AXIS LABS INC., CA
[22] 2015-11-04
[41] 2016-05-12
[62] 2,966,999
[30] CA (2870983) 2014-11-06
[30] US (62/166,484) 2015-05-26

[21] **3,066,151**
[13] A1
[25] EN
[54] **ROLLER CRUSHER HAVING AT LEAST ONE ROLLER COMPRISING A FLANGE**
[54] **BROYEUR A CYLINDRES PRESENTANT AU MOINS UN CYLINDRE COMPRENANT UNE JOUE**
[72] GRONVALL, LARS, SE
[71] METSO MINERALS (SWEDEN) AB, SE
[22] 2013-04-19
[41] 2013-10-24
[62] 2,870,044
[30] EP (12164950.3) 2012-04-20
[30] US (13/451,906) 2012-04-20

[21] **3,066,262**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/966 (2013.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR ENGAGING A VALVE PROSTHESIS WITH TISSUE**
[54] **PROCEDES ET APPAREIL POUR FAIRE COOPERER UNE PROTHESE DE VALVULE AVEC UN TISSU**
[72] LANE, RANDY MATTHEW, CA
[72] NYULI, COLIN A., CA
[72] MARKO, ALEXEI J., CA
[71] NEOVASC TIARA INC., CA
[22] 2013-02-13
[41] 2013-08-22
[62] 2,864,160
[30] US (61/598,626) 2012-02-14

[21] **3,066,269**
[13] A1
[51] **Int.Cl. A61L 31/12 (2006.01) D04H 3/16 (2006.01) A61F 2/02 (2006.01)**
[25] EN
[54] **BIOMEDICAL PATCHES WITH SPATIALLY ARRANGED FIBERS**
[54] **TIMBRES BIOMEDICAUX AVEC FIBRES DISPOSEES SPATIALEMENT**
[72] MACEWAN, MATTHEW R., US
[71] WASHINGTON UNIVERSITY, US
[22] 2012-09-21
[41] 2014-03-27
[62] 2,885,682

[21] **3,066,273**
[13] A1
[51] **Int.Cl. H04W 36/38 (2009.01) H04W 24/00 (2009.01) H04W 36/22 (2009.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR WIRELESS COMMUNICATION IN HETEROGENEOUS NETWORKS**
[54] **METHODES ET SYSTEMES DE COMMUNICATION SANS FIL DANS DES RESEAUX HETEROGENES**
[72] BONTU, CHANDRA SEKHAR, CA
[72] CAI, ZHIJUN, CA
[72] SONG, YI, CA
[71] BLACKBERRY LIMITED, CA
[22] 2013-04-03
[41] 2014-10-09
[62] 2,908,598

[21] **3,066,278**
[13] A1
[25] EN
[54] **TRANSMISSION METHOD, TRANSMISSION DEVICE, RECEPTION METHOD, AND RECEPTION DEVICE**
[54] **PROCEDE DE TRANSMISSION, DISPOSITIF DE TRANSMISSION, PROCEDE DE RECEPTION ET DISPOSITIF DE RECEPTION**
[72] MURAKAMI, YUTAKA, JP
[72] KIMURA, TOMOHIRO, JP
[72] OUCHI, MIKIHIRO, JP
[71] SUN PATENT TRUST, US
[22] 2011-10-17
[41] 2012-04-26
[62] 3,017,162
[30] JP (2010-234061) 2010-10-18
[30] JP (2010-275164) 2010-12-09

[21] **3,066,279**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C12N 5/071 (2010.01) C12N 5/09 (2010.01) C12Q 1/6809 (2018.01) C07K 7/06 (2006.01) C07K 14/705 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 5/00 (2006.01) C12N 5/16 (2006.01) C12N 15/12 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **NUCLEIC ACIDS AND CORRESPONDING PROTEINS ENTITLED 191P4D12(B) USEFUL IN TREATMENT AND DETECTION OF CANCER**
[54] **ACIDES NUCLEIQUES ET PROTEINES CORRESPONDANTES INTITULEES 191P4D12(B) UTILISES DANS LE TRAITEMENT ET LA DETECTION DU CANCER**
[72] RAITANO, ARTHUR B., US
[72] CHALLITA-EID, PIA, US
[72] JAKOBOVITS, AYA, US
[72] FARIS, MARY, US
[72] GE, WANGMAO, US
[71] AGENSYS, INC., US
[22] 2003-04-23
[41] 2004-02-26
[62] 2,493,923
[30] US (60/404,306) 2002-08-16
[30] US (60/423,290) 2002-11-01

[21] **3,066,306**
[13] A1
[51] **Int.Cl. A61F 2/82 (2013.01) A61F 2/856 (2013.01) A61F 2/06 (2013.01) A61F 2/24 (2006.01)**
[25] EN
[54] **DEVICE FOR ENDOVASCULAR AORTIC REPAIR AND METHOD OF USING THE SAME**
[54] **DISPOSITIF POUR UNE REPARATION AORTIQUE ENDOVASCULAIRE ET PROCEDE D'UTILISATION DU DISPOSITIF**
[72] UNKNOWN, XX
[71] AORTIC INNOVATIONS LLC, US
[22] 2012-12-06
[41] 2013-06-13
[62] 3,051,684
[30] US (61/567,458) 2011-12-06
[30] US (61/723,446) 2012-11-07

[21] **3,066,331**
[13] A1
[51] **Int.Cl. A61B 17/56 (2006.01) A61F 2/30 (2006.01) A61F 2/32 (2006.01) A61F 2/46 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **IMPLANTABLE LUBRICATION DEVICE AND METHOD OF TREATING A HUMAN OR MAMMAL PATIENT BY MEANS OF THE DEVICE**
[54] **DISPOSITIF DE LUBRIFICATION IMPLANTABLE ET METHODE DE TRAITEMENT D'UN PATIENT HUMAIN OU MAMMIFERE AU MOYEN DUDIT DISPOSITIF**
[72] FORSELL, PETER, CH
[71] MEDICALTREE PATENT LTD., MT
[22] 2010-07-12
[41] 2011-01-13
[62] 2,805,030
[30] SE (0900981-2) 2009-07-10
[30] SE (0900980-4) 2009-07-10
[30] SE (0900979-6) 2009-07-10
[30] SE (0900977-0) 2009-07-10
[30] SE (0900975-4) 2009-07-10
[30] SE (0900971-3) 2009-07-10
[30] SE (0900967-1) 2009-07-10
[30] SE (0900964-8) 2009-07-10
[30] SE (0900961-4) 2009-07-10
[30] SE (0900958-0) 2009-07-10
[30] SE (0900978-8) 2009-07-10
[30] SE (0900976-2) 2009-07-10
[30] SE (0900974-7) 2009-07-10
[30] SE (0900973-9) 2009-07-10
[30] SE (0900972-1) 2009-07-10
[30] SE (0900970-5) 2009-07-10
[30] SE (0900969-7) 2009-07-10
[30] SE (0900968-9) 2009-07-10
[30] SE (0900966-3) 2009-07-10
[30] SE (0900965-5) 2009-07-10
[30] SE (0900963-0) 2009-07-10
[30] SE (0900962-2) 2009-07-10
[30] SE (0900960-6) 2009-07-10
[30] SE (0900959-8) 2009-07-10
[30] SE (0900957-2) 2009-07-10
[30] US (61/229,816) 2009-07-30
[30] US (61/229,815) 2009-07-30
[30] US (61/229,811) 2009-07-30
[30] US (61/229,805) 2009-07-30
[30] US (61/229,802) 2009-07-30
[30] US (61/229,767) 2009-07-30
[30] US (61/229,733) 2009-07-30
[30] US (61/229,731) 2009-07-30
[30] US (61/229,730) 2009-07-30
[30] US (61/229,751) 2009-07-30
[30] US (61/229,748) 2009-07-30
[30] US (61/229,747) 2009-07-30
[30] US (61/229,746) 2009-07-30
[30] US (61/229,745) 2009-07-30
[30] US (61/229,743) 2009-07-30
[30] US (61/229,739) 2009-07-30
[30] US (61/229,738) 2009-07-30
[30] US (61/229,735) 2009-07-30
[30] US (61/229,796) 2009-07-30
[30] US (61/229,789) 2009-07-30
[30] US (61/229,786) 2009-07-30
[30] US (61/229,778) 2009-07-30
[30] US (61/229,761) 2009-07-30
[30] US (61/229,755) 2009-07-30
[30] US (61/229,752) 2009-07-30
[30] SE (PCT/SE2009/000502) 2009-11-24

[21] **3,066,367**
[13] A1
[51] **Int.Cl. A01K 1/12 (2006.01) A01J 5/00 (2006.01)**
[25] EN
[54] **SPACE DIVIDER OF A MILKING PARLOR ARRANGEMENT, AND MILKING PARLOR ARRANGEMENT**
[54] **PORTILLONS DE SEPARATION POUR UNE INSTALLATION DE TRAITE ET INSTALLATION DE TRAITE**
[72] KRONE, OTTO, DE
[72] HENSEL, DERK, DE
[72] MADER, THOMAS, DE
[72] TECKENTRUP, ROLF, DE
[72] HONSCHEID, ARMIN, DE
[72] HILLE, DIETER, DE
[72] WIETHOFF, MAGNUS, DE
[72] TROSSEHL, MARC, DE
[72] BALKENHOL, REINHARD, DE
[71] GEA FARM TECHNOLOGIES GMBH, DE
[22] 2013-03-14
[41] 2013-09-19
[62] 2,865,965
[30] DE (10 2012 102 132.5) 2012-03-14
[30] DE (10 2012 110 503.0) 2012-11-02

[21] **3,066,386**
[13] A1
[25] EN
[54] **CYLINDRICAL CARGO CONTAINER CONSTRUCTION**
[54] **CONSTRUCTION DE CONTENEUR DE FRET CYLINDRIQUE**
[72] KLOEPFER, MICHAEL, CA
[72] HOWDEN, TREVER LORNE, CA
[72] KLOEPFER, CHRISTOPHER HOWARD, CA
[71] TITAN TRAILERS INC., CA
[22] 2017-12-19
[41] 2018-06-28
[62] 3,039,568
[30] US (62/436,960) 2016-12-20
[30] US (62/562,001) 2017-09-22

[21] **3,066,390**
[13] A1
[25] EN
[54] **CYLINDRICAL CARGO CONTAINER CONSTRUCTION**
[54] **CONSTRUCTION DE CONTENEUR DE FRET CYLINDRIQUE**
[72] KLOEPFER, MICHAEL, CA
[72] HOWDEN, TREVER LORNE, CA
[72] KLOEPFER, CHRISTOPHER HOWARD, CA
[71] TITAN TRAILERS INC., CA
[22] 2017-12-19
[41] 2018-06-28
[62] 3,039,568
[30] US (62/436,960) 2016-12-20
[30] US (62/562,001) 2017-09-22

[21] **3,066,393**
[13] A1
[25] EN
[54] **CYLINDRICAL CARGO CONTAINER CONSTRUCTION**
[54] **CONSTRUCTION DE CONTENEUR DE FRET CYLINDRIQUE**
[72] KLOEPFER, MICHAEL, CA
[72] HOWDEN, TREVER LORNE, CA
[72] KLOEPFER, CHRISTOPHER HOWARD, CA
[71] TITAN TRAILERS INC., CA
[22] 2017-12-19
[41] 2018-06-28
[62] 3,039,568
[30] US (62/436,960) 2016-12-20
[30] US (62/562,001) 2017-09-22

[21] **3,066,397**
[13] A1
[25] EN
[54] **METHOD AND APPARATUS FOR RENDERING COLOR IMAGES**
[54] **PROCEDE PERMETTANT DE RESTITUER DES IMAGES EN COULEURS**
[72] BUCKLEY, EDWARD, US
[72] CROUNSE, KENNETH R., US
[72] TELFER, STEPHEN J., US
[72] SAINIS, SUNIL KRISHNA, US
[71] E INK CORPORATION, US
[22] 2018-03-02
[41] 2018-09-13
[62] 3,050,122
[30] US (62/467,291) 2017-03-06
[30] US (62/509,031) 2017-05-19
[30] US (62/509,087) 2017-05-20
[30] US (62/585,614) 2017-11-14
[30] US (62/585,761) 2017-11-14
[30] US (62/585,692) 2017-11-14
[30] US (62/591,188) 2017-11-27

[21] **3,066,401**
[13] A1
[25] EN
[54] **CYLINDRICAL CARGO CONTAINER CONSTRUCTION**
[54] **CONSTRUCTION DE CONTENEUR DE FRET CYLINDRIQUE**
[72] KLOEPFER, MICHAEL, CA
[72] HOWDEN, TREVER LORNE, CA
[72] KLOEPFER, CHRISTOPHER HOWARD, CA
[71] TITAN TRAILERS INC., CA
[22] 2017-12-19
[41] 2018-06-28
[62] 3,039,568
[30] US (62/436,960) 2016-12-20
[30] US (62/562,001) 2017-09-22

[21] **3,066,406**
[13] A1
[51] **Int.Cl. H04N 21/2383 (2011.01) H04N 21/2389 (2011.01) H04N 19/34 (2014.01)**
[25] EN
[54] **APPARATUS FOR GENERATING BROADCAST SIGNAL FRAME USING ENHANCED LAYER DUMMY VALUES AND METHOD USING THE SAME**
[54] **APPAREIL DE GENERATION D'UNE TRAME DE SIGNAUX DE DIFFUSION AU MOYEN DE VALEURS FICTIVES AMELIOREES ET METHODES EMPLOYANT LEDIT APPAREIL**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[72] HUR, NAM-HO, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[22] 2017-03-20
[41] 2017-09-24
[62] 2,961,381
[30] KR (10-2016-0035048) 2016-03-24
[30] KR (10-2017-0026924) 2017-03-02

[21] **3,066,413**
[13] A1
[51] **Int.Cl. G06T 7/194 (2017.01) G03B 15/08 (2006.01) G06F 3/14 (2006.01)**
[25] EN
[54] **BACKGROUND SEPARATED IMAGES FOR PRINT AND ON-LINE USE**
[54] **IMAGE SEPAREE DU FOND POUR IMPRESSION ET UTILISATION EN LIGNE**
[72] WILLIAMS, ROBERT C., US
[72] WHEELER, MATTHEW J., US
[72] KOONTZ, STEVEN R., US
[71] PC CONNECTION, INC., US
[22] 2007-09-05
[41] 2008-03-05
[62] 2,955,837
[30] US (60/824,571) 2006-09-05

[21] **3,066,420**
[13] A1
[51] **Int.Cl. B05C 5/00 (2006.01) B05C 21/00 (2006.01)**
[25] EN
[54] **DISPOSABLE SOAP DISPENSER**
[54] **DISTRIBUTEUR DE SAVON JETABLE**
[72] SCHALITZ, WILLIAM J., US
[72] VERMA, VISHAAL B., US
[71] SCHALITZ, WILLIAM J., US
[71] VERMA, VISHAAL B., US
[22] 2016-07-22
[41] 2017-01-26
[62] 2,993,318
[30] US (62/195,841) 2015-07-23

[21] **3,066,425**
[13] A1
[25] EN
[54] **FIREPLACE LATCH SYSTEM**
[54] **SYSTEME DE VERROU DE FOYER**
[72] BINZER, LOTHAR DAN, CA
[71] CANADIAN HEATING PRODUCTS INC., CA
[22] 2017-02-24
[41] 2018-08-24
[62] 2,958,977

[21] **3,066,426**
[13] A1
[51] **Int.Cl. A61K 31/5415 (2006.01) A61K 9/00 (2006.01) A61K 9/52 (2006.01) A61K 31/4196 (2006.01) A61P 25/06 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING AN ANTIEMETIC AND AN OPIOID ANALGESIC**
[54] **COMPOSITIONS PHARMACEUTIQUES RENFERMANT UN ANTIEMETIQUE ET UN ANALGESIQUE OPIOIDE**
[72] BOSSE, PAUL, US
[72] AMELING, JOHN, US
[72] SCHACHTEL, BERNARD, US
[72] TAKIGIKU, RAY, US
[71] CHARLESTON LABORATORIES, INC., US
[22] 2009-01-09
[41] 2009-07-16
[62] 2,905,541
[30] US (61/020,139) 2008-01-09
[30] US (61/043,037) 2008-04-07
[30] US (61/060,758) 2008-06-11

[21] **3,066,428**
[13] A1
[25] EN
[54] **A METHOD OF DETECTING AND/OR IDENTIFYING ADENO-ASSOCIATED VIRUS (AAV) SEQUENCES AND ISOLATING NOVEL SEQUENCES IDENTIFIED THEREBY**
[54] **METHODE DE DETECTION ET/OU D'IDENTIFICATION DE SEQUENCES DE VIRUS ASSOCIES AUX ADENOVIRUS (AAV) ET D'ISOLATION DE NOUVELLES SEQUENCES AINSI IDENTIFIEES**
[72] GAO, GUANGPING, US
[72] WILSON, JAMES M., US
[72] ALVIRA, MAURICIO R., US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[22] 2002-11-12
[41] 2003-05-22
[62] 2,945,734
[30] US (60/350,607) 2001-11-13
[30] US (60/341,117) 2001-12-17
[30] US (60/377,066) 2002-05-01
[30] US (60/386,675) 2002-06-05

[21] **3,066,430**
[13] A1
[25] EN
[54] **HVAC CONTROLLER WITH USER-FRIENDLY INSTALLATION FEATURES FACILITATING BOTH DO-IT-YOURSELF AND PROFESSIONAL INSTALLATION SCENARIOS**
[54] **CONTROLEUR CVCA PRESENTANT DES CARACTERISTIQUES D'INSTALLATION CONVIVIALES FAVORISANT A LA FOIS DES SCENARIOS D'INSTALLATION DU TYPE BRICOLAGE ET PROFESSIONNELS**
[72] STEFANSKI, MARK D., US
[72] SLOO, DAVID, US
[72] MATSUOKA, YOKY, US
[71] GOOGLE LLC, US
[22] 2012-09-30
[41] 2013-04-11
[62] 2,851,367
[30] US (13/269,501) 2011-10-07
[30] US (61/627,996) 2011-10-21

[21] **3,066,436**
[13] A1
[25] EN
[54] **A METHOD FOR PREPARING AN AGROBACTERIUM CELL SUSPENSION FOR INOCULATING AN EXPLANT**
[54] **UNE METHODE DE PREPARATION D'UNE SUSPENSION DE CELLULE D'AGROBACTERIUM EN VUE DE L'INOCULATION A UN EXPLANT**
[72] AKULA, ANISHA, US
[72] DUNCAN, DAVID R., US
[72] LOWE, BRENDA, US
[72] MANN, MICHAEL T., US
[72] PETERSEN, WILLIAM L., US
[72] ROUT, JYOTI R., US
[72] SONGSTAD, DAVID D., US
[72] WILKS, JOEL B., US
[72] ZHANG, WANGGEN, US
[71] MONSANTO TECHNOLOGY LLC, US
[22] 2007-08-31
[41] 2008-03-06
[62] 2,973,552
[30] US (60/841,519) 2006-08-31

[21] **3,066,442**
[13] A1
[25] EN
[54] **METHOD AND APPARATUS FOR THREAT IDENTIFICATION THROUGH ANALYSIS OF COMMUNICATIONS SIGNALING, EVENTS, AND PARTICIPANTS**
[54] **PROCEDE ET APPAREIL D'IDENTIFICATION DE MENACE PAR ANALYSE DE PARTICIPANTS, D'EVENEMENTS ET DE SIGNALISATION DE COMMUNICATIONS**
[72] DOUGLAS, LANCE, US
[71] PINDROP SECURITY, INC., US
[22] 2017-08-02
[41] 2018-02-08
[62] 3,032,817
[30] US (62/370,105) 2016-08-02
[30] US (15/666,917) 2017-08-02

[21] **3,066,453**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **MODIFIED ANTIBODY CONSTANT REGION**
[54] **REGION CONSTANTE D'ANTICORPS MODIFIE**
[72] IGAWA, TOMOYUKI, JP
[72] SHIRAIWA, HIROTAKE, JP
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[22] 2008-09-26
[41] 2009-04-02
[62] 2,978,687
[30] JP (2007-250147) 2007-09-26

[21] **3,066,572**
[13] A1
[25] EN
[54] **METHOD FOR THE SYNTHESIS OF A BIFUNCTIONAL COMPLEX**
[54] **METHODE DE SYNTHESE D'UN COMPLEXE BIFONCTIONNEL**
[72] FRESKGARD, PER-OLA, DK
[72] FRANCH, THOMAS, DK
[72] GOULIAEV, ALEX HAAR, DK
[72] LUNDORF, MIKKEL DYBRO, DK
[72] FELDING, JAKOB, DK
[72] OLSEN, EVA KAMPMANN, DK
[72] HOLTMANN, ANETTE, DK
[72] JAKOBSEN, SOREN NYBOE, DK
[72] SAMS, CHRISTIAN, DK
[72] GLAD, SANNE SCHRODER, DK
[72] JENSEN, KIM BIRKEBAEK, DK
[72] PEDERSEN, HENRIK, DK
[71] NUEVOLUTION A/S, DK
[22] 2003-10-30
[41] 2004-05-13
[62] 2,544,153
[30] US (60/422,167) 2002-10-30
[30] DK (PA 2002 01652) 2002-10-30
[30] US (60/434,425) 2002-12-19
[30] DK (PA 2002 01955) 2002-12-19
[30] US (60/486,199) 2003-07-11
[30] DK (PA 2003 01064) 2003-07-11

[21] **3,066,588**
[13] A1
[51] **Int.Cl. A61K 31/232 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING AND/OR PREVENTING CARDIOVASCULAR DISEASE**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT ET/OU LA PREVENTION DE MALADIES CARDIO-VASCULAIRES**
[72] ROWE, JONATHAN, US
[71] AMARIN PHARMACEUTICALS IRELAND LIMITED, US
[22] 2011-03-04
[41] 2011-09-09
[62] 3,043,081
[30] US (61/310,443) 2010-03-04

[21] **3,066,594**
[13] A1
[25] EN
[54] **MICROENCAPSULATION OF CELLS IN HYDROGELS USING ELECTROSTATIC POTENTIALS**
[54] **MICROENCAPSULATION DE CELLULES DANS DES HYDROGELS A L'AIDE DE POTENTIELS ELECTROSTATIQUES**
[72] BOYAN, BARBARA DALE, US
[72] KINNEY, RAMSEY CHRISTIAN, US
[72] SCHWARTZ, ZVI, US
[71] GEORGIA TECH RESEARCH CORPORATION, US
[22] 2005-10-07
[41] 2006-04-20
[62] 2,583,308
[30] US (60/617,560) 2004-10-08

[21] **3,066,596**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C07K 14/015 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/12 (2006.01) C12N 15/35 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **CNS TARGETING AAV VECTORS AND METHODS OF USE THEREOF**
[54] **VECTEURS AAV CIBLANT LE SYSTEME NERVEUX CENTRAL ET LEURS PROCEDES D'UTILISATION**
[72] GAO, GUANGPING, US
[72] ZHANG, HONGWEI, US
[72] WANG, HONGYAN, US
[72] XU, ZUOSHANG, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[22] 2011-04-22
[41] 2011-10-27
[62] 2,833,908
[30] US (61/327,627) 2010-04-23

[21] **3,066,597**
[13] A1
[25] EN
[54] **NODE-ENABLED DELIVERY NOTIFICATION USING ELEMENTS OF A WIRELESS NODE NETWORK**
[54] **NOTIFICATION DE LIVRAISON ACTIVEE PAR UN N.UD AU MOYEN D'ELEMENTS D'UN RESEAU A N.UDS SANS FIL**
[72] SKAAKSRUD, OLE-PETTER, US
[71] FEDEX CORPORATE SERVICES, INC., US
[22] 2015-05-28
[41] 2015-12-03
[62] 2,949,285
[30] US (62/003,566) 2014-05-28

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

[21] **3,066,614**
[13] A1
[51] **Int.Cl. G09G 3/34 (2006.01) G02F 1/167 (2019.01)**
[25] EN
[54] **METHODS FOR DRIVING ELECTRO-OPTIC DISPLAYS**
[54] **PROCEDES DE COMMANDE D'AFFICHAGES ELECTRO-OPTIQUES**
[72] AMUNDSON, KARL RAYMOND, US
[72] APREA, MATTHEW J., US
[72] CROUNSE, KENNETH R., US
[72] HARRINGTON, DEMETRIOUS MARK, US
[72] LIN, JASON, US
[72] SJODIN, THEODORE A., US
[72] SU, CHIA-CHEN, US
[71] E INK CORPORATION, US
[22] 2013-01-31
[41] 2013-08-08
[62] 2,946,099
[30] US (61/593,361) 2012-02-01

[21] **3,066,615**
[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01)**
[25] EN
[54] **LOCKING DEVICE WITH CONFIGURABLE ELECTRICAL CONNECTOR KEY AND INTERNAL CIRCUIT BOARD FOR ELECTRONIC DOOR LOCKS**
[54] **DISPOSITIF DE BLOCAGE DOTE D'UNE CLE DE CONNECTEUR ELECTRIQUE CONFIGURABLE ET CARTE DE CIRCUIT INTERNE DESTINEE A DES VERROUS DE PORTE ELECTRONIQUES**
[72] LOWDER, SCOTT B., US
[71] SARGENT MANUFACTURING COMPANY, US
[22] 2016-02-11
[41] 2016-08-13
[62] 2,920,552
[30] US (14/622,200) 2015-02-13

[21] **3,066,755**
[13] A1
[51] **Int.Cl. G01R 33/56 (2006.01) G01R 33/36 (2006.01)**
[25] EN
[54] **NOISE SUPPRESSION METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL DE SUPPRESSION DE BRUIT**
[72] REARICK, TODD, US
[72] CHARVAT, GREGORY L., US
[72] ROSEN, MATTHEW, SCOT, US
[72] ROTHBERG, JONATHAN M., US
[71] HYPERFINE RESEARCH, INC., US
[22] 2015-09-04
[41] 2016-03-10
[62] 2,960,178
[30] US (62/046,814) 2014-09-05
[30] US (62/110,049) 2015-01-30
[30] US (62/111,320) 2015-02-03
[30] US (62/174,666) 2015-06-12

[21] **3,066,766**
[13] A1
[51] **Int.Cl. A61F 2/38 (2006.01)**
[25] EN
[54] **PARTIAL UNICOMPARTMENTAL SYSTEM FOR PARTIAL KNEE REPLACEMENT**
[54] **SYSTEME UNICOMPARTIMENTAL PARTIEL POUR REMPLACEMENT DE GENOU PARTIEL**
[72] NOCCO, EMANUELE, US
[72] LINDER-GANZ, ERAN, IL
[71] ACTIVE IMPLANTS LLC, US
[22] 2016-01-21
[41] 2016-07-28
[62] 2,974,516
[30] US (62/106,091) 2015-01-21

[21] **3,066,785**
[13] A1
[51] **Int.Cl. C07H 19/06 (2006.01) C12N 15/115 (2010.01) C07H 19/10 (2006.01) C07H 21/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **5-POSITION MODIFIED PYRIMIDINES AND THEIR USE**
[54] **PYRIMIDINES MODIFIEES EN POSITION 5 ET LEUR UTILISATION**
[72] ROHLOFF, JOHN, US
[72] JANJIC, NEBOJSA, US
[72] CARTER, JEFFREY D., US
[72] FOWLER, CATHERINE, US
[71] SOMALOGIC, INC., US
[22] 2011-04-12
[41] 2011-10-20
[62] 2,797,188
[30] US (61/323,145) 2010-04-12

[21] **3,066,792**
[13] A1
[51] **Int.Cl. A61K 39/095 (2006.01) A61K 39/385 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **NEISSERIA MENINGITIDIS COMPOSITIONS AND METHODS THEREOF**
[54] **COMPOSITIONS DE NEISSERIA MENINGITIDIS ET PROCEDES ASSOCIES**
[72] ANDERSON, ANNALIESA SYBIL, US
[72] HOISETH, SUSAN KAY, US
[72] JANSEN, KATHRIN UTE, US
[72] MORAN, JUSTIN KEITH, US
[72] RUPPEN, MARK E., US
[71] PFIZER INC., US
[22] 2013-03-06
[41] 2013-09-12
[62] 2,960,030
[30] US (61/609,257) 2012-03-09

[21] **3,066,801**
[13] A1
[51] **Int.Cl. F16L 17/025 (2006.01) F16L 17/04 (2006.01) F16L 19/04 (2006.01) F16L 19/065 (2006.01)**
[25] EN
[54] **COUPLING**
[54] **DISPOSITIF D'ACCOUPLEMENT**
[72] BEAGEN, JOSEPH WILLIAM, JR., US
[71] ANVIL INTERNATIONAL, LLC, US
[22] 2012-05-07
[41] 2013-07-20
[62] 3,020,576
[30] US (13/354,470) 2012-01-20
[30] US (13/354,466) 2012-01-20
[30] US (13/354,464) 2012-01-20
[30] US (13/354,459) 2012-01-20

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[21] **3,066,806**
[13] A1
[25] EN
[54] **SUBSTANTIALLY PURE HUMAN RETINAL PROGENITOR, FOREBRAIN PROGENITOR, AND RETINAL PIGMENT EPITHELIUM CELL CULTURES AND METHODS OF MAKING THE SAME**
[54] **PROGENITEUR RETINIEN HUMAIN SENSIBLEMENT PUR, PROGENITEUR DE CERVEAU ANTERIEUR, ET CULTURES DE CELLULES D'EPITHELIUM PIGMENTAIRE RETINIEN ET LEURS PROCEDES DE FABRICATION**
[72] GAMM, DAVID M., US
[72] MEYER, JASON S., US
[71] WISCONSIN ALUMINI RESEARCH FOUNDATION, US
[22] 2010-08-24
[41] 2011-03-10
[62] 2,771,901
[30] US (61/274,962) 2009-08-24

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[21] **3,066,814**
[13] A1
[51] **Int.Cl. A61B 50/30 (2016.01) A61B 17/86 (2006.01) A61C 8/00 (2006.01) A61C 19/02 (2006.01)**
[25] EN
[54] **PACKAGING FOR AN OBJECT AND SET COMPRISING SUCH PACKAGING**
[54] **EMBALLAGE POUR OBJET ET ENSEMBLE COMPRENANT UN TEL EMBALLAGE**
[72] RICHART, OLIVIER, FR
[71] DEPUY SYNTHES PRODUCTS, INC., US
[22] 2011-04-22
[41] 2011-11-03
[62] 2,795,463
[30] FR (1053191) 2010-04-27

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[21] **3,066,834**
[13] A1
[25] EN
[54] **NEEDLE SHIELDING ASSEMBLIES AND INFUSION DEVICES FOR USE THEREWITH**
[54] **ENSEMBLES DE PROTECTION D'AIGUILLE ET DISPOSITIFS DE PERFUSION A UTILISER AVEC CEUX-CI**
[72] BENE, ERIC, US
[72] SEARLE, GARY, US
[72] RICHARDS, STEPHEN, US
[72] POLITIS, VICTOR, US
[72] SONDEREGGER, RALPH, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2012-12-07
[41] 2013-06-13
[62] 3,012,939
[30] US (61/568,074) 2011-12-07
[30] US (61/692,985) 2012-08-24

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[21] **3,066,835**
[13] A1
[51] **Int.Cl. A61M 5/158 (2006.01) A61M 5/162 (2006.01) A61M 5/32 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **NEEDLE SHIELDING ASSEMBLIES AND INFUSION DEVICES FOR USE THEREWITH**
[54] **ENSEMBLES DE PROTECTION D'AIGUILLE ET DISPOSITIFS DE PERFUSION A UTILISER AVEC CEUX-CI**
[72] SONDEREGGER, RALPH, US
[72] POLITIS, VICTOR, US
[72] RICHARDS, STEPHEN, US
[72] SEARLE, GARY, US
[72] BENE, ERIC, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2012-12-07
[41] 2013-06-13
[62] 3,012,939
[30] US (61/568,074) 2011-12-07
[30] US (61/692,985) 2012-08-24

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[21] **3,066,837**
[13] A1
[25] EN
[54] **AUTO-USER REGISTRATION AND UNLOCKING OF A COMPUTING DEVICE**
[54] **ENREGISTREMENT AUTOMATIQUE D'UTILISATEUR ET DEVERROUILLAGE D'UN DISPOSITIF INFORMATIQUE**
[72] BALFANZ, DIRK, US
[72] CIVELLI, JAY PIERRE, US
[72] CZESKIS, ALEXEI, US
[72] FUCCI, MARCO, US
[72] LEVIN, MICHAL, US
[72] LIU, KAN, US
[72] SHAH, NISHIT, US
[72] WOODWARD, JOSHUA, US
[71] GOOGLE LLC, US
[22] 2015-04-14
[41] 2015-10-22
[62] 2,945,059
[30] US (61/980,013) 2014-04-15
[30] US (14/609,407) 2015-01-29

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

[21] **3,066,966**
[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01) A61F 9/007 (2006.01)**
[25] EN
[54] **CARTRIDGE FOR INTRAOCULAR LENS INJECTOR PROVIDING HAPTIC CONTROL**
[54] **CARTOUCHE DESTINEE A UN INJECTEUR DE LENTILLE INTRAOCULAIRE FOURNISSANT UN REGLAGE HAPTIQUE**
[72] VALLE, MOISES, US
[72] BELCHER, NATHAN, US
[72] MUCHHALA, SUSHANT, US
[72] SEO, WILL, US
[72] AYYAGARI, MADHU, US
[71] BAUSCH & LOMB INCORPORATED, US
[22] 2013-11-08
[41] 2014-05-15
[62] 2,891,063
[30] US (13/673,330) 2012-11-09

[21] **3,066,981**
[13] A1
[51] **Int.Cl. A61K 38/04 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 14/705 (2006.01) C07K 14/715 (2006.01)**
[25] EN
[54] **INTERLEUKIN-13 RECEPTOR ALPHA 2 PEPTIDE-BASED BRAIN CANCER VACCINES**
[54] **VACCINS CONTRE LE CANCER DU CERVEAU A BASE DE PEPTIDES ALPHA-2 DU RECEPTEUR DE L'INTERLEUKINE 13**
[72] OKADA, HIDEHO, US
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATN, US
[22] 2011-08-23
[41] 2012-03-01
[62] 2,809,362
[30] US (61/376,582) 2010-08-24

[21] **3,067,008**
[13] A1
[51] **Int.Cl. A61K 31/232 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **METHODS OF REDUCING THE RISK OF A CARDIOVASCULAR EVENT IN A SUBJECT ON STATIN THERAPY**
[54] **PROCEDES DE REDUCTION DU RISQUE D'UN EVENEMENT CARDIOVASCULAIRE CHEZ UN SUJET SOUMIS A UN TRAITEMENT PAR UNE STATINE**
[72] SONI, PARESH, US
[71] AMARIN PHARMACEUTICALS IRELAND LIMITED, IE
[22] 2013-06-28
[41] 2014-01-03
[62] 2,877,514
[30] US (61/666,447) 2012-06-29

[21] **3,067,012**
[13] A1
[51] **Int.Cl. A61K 31/232 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **METHODS OF REDUCING THE RISK OF A CARDIOVASCULAR EVENT IN A SUBJECT ON STATIN THERAPY**
[54] **PROCEDES DE REDUCTION DU RISQUE D'UN EVENEMENT CARDIOVASCULAIRE CHEZ UN SUJET SOUMIS A UN TRAITEMENT PAR UNE STATINE**
[72] SONI, PARESH, US
[71] AMARIN PHARMACEUTICALS IRELAND LIMITED, IE
[22] 2013-06-28
[41] 2014-01-03
[62] 2,877,514
[30] US (61/666,447) 2012-06-29

[21] **3,067,107**
[13] A1
[25] EN
[54] **MARKERS FOR RENAL DISEASE**
[54] **MARQUEURS DE NEPHROPATHIES**
[72] YERRAMILLI, MAHALAKSHMI, US
[72] ATKINSON, MICHAEL RANDOLPH, US
[72] YERRAMILLI, MURTHY V. S. N., US
[71] IDEXX LABORATORIES, INC., US
[22] 2011-06-03
[41] 2011-12-08
[62] 2,799,536
[30] US (61/351,183) 2010-06-03
[30] US (61/411,280) 2010-11-08

[21] **3,067,153**
[13] A1
[25] EN
[54] **CLICK BASED TRADING WITH INTUITIVE GRID DISPLAY OF MARKET DEPTH**
[54] **TRANSACTION DECLENCHEE PAR UN CLIC AVEC AFFICHAGE INTUITIF DE GRILLE DE PROFONDEUR DE MARCHE**
[72] KEMP, GARY ALLAN, US
[72] SCHLUETTER, JENS-UWE, US
[72] BRUMFIELD, HARRIS, US
[71] TRADING TECHNOLOGIES INTERNATIONAL, INC., US
[22] 2001-03-02
[41] 2001-09-07
[62] 3,053,701
[30] US (60/186,322) 2000-03-02
[30] US (09/590,692) 2000-06-09

[21] **3,067,155**
[13] A1
[51] **Int.Cl. G10L 19/022 (2013.01) G10L 19/038 (2013.01) G10L 19/26 (2013.01) G10L 21/038 (2013.01) G10L 19/02 (2013.01) G10L 21/04 (2013.01)**
[25] EN
[54] **CROSS PRODUCT ENHANCED SUBBAND BLOCK BASED HARMONIC TRANSPOSITION**
[54] **TRANSPOSITION HARMONIQUE A BASE DE BLOC DE SOUS-BANDE A PRODUIT D'INTERMODULATION AMELIORE**
[72] VILLEMOES, LARS, SE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2011-09-05
[41] 2012-03-22
[62] 3,043,428
[30] US (61/383441) 2010-09-16
[30] US (61/419164) 2010-12-02

[21] **3,067,160**
[13] A1
[25] EN
[54] **SPARSE MAP FOR AUTONOMOUS VEHICLE NAVIGATION**
[54] **CARTE EPARSE POUR LA NAVIGATION D'UN VEHICULE AUTONOME**
[72] SHASHUA, AMNON, IL
[72] GDALYAHU, YORAM, IL
[72] SPRINGER, OFER, IL
[72] REISMAN, ARAN, IL
[72] BRAUNSTEIN, DANIEL, IL
[72] BUBERMAN, ORI, IL
[72] SHALEV-SHWARTZ, SHAI, IL
[72] TAIEB, YOAV, IL
[72] TUBIS, IGOR, IL
[72] HUBERMAN, DAVID, IL
[72] BELLAICHE, LEVI, IL
[72] STEIN, GIDEON, IL
[72] FERENCZ, ANDRAS, IL
[72] HAYON, GABY, IL
[72] RUBINSKY, SERGEY, IL
[72] AVIEL, YUVAL, IL
[71] MOBILEYE VISION TECHNOLOGIES LTD., IL
[22] 2016-02-10
[41] 2016-08-18
[62] 2,976,344
[30] US (62/114,091) 2015-02-10
[30] US (62/164,055) 2015-05-20
[30] US (62/170,728) 2015-06-04
[30] US (62/181,784) 2015-06-19
[30] US (62/192,576) 2015-07-15
[30] US (62/215,764) 2015-09-09
[30] US (62/219,733) 2015-09-17
[30] US (62/261,578) 2015-12-01
[30] US (62/261,598) 2015-12-01
[30] US (62/267,643) 2015-12-15
[30] US (62/269,818) 2015-12-18
[30] US (62/270,408) 2015-12-21
[30] US (62/270,431) 2015-12-21
[30] US (62/270,418) 2015-12-21
[30] US (62/271,103) 2015-12-22
[30] US (62/274,883) 2016-01-05
[30] US (62/275,046) 2016-01-05
[30] US (62/275,007) 2016-01-05
[30] US (62/274,968) 2016-01-05
[30] US (62/277,068) 2016-01-11

[21] **3,067,170**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR PROFILING A USER**
[54]
[72] O'SULLIVAN, KEVIN, GB
[72] CHEIKH, STEPHANE, FR
[71] SITA INFORMATION NETWORKING COMPUTING USA, INC., US
[22] 2013-02-08
[41] 2013-08-15
[62] 2,863,780
[30] US (61/596,980) 2012-02-09
[30] GB (1220976.3) 2012-11-21

[21] **3,067,177**
[13] A1
[25] EN
[54] **SPARSE MAP FOR AUTONOMOUS VEHICLE NAVIGATION**
[54] **CARTE EPARSE POUR LA NAVIGATION D'UN VEHICULE AUTONOME**
[72] SHASHUA, AMNON, IL
[72] GDALYAHU, YORAM, IL
[72] SPRINGER, OFER, IL
[72] REISMAN, ARAN, IL
[72] BRAUNSTEIN, DANIEL, IL
[72] BUBERMAN, ORI, IL
[72] SHALEV-SHWARTZ, SHAI, IL
[72] TAIEB, YOAV, IL
[72] TUBIS, IGOR, IL
[72] HUBERMAN, DAVID, IL
[72] BELLAICHE, LEVI, IL
[72] STEIN, GIDEON, IL
[72] FERENCZ, ANDRAS, IL
[72] HAYON, GABY, IL
[72] RUBINSKY, SERGEY, IL
[72] AVIEL, YUVAL, IL
[71] MOBILEYE VISION TECHNOLOGIES LTD., IL
[22] 2016-02-10
[41] 2016-08-18
[62] 2,976,344
[30] US (62/114,091) 2015-02-10
[30] US (62/164,055) 2015-05-20
[30] US (62/170,728) 2015-06-04
[30] US (62/181,784) 2015-06-19
[30] US (62/192,576) 2015-07-15
[30] US (62/215,764) 2015-09-09
[30] US (62/219,733) 2015-09-17
[30] US (62/261,578) 2015-12-01
[30] US (62/261,598) 2015-12-01
[30] US (62/267,643) 2015-12-15
[30] US (62/269,818) 2015-12-18
[30] US (62/270,408) 2015-12-21
[30] US (62/270,431) 2015-12-21
[30] US (62/270,418) 2015-12-21
[30] US (62/271,103) 2015-12-22
[30] US (62/274,883) 2016-01-05
[30] US (62/275,046) 2016-01-05
[30] US (62/275,007) 2016-01-05
[30] US (62/274,968) 2016-01-05
[30] US (62/277,068) 2016-01-11

[21] **3,067,210**
[13] A1
[51] **Int.Cl. C08L 101/00 (2006.01) B27N 1/02 (2006.01) C03C 27/10 (2006.01) C04B 41/83 (2006.01) C08J 5/12 (2006.01)**
[25] EN
[54] **BINDERS AND MATERIALS MADE THEREWITH**
[54] **LIANTS ET SUBSTANCES CONCUES AU MOYEN DE CEUX-CI**
[72] SWIFT, BRIAN LEE, US
[72] XU, RUIJIAN, US
[72] KISSELL, RONALD E., US
[71] KNAUF INSULATION GMBH, US
[22] 2006-07-26
[41] 2007-02-01
[62] 2,615,780
[30] US (60/702,456) 2005-07-26
[30] US (60/743,071) 2005-12-22

[21] **3,067,239**
[13] A1
[25] EN
[54] **TRAILER STABILIZER AND LEVELER**
[54] **APPAREIL DE STABILISATION ET MISE A NIVEAU DE REMORQUE**
[72] KIMENER, THOMAS TERRANCE, US
[71] STABILOCK, LLC, US
[22] 2015-06-18
[41] 2015-12-19
[62] 2,894,807
[30] US (62/014,387) 2014-06-19

[21] **3,067,240**
[13] A1
[25] EN
[54] **No Title Specified**
[54]
[72] BECKMAN, BRIAN C., US
[72] GREEN, SCOTT A., US
[72] ISAACS, SCOTT, US
[72] KIMCHI, GUR, US
[72] SCHAFFALITZKY, FREDERIK, US
[72] NAVOT, AMIR, US
[71] AMAZON TECHNOLOGIES, INC., US
[22] 2015-03-19
[41] 2015-10-01
[62] 2,943,233
[30] US (14/225,161) 2014-03-25

[21] **3,067,501**
[13] A1
[25] EN
[54] **BINDING MACHINE**
[54] **LIEUSE**
[72] NAGAOKA, TAKAHIRO, JP
[72] KASAHARA, AKIRA, JP
[71] MAX CO., LTD., JP
[22] 2016-07-21
[41] 2017-01-26
[62] 2,990,151
[30] JP (2015-145263) 2015-07-22
[30] JP (2016-136070) 2016-07-08
[30] JP (2016-135748) 2016-07-08

Index of Canadian Patents Issued

February 11, 2020

Index des brevets canadiens délivrés

11 février 2020

ABB SCHWEIZ AG 3,046,424
ABLYNX N.V. 2,759,370
ABOU ARBID, SILIA 2,941,188
ADAMS, KENNETH W. 2,957,309
ADAMS, STEPHEN R. 3,014,814
ADRIAN STEEL COMPANY 2,990,827
ADVERIO PHARMA GMBH 2,955,143
AFINITI EUROPE TECHNOLOGIES LIMITED 3,004,212
AITKEN, CHARLES 2,926,962
AL-KOFAHI, KHALID 2,807,494
ALES, MATTHEW W 2,855,084
ALFORD, ROBERT LOUIS 3,047,767
ALLEMAND, SIMON 2,892,446
AMARIN PHARMACEUTICALS IRELAND LIMITED 3,043,081
AMAZON TECHNOLOGIES, INC. 2,980,171
AMELING, JOHN 2,905,541
ANDERSSON, CLAES 2,890,358
ANNABI, BORHANE 3,006,313
ANVARI, MEHRAN 2,901,359
ANVIL INTERNATIONAL, LLC 2,776,206
APEXIGEN, INC. 2,834,404
ARBUTUS BIOPHARMA CORPORATION 2,984,026
ARCHER, BOBY O. 3,018,688
ARENS, KLAUS 3,052,217
ARGENTO, ALAN 2,912,686
ASTI, ANTONIO 2,830,796
ASTRA CAPITAL INCORPORATED 2,975,117
ATMOSPHERIC & SPACE TECHNOLOGY RESEARCH ASSOCIATES, LLC 2,977,771
ATOTECH DEUTSCHLAND GMBH 2,834,109
AURIANT, CHRISTOPHE 2,876,609
AUSTIN, GENE EDWARD 2,716,836
AUTRY, BRENDEN 2,926,962
AXIS LABS INC. 2,966,999
AXON ENTERPRISE, INC. 2,946,190
AZEEM, SYED IRFAN 2,977,771
BABCOCK & WILCOX CANADA LTD. 2,855,084
BACKER, SCOTT STEPHEN 3,037,136
BACKES, BRADLEY 3,033,850
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 2,884,855
BAGLEY, JUSTIN A. 2,935,376
BAHIRA, MERIEM 2,887,602
BAILEY, JEFFREY S. 3,018,688
BAIR, KENNETH W. 2,930,414
BARBANTI, ELENA 2,936,209
BARTON, MICHAEL A. 2,966,462
BASF SE 2,804,322
BASF SE 2,849,909
BATCHELOR, STANTON 2,973,975
BATNINI, ILLYES 2,858,159
BAUDOIN, REGIS 2,799,229
BAUDOUIN, BERNARD 2,857,275
BAUR, MARIUS 3,041,564
BAUSCH, MANFRED 3,041,564
BDARK HOLDINGS LTD. 2,990,800
BEAGEN, JOSEPH WILLIAM, JR. 2,776,206
BEAUCHAMP, PHILIPPE 2,884,684
BEJO ZADEN B.V. 2,919,129
BELIVEAU, RICHARD 3,006,313
BENHAR, ITAI 2,827,188
BENOIT, DANIELLE 2,972,694
BERGER, MARC 2,924,155
BERNSTEIN, IRWIN D. 2,858,069
BISHARA, MARC RASHAD 2,966,999
BITO, HARUHIKO 2,951,780
BOCA, REMUS 3,046,424
BOEHNKE, HARALD 2,804,322
BOITANO, ANTHONY E. 2,858,069
BOOTH, MICHAEL CHRISTOPHER 2,918,917
BOROVINOV, VALENTIN 2,735,457
BORTEY, ENOCH 2,816,416
BOSSE, PAUL 2,905,541
BOSTON SCIENTIFIC SCIMED, INC. 2,957,309
BOUTON, DIDIER 2,900,688
BOYLAN, COLM 2,901,359
BOZUNG, TIMOTHY J. 2,847,182
BRADSHAW, ROBERT 3,014,814
BRIDGESTONE CORPORATION 2,873,783
BROCHOT, CELINE 2,799,229
BROOKER, MARC JOHN 2,980,171
BROTHER KOGYO KABUSHIKI KAISHA 2,999,007
BROWN, DEREK A. 2,976,244
BRUNGARDT, CLEMENT L. 2,947,956
BURGER, KYLE D. 2,935,376
BWXT MPOWER, INC. 2,855,084
BYRNE, NORMAN R. 2,972,693
CAE HEALTHCARE CANADA INC. 3,000,164
CAE INC. 2,963,156
CANADIAN TIRE CORPORATION LIMITED 2,961,780
CANEVOTTI, RENATO 2,936,209
CAPITAL HARDWARE SUPPLY, LLC 2,860,339
CARIAGA, JUAN IGNACIO 2,792,222
CARON, FRANCOIS 3,000,164
CARONIA, PAUL J. 2,857,290
CARPENTER, SHELDON 2,803,305
CELLE, PIERRE 2,857,275
CELLTRION INC. 2,902,147
CENTRE FOR SURGICAL INVENTION & INNOVATION 2,901,359
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 2,799,229
CHAMBERS, CRAIG D. 3,014,814
CHAN, KI 3,009,933
CHANG, GORDON 2,816,164
CHANG, HEE-CHUL 2,866,377
CHANG, SHIN JAE 2,902,147
CHAO, SHENG 2,965,651
CHARFI, CYNDIA 3,006,313
CHARLESTON LABORATORIES, INC. 2,905,541
CHATURVEDI, PRAVIN 2,816,416
CHAUZY, JULIEN 2,906,159
CHECK-CAP LTD. 2,936,052
CHEN, BING 3,033,850
CHEN, JIANXIN 2,984,026
CHEN, LIPING 3,020,522
CHEN, ZHI CHENG 2,990,800
CHENG, ALAN WING HOR 2,966,999
CHERNOV, ILIA NIKOLAEVICH 3,056,219
CHEVRON U.S.A. INC. 2,738,122
CHIESI FARMACEUTICI S.P.A. 2,890,358
CHIKKARAJU, GURURAJU 2,957,309
CHISHOLM, JAMES 3,044,577
CHO, MYUNG SAM 2,902,147
CHOI, SANG 3,046,424
CHOI, SOONGYU 2,865,957
CHOU, LI-CHEN 2,963,390
CHU, MICHAEL S.H. 2,957,309
CHUNG, JING-GUNG 2,963,390
CHUTE, JERRED A. 2,956,633
CIUFOLINI, MARCO A. 2,984,026
CLARKE, JOHN T. 2,989,316
CLARKSON, HUGH 2,981,259
CNH INDUSTRIAL CANADA, LTD. 2,911,130
CNRS - CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (EPST) 2,892,446
COHERENT BIOPHARMA 2,987,322
COLE, GREGORY 3,046,424
COLLINS, SAMUEL JEFFERY 3,037,136

Index des brevets canadiens délivrés
11 février 2020

COLOPLAST A/S 2,874,284
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 2,858,159
CONANT, TYLER J. 2,946,190
CONNER, BRIAN JONATHAN 2,943,993
CONRAD, WAYNE ERNEST 2,953,105
CONTEMPORARY VISIONS, LLC 3,002,333
CONVERTINE, ANTHONY J. 2,972,694
COOK BIOTECH INCORPORATED 2,800,284
COOK MEDICAL TECHNOLOGIES LLC 2,800,284
COOKE, MICHAEL 2,858,069
COOLEY, ROY J. 2,887,602
CORSON, ANDREW 2,973,975
CORSON, MICHAEL 2,805,836
COTE, JOSHUA 2,911,130
CRAMER, TILL 2,926,705
CRAMPON, CEDRIC 2,906,159
CROOYMANS, BRENNAN 2,911,130
CROWLEY, GEOFFREY 2,977,771
CTB, INC. 2,848,093
CULLIS, PIETER R. 2,984,026
CURRIE, JEAN-CHRISTOPHE 3,006,313
CUSHING, SHARON 2,867,081
DAEWOONG PHARMACEUTICAL CO., LTD. 2,866,377
DAGRON, HERVE 2,870,618
DAI, JIAN 2,987,322
DAIICHI SANKYO EUROPE GMBH 2,865,256
DAILEY, JAMES S. 2,926,711
DANIELE KILLY, MARIA 3,020,806
DARBY, STUART 2,889,328
DASCANIO, GUSTAVO A. 2,918,659
DAVIDSON, KYLE 2,976,244
DE JONG, ELIZABETH ROSALIEN 2,919,129
DEAN, RICKY HOWARD 2,738,122
DEB IP LIMITED 2,900,688
DELANEY TECHNOLOGIES INC. 2,846,123
DELANEY, COLLEEN 2,858,069
DELANEY, FRANCOIS 2,846,123
DELELLIS, DAVID J. 3,004,212
DELTA FAUCET COMPANY 2,976,244
DEMATIC CORP. 2,922,678
DEMEULE, MICHEL 3,006,313
DEMOPOULOS, GEORGE 2,926,356
DEMOSS, DAVID 2,807,494
DEMPSEY, JAMES F. 2,760,053
DENIS, JOEL 2,911,130
DETERING, JUERGEN 2,926,711
DEVRIES, JEFFREY S. 2,922,678
DHAS, VIVEK V. 2,956,633
DIGNITY HEALTH 2,797,797
DIMITROV, ZHECHKO 2,834,704
DJAFER, MALIK 2,906,159
DOBRANOWSKI, JULIAN 2,901,359
DODDS, PAUL SAMUEL 2,900,688
DODGE, TRAVIS JAMES 2,966,462
DOKA NEWCON GMBH 2,986,073
DOLINSKIY, TARAS IVANOVICH 3,056,219
DONATI, GRAZIANO 2,859,966
DOSKOCIL MANUFACTURING COMPANY, INC. 2,935,376
DOUGLAS, LANCE 3,032,817
DOW GLOBAL TECHNOLOGIES LLC 2,857,290
DOYLE, PAUL F. 2,970,301
DRAPANAS, MARK T. 2,875,698
DUBOIS, MAXIME 2,884,684
DUFFY, ALLISON 2,961,780
DUFILHO, PAUL WILLIAM 2,903,761
DULY, TIMOTHY M. 2,977,771
DUMAS, MARC-EMMANUEL 2,799,229
DUNLOP, COLIN 2,859,684
DUVALL, CRAIG L. 2,972,694
DYE, JAMES L. 2,974,826
EAGAN, TIMOTHY P. 2,760,053
EAKINS, WILLIAM 3,046,424
EATON INTELLIGENT POWER LIMITED 2,874,635
ECOLAB USA INC. 2,926,711
ECOLE NORMALE SUPERIEURE DE LYON 2,799,229
EDWARDS, ERIC S. 2,825,600
EDWARDS, EVAN T. 2,825,600
EDWARDS, MICHAEL J. 2,855,084
EISAI, INC. 2,924,155
EMADI, ALI 2,911,274
EMMEL, UTE 2,855,565
ENEDYM INC. 2,911,274
ERIKSEN, ODD HARALD STEEN 2,997,479
ESCOLLE, MICHEL 2,887,777
ESTEYCO S.A.P. 2,811,853
ETHICON, LLC 2,973,975
F. HOFFMANN-LA ROCHE AG 2,865,957
FABER, HENRY B. 2,716,836
FABING, DANIEL 2,858,159
FARAVELLI, LAURA 2,936,209
FARRELL, DAVID J. 2,989,316
FEARNOT, NEAL E. 2,800,284
FEDDEMA, CHAD 3,008,954
FELDMANN, THOMAS 2,926,356
FERNANDEZ GOMEZ, MIGUEL ANGEL 2,811,853
FIELDING, TIMOTHY SCOTT 2,901,359
FILER, CRIST N. 2,802,735
FLAMAND, JEAN-SEBASTIEN 3,000,164
FLORA, MICHAEL 2,812,794
FOGH, JENS 2,890,358
FOLLMANN, MARKUS 2,955,143
FONTEM HOLDINGS 1 B.V. 2,989,580
FORBES, WILLIAM 2,816,416
FORMA THERAPEUTICS, INC. 2,930,414
FORTIER, PAUL HENRI 2,981,995
FORTIER, SIMON 2,981,995
FORTIER, SYLVAIN 2,981,995
FOURNIER, TOM 3,020,806
FRAHN, ANKE 3,018,688
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,977,842
FRED HUTCHINSON CANCER RESEARCH CENTER 2,858,069
FREIDING, MARKUS 2,874,284
FREIGHTCAR AMERICA, INC. 2,993,403
FU, KUN-MEI 2,992,878
FU, LIN 2,857,290
FU, YONGTAO 3,009,431
FUHLBRIGGE, THOMAS 3,046,424
GALL, ANNA 2,972,694
GALLI, RETO 2,951,316
GASKA, JOHN 3,022,969
GAZDA, MARK LAWRENCE 2,820,882
GEIGER, JURGEN 2,959,090
GENDREAU, VINCENT 3,022,306
GENERAL ELECTRIC COMPANY 2,803,305
GENERAL ELECTRIC COMPANY 2,918,917
GENOVA, PERRY A. 2,973,975
GERLINGS, PHILLIP 2,920,580
GERVAIS, JOEL 2,911,130
GHAHARY, AZIZ 2,914,261
GLAS, CORNELIS 2,919,129
GLOBAL HEAT TRANSFER ULC 3,022,969
GLOVER, IV, LOUIS CARLISLE 2,912,686
GODA, YUKIHIRO 3,058,888
GODDARD, JAMES M. 2,957,309
GOLDSMITH, JASON 2,965,651
GONITZKE, JONATHAN ROBERT 2,994,678
GOODRICH CORPORATION 2,997,479
GOOGLE LLC 2,943,993
GOOGLE LLC 3,014,814
GOZEN, ARIF OMER 2,873,783
GRABARSE, WOLFGANG 2,804,322
GRASSO, LUIGI 2,924,155
GROSCHE, PETER 2,959,090
GRUSIN, NATHANIEL K. 2,716,836
GUERNSEY, KEVIN W. 2,875,698
GULFSTREAM AEROSPACE CORPORATION 2,926,962
GULSTAD, PIA RINGHOLM 2,890,358
GUO, SHUWEN 2,997,479
GUO, TENG 2,911,274
HAARSMA, ADRIANA DORIEN 2,919,129
HAHN, MICHAEL 2,955,143
HAMADA, MAKOTO 2,880,165
HAMILTON SUNDSTRAND CORPORATION 2,805,833
HAMILTON SUNDSTRAND CORPORATION 2,805,836
HANCHETT, MARK A. 2,946,190
HAO, WENLI 3,009,431
HARDY, CRAIG 2,889,328
HARTMANN, PHILIP 2,834,109
HARTNIG, CHRISTOPH 2,855,565

HARTWELL, RYAN 2,914,261
HASOON, SALAH 2,936,052
HATTORI, YASUNORI 2,933,831
HAWKES, KIMBERLY 3,018,688
HEALTH EVER BIO-TECH CO., LTD. 2,583,658
HEE SOLAR, L.L.C. 2,956,633
HEILONGJIANG INSTITUTE OF GEOLOGICAL SCIENCES 3,009,431
HELLBERG SAFETY AB 2,877,033
HENNIG, JOCHEN 2,910,927
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, C. 2,812,794
HENRY, JAMES W. 2,911,130
HENRY, ROBERT R. 3,014,814
HEOTIS, CHARLES C. 2,716,836
HERBERTZ, TORSTEN 2,930,414
HERR, STEFAN 2,918,917
HETTMANN, THORE 2,865,256
HILES, MICHAEL C. 2,800,284
HILTI AKTIENGESELLSCHAFT 2,926,705
HIRATATE, AKIRA 2,880,165
HIRTH-DIETRICH, CLAUDIA 2,955,143
HJERTMAN, MAGNUS 2,890,358
HJORTH, DEREK 3,022,969
HO, CON-WAY 2,992,878
HOFBAUER, HERMANN 2,904,380
HOFFMAN, ALLAN S. 2,972,694
HOGGARTH, ANDREW 2,889,328
HOLLISTER INCORPORATED 2,989,316
HON, LIK 2,989,580
HONDA MOTOR CO., LTD. 2,960,170
HONDA MOTOR CO., LTD. 2,980,374
HONG, SEUNG SUH 2,902,147
HOPE, MICHAEL J. 2,984,026
HOSOI, MASAKI 2,960,170
HU, XINLI 2,987,322
HUANG, ANTHONY G. 2,946,190
HUANG, BAOHUA ROBERT 2,987,322
HUANG, CHI-HUNG 2,963,390
HUANG, LI-JIAU 2,963,390
HUAWEI TECHNOLOGIES CO., LTD. 2,959,090
HUDSON, EDISON T. 2,988,431
HUECK RHEINISCHE GMBH 2,865,974
HUGHES NETWORK SYSTEMS, LLC 3,020,522
HUGHES, CIAN 2,867,081
HUND, RENE 2,876,609
HURWITZ, JOEL 2,807,494
HYDEN, PIA 2,890,358
IGUCH, KAZUNARI 2,980,374
ILICHEV, ILIA SERGEEVICH 3,056,219
INOUE, MASATOSHI 2,951,780
INSTITUT NATIONAL DE L'ENVIRONNEMENT INDUSTRIEL ET DES RISQUES 2,799,229
IONIC SOLUTIONS LTD. 2,916,613
IRWIN, MICHAEL D. 2,956,633
ISEKI, TAKASHI 3,058,888
ISPAN SYSTEMS LP 2,950,219
ITO, YASUHIRO 3,035,505
JANKOWSKI, RONALD 2,800,284
JANNA, SIED W. 2,716,836
JAPAN SCIENCE AND TECHNOLOGY AGENCY 2,951,780
JARJOUR, RAMI 2,884,684
JEFFERS, JOHN 2,816,323
JIMENO CHUECA, JOSE EMILIO 2,811,853
JOHNSON, CHAD E. 2,800,284
JOHNSON, KENNETH DAVID 2,816,164
JOHNSON, PAUL 2,972,694
JONES, ANTHONY C. 2,805,833
JONES, STEPHEN 3,008,954
JONNIAUX, JEAN-LUC 2,759,370
JORDAN, RICHARD K. 2,887,602
JOSEPHSON, GREGORY P. 2,993,403
JOVANOVIC, ALEXA ROMA 2,963,763
KALAFUT, ROBERT L. 2,816,323
KALEO, INC. 2,825,600
KAMIMURA, NAOYA 2,999,007
KAMOSHIDA, SHINICHI 2,933,831
KAN, ITTAI 3,004,212
KANG, BOK-KI 2,866,377
KAPLAN, JEFFREY B. 2,511,103
KARP, GARY MITCHELL 2,865,957
KATO, SOTA 2,880,165
KAUFFMAN, GOSS STRYKER 2,930,414
KAWABE, KENICHI 2,880,165
KAWAKAMI, TOMOHIRO 2,980,374
KAY, STANLEY E. 3,020,522
KAYSER-BRICKER, KATHERINE J. 2,930,414
KENNAMETAL INC. 2,965,651
KENT, JOSEPH W. 2,935,376
KEUSGEN, WILHELM 2,977,842
KEYSER, YORK 2,934,056
KILANI, RUHANGIZ T. 2,914,261
KIM, JUN-KU 2,866,377
KIM, SUNG HWAN 2,902,147
KIM, WONSUK 2,912,686
KIMCHY, YOAV 2,936,052
KING, STEVEN 2,816,416
KINGMA, AREND JOUKE 2,926,711
KIPHART, ROGER STEVEN 2,848,093
KLEIN, MARCEL 2,992,395
KLEM, ROBERT CRAIG 2,972,693
KLOSTA, TOBIAS 3,052,217
KLUYTMANS, MARC PETER ELVIRA MARIA 2,824,893
KNIGHT, MATTHEW 2,981,259
KNORR, ANDREAS 2,955,143
KNOWLES, JAMES H. 2,816,164
KOBAYASHI, JUN-ICHI 3,058,888
KOCH, KEVIN 2,807,494
KOCH, UDO 2,816,323
KOEHLER, ERIC P. 2,887,602
KOIZUMI, CHIE 2,880,165
KORSHUNOV, ALEXEY OLEGOVICH 3,056,219
KOYAMA, HIROO 2,865,957
KRAUS, MICHAEL 2,944,050
KROLL, DANIEL JACOB 3,037,136
KUO, FU FENG 2,583,658
KUO, SHENG-CHU 2,963,390
KWON, KI SUNG 2,902,147
LABEUR, CHRISTINE 2,759,370
LAFARGE CANADA INC. 2,792,222
LAGACE, MICHEL 2,963,156
LAGUARDIA, TONY 2,961,780
LAITRAM, L.L.C. 2,875,698
LANCASTER, PATRICK R., III 2,975,347
LANDI, GIACOMO 2,830,796
LANDRUM, JOHN F. 2,875,698
LANG, CHRISTOPHER JAMES 2,900,688
LANG, SEBASTIAN 2,855,565
LANTECH.COM, LLC 2,975,347
LAROCQUE, ALAIN 3,006,313
LARSON, CRAIG 2,807,494
LARSON, THOMAS ROBERT 2,903,761
LASKO, DANIEL 3,046,424
LAUWEREYS, MARC JOZEF 2,759,370
LAVOIE, BARRY 2,884,855
LAZAREV, MIKHAIL ALEKSEEVICH 3,056,219
LB BULGARICUM PLC 2,834,704
LEBER, LELAND C. 2,898,716
LECLERC, ERIC 2,799,229
LEE, CHANG-SUN 2,865,957
LEE, EUN BEOM 2,902,147
LEE, JAE WON 2,902,147
LEE, KUO-HSIUNG 2,963,390
LEE, LAWRENCE QI CHAO 2,901,359
LEE, LIN-NAN 3,020,522
LEE, SO JUNG 2,902,147
LEFENFELD, MICHAEL 2,974,826
LEGALLAIS, CECILE 2,799,229
LENG, LUHAO 2,873,331
LES PLAFONDS EMBASSY INC. 3,022,306
LEUNG, JEFFREY C. 2,973,975
LEVAN, KURTIS E. 2,932,177
LI, YUANMING R. 2,855,084
LI, YUNYUAN 2,914,261
LI, ZONGMIN 3,009,431
LICATA, MARK J. 2,825,600
LIET, CORNELIS HENDRICUS 2,819,761
LIGHT, MARC 2,807,494
LIMBERT, DEAN PHILIP 2,900,688
LIN, CHUANG-CHIA 2,997,479
LIU, XIANGXU 3,009,431
LIU, XIAODONG 2,987,322
LOCK ANTRIEBSTECHNIK GMBH 3,041,564
LOHR, DAVID A. 2,993,403
LOTEY, IQBAL 3,022,969
LU, MANXUE 2,803,305
LUETTGEN, HAROLD A. 2,898,716
LUKE, GEORGE P. 2,930,414
LUNDELL, KERSTIN 2,890,358
LYNAR, SHANNON 2,961,780
M&K HOLDINGS INC. 2,857,849
MACK RIDES GMBH & CO. KG 2,944,050
MADDEN, THOMAS D. 2,984,026
MALTAIS, RENE 2,830,984

Index des brevets canadiens délivrés
11 février 2020

MARTHE, TIMOTHY JOHN 2,994,678
MARTIN, MATTHEW W. 2,930,414
MARTINI, MARIO 2,830,796
MASSE, FABIEN 2,951,316
MATHIS, DENNIS R. 2,990,654
MATHIS, NICHOLAS SEAN 2,970,301
MATSUDA, DAISUKE 2,880,165
MATSUMOTO, YUJI 2,960,170
MATSUNOBU, TORU 2,834,123
MAVRINA, EKATERINA ALEKSANDROVNA 3,056,219
MCGILLIVRAY, ROY 2,855,084
MCGUIRE, JOHN 2,926,962
MCKEE, MICHAEL 2,926,962
MD&C CREATIVE MAISON SA 3,020,806
MEDTRADE PRODUCTS LIMITED 2,889,328
MEGARO, MATTHEW A. 2,973,975
MEHLHORN, MICHAEL RICHARD 3,047,767
MEYER, MICKAEL 2,892,446
MEYERS, PAUL F. 2,825,600
MHASKAR, NAUMAN H. 2,972,906
MICHAYLOVA, MICHAELA 2,834,704
MICHELIN RECHERCHE ET TECHNIQUE S.A. 2,858,159
MICHIGAN STATE UNIVERSITY 2,974,826
MILGARD MANUFACTURING INCORPORATED 2,966,462
MILLAN, DAVID S. 2,930,414
MILLER, JOHN ERIC 2,990,654
MILLMAN, JEFFREY C. 2,855,084
MILTON, MICHAEL 3,046,667
MIONO, TADAAKI 2,933,831
MITCHELL, MICHAEL P. 2,975,347
MIYAGISHI, SHUNICHI 2,980,374
MOLNAR, DAN 2,822,965
MONTABERT 2,887,777
MONTGOMERY, PAUL YALDEN 2,926,705
MORENCY, KEVIN WARREN 2,901,359
MORIMOTO, RYOUSUKE 3,035,505
MORTON, JAMES 2,822,965
MOYHER, CHARLES S. 2,992,678
MUFFIN INCORPORATED 2,800,284
MUI, BARBARA 2,984,026
MULLINS, SCOTT 2,943,993
MUSTIERE, CEDRIC 2,870,618
NAKAI, JUNICHI 2,951,780
NAKAZAWA, YOSHIAKI 3,035,505
NAM, YANG WOO 3,002,368
NANA, ROGER 2,760,053
NAPO PHARMACEUTICALS, INC. 2,816,416
NATIONAL OILWELL VARCO, L.P. 2,903,761
NEC PLATFORMS, LTD. 3,025,888
NELSEN TECHNOLOGIES INC. 3,044,577
NELSEN, BLAIR 3,044,577
NEPTUNE TECHNOLOGY GROUP INC. 3,003,585
NEW-TEC INTEGRATION (XIAMEN) CO., LTD. 2,873,331
NEWRON PHARMACEUTICALS S.P.A. 2,936,209
NICOLAIDES, NICHOLAS C. 2,924,155
NIPPON STEEL CORPORATION 3,035,505
NIPPON STEEL NISSHIN CO., LTD. 2,933,831
NISHI, TAKAHIRO 2,834,123
NISHIYAMA, HIDESHI 2,999,007
NODELMAN, NEIL 2,912,686
NOEL, LLOYD S. 2,988,431
NOERPEL, ANTHONY 3,020,522
NOMURA, NARUHIKO 3,035,505
NORRIS, JAMES MICHAEL 2,820,882
NOVARTIS AG 2,858,069
NUOVO PIGNONE S.P.A. 2,830,796
O'DONNELL, ARTHUR 2,910,962
O'DONNELL, ARTHUR 2,910,970
O'DONNELL, ARTHUR 2,910,973
OBLACK, MARK J. 2,935,376
OH, SOO MI 2,857,849
OHARA, HIROKAZU 2,960,170
OHKURA, MASAMICHI 2,951,780
OHLANDER, JOAKIM 2,877,033
OI, TAKAHIRO 2,880,165
OKADA, SHUJI 3,058,888
OLSON, ERIK C. 2,926,711
OLSON, MARC STEPHEN 2,980,171
OMACHRON INTELLECTUAL PROPERTY INC. 2,953,105
ORGILL, MICHAEL ALLEN 2,848,093
ORGKHIM BCH MANAGEMENT COMPANY, JSC 3,056,219
OTICO 2,783,645
PAN, YONGBO 3,009,431
PANACEA BIOMATX, INC. 2,988,431
PAPSIN, BLAKE C. 2,867,081
PASCU, VICTOR 2,805,833
PATRICK, JOHN L. 2,760,053
PATTON, DAMON LLOYD 3,003,585
PAYNE, THOMAS 2,800,284
PEI, ZHIYU 3,009,431
PELLICANO', PASQUALE PATRIZIO 2,859,966
PENG, BOB 3,022,969
PEOPLES, GEORGE E. 2,812,794
PERKINELMER HEALTH SCIENCES, INC. 2,802,735
PERRY, FRANCES J. 3,014,814
PHAM, TRUNG DUC 2,966,999
PHARMING INTELLECTUAL PROPERTY BV 2,824,893
PHASERX, INC. 2,972,694
PHELY, OLIVIER 2,783,645
PICHE, PATRICK 2,963,156
PIERSON, JEAN-FRANCOIS 2,892,446
PINDROP SECURITY, INC. 3,032,817
PIOU, DENIS 2,783,645
POIRIER, DONALD 2,830,984
PONNIAH, SATHIBALAN 2,812,794
PONZINI, FRANCESCO 2,936,209
POTHIER, DAVID 2,867,081
PROFENSE, LLC 2,910,962
PROFENSE, LLC 2,910,970
PROFENSE, LLC 2,910,973
PROLL, TOBIAS 2,904,380
PROPEL DOORS, INC. 2,820,882
PTC THERAPEUTICS, INC. 2,865,957
PURKIS, DANIEL GEORGE 2,981,259
QUALCOMM INCORPORATED 2,978,875
QUANTUM TECHNOLOGY GROUP LIMITED 3,009,933
QUINN, MICHAEL J. 2,898,716
RADBIL, ARKADIY BENYUMINOVICH 3,056,219
RAINS, JAMES K. 2,716,836
RAKUFF, STEFAN 3,046,424
RAMESH, SWAMINATHAN 2,860,258
RAMOT AT TEL-AVIV UNIVERSITY LTD. 2,827,188
RANDALL, AMY 2,873,783
RANDALL, KEVIN JOHN 2,901,359
RANIWALA, ASHISH 3,014,814
RAO, DOREEN S. 2,957,309
RATNI, HASANE 2,865,957
RATTUNDE AG 3,003,934
RATTUNDE, ULRICH 3,003,934
REEDMAN, TIM 2,901,359
REITZ, JAMES N. 2,946,190
REMEDI TECHNOLOGY HOLDINGS, LLC 3,018,688
RESS, ROBERT A., JR. 2,822,965
REUL, BERNHARD 2,992,395
RICCI, WILLIAM M. 2,716,836
RICHTER, THOMAS SCOTT 2,990,827
RIDDELL, SCOTT GABELL 2,918,917
RITCHEY, NICHOLAS S. 2,716,836
RITTER, MICHAEL 3,046,667
ROBERTS, MARK F. 2,887,602
ROCHEN, JAMES A. 2,972,906
ROCKWOOD LITHIUM GMBH 2,855,565
ROEGER-GOEPFERT, CORNELIA 2,804,322
ROES, CHRISTOPHER RICHARD 2,848,093
ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC. 2,822,965
ROSSANO, GREGORY 3,046,424
ROVALMA, S.A. 2,981,388
ROVI GUIDES, INC. 2,816,164
ROWE, JONATHAN 3,043,081
ROWE, THOMAS 2,910,962
ROWE, THOMAS 2,910,970
ROWE, THOMAS 2,910,973
ROY, JENNY 2,830,984
RUBIN, DAVID 2,711,721
RUBIN, ELY 2,711,721
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY 2,511,103
S.P.C.M. SA 2,876,609
SABELLA, DANTE 2,830,796
SAFRAN AERO BOOSTERS SA 2,899,395
SAHADEVAN, JOSHIN 2,957,309
SAI, TAO 2,924,155

Index of Canadian Patents Issued
February 11, 2020

SAINT-GOBAIN GLASS FRANCE 2,992,395
SAINT-GOBAIN ISOVER 2,857,275
SALAHEDDINE, MOURAD 2,824,893
SALM, ANDREW 3,046,424
SALVATI, PATRICIA 2,936,209
SANDELIS, DENIS JEAN MAURICE 2,871,923
SANDEROVICH, AMICHAI 2,978,875
SANDNER, PETER 2,955,143
SANVEAN TECHNOLOGIES LLC 3,008,954
SASAI, HISAO 2,834,123
SASS, PHILIP M. 2,924,155
SAUNDERS, RYAN 2,898,716
SCHACHTEL, BERNARD 2,905,541
SCHILLER, SHAWN E. R. 2,930,414
SCHMID, JOHANNES 2,904,380
SCHMIDT, JOSEPH HENRY 2,738,122
SCHMIDT, MICHAEL RICHARD MAX 2,901,359
SCHOFIELD, NIGEL 2,911,274
SCHOTTE, PETER 2,759,370
SCHREYER, BERND 2,986,073
SCHRIJVER, ALBERTUS JOHANNES MARIA 2,919,129
SCHUBA, JONATHAN 2,911,130
SCHUITEMA, DENNIS J. 2,922,678
SCHULZ, KLAUS-DIETER 2,834,109
SCHUSTER, LAURENT 2,899,395
SCHWAGLI, TOBIAS 2,716,836
SCIENTIFIC DRILLING INTERNATIONAL, INC. 2,946,147
SEA WIND TOWERS, S.L. 2,811,853
SEB S.A. 2,892,446
SEMPLE, SEAN C. 2,984,026
SERIBO, MARGARET 2,816,323
SHAH, HARSHANG 3,046,424
SHAN, GUANGJIE 3,009,431
SHAN, JIUKU 3,009,431
SHARGOTS, SCOTT J. 2,855,084
SHAW, RYAN J. 2,976,244
SHEKARRI, NACHE D. 2,946,190
SHIBAHARA, YOUJI 2,834,123
SHIBATA, TSUYOSHI 2,880,165
SHIMIZU, KEITA 2,999,007
SHIMIZU, TAKASHI 2,999,007
SHIMIZU, YUKI 2,880,165
SHIN, JI YOUNG 2,902,147
SHINTU, LAETITIA 2,799,229
SHIOZAWA, FUMIYASU 2,880,165
SHIRASAKI, YOSHIHISA 2,880,165
SHVARTSMAN, SHMARYU 2,760,053
SIEMENS INDUSTRY, INC. 2,816,323
SIGNA CHEMISTRY LLC 2,974,826
SILVERNAIL, CARTER M. 2,926,711
SKIDATA AG 2,934,056
SLANTRANGE, INC. 3,046,667
SMIECINSKI, THEODORE M. 2,849,909
SMITH & NEPHEW, INC. 2,716,836
SMITH, IAN C. 2,943,993
SNECMA 2,870,618
SNECMA 2,871,923
SOCPRA SCIENCES ET GENIE S.E.C. 2,884,684
SOLENIS TECHNOLOGIES CAYMAN, L.P. 2,947,956
SONG, SUSAN 2,857,290
SONNEMAN, ROBERT A. 3,002,333
SONY CORPORATION 2,861,220
SPEARS, LONNIE DOUGLAS 2,816,323
SPIELMAN, JAMES PETER 2,994,678
ST-LAURENT, ANDRE 3,022,306
STAAB, HARALD 3,046,424
STANG, LAWRENCE JOSEPH 2,997,479
STANSSENS, PATRICK 2,759,370
STASCH, JOHANNES-PETER 2,955,143
STAYTON, PATRICK S. 2,972,694
STEFURAK, LIANNE 2,901,359
STOFFEL, WOLFGANG 2,865,974
STORRER, CATHERINE E. 2,812,794
STOVES, RANDALL MCCLAY 3,003,585
STRENG, PIETER CORNELIS JOHANNES MARIA 2,824,893
STRICKLAND, MICHAEL R. 2,950,219
STRYKER CORPORATION 2,847,182
SUGIO, TOSHIYASU 2,834,123
SUGIURA, JUNICHI 3,008,954
SUMITOMO METAL MINING CO., LTD. 3,058,888
SUN PATENT TRUST 2,834,123
SUSINI, PAOLO 2,830,796
SUZUKI, TOSHIYA 3,035,505
SWISS TIMING LTD. 2,951,316
SZEKELY, KENNETH 2,975,117
TACHI, MASAYUKI 2,861,220
TAILPIED, FABRICE 2,870,618
TAIRX, INC. 2,963,390
TAISHO PHARMACEUTICAL CO., LTD. 2,880,165
TAKAHASHI, MASATO 2,880,165
TAKAYAMA, TETSUO 2,880,165
TAKEUCHI, ATSUYA 2,951,780
TAKIGIKU, RAY 2,905,541
TALBOT, ADAM C. 2,930,414
TALON WALL HOLDINGS LLC 2,932,177
TANAKA, JUNICHI 2,819,401
TANIKAWA, KYOKO 2,834,123
TECHNISCHE UNIVERSITAT WIEN 2,904,380
THE BOEING COMPANY 2,990,654
THE HILLMAN GROUP, INC. 2,920,580
THE HOSPITAL FOR SICK CHILDREN 2,867,081
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,688,155
THE REGENTS OF THE UNIVERSITY OF MICHIGAN 2,912,686
THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSIT 2,926,356
THE UNIVERSITY OF BRITISH COLUMBIA 2,914,261
THE UNIVERSITY OF BRITISH COLUMBIA 2,984,026
THOMAS, JACOB M. 3,018,232
THOMAS, KURT J. 2,976,244
THOMAS, MANOJ 2,875,698
THOMPSON, JAMES MICHAEL 2,980,171
THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY 2,807,494
TIGANI, JORDAN 3,014,814
TITAN ITALIA S.P.A. 2,859,966
TOBIN, JAMES ROBERT 2,918,917
TOCK, CHRISTIAN 2,804,322
TOULHOAT, PIERRE 2,799,229
TRACEY, TODD 2,970,301
TRANSFERT PLUS, S.E.C. 3,006,313
TRIBBLE, DEAN 2,970,301
TRIESENBERG, THOMAS H. 2,922,678
TRIOLIET HOLDING B.V. 2,819,761
TRULL, MICHAEL 2,973,975
TSAI, MENG-TUNG 2,963,390
TUFFE, STEPHANE 2,892,446
UEBAYASHI, YUICHI 2,980,374
UNITY BIOTECHNOLOGY, INC. 3,033,850
UNIVERSAL CITY STUDIOS LLC 3,047,767
UNIVERSITE DE LORRAINE 2,892,446
UNIVERSITE LAVAL 2,830,984
UNIVERSITE TECHNOLOGIE DE COMPIEGNE - UTC 2,799,229
UNIVERSITY HEALTH NETWORK 2,867,081
UNIVERSITY OF WASHINGTON 2,972,694
USHIYAMA, FUMIHITO 2,880,165
VAKS, LILACH 2,827,188
VALLS ANGLES, ISAAC 2,981,388
VAN CAPPELLEN, WITTE 2,919,129
VANBERG, RANDY 3,022,969
VELOS MEDIA INTERNATIONAL LIMITED 2,819,401
VENITAS RESEARCH CENTER, LLC 2,992,878
VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT 2,906,159
VERIFI LLC 2,887,602
VETTER PHARMA-FERTIGUNG GMBH & CO. KG 2,905,212
VIEGA TECHNOLOGY GMBH & CO. KG 3,052,217
VIEWRAY TECHNOLOGIES, INC. 2,760,053
VISSCHER, KEVIN 3,022,969
VOELKEL, LUDWIG 2,804,322
VOGEL, DANIELA 3,041,564
VON DEGENFELD, GEORGES 2,955,143
VON GELDERN, THOMAS W. 3,033,850
WACHTER, PHILIPP 2,834,109

WALTERS, KERRIE 2,926,711
WALTHER, BRIAN W. 2,857,290
WANG, LIANGUO 3,009,431
WANG, ZHONGBO 2,987,322
WARREN, DANIEL ADAM 2,943,993
WARWICK, TIMOTHY J. 2,972,693
WATANABE, TOMONORI 2,999,007
WATER PIK, INC. 2,898,716
WAY, TZONG-DER 2,963,390
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,972,906
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,981,259
WEI, FANG 2,688,155
WEILER, RICHARD JURGEN 2,977,842
WEIZENBAUM, NATHAN 3,014,814
WENDT THEVENAZ, CRISTINA 3,020,806
WERNER, KATJA 2,992,395
WEXCO INCORPORATED 3,037,136
WHEELER, DERIC L 2,865,256
WHIDDON, RICHARD MURRAY 2,946,147
WHITE, GRANT ALEXANDER 2,848,093
WHITE, JOHN ANDREW 2,874,635
WHITTEN, ANDREW C. 2,855,084
WIETELMANN, ULRICH 2,855,565
WILKENS, JEFFREY ARNOLD 2,994,678
WILLIAMS, ROBERT C., III 2,973,975
WINKLER, CLIVE 2,977,771
WINSTON, KENNETH W. 2,805,836
WINTER, ANDREAS 2,926,705
WOLF, ANTHONY 2,961,780
WOLFE, STEVEN CHRISTOPHER 3,003,585
WOMACK, MARCUS W. L. 2,946,190
WONG, DAVID T. W. 2,688,155
WU, JIE 2,797,797
WU, TIAN-SHUNG 2,963,390
XIE, XUEYUAN 2,987,322
YANG, JAI-SING 2,963,390
YANG, MOONOCK 2,857,849
YASUDA, MASAYUKI 3,025,888
YAZDANBOD, AZAROGHLY 2,916,613
YI, KYE SOOK 2,902,147
YOSKOWITZ, DAVID 2,860,339
YOUNG, JONATHAN A. 2,972,906
YU, GUO-LIANG 2,834,404
ZAKARIASEN, DON 2,792,222
ZENG, QINGGUO 2,760,053
ZENKER, JOCHEN 2,905,212
ZHANG, EDWARD 3,046,424
ZHANG, YONGKE 2,834,404
ZHOU, DAN 3,009,431
ZHU, WEIMIN 2,834,404
ZIMMERMANN, BERNHARD G. 2,688,155
ZUTT, NICOLAAS ANTHONIUS 2,919,129

Index of Canadian Applications Open to Public Inspection

January 26, 2020 to February 1, 2020

Index des demandes canadiennes mises à la disponibilité du public

26 janvier 2020 au 1 février 2020

10881937 CANADA INC. 3,012,641
ABBOTT, JONATHAN 3,012,678
ABRAMS, JACOB WHITAKER 3,050,760
AHADI, AMIRHOSSEIN 3,012,611
AIKENS, SHEVERRIA ANTONY 3,044,454
AIR PRODUCTS AND CHEMICALS, INC. 3,050,648
ALEXANDER, FABRICE 3,050,945
ALEXIADIS, PETER JAMES 3,050,983
ALGUERA, JOSE MANUEL 3,049,895
ALLEY, CHRISTOPHER M. 3,049,071
AMADOR RAMIREZ, MARIBEL 3,049,363
ANDERSON & WOOD CONSTRUCTION CO., INC. 3,014,613
ANDREW, COLIN 3,050,562
ANDREW, COLIN 3,050,678
ARRONDEAU, YOAN 3,050,945
ARXIUM, INC. 3,050,880
ATKINS, HAROLD 3,050,645
ATLMANN, ANDRES CLAUDIO 3,050,559
ATTENUBIOTICS INC. 3,050,761
AUFFINGER, SEAN 3,046,526
AYLWARD, FRANK 3,012,500
BAKER HUGHES, A GE COMPANY, LLC 3,050,562
BAKER HUGHES, A GE COMPANY, LLC 3,050,678
BAR-TAL, MEIR 3,050,653
BARAM, ALON 3,050,653
BARATI, MANSOOR 3,012,611
BAREKATEIN, MEHDY 3,044,454
BARTKOWIAK, CARRIE 3,048,590
BASTANI, ARASH 3,050,895
BAY, DOUGLAS 3,051,031
BEHJATI, HAMID 3,050,881
BENDER, ERIC CHARLES 3,050,648
BERGER, MARK J. 3,050,797
BERMUDEZ, SOPHIE 3,050,697
BERTRAND, BLAKE A. 3,044,409
BHATTACHARJEE, SOURJYA 3,050,758
BI, BAOYUN 3,050,486
BILGIN, BERKER 3,012,518
BILLIONAIRE MARKETPLACE LIMITED 3,012,504
BIOPROJET 3,050,590
BIOSENSE WEBSTER (ISRAEL) LTD. 3,050,559
BIOSENSE WEBSTER (ISRAEL) LTD. 3,050,653
BITTENDORF, TOBIAS 3,050,561
BLACK, KEVIN 3,012,678
BLUEDOT INNOVATION PTY LTD 3,015,281
BOGUSKY, JAMES A. 3,041,024
BOIRA BONHORA, JORDI 3,049,332
BOLD, JENS 3,044,125
BOLTON, BART 3,050,570
BOND, JERRY R. 3,050,772
BOUCHARD FORTIN, NICOLAS 3,012,640
BOUCHARD, GUILLAUME 3,050,652
BRAUN, CAROL J. (DECEASED) 3,046,521
BRETON, JACQUES 3,012,762
BRIGHAM, GRAHAM 3,058,220
BROSNAHAN, JOHN 3,048,590
BROWN, GLEN 3,044,454
BRUETT, MICHAEL R. 3,014,613
BRYAN, FREDERICK 3,050,762
BUGAN, EDUARD 3,050,777
BURGOPAK LIMITED 3,060,799
CAI, DENGKE 3,013,484
CALINOG, MILLICENT 3,037,137
CAMPBELL, LEANNE M. 3,049,071
CAMSO INC. 3,012,659
CAMSO INC. 3,032,394
CAPITAL ONE SERVICES, LLC 3,050,697
CASTELLI, MARCO 3,048,826
CHAHLEY, DENNIS WILLIAM 3,047,255
CHAMPION POWER EQUIPMENT, INC. 3,050,555
CHANG, SHOUDE 3,012,924
CHANG, SHOUDE 3,012,938
CHAPPELL, MICHAEL 3,050,591
CHEN, CHANGJIA 3,012,946
CHEN, HONG 3,050,775
CHENG, NATHAN 3,050,775
CHEONG, HAMILTON C. 3,012,504
CHOUANARD-MCADAM, PATRICIA J. 3,037,137
CIMA S.P.A. 3,050,757
CIVES CORPORATION 3,050,901
CLOVER NETWORK, INC. 3,050,760
CNH INDUSTRIAL CANADA, LTD. 3,047,255
COCA GARROTE, JOSE 3,049,332
COMCAST CABLE COMMUNICATIONS, LLC 3,050,594
COMCAST CABLE COMMUNICATIONS, LLC 3,050,676
COMCAST CABLE COMMUNICATIONS, LLC 3,051,031
CONRAD, WAYNE ERNEST 3,013,005
CORLETT, JOHN CHARLES 3,012,788
COSTA, CHRISTOPHE 3,050,945
COTTET, JUSTIN D. 3,049,071
COUQUE, PIERRE 3,050,945
COWAN, DANIEL J. 3,046,526
COX, EDWARD 3,050,287
CRISAFULLI, CHRISTOPHER 3,041,024
CWS-BOCO INTERNATIONAL GMBH 3,050,766
CWS-BOCO INTERNATIONAL GMBH 3,050,767
DA COSTA, PHILIPPE 3,050,945
DANAEI, ABDOLKARIM 3,012,611
DANDURAND, JULES 3,012,659
DANDURAND, JULES 3,032,394
DEFRANCISCI, GABRIELA K. 3,049,071
DEHN, JAMES 3,050,555
DEL NEVO, MAURIZIO 3,050,719
DELMAR CHEMICALS INC. 3,050,777
DEMONTFAUCON, LAURENT 3,050,945
DENIAU, ROMUALD 3,050,945
DENT, JACOB A. 3,050,880
DEPUY SYNTHES PRODUCTS, INC. 3,050,445
DESROCHERS, PATRICE 3,012,762
DI PAOLA, FRANCO 3,050,398
DIETRICH, STEFANIE 3,050,474
DION, STEPHANE 3,012,640
DRAKA ELEVATOR PRODUCTS INC. 3,050,161
DUFF, JASON E. 3,043,686
DUGUAY, IRMA M. 3,050,893
EDWARDS, ALLAN JOHN 3,050,563
ELEMENT AI INC. 3,012,927
EMADI, ALI 3,012,518
EPHRATH, YARON 3,050,559
EPPELT, GISBERT 3,050,474
ERMO SAS 3,050,719
ESLAMI-NEJAD, PARHAM 3,050,895
FENG, CINDI 3,050,775
FICAI, GIOVANNI 3,048,560
FILELLA, CARMINE 3,048,826
FITZGIBBON, JAMES J. 3,050,443
FIVES INTRALOGISTICS S.P.A. CON SOCIO UNICO 3,048,826
FLEX LTD. 3,043,418
FLUENCE BIOENGINEERING, INC. 3,050,934
FLUENCE BIOENGINEERING, INC. 3,050,935
FLUENCE BIOENGINEERING, INC. 3,050,937
FONT, EMMANUELLE 3,050,945
FONTAINE TRAILER COMPANY LLC 3,050,570
FONTANA, STEFANO 3,050,957
FORGIONE, ANGELO 3,050,522
FORTIER, YVES 3,012,674

Index des demandes canadiennes mises à la disponibilité du public
26 janvier 2020 au 1 février 2020

FRAME, KENNETH B. 3,050,934
FRAME, KENNETH B. 3,050,935
FRAME, KENNETH B. 3,050,937
GAGNON-BOUCHARD, MICHAEL 3,012,762
GARCIA MUNOZ, NORMA ARACELI 3,049,363
GHEDIN, OLIVIER 3,050,945
GHOSHAL, SUBHASIS 3,050,758
GIGUERE, DANIEL 3,050,895
GILBERT, ETIENNE 3,012,640
GIRAULT, PASCAL 3,050,719
GORCEA, DAN 3,043,418
GOSSELIN, KEVIN 3,050,476
GOVARI, ASSAF 3,050,559
GREEN, DILLARD HAIRSTON 3,050,161
GRENIER, GILLES 3,012,777
GREWAL, JASROBIN 3,050,398
GRIFOLS WORLDWIDE OPERATIONS LIMITED 3,049,332
GROSS, PETER 3,012,807
GROUPE ANDERSON INC. 3,012,762
GROUPE GYROTECH INC. 3,033,764
GUCKEL, CHRISTIAN 3,050,775
GUNTSCH, JOHANNES FRIEDRICH RICHARD 3,050,161
HABERLE, WILFRIED 3,050,474
HAMMERSLEY, DONOVAN 3,050,775
HEDLEY, DOUGLAS H. 3,012,807
HENDRICKS, JAMES ANDREW 3,050,570
HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTEOF NATURAL RESOURCES CANADA 3,050,895
HILL PHOENIX, INC. 3,049,596
HIMES, MICHAEL ROBERT 3,050,648
HINZEN, MARCUS 3,048,750
HOLL, RICHARD 3,046,521
HUGGINS, MARK 3,050,762
INSTITUTO MEXICANO DEL PETROLEO 3,049,363
IOTTI, MARCO 3,050,527
ITO, CARYN 3,050,645
JENKYN, THOMAS 3,050,786
JOHNSEN, ANDREW 3,050,881
JOHNSON, MICHAEL 3,050,562
JOHNSON, MICHAEL 3,050,678
JONES, MARCUS 3,050,960
JOST-WERKE DEUTSCHLAND GMBH 3,049,895
JPF TELEBLOC INC. 3,050,652
JRADE, HANI 3,050,645
KALABOUKIS, CHRIS 3,037,137
KASTNER, MARK 3,050,555
KELLY, MICHAEL 3,048,590
KELVIN THERMAL ENERGY INC. 3,012,611
KENNAMETAL INC. 3,048,590
KENT, TREVOR HOWARD 3,013,163
KHALED, NASSIM 3,049,596
KIMPEX INC. 3,012,640
KNOCK, AARON P. 3,049,071
KOLEV, NIKOLA 3,050,594
KOSTER, NORMAN 3,050,522
KRAUS, KORY 3,050,901
KRIER, CHRISTOPHER 3,050,445
KRISHNAMOORTHY, NARESH KUMAR 3,049,596
KRISHNASWAMY, PRADEEP 3,044,409
KUSHNER, KRISTINE ING. 3,037,137
LANDAIS, LAURENT 3,050,590
LANHAM, MARK WAYNE 3,050,648
LARADJI, ISSAM HADJ 3,012,927
LEACH, DAVID 3,051,031
LEACH, DONALD 3,050,654
LECOMTE, JEANNE MARIE 3,050,590
LEE, BALIN 3,050,775
LEE, HYUNG-SOOL 3,012,940
LEITNER S.P.A. 3,050,957
LEMIEUX, THOMAS 3,033,764
LENORMAND, VIRGINIE 3,050,945
LEVESQUE, ANDY 3,012,659
LEVESQUE, ANDY 3,032,394
LEVESQUE, JEAN-SIMON 3,012,640
LEWIS, ARNE K. 3,044,409
LEWIS, MELISSA H. 3,044,409
LI, HAODING 3,012,518
LIGNEAU, XAVIER 3,050,590
LIM, SERGE 3,050,945
LIN, HAI LING 3,050,467
LIN, HSIN-YUNG 3,050,568
LITANI, HELENA 3,013,174
LIU, JIAREN 3,012,924
LIU, JIAREN 3,012,938
LU, ZHENGUO 3,012,924
LU, ZHENGUO 3,012,938
LUCHT, DUANE 3,013,010
LUMA, DENNIS B. 3,050,943
MA, ZHEN 3,050,498
MA, ZHEN 3,050,499
MAGANTI, HARINAD BABU 3,050,645
MANASRAH, ABDULLAH DARWEESH 3,012,804
MANITOU ITALIA S.R.L. 3,050,527
MARCHANT, CHRISTIAN ALEXANDER 3,013,163
MARTENS, ERIC JOHN 3,044,218
MATREX WINDOW SYSTEM INC. 3,050,522
MATTINSON, DAVID 3,050,444
MAUNOURY, LAURENT 3,050,719
MCMASTER UNIVERSITY 3,012,518
MEDINA MONTIEL, ANA PATRICIA 3,049,363
MELLOR, MITCHELL 3,049,071
MENARD, ALAIN 3,050,777
MIDDLE CHART, LLC 3,043,686
MOGILEFSKY, ARTHUR 3,029,662
MOXTEK, INC. 3,012,678
MULLIGAN, BRANDON 3,046,526
MUNIR, MUHAMMAD FARUKH 3,037,137
NAIKER, ROHIT 3,012,913
NASH, SAMUEL 3,041,024
NASSAR, NASHAAT N. 3,012,804
NATIONAL RESEARCH COUNCIL OF CANADA 3,012,924
NATIONAL RESEARCH COUNCIL OF CANADA 3,012,938
OLIVEIRA PINHEIRO, PEDRO HENRIQUE 3,012,927
OLIVER, CHASE C. 3,014,613
OLIVER, FRED S. 3,014,613
OMACHRON INTELLECTUAL PROPERTY INC. 3,013,005
ONG, IVAN 3,050,676
ORTEGA RODRIGUEZ, ALEJANDRO 3,049,363
OSRAM SYLVANIA INC. 3,050,881
OTTAWA HOSPITAL RESEARCH INSTITUTE 3,050,645
OZ OPTICS LTD. 3,012,940
OZ OPTICS LTD. 3,012,946
PAINTER, HAROLD 3,050,570
PALLING, DAVID 3,046,521
PARK, KYONG 3,050,594
PARKES, STEPHEN 3,050,786
PEACOCK, ALLEN 3,050,570
PECHLANER, ALEXANDER 3,050,957
PEDROSO, PEDRO 3,050,445
PENTIKIS, HELEN S. 3,046,521
PERI GMBH 3,050,474
PERRIN, DAVID 3,050,590
POIRIER, ROBERT 3,045,000
POLTE, JENS 3,049,895
POOLE, PHILIP 3,012,924
POOLE, PHILIP 3,012,938
PRATT & WHITNEY CANADA CORP. 3,050,287
PRATT & WHITNEY CANADA CORP. 3,050,398
PRIMEX MANUFACTURING LTD. 3,050,775
QIAN, LI 3,012,946
QUI, JIAN 3,050,486
RAJAGOPAL, NAGALAKSHMI 3,050,760
RAMEY, SCOTT 3,013,009
RAMIREZ SABAG, JETZABETH 3,049,363
RAUDIES, THOMAS 3,050,474
RAZZABONI, NICOLETTA 3,050,757
RAZZABONI, VITTORIO 3,050,757
RIAZI, ARASH 3,012,946
RIOUX, ALAIN 3,050,476
ROEMAR, INC. 3,045,000
ROOD, BRUCE ALLEN 3,012,644
ROOD, RICHARD BRUCE 3,012,644
ROSTAMZADEH, NEGAR 3,012,927
ROURA SALIETTI, CARLOS 3,049,332
ROWE, TYLER J. 3,050,762
RUCKHEIM, MARKUS 3,050,767
RUECKHEIM, MARKUS 3,050,766
SABLOFF, MITCHELL 3,050,645
SAILLANT, ANTOINE 3,050,591
SANDERSON, PHILLIP A. 3,050,676
SANTARONE, MICHAEL S. 3,043,686
SARDER, MARK 3,050,555
SATO, HIROAKI 3,050,555

Index of Canadian Applications Open to Public Inspection
January 26, 2020 to February 1, 2020

SCHLUMBERGER CANADA LIMITED 3,050,654
SCHMIDT, JONATHAN BECKER 3,050,934
SCHMIDT, JONATHAN BECKER 3,050,935
SCHMIDT, JONATHAN BECKER 3,050,937
SCHMIDT, MARK WILLIAM 3,012,927
SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD. 3,050,498
SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD. 3,050,499
SCHNEIDER ELECTRIC INDUSTRIES SAS 3,050,486
SCHUNK KOHLENSTOFFTECHNIK GMBH 3,050,561
SCHWARTZ, JEAN CHARLES 3,050,590
SECURE ENERGY(ONSITE SERVICES) INC. 3,050,444
SECURITECH GROUP, INC. 3,050,797
SHAH, DIPEN K. 3,041,024
SHAH, SALIK 3,050,697
SHAH, VIJAY 3,050,591
SHANG, PEI 3,050,498
SHANG, PEI 3,050,499
SHLANTA, ANDREW VINCENT 3,050,648
SHPUROV, ALEXEY 3,013,174
SIDHU, BALJIT 3,012,637
SIEMENS MEDICAL SOLUTIONS USA, INC. 3,050,591
SKLODOWSKI, DAVID JOHN 3,050,443
SNF HOLDING COMPANY 3,013,009
SNF S.A. 3,013,009
SOLIDIAN GMBH 3,048,750
SONG, CHUNYING 3,012,924
SONG, CHUNYING 3,012,938
SPASSOVA, NADEJDA 3,050,777
SPORT MAGNETUDE INC. 3,042,930
SPROULE, PHILLIP 3,050,458
STANFORD, WILLIAM 3,050,645
STARK, ROGER M. 3,048,590
STEVENS, BART 3,046,526
STIRLING, ANDREW 3,015,281
STOKES, MARK K. 3,050,762
STONE, MATTHEW 3,050,562
STONE, MATTHEW 3,050,678
STRONG, BRIAN 3,012,758
STUART, GRAHAM DOUGLAS 3,047,255
SUN, YIN FUN (EVA) 3,050,775
SUPERIOR ALUMINUM ALLOYS, LLC 3,050,943
SWARVAR, AARON C. 3,050,880
SYMBIOMIX THERAPEUTICS, LLC 3,046,521
TAN, YING XIANG 3,050,467
TANG, LEUNG YU 3,050,443
TEBEKA, JONATHAN 3,050,398
TEMPEZ, THIERRY 3,050,945
TEREX GB LIMITED 3,050,458
TESSON, NICOLAS 3,050,777
THE BOEING COMPANY 3,044,125
THE BOEING COMPANY 3,044,218
THE BOEING COMPANY 3,044,409
THE BOEING COMPANY 3,044,454
THE BOEING COMPANY 3,046,526
THE BOEING COMPANY 3,049,071
THE CHAMBERLAIN GROUP, INC. 3,050,443
THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSIT 3,050,758
THE TORONTO-DOMINION BANK 3,013,174
THE TORONTO-DOMINION BANK 3,037,137
THERMAL SYSTEMS KWC LTD. 3,013,163
THOMAS, KIRK 3,013,009
TIZZOTTI, MORGAN 3,013,009
TRINITY RAIL GROUP, LLC 3,041,024
TRONG, DAN-VU 3,013,009
TTI (MACAO COMMERCIAL OFFSHORE) LIMITED 3,050,467
TTI (MACAO COMMERCIAL OFFSHORE) LIMITED 3,050,762
TUAL, EMMANUEL 3,050,945
UNIVERSITY OF OXFORD 3,050,591
UNKNOWN 3,012,641
UNKNOWN 3,012,788
UNKNOWN 3,028,474
UNKNOWN 3,042,930
UNKNOWN 3,050,893
UTI LIMITED PARTNERSHIP 3,012,804
VACHON, JORDAN 3,012,762
VAN DER SCHYF, MARTHINUS CHRISTOFFEL 3,050,934
VAN DER SCHYF, MARTHINUS CHRISTOFFEL 3,050,935
VAN DER SCHYF, MARTHINUS CHRISTOFFEL 3,050,937
VAZQUEZ BERMUDEZ, DAVID MARIA 3,012,927
VERING, GREGORY J. 3,049,071
VINCI CONSTRUCTION 3,050,945
VITALE, GERARDO 3,012,804
WALKER, RALPH 3,050,761
WALSH, CHARLES 3,050,444
WANG, SHANGFENG 3,050,983
WANG, TIEJUN 3,013,484
WARD, LEE M. 3,014,613
WEIK, MICHAEL 3,050,561
WHITEHURST, DANE 3,060,799
WIESER, HARTMUT 3,050,957
WILLIAMS, RAISSA 3,037,137
WINFIELD SOLUTIONS, LLC 3,050,960
WODRICH, MICHAEL A. 3,043,686
XU, YINGQING 3,050,562
XU, YINGQING 3,050,678
XU, ZHIYUE 3,050,562
XU, ZHIYUE 3,050,678
YUKSELOGLU, BARIS 3,044,409
ZHANG, DAHAI 3,050,498
ZHANG, DAHAI 3,050,499
ZHANG, KAI 3,050,775
ZHONG, ZHIKUN 3,050,555
ZHOU, JIN LIN 3,050,467
ZHOU, LIANHUI 3,028,474
ZHU, ERIC Y. 3,012,946
ZIMMERMANN, CHRISTOPH 3,050,766
ZIMMERMANN, CHRISTOPH 3,050,767
ZUBERI, BILAL MUSTAFA 3,050,654

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

10353744 CANADA LTD. 3,069,365
10353744 CANADA LTD. 3,069,374
10353744 CANADA LTD. 3,069,382
10353744 CANADA LTD. 3,069,587
1083120 BC LTD. 3,069,774
2L SOLUTIONS 3,069,394
3D AT DEPTH, INC. 3,069,305
3D AT DEPTH, INC. 3,069,309
3LMED GMBH 3,070,150
3LMED GMBH 3,070,174
3M INNOVATIVE PROPERTIES COMPANY 3,069,385
5071, INC. 3,069,694
8098549 CANADA INC. 3,069,844
A LA CARTE MEDIA, INC. 3,069,888
A LA CARTE MEDIA, INC. 3,069,890
AARHUS UNIVERSITET 3,068,974
AARHUS UNIVERSITET 3,069,780
AASBERG-PETERSEN, KIM 3,069,262
AASBERG-PETERSEN, KIM 3,069,387
AASBERG-PETERSEN, KIM 3,069,614
AASMAN, JANNES 3,069,116
ABB SCHWEIZ AG 3,069,267
ABBASSI, MYRIAM 3,069,787
ABBATE, LUIGI 3,069,972
ABBATE, LUIGI 3,069,973
ABBATE, LUIGI 3,069,975
ABBISKO THERAPEUTICS CO., LTD. 3,069,602
ABE, KIYOFUMI 3,069,579
ABEIDOH, ABDEL HAMID R. 3,069,293
ABRAHAM, RALF 3,069,029
ABU RABEAH, KHALIL 3,069,913
ACCELERCOMM LTD 3,069,482
ACCURSI, GIOVANNI 3,069,368
ACCURSI, GIOVANNI 3,069,373
ACHIEVE PHARMA UK LIMITED 3,070,055
ACTIVE IMPLANTS LLC 3,069,233
ACTIVE IMPLANTS LLC 3,069,234
ACTYM THERAPEUTICS, INC. 3,069,523
ADAMA MAKHTESHIM LTD. 3,069,619
ADAMS, GRANT A. 3,069,538
ADEYEMI, ADEKUNLE 3,069,581
ADHIKARI, RAJAN PRASAD 3,069,747
ADLER, GERALD D. 3,069,940
AELING, KIMBELY ANN 3,069,708
AERNI, HANS 3,069,321
AEYE, INC. 3,069,130
AFTERPAY PTY LTD 3,070,168
AGARWAL, ANIL KUMAR 3,070,073
AGILENT TECHNOLOGIES, INC. 3,069,728
AGOSTINI, FRANCK 3,070,028
AGRAWAL, SARVESH K. 3,069,535
AGRIMETIS, LLC 3,070,104
AGULNICK, ALAN D. 3,069,519
AHMAD, FAISAL R. 3,069,983
AHMAD, NADIA 3,069,720
AHMAD, RAZA 3,069,626
AHMED, HANY 3,069,499
AI, YANRAN 3,069,160
AIR COMPANY HOLDINGS, INC. 3,068,468
AIR LIQUIDE MEDICAL SYSTEMS 3,068,951
AIR LIQUIDE SANTE (INTERNATIONAL) 3,068,947
AIR LIQUIDE SANTE (INTERNATIONAL) 3,068,951
AIRES TRAPOTE, ANTONIO 3,069,195
AK STEEL PROPERTIES, INC. 3,069,235
AK STEEL PROPERTIES, INC. 3,069,236
AKASAKA, YUNIKE 3,069,406
AKBAR, SARAH 3,069,606
AKINC, AKIN 3,069,150
AKKARAKARAN, SONY 3,070,000
AL-BADRAN, MOHAMMAD SAUD 3,069,678
AL-QAHTANI, MOHAMMAD S. 3,068,968
ALASIBI, SAMAA 3,069,619
ALBEMARLE EUROPE SRL 3,069,260
ALBEMARLE EUROPE SRL 3,069,261
ALBERS, KARSTEN 3,068,539
ALBERT EINSTEIN COLLEGE OF MEDICINE, INC. 3,069,116
ALBERTIN, UWE K. 3,068,710
ALBRECHT, DAVID D. 3,069,740
ALCANIZ, JANA JUAN 3,069,260
ALCANIZ, JANA JUAN 3,069,261
ALCANTARA RESEARCH GROUP INC. 3,069,630
ALCANTARA, JOENEL 3,069,630
ALCON INC. 3,069,381
ALDERSON, PAUL 3,069,300
ALDIN, GREGORY R. 3,069,245
ALDOUS, KEITH K. 3,069,512
ALDRICH, JOHN 3,069,464
ALETTO, JR., EUGENE 3,069,957
ALEXANDER, MATTHEW, D. 3,069,138
ALEXION PHARMACEUTICAL, INC. 3,069,756
ALFANDARI, SHAI 3,069,278
ALFASIGMA S.P.A. 3,069,989
ALHOWASHLA, AYOUB 3,069,913
ALI, FARAZ 3,069,461
ALLART, BRIGITTE 3,069,038
ALLELE BIOTECHNOLOGY AND PHARMACEUTICALS, INC. 3,069,530
ALLEN, CATHLEEN 3,069,674
ALLEN, CHRISTOPHER 3,068,545
ALLENA PHARMACEUTICALS, INC. 3,069,197
ALLETTO, EUGENE JR. 3,069,953
ALLGEIER, MATTHEW CARL 3,069,948
ALLIGANT SCIENTIFIC, LLC 3,069,652
ALLSTATE INSURANCE COMPANY 3,069,511
ALMATECH SA 3,069,793
ALNYLAM PHARMACEUTICALS INC. 3,069,868
ALNYLAM PHARMACEUTICALS, INC. 3,069,451
ALOMAIRI, TURKI 3,069,001
ALPHA TECHNOLOGIES INC. 3,069,966
ALPINOV X 3,069,841
ALTERYX, INC. 3,069,534
ALTUR SANCHEZ, ANTONIO JAVIER 3,069,642
ALTUR SANCHEZ, SERGIO 3,069,642
ALVAREZ, JOSE OLIVERIO 3,069,325
AMAN, MOHAMMAD JAVAD 3,069,747
AMANTINI, DAVID 3,069,358
AMANULLAH, MD 3,069,662
AMARA, HICHEM 3,069,280
AMERASINGHE, CEDRIC 3,070,050
AMERICAN STERILIZER COMPANY 3,069,951
AMERICAN STERILIZER COMPANY 3,069,952
AMERICAN STERILIZER COMPANY 3,069,955
AMERICAN STERILIZER COMPANY 3,070,080
AMERSINGHE, CEDRIC 3,070,183
AMRA MEDICAL AB 3,069,611
ANALYTICS FOR LIFE INC. 3,069,833
ANALYTICS FOR LIFE INC. 3,069,891
ANAND, ASHISH 3,069,418
ANANDAN, SAMPATH-KUMAR 3,069,526
ANANTANENI, PRAKASA 3,069,435
ANASTASIO, ANIELLO 3,069,258
ANDE CORPORATION 3,069,668
ANDERSON, ANDREW 3,069,884
ANDERSON, COREY 3,069,720
ANDERSON, DAVID GREG 3,069,422
ANDERSON, JOSHUA 3,069,381
ANDERSON, KARIN 3,069,914
ANDERSON, PETER 3,069,420
ANDERSON, STEPHEN 3,069,462
ANDERSON, WAYNE 3,069,657

ANDERSSON, MARTIN 3,069,509
ANDRADE, ISAAC 3,069,482
ANDRES, PATRICIA 3,070,104
ANDRESEN, THOMAS L. 3,069,105
ANDREWS, RICHARD JOHN 3,069,300
ANDRIES, KOENRAAD JOZEF LODEWIJK MARCEL 3,069,069
ANDRITZ TECHNOLOGY AND ASSET MANAGEMENT GMBH 3,069,407
ANDRITZ TECHNOLOGY AND ASSET MANAGEMENT GMBH 3,069,636
ANGEL, BRETT 3,069,125
ANSARI, AMANTULLAH 3,070,073
ANTABIO SAS 3,070,036
ANTONNEAU, NATHAN 3,069,316
ANTONSEN, ROGER 3,069,306
ANVIL INTERNATIONAL, LLC 3,069,145
AOYAMA YOSHITAKA 3,069,109
AOYAMA, SHOJI 3,069,109
APHP (ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS) 3,070,178
API INTELLECTUAL PROPERTY HOLDINGS, LLC 3,069,649
APL TECHNOLOGY AS 3,068,937
APPLETON GRP LLC 3,069,502
AQUANOVA AG 3,069,621
ARBABIAN, MOHAMMAD AMIN 3,069,411
ARCHIBALD, THOMAS EDWIN 3,069,341
ARCONIC INC. 3,069,428
ARCONIC INC. 3,069,477
ARFAJ, MOHAMMED K. 3,069,662
ARGENZIANO, MONICA 3,069,628
ARIAS, A 3,068,626
ARIBERT, NICOLAS 3,069,268
ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA 3,068,989
ARKUS, ALAN J. 3,068,990
ARLANXEO DEUTSCHLAND GMBH 3,069,180
ARLANXEO DEUTSCHLAND GMBH 3,069,182
ARLANXEO DEUTSCHLAND GMBH 3,069,371
ARLANXEO DEUTSCHLAND GMBH 3,069,638
ARLANXEO DEUTSCHLAND GMBH 3,069,643
ARMINAK, ARMIN 3,069,421
ARMSTRONG, JON R. 3,069,828
ARPE, JAN 3,069,822
ARTERIOCYTE MEDICAL SYSTEMS, INC. 3,069,980
ARTMAN, GERALD, D., III 3,069,138
ARUMUGAM, VIJAYALAKSMI 3,069,720
ARVINAS OPERATIONS, INC. 3,069,544
ASGIAN, IULIANA LUCI 3,069,720
ASO, MAKOTO 3,069,396
ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOMATERIALES- CIC BMAGUNE 3,069,195
ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS 3,070,182
ASTON PARTICLE TECHNOLOGIES LIMITED 3,069,637
ATARASHI, KOJI 3,069,567
ATSMA, WILLEM J. 3,069,816
ATTWOOD, BRIAN CHRISTOPHER 3,069,675
AU YEUNG, KAR MING 3,069,260
AU YEUNG, KAR MING 3,069,261
AVANTOR PERFORMANCE MATERIALS, LLC 3,069,137
AVETISYAN KAJIKI, ASHOT 3,069,058
AVIANA MOLECULAR TECHNOLOGIES, LLC 3,069,076
AVIANA MOLECULAR TECHNOLOGIES, LLC 3,069,139
AVIANA MOLECULAR TECHNOLOGIES, LLC 3,069,148
AVIANA MOLECULAR TECHNOLOGIES, LLC 3,069,154
AX, HARALD 3,069,552
AYERS, MICHAEL 3,069,174
AYOUBI, NATHAN 3,069,816
AZAD PHARMA AG 3,069,058
AZZARO, STEVEN HECTOR 3,069,304
BABA, AKINORI 3,069,446
BABAEI, ALIREZA 3,069,759
BADIMON MAESTRO, LINA 3,058,250
BAE SYSTEMS PLC 3,069,099
BAE, JEE YEON 3,050,149
BAEK, MIN JI 3,050,149
BAEK, MIN JI 3,051,217
BAGWELL, RALPH DALE 3,069,815
BAKER HUGHES, A GE COMPANY, LLC 3,069,315
BAKER HUGHES, A GE COMPANY, LLC 3,069,867
BAKER, CHARLES L., JR. 3,069,535
BAKHOUM, SAMUEL F. 3,069,515
BAKKER, GEERT MARTEN 3,069,144
BAKKER, GEERT MARTEN 3,069,255
BALASINGHAM, MOHANADAS 3,068,649
BALESTRIERI, MARCO 3,069,258
BALI, ANNE PIHL 3,069,650
BALLARD POWER SYSTEMS INC. 3,069,324
BALTSAVIAS, SPYRIDON G. 3,069,411
BANERJEE, AISHWARYADEV 3,069,149
BANKS, CARL 3,069,900
BANKS, MELISSA 3,069,752
BARDY, BENOIT 3,069,758
BARNES, CHRISTOPHER NOEL 3,069,989
BARNHART, STEVEN MICHAEL 3,069,900
BARONIAN, MIKE 3,069,058
BARRESI, FRANCESCO 3,069,770
BARRETINA, JORDI 3,069,561
BARRONS, KYLE 3,069,420
BARTIG, KEVIN WAYNE 3,065,029
BARTIZAL, KENNETH 3,069,423
BARTOLI SOLE, RAMON 3,069,595
BASCIANO, AMANDA ELIZABETH 3,069,323
BASF COATINGS GMBH 3,070,148
BASF SE 3,069,802
BASF SE 3,069,815
BASF SE 3,070,031
BASF SE 3,070,177
BASF SE 3,070,179
BASHYAM, RAJESH 3,069,324
BASSTANIE, ESTHER DINA GUIDO 3,069,069
BATTELLE MEMORIAL INSTITUTE 3,069,954
BATTELLE MEMORIAL INSTITUTE 3,069,958
BATTEN, WILLIAM C. 3,069,401
BAUMGARTEN, ANDREW 3,069,749
BAUMGARTNER, BETTINA 3,070,020
BAWISKAR, SANTOSH S. 3,069,289
BAXALTA GMBH 3,069,295
BAXALTA GMBH 3,069,593
BAXALTA INCORPORATED 3,069,256
BAXALTA INCORPORATED 3,069,295
BAXALTA INCORPORATED 3,069,593
BAYER AKTIENGESELLSCHAFT 3,070,110
BAYER AKTIENGESELLSCHAFT 3,070,113
BAYER PHARMA AKTIENGESELLSCHAFT 3,069,193
BAYER S.A. 3,069,814
BEACH, JAMES 3,069,974
BEAGEN, JOSEPH 3,069,145
BEARDSLEE, THOMAS 3,069,708
BEARDSLEE, TOM 3,069,697
BECHTOLD, ROY A. 3,069,292
BECK, AURELIEN 3,069,615
BECK, DAVID P. 3,069,729
BECKERS, LUCAS JOHANNES ANNA MARIA 3,069,993
BECKHAM, RICHARD E. 3,069,503
BECTON DICKINSON FRANCE 3,069,818
BECTON DICKINSON FRANCE 3,069,873
BECTON DICKINSON FRANCE 3,069,878
BECTON, DICKINSON AND COMPANY 3,069,087
BECTON, DICKINSON AND COMPANY 3,069,124
BECTON, DICKINSON AND COMPANY 3,069,447
BECTON, DICKINSON AND COMPANY 3,070,065
BECTON. DICKINSON AND COMPANY 3,069,950
BEDGEAR, LLC 3,069,953
BEDGEAR, LLC 3,069,957
BEECH, DAVID 3,068,980

Index des demandes PCT entrant en phase nationale

BEFORE BRANDS, INC. 3,069,967
BEGEMANN, MATTHEW 3,069,634
BEHNAM, DARIUSH 3,069,621
BEIJING DIGITAL UNION WEB SCIENCE AND TECHNOLOGY COMPANY LIMITED 3,063,203
BEIJING GREATWAY PHARMACEUTICAL TECHNOLOGY CO., LTD. 3,069,776
BEISSER, NICOLAS 3,069,257
BELANGER, MARIO 3,069,577
BELICIU, COSMIN M. 3,069,967
BELL, JONATHAN RICHARD 3,070,080
BELL, STEVEN GRAHAM 3,046,444
BELLER, MATTHIAS 3,070,021
BELTMAN, ROBERT 3,069,618
BEN DAVID, TAMIR 3,069,278
BEN YAKAR, RUTH 3,069,558
BEN-DAVID, MOSHE 3,069,281
BENCK, JESSE DANIEL 3,069,866
BENOIT, HEATHER 3,068,464
BENSON HILL, INC. 3,069,634
BENTLEY, ALAN RAY 3,069,825
BENTLEY, ALAN RAY 3,069,845
BENTLEY, ALAN RAY 3,069,872
BENTLEY, ALAN RAY 3,069,906
BERGER, EITAN 3,069,991
BERGWERFF, JACOB ARIE 3,069,260
BERGWERFF, JACOB ARIE 3,069,261
BERKO, MALLORY 3,069,752
BERLIN, MICHAEL 3,069,544
BERNARD, JEAN-LUC 3,069,766
BERNER, ERIC 3,069,532
BERNINI, MARISTELLA 3,069,069
BERNREITNER, KLAUS 3,070,053
BEUTLER, JOHN A. 3,068,980
BEZAK, MICHAEL R. 3,069,166
BEZZERIDES, VASSILIOS 3,069,127
BGC PARTNERS, L.P. 3,069,680
BHAT, RAMAKRISHNA, PARAMESHWAR 3,069,107
BHATTAD, KAPIL 3,069,741
BHOUMIK, ANINDITA 3,069,519
BI, CHENGLONG 3,069,382
BIBB, DARCY 3,069,440
BIESHEUVEL, AREND CORNELIS JACOBUS 3,070,044
BIEWER, JOHN A. 3,069,664
BIEWER, JOHN A. 3,069,753
BIEWER, JOHN A. 3,069,761
BIHLMAIER, BRYAN 3,070,065
BIILMANN RONN, LARS CHRISTIAN 3,069,391
BINDER, JOACHIM 3,069,574
BINDER, JOSEPH JOHN 3,069,363
BIOCLONES PROPRIETARY LIMITED, TRADING AS GENIUS BIOTHERAPEUTICS 3,069,897
BIOCON LIMITED 3,069,107
BIOHERBICIDES AUSTRALIA PTY LTD 3,069,331
BIOMEDICAN, INC. 3,069,449
BIOMERICA, INC. 3,069,308
BIOMET SPORTS MEDICINE, LLC 3,069,688
BIOSIGHT LTD. 3,069,558
BIOSYNTIA APS 3,069,650
BIRKIN, JEFFREY 3,069,494
BITDEFENDER IPR MANAGEMENT LTD 3,069,053
BITTNER, CHRISTIAN 3,069,249
BITTNER, CHRISTIAN 3,069,250
BJERGAARD, ERIC 3,069,532
BLACKHAM, FRED DOUGLAS 3,069,942
BLAKE, ALEXANDER JAMES 3,069,447
BLAKE, ERIC 3,069,407
BLAKE, ERIC 3,069,636
BLATT, ALEXANDRA 3,068,673
BLAZER, BRADLEY JEROME 3,068,977
BLECHA, LUC 3,069,793
BLOOM, RYAN J. 3,069,828
BLUE UNIT A/S 3,070,033
BOARD OF REGENTS, UNIVERSITY OF TEXAS SYSTEM 3,069,693
BOBROWICZ, PIOTR 3,069,438
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 3,069,560
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 3,069,792
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 3,070,097
BOENSCH, AXEL 3,069,182
BOFFA, ALEXANDER BOWMAN 3,068,660
BOFFA, ALEXANDER BOWMAN 3,068,664
BOFFA, ALEXANDER BOWMAN 3,068,667
BOFFA, ALEXANDER BOWMAN 3,068,707
BOGUESS, BRIAN C. 3,069,510
BOHLING, JAMES 3,069,164
BOHLING, JAMES 3,069,170
BOISSY, LOIC 3,069,280
BOIX VALVERDE, JAUME 3,069,595
BONDAR, GALYNA 3,068,981
BONNELL, JASON 3,069,129
BONOMO, FRANCESCO 3,069,285
BOOKLESS, JOHN PATERSON 3,069,099
BOOL, LAWRENCE 3,069,739
BORAGNO, LUCA 3,069,271
BOREALIS AG 3,069,271
BOREALIS AG 3,069,272
BOREALIS AG 3,070,053
BORREL, PIERRE-JEROME 3,069,407
BORREL, PIERRE-JEROME 3,069,636
BORUDE, SUNIL SHANTWAN 3,069,282
BOSMA, SEBASTIAAN MENNO 3,069,369
BOSSAN, SEBASTIEN 3,069,577
BOSTON SCIENTIFIC SCIMED, INC. 3,069,748
BOUDESTIJN, DENNIS 3,069,111
BOUILLET, FABIEN 3,069,765
BOULANGER, THIERRY 3,068,947
BOULANGER, THIERRY 3,068,951
BOURDETTE, ARNAUD 3,069,049
BOUSSAD, KAMAL 3,069,512
BOUSSIE, THOMAS R. 3,069,521
BOYADZHIEV, IVAYLO 3,069,813
BRADY, BILL 3,069,238
BRATMAN, SCOTT VICTOR 3,069,754
BRAUN, TIMOTHY 3,069,532
BRAVO, FERNANDO 3,068,980
BRAY, GORDON, L. 3,069,138
BRAYER, EYAL 3,069,110
BREBION, FRANCK LAURENT 3,069,038
BRECHOT, CHRISTIAN 3,070,182
BREJZA, MATTHEW 3,069,482
BREWSTER, AMY 3,069,284
BRISTOL-MYERS SQUIBB COMPANY 3,069,311
BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED 3,069,653
BROCKER, ALINE 3,069,822
BRODY, LESLIE 3,069,245
BROMBACH, JOHANNES 3,069,797
BROMBACH, JOHANNES 3,069,877
BRONK, MATTHEW 3,069,316
BRONSHTEIN, VICTOR 3,069,444
BROWN, IAN WARREN 3,069,334
BROWN, KEVIN 3,069,972
BROWN, KEVIN 3,069,975
BROWN, MICHAEL 3,069,694
BROZEK, JOHN 3,070,038
BRUN, MICHEL 3,069,269
BUBLEWITZ, ALEXANDER 3,070,150
BUBLEWITZ, ALEXANDER 3,070,174
BUCHALOVA, MARIA 3,069,345
BUCHALOVA, MARIA 3,069,492
BUCHHOLZ, MATTHEW J. 3,069,426
BUCHHOLZ, MATTHEW J. 3,069,508
BUCK, GUNTER 3,069,782
BUCKMAN LABORATORIES INTERNATIONAL, INC. 3,070,137
BUHMANN, JESKA 3,069,758
BUKUNAKERE, RAMCHANDRAGOWDA THEJASWI 3,069,791
BULARD, PHILIPPE 3,069,280
BULLEN, TIM 3,069,884
BUND, TIMO 3,069,035
BUNK, SEBASTIAN 3,069,610
BUNK, SEBASTIAN 3,069,842
BUR, SEBASTIEN 3,069,841
BURATTI, MARCO 3,069,072
BURCIAGA, DANIEL A. 3,069,675
BURGMAN, JOHN W. 3,069,525
BURKHOLZ, JONATHAN KARL 3,070,065
BURNS, DAVID 3,069,458
BURNS, STEPHEN S. 3,068,990
BURRELL, CHRISTOPHER 3,069,435
BURTON, ALLEN W. 3,069,380
BURTON, TIMOTHY 3,069,833
BURTON, TIMOTHY 3,069,891
BUSON, GENNY 3,070,025
BUSSOTTO, LORENZO 3,069,892

BUTLER, CHARLES 3,069,061
BUXTON, PETER 3,069,060
BUZAN, JAMES B. 3,069,151
BYKOVA, KATRINA 3,069,238
BYRD, DANIEL J. 3,070,146
C-HEAR, INC. 3,068,996
CA CASYSO GMBH 3,069,433
CABEAU, INC. 3,069,313
CABEAU, INC. 3,069,566
CABLE, ALEX 3,069,723
CABLE, FRANK 3,069,752
CABOT CORPORATION 3,069,940
CADOU, SYLVAIN 3,069,768
CADOU, SYLVAIN 3,069,769
CAFARO, NICHOLAS G. 3,069,507
CAFFARO, CAROLINA 3,069,321
CAFFITALY SYSTEM S.P.A. 3,069,368
CAFFITALY SYSTEM S.P.A. 3,069,373
CAGANLAR, CAGLAR 3,069,413
CAI, JIANFENG 3,069,736
CAI, QUAN 3,069,181
CALCHAN LIMITED 3,069,358
CALDERA, FABRIZIO 3,069,628
CALIFORNIA SAFE SOIL, LLC 3,069,807
CALIXTO SALATTI, RAFAEL 3,070,026
CALL, DERICK 3,069,900
CALVO, CHRISTOPHER 3,069,507
CAMACHO GOMEZ, JUAN 3,069,273
CAMERON, JOHN NICOLAS 3,069,945
CAMMAROTA, CARINA CLAUDIA 3,069,501
CAMP, JOANNE LOUISE 3,069,720
CAMPBELL, CURTIS BAY 3,068,660
CAMPBELL, CURTIS BAY 3,068,664
CAMPBELL, CURTIS BAY 3,068,667
CAMPBELL, CURTIS BAY 3,068,707
CAMPBELL, DOUG 3,070,068
CAMPBELL, JAMES N. 3,069,540
CAMPBELL, SIMON 3,069,046
CAN TECHNOLOGIES, INC. 3,069,851
CANTLEY, LEWIS C. 3,069,515
CAO, BIN 3,069,525
CAO, YE 3,069,632
CAPPASITY INC. 3,069,183
CAPUANO, FEDERICO 3,069,258
CARBONARO, MARK 3,069,529
CARDINAL IG COMPANY 3,069,532
CAREFUSION 2200, INC. 3,069,949
CARLISLE BRAKE & FRICTION, INC. 3,069,458
CARLSON, DAVID CHARLES 3,069,318
CARMAT 3,069,763
CARMI, DORON 3,069,991
CARMICHAEL, JAMES 3,069,138
CARNALI, JOSEPH ORESTE 3,069,412
CARNEY, MICHAEL J. 3,065,029
CARPENTER TECHNOLOGY CORPORATION 3,069,771
CARR, MARCUS EUGENE, JR. 3,069,880
CARRANCIO, SORAYA 3,069,138
CARRARO, BRUNO 3,069,310
CARRASCO, REINALDO G. 3,069,151
CARREL, FRANCK 3,069,818
CARREL, FRANCK 3,069,873
CARRIER CORPORATION 3,069,426
CARRIER CORPORATION 3,069,508
CARROLL, CHRISTOPHER LAWRENCE 3,069,693
CARTER, ENDA F. 3,069,439
CARTWRIGHT, JASON 3,069,949
CARUTHERS, RODGER W. 3,069,507
CASANOVA RIGAT, ISOLDA 3,069,775
CASSELLIE LTD 3,069,608
CASSELLIE LTD 3,069,648
CASSOTTI, ALESSANDRO 3,069,375
CASSOTTI, ALESSANDRO 3,069,378
CASSUDAKIS, ALEXI 3,069,674
CASTELLI, CHRISTOPHE 3,069,883
CASTILLO, LOGAN 3,068,464
CASTRO PALOMINO LARIA, JULIO 3,069,273
CATE, JAMES HARRISON DOUDNA 3,068,461
CATHERS, BRIAN E. 3,069,138
CAVALLI, ROBERTA 3,069,628
CELGENE CORPORATION 3,069,138
CELLECTIS 3,069,557
CENNAMO, VINCENZO 3,069,569
CENTANNI, MICHAEL A. 3,069,951
CENTANNI, MICHAEL A. 3,069,952
CENTANNI, MICHAEL A. 3,069,955
CENTRE HOSPITALIER ET UNIVERSITAIRE DE MONTPELLIER 3,069,758
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,069,617
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,070,178
CENTREXION THERAPEUTICS CORPORATION 3,069,540
CENTRIPETAL NETWORKS, INC. 3,069,437
CENTRIPETAL NETWORKS, INC. 3,069,971
CESPEDES NAVARRO, MARIA VIRTUDES 3,069,775
CHAIN, WILLIAM 3,068,980
CHAKRABORTY, SOMA 3,069,315
CHAKRAVARTHY, ANKUR RAVINARAYANA 3,069,754
CHAKRAVARTY, SARVAJIT 3,070,073
CHALLAS, FLORENT 3,069,883
CHALOUPLI, NAQI NAJAFI 3,069,346
CHANDRAN, RAVI 3,069,675
CHANDRARATNA, ROSHANTHA A. 3,069,672
CHANDRARATNA, ROSHANTHA A. 3,069,676
CHANG, CHIENLIU 3,069,411
CHANG, ERIC 3,069,124
CHANG, JIMMY JUN-FU 3,069,706
CHANG, JIN SOOK 3,051,217
CHANTEUX, HUGUES 3,069,172
CHAPMAN, JOHN RAYMOND 3,069,980
CHAPMAN, MIRANDA 3,069,256
CHAPMAN, MIRANDA 3,069,295
CHARLES AUSTEN PUMPS LTD. 3,070,046
CHARLES AUSTEN PUMPS LTD. 3,070,049
CHARLTON, KEITH ALAN 3,070,034
CHAUDHARY, BHARAT 3,069,291
CHAUDHARY, BHARAT I. 3,069,289
CHAUHAN, SATYA P. 3,069,954
CHAUHAN, SATYA P. 3,069,958
CHAUMOT, ARNAUD 3,069,879
CHAUVIN, RENE 3,069,310
CHAUVIN, RENE 3,069,961
CHEAL, SARAH M. 3,069,140
CHEIKH, STEPHANE 3,069,784
CHEMETALL GMBH 3,069,395
CHEMPARTNER CORPORATION 3,069,693
CHEN, CHING-YEH 3,069,635
CHEN, DAZHI 3,069,597
CHEN, DAZHI 3,069,601
CHEN, DAZHI 3,070,011
CHEN, HAO 3,069,594
CHEN, HONGSHENG 3,069,365
CHEN, JENG-TING 3,069,701
CHEN, JIYUN 3,070,073
CHEN, LIANG 3,069,773
CHEN, MI 3,069,432
CHEN, SHUHUI 3,069,829
CHEN, TAIHAI 3,069,482
CHEN, WANSHI 3,069,504
CHEN, WANSHI 3,069,711
CHEN, WANSHI 3,069,757
CHEN, WEICHAO GEORGE 3,069,226
CHEN, WEILIAM 3,069,155
CHEN, WEILIAM 3,069,159
CHEN, XIANMING 3,069,783
CHEN, XIN 3,069,544
CHEN, YANG 3,070,004
CHEN, YULIN 3,069,374
CHEN, ZHIHAO 3,069,231
CHEN, ZHONGYING 3,069,542
CHEN, ZHONGYING 3,069,543
CHEN, ZHUI 3,069,602
CHENG, CHANGCHUNG 3,069,773
CHENG, JEMMIE 3,069,179
CHENG, QIUXIANG 3,069,788
CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD. 3,069,597
CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD. 3,069,601
CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD. 3,070,011
CHERPECK, RICHARD E. 3,069,616
CHERPECK, RICHARD E. 3,069,623
CHERPECK, RICHARD E. 3,069,627
CHEVRON JAPAN LTD. 3,068,707
CHEVRON JAPAN LTD. 3,069,620
CHEVRON ORONITE COMPANY LLC 3,068,660

CHEVRON ORONITE COMPANY LLC 3,068,664
CHEVRON ORONITE COMPANY LLC 3,068,667
CHEVRON ORONITE COMPANY LLC 3,068,707
CHEVRON ORONITE COMPANY LLC 3,069,616
CHEVRON ORONITE COMPANY LLC 3,069,620
CHEVRON ORONITE COMPANY LLC 3,069,623
CHEVRON ORONITE COMPANY LLC 3,069,627
CHEVRON ORONITE SAS 3,068,660
CHEVRON ORONITE SAS 3,068,664
CHEVRON ORONITE SAS 3,069,627
CHEVRON ORONITE TECHNOLOGY B.V. 3,068,664
CHEVRON ORONITE TECHNOLOGY B.V. 3,068,667
CHEVRON ORONITE TECHNOLOGY B.V. 3,069,623
CHEVRON U.S.A. INC. 3,068,710
CHEVRON U.S.A. INC. 3,069,616
CHEVRON U.S.A. INC. 3,069,627
CHEVRON USA INC. 3,069,623
CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD. 3,069,829
CHIANG, CASPER W. 3,069,131
CHILDREN'S NATIONAL MEDICAL CENTER 3,069,123
CHILDRENS' MEDICAL CENTER CORPORATION 3,069,127
CHILTON, MARY-DELL 3,069,542
CHILTON, MARY-DELL 3,069,543
CHINA UNIVERSITY OF MINING AND TECHNOLOGY 3,050,897
CHINA UNIVERSITY OF MINING AND TECHNOLOGY 3,054,041
CHINYERE, IKEOTUNYE R. 3,068,989
CHIOCCHETTI, MARIO GIONI 3,069,551
CHIPPEWA DATA CONTROL LLC 3,069,419
CHIVILY, PHIL 3,070,068
CHO, HELEN KIM 3,069,363
CHOE, JUNG WOO 3,069,411
CHOI, IN YOUNG 3,069,119
CHOI, SEUNG-HAK 3,068,968
CHOMVONG, KULIKA 3,068,461
CHON, JAMES Y. 3,069,381
CHOUDHURY, NILESH 3,070,009
CHOW, KENNETH SIU-KIN 3,069,541
CHOWERS, YEHUDA 3,068,673
CHRISTENSEN, SOREN 3,069,391
CHRISTIANSEN, TROY OSMOND 3,069,313
CHRISTOFI, NICOLAS 3,069,816
CHU, CATHY 3,068,609
CHU, JAMES C.H. 3,069,861
CHUANG, TZU-DER 3,069,635
CHUAQUI, CLAUDIO EDMUNDO 3,069,683
CHUNG, DEMICHAEL 3,069,432
CHURCHHILL, ROBIN K. 3,070,078
CIBLAT, STEPHANE 3,069,683
CIDARA THERAPEUTICS, INC. 3,069,423
CIMORELLI, MICHAEL 3,069,125
CIPOLLO, PETER MICHAEL 3,069,541
CIPRIANY, BENJAMIN 3,069,983
CIRRIEZ, VIRGINIE 3,069,266
CIRRIEZ, VIRGINIE 3,069,270
CITRIX SYSTEMS, INC. 3,069,441
CIZERON, JOEL 3,069,314
CJ CHEILJEDANG CORPORATION 3,050,149
CJ CHEILJEDANG CORPORATION 3,051,217
CJ CHEILJEDANG CORPORATION 3,069,404
CJ CHEILJEDANG CORPORATION 3,069,786
CLAIREAUX, CORINNE 3,069,766
CLARITY MONEY, INC. 3,069,987
CLARK, JEFFERY CALEB 3,069,435
CLARK, RICHARD 3,069,960
CLARK, TRAVIS 3,069,469
CLARKE, ANTHONY 3,070,055
CLARKE, ELIZABETH JANE 3,069,253
CLARKE, PATRICK J. 3,068,986
CLATTERBUCK, TODD O. 3,069,440
CLERC, STEVE 3,070,003
CLEVELAND RANGE, LLC 3,069,329
CLICK, CAROL A. 3,069,436
CLINIQUE BEAU-SOLEIL 3,069,758
COCHEN DE COCK, VALERIE 3,069,758
COCKLE, PAUL JASON 3,069,363
CODALLOS, DANIEL, JR. 3,069,339
COE, WILLIAM B. 3,069,317
COFACTOR GENOMICS, INC. 3,069,828
COHEN, MARC 3,069,353
COHEN, OFIR 3,069,913
COHN, RONALD D. 3,069,338
COIN, LACHLAN JM 3,069,481
COLBURN, ALEX 3,069,813
COLLARD, JESSE 3,068,996
COLLARD-HARMON, ADENA 3,068,996
COLLINS, JULIA 3,069,131
COLOMA GONZALEZ, JUAN 3,069,894
COMITA-PREVOIR, JANELLE 3,059,773
COMITT WELL SOLUTIONS US HOLDING INC. 3,069,306
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES (CEA) 3,070,178
COMPASS THERAPEUTICS LLC 3,069,438
CONMED CORPORATION 3,069,666
CONNERS, PATRICK 3,068,990
CONNOLLY, THOMAS 3,069,983
CONOCOPHILLIPS COMPANY 3,069,151
CONOCOPHILLIPS COMPANY 3,069,710
CONSORCIO CENTRO DE INVESTIGACION BIOMEDICA EN RED, M.P. 3,069,595
CONSORCIO CENTRO DE INVESTIGACION BIOMEDICA EN RED, M.P. 3,069,775
CONSTANTIA PIRK GMBH & CO. KG 3,055,321
CONSUL DE MORAES, ALICE APAREDICA 3,069,184
CONTINENTAL REIFEN DEUTSCHLAND GMBH 3,069,192
CONTRAFECT CORPORATION 3,069,679
CONYNGHAM, MARK 3,070,137
COOK, DAVID 3,069,130
COOK, MATTHEW 3,069,961
COOPER, SCOTT P. 3,069,436
CORBERAN ROC, ROSA 3,070,031
CORBO, MARK 3,069,677
CORDELAIR, MARCO 3,069,489
CORDONNIER, GENEVIEVE 3,070,038
CORNELL UNIVERSITY 3,069,515
CORNING RESEARCH & DEVELOPMENT CORPORATION 3,068,977
CORNYN, CHRISTOPHER 3,069,967
CORREA, MATTHEW, D. 3,069,138
COTIE, ARLENE GRACE 3,069,815
COULL, JAMES M. 3,070,058
COULON, ANTOINE 3,069,615
COUPARD, VINCENT 3,069,268
COURTEMANCHE, GILLES 3,069,046
COUTTE, FRANCOIS 3,069,760
COUTURE, LARRY A. 3,069,805
CRAIN, STEPHEN G. 3,069,224
CREO MEDICAL LIMITED 3,070,035
CRESO PHARMA SWITZERLAND GMBH 3,069,887
CREW, ANDREW P. 3,069,544
CREWS, CRAIG M. 3,069,544
CRISTALFARMA S.R.L. 3,069,285
CRNKOVICH, MARTIN JOSEPH 3,069,229
CROCKETT, PAUL 3,069,471
CROS, JEAN-MANUEL 3,069,787
CROSS, JASON BRYANT 3,069,693
CROSS, JOSHUA SETH MARK 3,069,313
CRRC MEISHAN CO., LTD. 3,069,778
CRUMP, ROBERT 3,069,284
CRYPTOMATHIC LTD 3,068,545
CSUTAK, SEBASTIAN 3,069,429
CTC GLOBAL CORPORATION 3,070,077
CUBEX LLC 3,069,460
CUDDAPAH, AVINASH 3,069,461
CUI, JINGRONG JEAN 3,069,232
CUI, WEIBIN 3,069,134
CUMMINGS, CRAIG ANTHONY 3,069,469
CUMMINS, MARTY 3,069,533
CUNNINGHAM, VINCENT 3,069,001
CURRIE, MARK G. 3,070,082
CURTIS, JOHNNY 3,069,850
CURTIS, STEPHEN M. 3,069,505

Index of PCT Applications Entering the National Phase

CYBAGE SOFTWARE PRIVATE LIMITED 3,069,279
CYRUS CREATIONS LLC 3,070,075
CYTOMX THERAPEUTICS, INC. 3,069,804
D'ALISE, ANNA MORENA 3,069,051
D'AMOUR, KEVIN ALLEN 3,069,519
D'ANGELO, IGOR EDMONDO PAOLO 3,069,254
D'HONDT, ERIK 3,070,034
D'SOUZA, BRENNON 3,069,474
DAGENAIS, PETER C. 3,069,293
DAHLQVIST LEINHARD, OLOF 3,069,611
DAHMASH, EMAN 3,069,637
DAI, BO 3,069,783
DAIO PAPER CORPORATION 3,060,037
DAIRYIONICS LTD 3,069,110
DALLA BELLA, SIMONE 3,069,758
DAMM, LOIC 3,069,758
DAMON, KENNETH H. 3,069,388
DAMSTEDT, BRADLEY D. 3,069,739
DANA-FARBER CANCER INSTITUTE, INC. 3,069,181
DANIELE, ANDREW N. 3,069,440
DANZIGER, YOCHAY 3,068,659
DARBE, ROBERT 3,069,727
DARLUCIO, JAMES ROQUE 3,069,137
DARNAUD, MARION 3,070,182
DART NEUROSCIENCE, LLC 3,069,432
DARUWALA, PAUL 3,069,423
DAS, SAZOL KUMAR 3,069,499
DAS, SOUMEN 3,069,139
DAS, SOUMEN 3,069,148
DAUGHENBAUGH, RANDY E. 3,069,121
DAUGHENBAUGH, RANDY E. 3,069,166
DAUPHIN, MAXIME 3,069,879
DAVE, RAJENDRA MOHANLAL 3,069,412
DAVIES, DAVID THOMAS 3,070,036
DAVIES, IAN 3,069,680
DAVIES, MARK C. 3,069,718
DAVIS, CHRIS 3,069,458
DAVY, CATHERINE 3,070,028
DAWSON, RAMON C. 3,069,252
DAYARATHNA, THAMARA 3,069,827
DDP SPECIALTY ELECTRONIC MATERIALS US, INC. 3,069,286
DDP SPECIALTY ELECTRONIC MATERIALS US, INC. 3,069,690
DDW GLOBAL HOLDINGS, LLC. 3,069,789
DE BILBAO, EMMANUEL 3,069,615
DE CARVALHO, DANIEL DINIZ 3,069,754
DE GRAAFF, GERBRAND KRISTIAAN 3,069,300
DE GROOT, ESTER 3,069,800
DE LIMA, SERGIO LUIZ 3,069,591
DE LUCCA, INDAWATI 3,069,311
DE SENNA, ANTOINETTE 3,069,967
DE STEFANO, LUCA 3,069,258
DE VILLIERS, ETHEL-MICHELE 3,069,035
DE WALS, PIERRE-YVES 3,069,708
DE WIJS, WILLEM-JAN AREND 3,070,023
DEARTH, CHRISTOPHER 3,069,420
DEBUYS, LAURA 3,069,245
DECAMPS, ALEXANDRE 3,069,879
DECHANT, STEPHEN P. 3,069,136
DECKWER, ROLAND 3,069,815
DEFREITAS, KENNETH F. 3,069,752
DEIGNAN, PAUL BRYAN 3,069,691
DEITTERT, MARKUS 3,069,099
DEL BONO, MARIA CRISTINA 3,069,285
DEL MONACO, VALENTINA 3,070,025
DEL RIO, FABIEN 3,069,883
DELANEY, PAUL 3,069,608
DELANEY, PAUL 3,069,648
DELAVAL HOLDING AB 3,070,129
DELECROIX, ARNAUD 3,069,760
DELFOSSE, FREDERIC 3,069,049
DELILE, SEBASTIEN 3,069,764
DELL, ADAM 3,069,987
DELL, BRUCE ROBERT 3,069,344
DEMAURO, PHIL 3,070,068
DEMETRIOU, VIAS 3,069,102
DEMIGLIO, ANDREW 3,069,532
DEMMER, DAVID R. 3,069,130
DEN OUDEN, HENRICUS JOHANNES CORNELIS 3,069,521
DENG, GUIJUN 3,069,867
DENG, HAIBING 3,069,602
DENG, MARIO 3,068,981
DENG, TAO 3,069,778
DENG, WEI 3,069,232
DENNIS, JOHN 3,063,297
DENTRO, NIELS 3,069,111
DENTSPLY SIRONA INC. 3,069,737
DENTSPLY SIRONA INC. 3,069,968
DEPLA, ERIK 3,069,930
DESAI, PIYUSH 3,069,326
DESATNIK, BRAD 3,069,458
DESCHENES, ERIC 3,069,995
DESHPANDE, ADITI R. 3,069,197
DESJARDINS, NICOLAS 3,069,277
DESLAURIER, GREGORY A. 3,069,151
DESNOYERS, LUC ROLAND 3,069,804
DESPLAND, CLAUDE-ALAIN 3,070,050
DESPLAND, CLAUDE-ALAIN 3,070,183
DEUTSCH, ERIC 3,069,612
DEUTSCHES KREBSFORSCHUNGSZENTRUM 3,069,035
DEUTSH, MENNY 3,069,161
DEVAPPA, HARSHA N. 3,069,502
DEVLIN, MATTHEW 3,069,135
DEYI PHARMACEUTICAL LTD. 3,068,879
DHANDA, MUNGAL SINGH 3,069,741
DHEDA, KEERTAN UNKHA JAIRAM 3,069,897
DI FRANCESCO, MARIA EMILIA 3,069,693
DIAMANTI, MAURIZIO 3,069,368
DIAMANTI, MAURIZIO 3,069,373
DIAMOND ELECTRIC MFG. CORP. 3,069,691
DIAMOND, GARY M. 3,069,521
DIAS, ERIC L. 3,069,521
DIAZ CARMENA, ANGEL 3,070,185
DIBBZZ INC. 3,069,474
DICKINSON, JAMES EDWARD 3,069,340
DIEN, VIVIAN T. 3,069,321
DIJKSTRA, HIELKE 3,069,633
DINAN, ESMAEL 3,069,759
DING, CHANGLIN 3,069,365
DING, CHARLES Z. 3,069,829
DING, XIAO 3,069,554
DION, DOMINIQUE 3,069,888
DION, DOMINIQUE 3,069,890
DIXON, KEVIN 3,069,313
DJURASEVICH, DANNY 3,069,471
DOBRENIZKI, LADISLAUS 3,069,607
DOBROVOLNY, WALTER 3,069,538
DOBSON, JAMES 3,069,677
DOBSON, PETER 3,069,884
DODD, DAVID 3,069,985
DOHRING, EDWARD J. 3,069,657
DOKOU, ELENI 3,068,609
DOLGOV, DMITRI 3,069,730
DOLL, KRYSTEN 3,070,040
DOLL, PAUL 3,069,164
DOLLE, ROLAND ELLWOOD 3,069,809
DOMBKOWSKI, ASHLEY 3,069,967
DONALDSON, SUSAN FUNDY 3,069,525
DONG, HANQING 3,069,544
DONG, SHUJIE 3,069,542
DONG, XIAOYUAN 3,070,077
DOOMRA, ABHINAV 3,069,833
DOOMRA, ABHINAV 3,069,891
DORE, JOEL 3,070,182
DOSSI, ELENA 3,070,178
DOTOV, DOBRI 3,069,758
DOUGAN, DAVID S. 3,069,531
DOUGLAS, KATHLEEN M. 3,070,012
DOUGLAS, KATHRYN 3,069,750
DOUGLAS, ROBERT E. 3,070,012
DOUSSET, JEAN 3,069,528
DOW GLOBAL TECHNOLOGIES LLC 3,069,164
DOW GLOBAL TECHNOLOGIES LLC 3,069,170
DOW GLOBAL TECHNOLOGIES LLC 3,069,247
DOW GLOBAL TECHNOLOGIES LLC 3,069,289
DOW GLOBAL TECHNOLOGIES LLC 3,069,291
DRAGAS, THORSTEN 3,069,546
DRAGO, CARMELO 3,069,104
DREUX, PETER C. 3,069,289
DREXEL UNIVERSITY 3,069,125
DROLL, MARTIN 3,069,395
DU PLESSIS, DAVID JOHANNES FRANCOIS 3,069,369
DUAN, SHUYU 3,069,170
DUBE, VINOD PURUSHOTTAM 3,069,282

DUBUIS, PASCAL 3,069,763
DUCHATEAU, PHILIPPE 3,069,557
DUKES, SIMON PAUL 3,069,518
DUMOULIN, NADEGE 3,069,548
DUPAGE, AMY GRACE 3,069,804
DURAND-REVILLE, THOMAS FRANCOIS 3,059,773
DURASTAT LLC 3,069,422
DUSSAN, LUIS CARLOS 3,069,130
DUTHION, BERANGER 3,069,038
DUY, TAM NGUYEN 3,069,814
DWIVEDI, DHRUVA 3,069,196
EARLY, SIMON ROBERT 3,069,098
EBERHARDT, EUGENE 3,069,456
EBERT, SOFIA ROSA 3,069,249
EBERT, SOPHIA ROSA 3,069,250
EBTRON, INC. 3,069,531
ECHAVARREN, ANTONIO 3,068,980
ECOLAB USA INC. 3,069,435
ECOLAB USA INC. 3,069,500
ECOLE CENTRALE DE LILLE 3,070,028
ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL) 3,069,655
ECOMATION OY 3,068,541
ECONTROLS, LLC 3,069,342
EFFERTZ, CHRISTIAN 3,069,546
EGEBJERG, JAN 3,069,391
EGERMANN, PATRICK 3,070,028
EHNERD, ZACHARY 3,069,437
EICHER, JOACHIM CARL HERBERT 3,069,792
EIDEM, MORTEN 3,069,810
EILINGHOFF, RON 3,069,395
EISAI R & D MANAGEMENT CO., LTD. 3,069,160
EISSES, JAN 3,069,835
EKSTROM, PER 3,069,586
EL BKASSINY, SANDY 3,069,038
EL GHAZOUANI, ABDELNASSER 3,069,760
ELGSAETER, STEINAR 3,069,410
ELI LILLY AND COMPANY 3,069,254
ELI LILLY AND COMPANY 3,069,948
ELICA S.P.A 3,069,892
ELLIMAN, STEPHEN J. 3,069,805
ELLINGER, STEFAN 3,070,021
ELLIOTT, IAN G. 3,069,616
ELLIOTT, IAN G. 3,069,623
ELLIOTT, IAN G. 3,069,627
ELSNER, JONATHAN J. 3,069,233
ELSNER, JONATHAN J. 3,069,234
EMADIKOTAK LAHIDJANI, DARIUS 3,069,398
EMADIKOTAK LAHIDJANI, MAXIME 3,069,398
EMBRY, CARL W. 3,069,305
EMBRY, CARL W. 3,069,309
EMERSON, RONALD 3,069,457
EMULATE, INC. 3,069,742
ENDO-THERAPEUTICS, INC. 3,069,450
ENDOTRONIX, INC. 3,069,230
ENDRESS+HAUSER WETZER GMBH+CO. KG 3,069,848
ENGELMAN, JEFFREY 3,069,564
ENGINEERED FLOORS LLC 3,069,320
ENGLUND, MARK ANDREW 3,070,086
ENTASIS THERAPEUTICS, INC. 3,059,773
EPICENTRX, INC. 3,069,004
EPISODE SOLUTIONS, LLC 3,069,750
EPOCH LACROSSE LLC 3,069,901
EPSTEIN, RYAN J. 3,069,514
EQUALAIRE SYSTEMS, INC. 3,069,963
EQUINOR ENERGY AS 3,069,410
EQUINOR ENERGY AS 3,069,810
ERBE, DAVID 3,069,868
ERBE, DAVID V. 3,069,451
ERDOGAN, ARGUN OLCAYTO 3,069,316
ERGUN, ARIF SANLI 3,069,411
ERLICH, MAYA 3,069,359
ERVIN, KEITH 3,069,956
ESCH, WILLIAM L. 3,069,503
ESCO GROUP LLC 3,070,078
ESKAROS, SHERIF A. 3,068,965
ESKIOCAK, UGUR 3,069,438
ESSEGHIR, MOHAMED 3,069,247
ESTEVEZ, RAMON 3,069,748
EUCLIDEON HOLOGRAPHICS PTY LTD 3,069,344
EUROVIA 3,069,049
EVANS, KENNETH MICHAEL 3,068,874
EVERETT, MARTIN 3,070,036
EVERMANN, DANIEL 3,069,383
EVERMANN, DANIEL 3,069,592
EVOLUCARE TECHNOLOGIES 3,068,952
EVONIK OPERATIONS GMBH 3,069,549
EVOQUA WATER TECHNOLOGIES LLC 3,069,316
EVOQUA WATER TECHNOLOGIES LLC 3,069,518
EWENSTEIN, BRUCE 3,069,256
EWENSTEIN, BRUCE 3,069,295
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,069,380
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,069,465
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,069,467
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,069,512
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,069,535
EXXONMOBIL UPSTREAM RESEARCH COMPANY 3,069,128
EXXONMOBIL UPSTREAM RESEARCH COMPANY 3,069,322
EXXONMOBIL UPSTREAM RESEARCH COMPANY 3,069,503
F. HOFFMANN-LA ROCHE AG 3,069,073
FABIO PERINI S.P.A. 3,069,551
FABRIZIO, DAVID 3,069,469
FAFARMAN, AARON 3,069,125
FAHLE, DANIEL 3,069,478
FAIRALL, EARL 3,069,326
FAIRFIELD, NATHANIEL 3,069,730
FAIRHURST, STUART 3,069,420
FAIRWEATHER, MITCH 3,069,505
FAIVRE, JAMILA 3,070,182
FALCONER, DEREK JOHN 3,069,363
FALLON, JONATHAN K. 3,069,238
FAN, RONG 3,069,314
FANG, HUIYING 3,069,783
FANG, JINGJING 3,069,392
FANNING, LEV TYLER DEWEY 3,069,720
FARH, KAI-HOW 3,064,226
FARLEY, MARK HARRISON 3,069,381
FARQUHARSON, IAN 3,069,064
FAST, JONAS 3,069,073
FATYEYEVA, KATERYNA 3,069,763
FEDDEMA, CHAD 3,069,746
FEDENIA, ADAM 3,069,949
FELDMAN, AARON W. 3,069,321
FELLER, ROLF 3,069,371
FELLER, ROLF 3,069,638
FELLER, ROLF 3,069,643
FERGUSON, DAVID GEORGE 3,069,514
FERGUSON, FLEUR M. 3,069,181
FERGUSON, JOHN 3,069,420
FERGUSON, SAMUEL ANDREW SETON 3,069,959
FERNANDES, JOANA 3,069,869
FERNANDES, JOANA 3,070,043
FERNANDEZ, JAVIER H. 3,069,440
FERREIRA, VALERIE 3,069,194
FERTE, CHARLES 3,069,612
FESTY, FRANCK 3,069,600
FIELDS, STEPHEN CRAIG 3,070,104
FIFE, KEITH G. 3,069,974
FINER, MITCHELL H. 3,069,821
FIORINA, CHRISTOPHER M. 3,069,477
FISCHER, EMIL C. 3,069,321
FISCHER, JAN ROBIN 3,069,401
FISCHER, SVEN 3,069,741
FISKARS BRANDS, INC. 3,069,136
FITZGERALD, KEVIN 3,069,868
FITZPATRICK, JAMES J. 3,069,439
FIX, KATHLEEN A. 3,069,955
FLAISHON, LIAT 3,069,558
FLETCHER, HESTER C. 3,069,729
FLEX FILMS (USA), INC. 3,069,965
FLIEGL AGRO-CENTER GMBH 3,069,075
FLIEGL, JOSEF, SEN. 3,069,075
FLORES, MICHAEL P. 3,069,729
FLOW CONTROL LLC. 3,069,297
FLUCK, JORDAN N. 3,069,329
FNV IP B.V. 3,069,640
FNV IP B.V. 3,069,644
FNV IP B.V. 3,069,646
FOLDVARI, MARIANNA 3,069,762
FOLEY, ADAM J. 3,069,439
FORAGE GENETICS INTERNATIONAL, LLC 3,069,945
FOROUGH, CYRUS 3,070,075
FORTEMAR NAVEGACAO LTDA. 3,069,591

FOUNDATION MEDICINE, INC. 3,069,469
FOWLER, MARCEL 3,069,495
FOX-ROBICHAUD, ALISON 3,069,196
FRANCIS, ARTHUR W. 3,069,739
FRANCISCO LISBOA SANTOS, HUGO 3,069,497
FRANCISKOVICH, PHILLIP P. 3,069,951
FRANCISKOVICH, PHILLIP P. 3,069,952
FRANCISKOVICH, PHILLIP P. 3,069,955
FRANK, JORDAN 3,069,647
FRANKE, DIETMAR 3,069,653
FRANKE, MANFRED 3,069,424
FRANKLIN, CRAIG R. 3,069,923
FRANZ, INC. 3,069,116
FRATTINI, ELISABETTA 3,069,055
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,069,241
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,069,403
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,069,656
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,069,772
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,070,091
FRECH NABOLD, CHRISTIAN 3,069,058
FREDRICK, ARON 3,069,816
FREIE UNIVERSITAT BERLIN 3,069,604
FREISHTAT, ROBERT J. 3,069,123
FRENKEL, ALIAKSANDR 3,069,395
FRESENIUS MEDICAL CARE AG & CO. KGAA 3,069,520
FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH 3,069,229
FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH 3,069,257
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,069,229
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,069,303
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,069,520
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,069,664
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,069,753
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,069,761
FRICHTL, MARK 3,068,943
FRISBY, GREG 3,069,855
FRITH, SEBASTIAN 3,069,245
FRITO-LAY NORTH AMERICA, INC. 3,069,418
FROESE, ALEXANDER 3,069,379
FROLAND, KNUT NORMAN 3,069,129
FRUCHEY, KENDALL S. 3,069,512
FRY, SCOTT 3,070,001
FU, FELIPE BECHERT 3,069,814
FU, XIAOPING 3,069,351
FUERTINGER, DORIS H. 3,069,520
FUJII, HIROYUKI 3,069,563
FUJIKURA LTD. 3,069,562
FUJITA, FUMITAKA 3,069,571
FUKUSHIGE, TAKASHI 3,068,684
FUKUYAMA, TAKASHI 3,069,160
FULLMER, SHAWN 3,069,503
FUNAKOSHI, JOJI 3,069,402
FUNDACIO INSTITUT CATALA D'INVESTIGACIO QUIMICA 3,068,980
FUNDACIO INSTITUT D'INVESTIGACIO EN CIENCIES DE LA SALUT GERMANS TRIAS PUJOL 3,069,595
FUNDACIO INSTITUT DE RECERCA DE L'HOSPITAL DE LA SANTA CREU I SANT PAU 3,058,250
FUNDACIO INSTITUT DE RECERCA DE L'HOSPITAL DE LA SANTA CREU I SANT PAU 3,069,775
FURUICHI, MUNEHIRO 3,069,567
FURUKAWA, JUO 3,069,372
FUSO PHARMACEUTICAL INDUSTRIES, LTD. 3,069,400
FUSS, ROBERT 3,069,061
FUTURE MEDICINE CO., LTD. 3,069,118
GAAL, PETER 3,069,459
GAAL, PETER 3,069,504
GAAL, PETER 3,069,757
GAAL, PETER 3,070,000
GABRIELE, PETER D. 3,069,312
GAENSBAUER, DAVID ANTHONY 3,069,978
GAENSBAUER, DAVID ANTHONY 3,069,981
GAGLIANO, JULIEN 3,069,818
GAGLIANO, JULIEN 3,069,873
GAGLIANO, JULIEN 3,069,878
GAHLEITNER, MARKUS 3,070,053
GALAPAGOS NV 3,069,038
GALAPAGOS NV 3,069,358
GALECTIN SCIENCES, LLC 3,069,745
GALLAGHER, RYAN 3,069,529
GALLAGHER, THOMAS A. 3,069,750
GALLARDO, JULIAN M. 3,069,435
GALLE, FRANCESCO 3,069,844
GALVIN, KEVIN PATRICK 3,069,340
GALVION LTD. 3,069,277
GANT-FLEENER, EMERSON 3,069,814
GANTA, ROMAN R. 3,070,102
GANTZER, DAVID EDWARD 3,070,014
GAO, DIFENG 3,069,449
GAO, FAN 3,069,179
GAO, ZEREN 3,069,238
GARBARK, DANIEL B. 3,069,954
GARBARK, DANIEL B. 3,069,958
GARCIA PEREZ, JOSE 3,070,185
GARD, MARCO 3,070,111
GARDEN, ALEXANDER JOHN 3,069,131
GARDINER, MICHAEL JAMES 3,069,340
GARGAC, SHAWN M. 3,069,517
GARGASH, ABDUL JABBAR 3,069,276
GARGIULO, ANTONELLO 3,069,892
GARRIDO, HERNANDO 3,069,664
GARRY, JAMES 3,069,816
GAUTRON, ANNE-SOPHIE 3,069,557
GAVAI, ASHVINIKUMAR V. 3,069,524
GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD. 3,069,355
GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD. 3,069,397
GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD. 3,069,405
GEFFARD, OLIVIER 3,069,879
GEHNEN, LUTZ 3,070,116
GEHO, JEFFREY EDWARD 3,069,978
GEHO, JEFFREY EDWARD 3,069,981
GEINIK, NATALIA 3,069,913
GEL CAP TECHNOLOGIES, LLC 3,069,158
GELMONT, MARK 3,069,231
GEMTIER MEDICAL (JIANGSU) INC. 3,070,007
GENDIAG, S.L. 3,058,250
GENECAST CO., LTD. 3,069,580
GENEE, HANS JASPER 3,069,650
GENENTECH, INC. 3,069,469
GENERAL ELECTRIC COMPANY 3,069,304
GENERAL ELECTRIC COMPANY 3,069,348
GENERAL ELECTRIC COMPANY 3,069,997
GENERAL MILLS, INC. 3,069,292
GENERAL MILLS, INC. 3,069,501
GENETHON 3,069,045
GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC. 3,069,831
GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC. 3,069,834
GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC. 3,069,843
GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC. 3,069,934
GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC. 3,069,938
GENETICS RESEARCH, LLC, D/B/A ZS GENETICS, INC. 3,069,939
GENFIT 3,070,038
GENGRINOVITCH, STELA 3,069,558

Index des demandes PCT entrant en phase nationale

GENIESER, HANS-GOTTFRIED 3,069,586
GENSON, KIRSTEN L. 3,069,477
GENTILE, JILLIAN 3,069,756
GENZYME CORPORATION 3,069,150
GEORGE, NAVEEN 3,069,302
GEORGE, RYAN 3,069,745
GERASSY-VAINBERG, SHIRAN 3,068,673
GERKE, JUSTIN P. 3,069,749
GERRITSEN, ARNOUT 3,069,391
GERTJEGERDES, STEFAN 3,069,797
GERTJEGERDES, STEFAN 3,069,877
GEWEHR, MARKUS 3,070,177
GEWEHR, MARKUS 3,070,179
GHARIB, HOSSAM 3,046,444
GHASEMI, FARSHID 3,069,974
GHIRLANDA, DAMIANO 3,060,031
GHIRLANDA, MARTINO 3,060,031
GHOSH, SHOMIR 3,069,524
GHOSH-DASTIDAR, ABHIJIT 3,069,289
GIANNOUKOS, JOHN 3,070,024
GIBSON, KARL RICHARD 3,069,358
GICQUEL-ZOUIDA, EVELYNE 3,069,045
GILBERT, DAVID 3,070,181
GILBERT, JEROME 3,068,952
GILDEA, BRIAN D. 3,070,058
GILEAD SCIENCES, INC. 3,070,154
GILL, AARON MICHAEL 3,069,959
GILL, MICHAEL ANTHONY 3,069,129
GILL, PATRICE 3,069,524
GINER, JEAN-MARC 3,068,947
GINER, JEAN-MARC 3,068,951
GIORDANO, JOHN 3,070,068
GIRARD, JEROME 3,069,841
GIUPPONI, ANDREA 3,069,808
GLAXOSMITHKLINE BIOLOGICALS SA 3,070,042
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED 3,069,554
GLENN, PAUL E. 3,069,983
GLICKMAN, LAURA HIX 3,069,523
GLISTEN LLC 3,069,528
GLOGOWSKI, MICHAEL JOSEPH 3,069,541
GLOVER, WILLIAM 3,069,831
GLOVER, WILLIAM 3,069,938
GLUNZ, PETER W. 3,069,311
GLUZ, ERAN 3,069,231
GODHAVN, JOHN-MORTEN 3,069,410
GOLDHAMMER, KURT 3,070,068
GOLDMAN, STEVEN 3,068,989
GOLDSHLEGER, ILYA 3,069,709
GOLDSTEIN, JEREMY 3,069,694
GOLINO, AMY LORRAINE 3,069,959
GOLOM, DMITRY 3,069,278
GOMIS, SUSANTHA 3,069,762
GONCALVES, ELTON CARVALHO 3,069,178
GONDARENKO, ALEXANDER 3,069,974
GONG, CHANGHONG 3,068,996
GONG, CHARLES 3,068,996
GONG, HUA 3,069,524
GONZALEZ DE LA TORRE, JAVIER 3,069,659
GOONEWARDENE, KALHARI VENUKALA BANDARA 3,069,762
GORIN, MICHAEL M. 3,069,433
GOTO, SHINYA 3,069,400
GOTOU, AKINOBU 3,068,684
GOTTFRIED, MICHAEL 3,070,110
GOU, QIAN 3,069,291
GOULDING, PAUL 3,068,936
GOULTER, KEN 3,069,331
GOVINDARAJAN, SRIDHAR 3,069,197
GRABARNICK, MICHAEL 3,069,619
GRAESSL, HERBERT 3,069,560
GRAESSL, HERBERT 3,070,097
GRAFF, TIMOTHY E. 3,069,502
GRAHAM, SIMON 3,069,098
GRAUER, DAVID C. 3,069,314
GRAY, NATHANAEL S. 3,069,181
GRAYMONT (PA) INC. 3,069,942
GRECI, STEPHEN MICHAEL 3,069,293
GREEN, BRIAN MICHAEL 3,070,104
GREEN, SARA K. 3,069,512
GREENFIELD, DEREK LORIN 3,069,253
GREENFIELD, MATTHEW B. 3,069,940
GREENMAN, KEVIN 3,069,526
GREENSPAN, ADAM J. 3,069,434
GREFENSTEIN, ACHIM 3,055,321
GRIFFIS, JOSHUA 3,069,518
GRIMALDI, MARIA 3,069,989
GRIMME, MARC 3,069,763
GRINDHAUG, GAUTE 3,069,810
GRIP HOLDINGS LLC 3,069,553
GRONOWSKI, ADAM 3,069,638
GROOTHORNTE, AREND HENDRIK 3,069,633
GROSSFELD, RAMI 3,069,278
GROUCHY, PAUL 3,069,833
GROUCHY, PAUL 3,069,891
GROW SOLUTIONS TECH LLC 3,069,777
GROW SOLUTIONS TECH LLC 3,069,801
GROW SOLUTIONS TECH LLC 3,069,825
GROW SOLUTIONS TECH LLC 3,069,838
GROW SOLUTIONS TECH LLC 3,069,845
GROW SOLUTIONS TECH LLC 3,069,852
GROW SOLUTIONS TECH LLC 3,069,872
GROW SOLUTIONS TECH LLC 3,069,889
GROW SOLUTIONS TECH LLC 3,069,904
GROW SOLUTIONS TECH LLC 3,069,906
GROW SOLUTIONS TECH LLC 3,069,916
GROW SOLUTIONS TECH LLC 3,069,917
GROW SOLUTIONS TECH LLC 3,069,918
GROW SOLUTIONS TECH LLC 3,069,919
GROW SOLUTIONS TECH LLC 3,069,924
GROW SOLUTIONS TECH LLC 3,069,927
GROW SOLUTIONS TECH LLC 3,069,931
GRUJIC, DANICA 3,069,197
GRUNER, OLIVER 3,069,653
GU, WEI 3,069,776
GUAN, HUIPING AMY 3,069,683
GUAN, LI 3,069,813
GUAN, YUNFENG 3,069,594
GUANGDONG MIDEA KITCHEN APPLIANCES MANUFACTURING CO., LTD. 3,069,584
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 3,070,008
GUARDIAN GLASS, LLC 3,069,146
GUARDIAN GLASS, LLC 3,069,156
GUGLIELMO, KENNON 3,069,342
GUILLAMOT, FREDERIQUE 3,069,263
GUILLAMOT, FREDERIQUE 3,069,399
GULER, SATENIG 3,059,773
GUNAWAN, THERESA LIANG 3,069,616
GUNAWAN, THERESA LIANG 3,069,623
GUNAWAN, THERESA LIANG 3,069,627
GUNYOL, OZGUR 3,069,618
GUO, HUI 3,069,749
GUO, JING 3,070,121
GUO, MINGHAO 3,065,027
GUPTA, AMITAVA 3,069,139
GUPTA, SUNNY 3,069,833
GUPTA, SUNNY 3,069,891
GURU, SIRADANAHALLI 3,069,363
GUTH, PAUL W. 3,069,505
H. LUNDBECK A/S 3,069,391
H2 WATER TECHNOLOGIES LTD 3,069,555
HAAHR, THOR 3,068,974
HABETS, EMANUEL 3,069,241
HABETS, EMANUEL 3,069,403
HABETS, EMANUEL 3,069,656
HABETS, EMANUEL 3,069,772
HADIDA RUAH, SARA SABINA 3,069,720
HAFEEZUR, RAHMAN 3,069,791
HAGGARTY, STEPHEN J. 3,069,181
HALDOR TOPSOE A/S 3,069,240
HALDOR TOPSOE A/S 3,069,262
HALDOR TOPSOE A/S 3,069,387
HALDOR TOPSOE A/S 3,069,493
HALDOR TOPSOE A/S 3,069,545
HALDOR TOPSOE A/S 3,069,614
HALDOR TOPSOE A/S 3,069,817
HALDOR TOPSOE A/S 3,069,871
HALFORD, ROBERT J. 3,069,419
HALL, MICHAEL 3,070,082
HALLEN, PAUL R. 3,069,381
HALLIBURTON ENERGY SERVICES, INC. 3,046,444
HALLIBURTON ENERGY SERVICES, INC. 3,069,293
HALLIBURTON ENERGY SERVICES, INC. 3,069,713
HALLIBURTON ENERGY SERVICES, INC. 3,069,727
HALPERIN WERNLI, MIRIAM 3,069,887
HAM, GREGORY 3,069,429
HAMABE, MASAAKI 3,069,372
HAMBY, DAVID 3,070,084
HAMLYN, JOHN MARTIN 3,069,139
HAMLYN, JOHN MARTIN 3,069,148
HAMMAN, MARTIN 3,069,636

Index of PCT Applications Entering the National Phase

HAMMERSCHMIDT, NIKOLAUS 3,069,593
HAN, PAT A. 3,069,240
HAN, PAT A. 3,069,262
HAN, PAT A. 3,069,387
HAN, PAT A. 3,069,545
HAN, PAT A. 3,069,614
HAN, PAT A. 3,069,817
HAN, PAT A. 3,069,871
HAN, SEON-YOUNG 3,069,570
HANCOCK, ANDY 3,069,606
HANCOCK, ASHLEY B. 3,068,972
HANCOCK, CHRISTOPHER PAUL 3,070,035
HANF, REMY 3,070,038
HANKE, JOHN V. 3,069,626
HANMI PHARM. CO., LTD. 3,069,119
HANNA, IBRAHIM MOUNIR 3,069,239
HANSEN, ANDREW 3,069,420
HANSEN, JOSHUA 3,069,138
HANSL, MARIO 3,069,926
HANSON, PETER D. 3,069,540
HARADA, TETSUJI 3,069,794
HARDING, EDWARD P. 3,069,534
HARDY, MARK 3,069,305
HARGENS, TANNER 3,068,972
HARISH, PRATHEEK MYLANAHALLI 3,069,511
HARRINGTON, KAITLIN EMILY 3,069,675
HARRIS, JEREMY J. 3,069,312
HARRIS, WILLIAM J. 3,069,247
HARTGERS, WALTER ALEXANDER 3,068,664
HARTGERS, WALTER ALEXANDER 3,068,667
HASAN, NAZMUL 3,069,149
HASELMEIER AG 3,069,583
HASELTINE, ERIC L. 3,068,609
HASELTINE, ERIC L. 3,069,225
HASELTINE, ERIC L. 3,069,226
HASHASH, AHMAD 3,070,082
HASHEY, KATHRYN 3,070,042
HASSAN HUSSEIN, KHALED SHAWKY 3,070,091
HASSINGER, LOUISE 3,069,420
HATTORI, MASAHIRA 3,069,567
HAUENSTEIN, KEN 3,069,302
HAUGE, ESPEN 3,069,410
HAVENS, COURTNEY, G. 3,069,138
HAYAKAWA, TOMOHISA 3,069,571
HAYASHI, TSUKIHO 3,069,803
HAYDEN, JAKOB 3,070,020
HAYMOND, SHERRI GAYLE 3,069,960
HAYNES, ANDREW LEO 3,069,283
HAYOZ, DANIEL 3,070,111
HE, FENG 3,070,004
HE, HUIXIN 3,069,246
HE, JIE 3,069,469
HE, LINHAI 3,069,711
HE, LINHAI 3,069,712
HE, PING 3,069,324
HE, WEI 3,070,004
HEAH, CHIEH YING 3,069,289
HEALTH APPS PTY LTD 3,070,024
HECHT, GIL 3,069,624
HECK, JOSEPH P. 3,069,507
HEGAZI, EZZAT 3,069,001
HEIDE, ALEXANDER 3,069,257
HEIDENFELDER, JENS 3,069,808
HEINTZELMAN, JOHN B. 3,069,942
HELLEDAY, THOMAS 3,069,065
HELLMUTH, OLIVER 3,069,656
HELLRING, STUART D. 3,069,121
HELLRING, STUART D. 3,069,132
HELLRING, STUART D. 3,069,147
HELLRING, STUART D. 3,069,166
HELMAN, NOAH CHARLES 3,069,253
HENDERSHOT, BRAD 3,069,420
HENRY, DANE 3,069,963
HEO, YONG HO 3,069,119
HERA HEALTH SOLUTIONS INC. 3,069,135
HERBACH, JOSHUA 3,069,730
HERBERG, JETHRO A. 3,069,481
HERRE, JUERGEN 3,069,241
HERRE, JUERGEN 3,069,403
HERRE, JUERGEN 3,069,772
HERRMANN, ALEXANDER 3,069,511
HEUFT SYSTEMTECHNIK GMBH 3,069,547
HEUFT SYSTEMTECHNIK GMBH 3,069,552
HEUFT SYSTEMTECHNIK GMBH 3,069,631
HEUFT, BERNHARD 3,069,547
HEUFT, BERNHARD 3,069,552
HEUFT, BERNHARD 3,069,631
HEYN, THOMAS 3,070,091
HIFI ENGINEERING INC. 3,069,581
HILBERT, TIMOTHY L. 3,069,467
HILLENBURG, RUSSELL 3,069,456
HILLION, MATHIEU 3,069,366
HILLMAN, ROBERT S. 3,069,433
HINKLE, GREGORY 3,069,868
HO, JULIE CHIU-LEE 3,069,945
HO, MING-HSUN 3,069,554
HOBBIS, ANDREW JAMES 3,069,978
HOBBIS, ANDREW JAMES 3,069,981
HOCH, LARRY E. 3,069,535
HODGES, SCOTT 3,069,416
HODOREK, BRIAN C. 3,069,517
HOFFMAN TECHNOLOGIES, INC. 3,069,703
HOFFMAN, STEVEN 3,069,703
HOFMANN, MARTIN 3,069,610
HOFMANN, MARTIN 3,069,842
HOGENDOORN, RICHARD 3,069,623
HOGLUND, DAVID H. 3,069,657
HOHMAN, JAMES NATHAN 3,069,528
HOLLAND, RICHARD JAMES 3,069,555
HOLLISTER INCORPORATED 3,069,439
HOLM, JASON 3,069,327
HOLMES, ROSS PHILIP 3,069,868
HOLOGIC, INC. 3,069,122
HOLOGIC, INC. 3,069,752
HOLTSBERG, FREDERICK W. 3,069,747
HOLTZINGER, JENNIFER 3,069,549
HOLVERSON, TODD EARL 3,069,129
HOMERO THOME FERREIRA, LINCOLN 3,069,497
HONDA, AYA 3,069,406
HONDA, KENYA 3,069,567
HONDA, MAMORU 3,069,396
HONG, STANLEY S. 3,065,029
HONMA, NOBUYUKI 3,069,290
HOO, TECK-MUI 3,069,465
HOO, TECK-MUI 3,069,467
HOOK, TYLER L. 3,070,063
HORN, GAVIN BERNARD 3,069,186
HORN, GAVIN BERNARD 3,069,187
HORN, GAVIN BERNARD 3,069,711
HORN, GAVIN BERNARD 3,069,712
HOSENFELDT, TIM 3,069,607
HOSHI, TOSHIO 3,069,454
HOSSEINI, SEYEDEH MAHBOOBEH 3,068,664
HOSSEINI, SEYEDEH MAHBOOBEH 3,068,667
HOSSEINI, SEYEDKIANOUSH 3,069,711
HOU, XIAOLIN 3,069,613
HOUSTON, TRAVIS LEE 3,070,154
HOVDE, GEIR OLAV 3,068,937
HOVIONE SCIENTIA LIMITED 3,069,869
HOVIONE SCIENTIA LIMITED 3,070,043
HRNCIR, ROBERT 3,034,902
HSIEH, HAN-YI 3,069,669
HU, GUOPING 3,069,829
HU, LIHONG 3,069,829
HU, QIONG 3,069,584
HU, WEI-MING 3,068,875
HUANG, ANBANG 3,069,820
HUANG, CHICHI 3,070,100
HUANG, CHING-HSUN 3,069,669
HUANG, HAIDONG 3,069,985
HUANG, JING-JIA 3,069,669
HUANG, LONGBIN 3,069,820
HUANG, MINGSHENG 3,070,001
HUANG, PEILIN 3,069,584
HUANG, YI 3,069,757
HUANG, YI 3,070,000
HUANG, ZHENGGANG 3,069,820
HUANG, ZHIQIANG 3,070,032
HUANG, ZHONGDONG 3,069,232
HUAWEI TECHNOLOGIES CO., LTD. 3,069,185
HUBBELL INCORPORATED 3,069,223
HUBER, SILVIA 3,069,887
HUBERFELD, GILLES 3,070,178
HUENTEN, VOLKER 3,069,822
HUGHES, DAVID 3,069,423
HUGHES, MARTIN PATRICK 3,069,423
HULANDER, MATS 3,069,509
HULSKOTTER, FRANK 3,069,249
HULSKOTTER, FRANK 3,069,250
HULTQVIST, MICHAEL 3,069,387
HUMAIDAN, PETER 3,068,974
HUMPHREY, PATRICK G. 3,069,964
HUMPHREYS, STEVEN 3,069,416
HUNT, BARRY F. 3,069,122
HURLEY, DENNIS 3,069,720
HURST, MICHAEL STEPHEN 3,069,825

HURST, MICHAEL STEPHEN 3,069,845
HURST, MICHAEL STEPHEN 3,069,872
HURST, MICHAEL STEPHEN 3,069,889
HURST, MICHAEL STEPHEN 3,069,906
HURST, MICHAEL STEPHEN 3,069,916
HURST, MICHAEL STEPHEN 3,069,927
HUSKY INJECTION MOLDING SYSTEMS LTD. 3,069,161
HUSSEY, TIMOTHY 3,069,949
HUTCHINSON, MATTHEW 3,069,456
HYDRAULIQUE PRODUCTION SYSTEMS 3,069,767
HYPER ICE, INC. 3,069,732
HYPERLOOP TECHNOLOGIES, INC. 3,069,926
IBIQUITY DIGITAL CORPORATION 3,069,244
ICE NEUROSYSTEMS, INC 3,069,457
ICHIKAWA, WATARU 3,069,406
ICL EUROPE COOPERATIEF U.A. 3,069,913
ICL-IP AMERICA INC. 3,069,231
IDEX EUROPE GMBH 3,069,812
IDEX EUROPE GMBH 3,070,114
IFP ENERGIES NOUVELLES 3,069,268
IGNYTA, INC. 3,069,339
IHC HOLLAND IE B.V. 3,069,111
IHI CORPORATION 3,069,290
IHI CORPORATION 3,069,372
IKEGAMI, HIROAKI 3,069,294
ILLINOIS TOOL WORKS INC. 3,069,129
ILLUMINA, INC 3,064,226
ILLUMINA, INC 3,065,029
ILLUMINA, INC. 3,065,027
IMERTECH 3,069,615
IMMATICS BIOTECHNOLOGIES GMBH 3,069,610
IMMATICS BIOTECHNOLOGIES GMBH 3,069,842
IMPERIAL INNOVATIONS LTD 3,069,481
IN3BIO LTD. 3,070,034
INDENA S.P.A. 3,069,055
INDUSTRIAL MICROBES, INC. 3,069,253
INDYK, BENJAMIN 3,069,936
INFUSION INNOVATIONS PTY LTD 3,069,471
INGBER, GAL 3,069,281
INGURAN, LLC 3,068,874
INNATE TUMOR IMMUNITY, INC. 3,069,524
INNOSPEC OIL FIELD CHEMICALS LLC 3,069,100
INNOVALOR B.V. 3,069,264
INNOVATIVE SENSOR TECHNOLOGY IST AG 3,069,848
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,069,045
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,070,178
INSTITUT GUSTAVE-ROUSSY 3,069,612
INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA) 3,070,182
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM) 3,070,182
INSTITUT NATIONAL DE RECHERCHE EN SCIENCES ET TECHNOLOGIES POUR L'ENVINNEMENT ET L'AGRICULTURE 3,069,879
INSTITUTE FOR RESEARCH IN BIOMEDICINE 3,069,265
INTAS PHARMACEUTICALS LTD. 3,069,282
INTEGRATED BIOTHERAPEUTICS, INC. 3,069,747
INTEGRITY ENGINEERING SOLUTIONS PTY LTD 3,069,334
INTELLIGENT MEDICAL OBJECTS, INC. 3,069,245
INTER-FACE MEDICAL LLC 3,069,464
INTRAY LTD 3,069,606
INTUIT INC. 3,069,936
IO THERAPEUTICS, INC. 3,069,672
IO THERAPEUTICS, INC. 3,069,676
IOVOX LTD. 3,069,529
IRANI-COHEN, ZACKARY 3,069,308
IRMAK, BARIS 3,069,383
IRMAK, BARIS 3,069,592
IRONWOOD PHARMACEUTICALS, INC. 3,070,082
ISCAR LTD. 3,069,624
ISHIYAMA, JUNICHI 3,069,406
ISLAM, MUHAMMAD NAZMUL 3,069,937
ISO, KENTARO 3,069,160
ITT MANUFACTURING ENTERPRISES LLC 3,069,302
ITT MANUFACTURING ENTERPRISES LLC 3,069,857
IVAKINE, EVGUENI 3,069,338
IVEY, GRAHAM 3,070,009
IVOSEVIC, MILAN 3,069,447
IVOSEVIC, MILAN 3,069,950
IWATA, JUN 3,069,803
IWATA, KOICHIRO 3,069,562
IYER, NARESH SUNDARAM 3,069,304
JACKSON, MICHELLE 3,069,249
JACKSON, MICHELLE 3,069,250
JACOBI, DAVID 3,069,325
JACOBS, MATT 3,069,987
JACQUES, PHILIPPE 3,069,760
JADHAVAR, PRADEEP S. 3,070,073
JAGER, DIRK 3,070,040
JAGER, TIM 3,070,017
JAKOBSEN, ROELSGAARD MARTIN 3,069,780
JALAH, RASHMI 3,070,042
JALILIAN, SEYED EHSAN 3,069,581
JAMES, CLINT 3,069,683
JAMES, JOHN PAUL 3,069,259
JAMES, KENNETH A. 3,069,725
JANES, CHRISTOPHER 3,069,690
JANSEN, KOEN KAREL 3,069,038
JANSSEN BIOTECH, INC. 3,070,100
JANSSEN PHARMACEUTICA NV 3,069,069
JANSSON, CARL D. 3,069,960
JAUNET, ALEXIS PATRICK CLAUDE 3,069,038
JAYARAMAN, VIJAYSEKHAR 3,069,723
JE INTERNATIONAL CORPORATION 3,069,568
JEANNIN, LAURENT 3,070,028
JEDINGER, ALEX 3,069,926
JEDWAB, MICHAEL REUBEN 3,069,622
JEFFREY, R. BROOKE, JR. 3,069,411
JENSEN, JORGEN SKOV 3,068,974
JEON, HYOUNGSUK 3,069,759
JEON, SANG-SEOL 3,069,408
JEWELL, JACK 3,069,974
JFE STEEL CORPORATION 3,069,651
JHA, AMIT 3,069,737
JHA, AMIT 3,069,968
JIA, JINFENG 3,070,121
JIA, YUEQIAN 3,069,236
JIANG, HUA 3,069,668
JIANG, JING 3,069,711
JIANG, ZHIQIAN 3,069,594
JIANGSU HENGRUI MEDICINE CO., LTD. 3,069,392
JIANGSU HENGRUI MEDICINE CO., LTD. 3,070,004
JIANGSU HENGRUI MEDICINE CO., LTD. 3,070,016
JIN, GUANGHAI 3,069,584
JIN, TAO 3,068,878
JIN, YONG-SU 3,068,461
JINDRA, ALEXANDER 3,069,822
JJGC INDUSTRIA E COMERCIO DE MATERIAIS DENTARIOS S.A. 3,070,026
JODL, STEFAN JOACHIM 3,069,193
JOENSUU, IIRIS 3,068,542
JOHNSON & JOHNSON CONSUMER INC. 3,069,184
JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED 3,069,098
JOHNSON MATTHEY PUBLIC LIMITED COMPANY 3,069,059
JOHNSON, ARIEL 3,069,230
JOHNSON, ERIC 3,069,539
JOHNSON, JENS 3,069,422
JOHNSON, JOSEPH M. 3,069,745
JOHNSON, MICHAEL GARRETT 3,069,693
JONES, DOUGLAS S. 3,069,105
JONES, ERIC 3,068,969

JONES, JOANNE L. 3,069,718
JONES, JOANNE L. 3,069,970
JONES, JUSTIN 3,069,525
JONES, KEVIN CHAPMAN 3,069,861
JONES, OLIVIA LYNN 3,069,147
JONES, PHILIP 3,069,693
JONES, STEPHANIE RHIANON 3,069,253
JONGSMA, ARNOUD MARC 3,069,640
JONGSMA, ARNOUD MARC 3,069,644
JONGSMA, ARNOUD MARC 3,069,646
JONSSON, LISAGER KASPER 3,069,780
JORGENSEN, LISE 3,069,492
JOSECK, ERIC D. 3,069,467
JOUDAREFF, ARNAUD BERNARD CLEMENT THOMAS 3,069,609
JPL GLOBAL, LLC 3,069,505
JU, HYUN 3,069,408
JUNG, ANDREE 3,070,097
JUNG, DARAM 3,069,570
JUNG, JUN YOUNG 3,069,786
JUNG, MIN HEE 3,069,296
JUNG, SUNG YOUB 3,069,119
JUNGBAUER, ALOIS 3,069,593
JUNGHANS, JENS 3,069,785
JUNGST, MAGDALENA 3,070,017
JURCIK, VACLAV 3,069,059
KABIRI, ALI 3,069,974
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.) 3,069,559
KADADO, TAHA 3,068,996
KADLEC, BENJAMIN 3,069,893
KAFOROU, MYRSINI 3,069,481
KAISER, KLAUS 3,070,110
KAKISHIMA, YUICHI 3,069,641
KALIAPPAN, MARIAPPAN 3,069,107
KALOS, MICHAEL DEWAIN 3,069,254
KALWA, NORBERT 3,070,019
KAMAL, ZEESHAN 3,069,526
KAMAT, RAJEEV G. 3,070,003
KAMATA, KOJI 3,069,575
KAMERBEEK, RALF 3,069,633
KANAUCHI, MASAYA 3,069,620
KANEMORI, YASUNORI 3,069,402
KANG, SEUNG HOON 3,069,786
KANOH, RYUICHI 3,069,579
KANSARA, APURVAKUMAR DILIPKUMAR 3,069,853
KANSAS STATE UNIVERSITY RESEARCH FOUNDATION 3,070,102
KAPLAN, SAM T. 3,068,710
KAPPEL, FRANZ 3,069,520
KARANIKOLOPOULOS, NIKOS 3,068,936
KARAS, LAWRENCE J. 3,069,435
KARASIK, SILVA 3,070,082
KARCH, MICHAEL M. 3,069,657
KARIYA, NOBUSUKE 3,069,651
KARNER, RICHARD 3,069,161
KARWACKI, SZYMON 3,070,129
KASHEFHAGHIGHI, DORNA 3,064,226
KASUYA, JUNICHI 3,069,402
KATAGIRI, AKIHIRO 3,069,651
KATHOLIEKE UNIVERSITEIT LEUVEN 3,069,042
KATHOLIEKE UNIVERSITEIT LEUVEN, K.U. LEUVEN R&D 3,069,998
KATSAVOUNIDIS, IOANNIS 3,069,875
KATZ, ANTHONY 3,069,732
KAUPPI, JANNE 3,069,101
KAVANAUGH, JACK 3,069,805
KAWAGUCHI, TAKAAKI 3,069,567
KAWASAKI JUKOGYO KABUSHIKI KAISHA 3,069,343
KEA, ALEX D. 3,069,729
KEEGAN, ABBY 3,069,851
KEENER, JOHN L. 3,069,477
KEIKERT, ROSEMARIE 3,069,044
KEIO UNIVERSITY 3,069,567
KEITEL, JOACHIM 3,069,583
KELLER, UWE 3,069,061
KELLY, MICHAEL GARRY 3,069,784
KELTZ, DAVID M. 3,069,477
KEMALADEWI, DWI UTAMI 3,069,338
KEMIRA OYJ 3,068,542
KENDALL, ALXANDER M. 3,069,867
KENDRICK, ANDREW 3,069,789
KENNEDY, EDWARD 3,069,821
KENNEDY, MARK 3,069,469
KENNETH R MORAS PTY LTD 3,069,327
KEPHALIOS S.A.S. 3,070,111
KERCHER, TIMOTHY, S. 3,069,138
KERNS, S. JORDAN 3,069,742
KESLIN, PHILLIP CRAIG 3,069,626
KHAN, ASIF A. 3,069,664
KHAN, FARHA 3,070,073
KHAN, FARIHA 3,069,149
KHANNA, RAJESH 3,069,898
KHOO, JA-HEOUK 3,069,408
KHOR, THUAN-KHIM 3,069,728
KHOSOUSI, ALI 3,069,833
KHOSOUSI, ALI 3,069,891
KHURI-YAKUB, BUTRUS T. 3,069,411
KIA, AMIRALI 3,064,226
KIEFEL GMBH 3,068,538
KIJI, TOSHIYUKI 3,069,795
KILDAY, BILL J. 3,069,626
KIM, HANSEUP 3,069,149
KIM, HEA OK 3,069,118
KIM, IL CHUL 3,069,786
KIM, JAEIK 3,069,786
KIM, JIN YOUNG 3,069,119
KIM, JUN-WOO 3,069,786
KIM, KITAI 3,069,865
KIM, MIN SUP 3,069,786
KIM, MINSU 3,069,568
KIM, MOONHEE 3,069,528
KIM, SEOKJOONG 3,069,296
KIM, SOYOUNG 3,069,570
KIM, YOUNG-HOON 3,069,296
KIM, YU JIN 3,069,404
KING, MATTHEW G. 3,069,749
KINGHAM, DAVID 3,069,060
KINGSLEY, CHRISTOPHER H. 3,069,534
KINNER, LAURA L. 3,069,942
KINZELL, JOHN 3,069,533
KIRBY, ANNE MARIE 3,069,774
KIRBY, DANIELLE 3,069,525
KIRCHHOFF, JORG 3,069,180
KIRCHHOFF, JORG 3,069,643
KIRCHNER, UWE 3,069,812
KIRCHNER, UWE 3,070,114
KISHI, YOSHITO 3,069,160
KISHIMOTO, TAKEAKI 3,069,288
KISHIMOTO, TAKEAKI 3,069,376
KISHIMOTO, TAKEAKI 3,069,575
KLADDERS, HEINRICH 3,069,560
KLADDERS, HEINRICH 3,070,097
KLANG, GREGG ALAN 3,069,510
KLENNER, ROBERT CARL LLOYD 3,069,304
KLEWINGHAUS, JUERGEN 3,069,257
KLEY, NIKOLAI 3,069,930
KLOEPFER, MICHAEL 3,069,573
KLYCE, HENRY A. 3,069,233
KLYCE, HENRY A. 3,069,234
KNAUF GIPS KG 3,069,574
KNAUSS, MATTHEW 3,069,962
KNICKREHM, MORGAN 3,068,873
KNICKREHM, MORGAN 3,069,227
KNIGHT, ERIC 3,069,708
KNIGHT, JOHN 3,069,868
KNODEL, BRYAN 3,069,326
KNODEL, TIMOTHY 3,069,326
KNORR, DAVID 3,069,728
KNOTHE, JOSEF 3,069,653
KOBAISY ALI, AMR MAHMOUD HAMDY 3,069,808
KOBAYASHI PERFUMERY CO. , LTD. 3,069,454
KOBAYASHI, JUNYA 3,069,108
KOBAYASHI, JUNYA 3,069,112
KOBAYASHI, JUNYA 3,069,114
KOBAYASHI, JUNYA 3,069,117
KOBAYASHI, JUNYA 3,069,417
KOBAYASHI, YOSHIKAZU 3,069,376
KOBAYASHI, YOSHIKAZU 3,069,575
KODERA, YUKIHIRO 3,069,811
KOEHLER-MCNICHOLAS, SARA 3,069,420
KOEHLERT, KENNETH C. 3,069,940
KOERTH, MICHAEL 3,069,458
KOESTER, KARL 3,069,420
KOEVARY, JENNIFER W. 3,068,989
KOHUT, ANDREW 3,069,125
KOJIMA, KATSUMI 3,069,651
KOMARAGIRI, VIVEK C. 3,069,855
KOMATSU GERMANY GMBH 3,069,785
KOMATSU LTD. 3,069,446
KOMATSU LTD. 3,069,572
KONDIS, JOHN 3,069,709
KONER, JASDIP SINGH 3,069,637
KONIG, THOMAS 3,069,180
KONIG, THORSTEN 3,069,653
KONINKLIJKE DOUWE EGBERTS B.V. 3,069,300
KONINKLIJKE DOUWE EGBERTS B.V. 3,069,633

KONINKLIJKE DOUWE EGBERTS B.V. 3,070,044
KONINKLIJKE PHILIPS N.V. 3,069,993
KONINKLIJKE PHILIPS N.V. 3,070,023
KONNAI, SATORU 3,069,400
KONOPKA, DANIEL A. 3,069,652
KONTOPOULOU, MARIANNA 3,069,346
KOPPITZ, JANNIS 3,070,017
KORFIATIS, ARTHUR 3,070,024
KORNMANN, DAVID 3,069,626
KORT, THOMAS 3,069,747
KORTELAINEN, JUHA M 3,069,622
KOSANN, MONICA RICH 3,069,674
KOSANN, ROD G. 3,069,674
KOSTJUK, SERGEI V. 3,070,031
KOSURI, SRIRAM 3,068,969
KOTA, SIVA KUMAR 3,069,418
KOTANKO, PETER 3,069,303
KOTANKO, PETER 3,069,520
KOTTER, MAIK 3,069,192
KOUN, MALYS-CLAIRE 3,069,763
KOVACEVICH, BRIAN 3,069,238
KOVACS, JASON R. 3,069,866
KOWSALYA, SALINI SELVARAJ 3,070,009
KOZLOWSKI, ERIC 3,069,310
KRATZSCHMAR, JORN 3,069,193
KRAUTBAUER, KEVIN 3,069,538
KREUDER, CARSTEN 3,069,638
KRIEGE, JAN CORNELIS 3,069,993
KRIES, ANDY R. 3,069,725
KRISHER, CALEB ROBERT 3,069,129
KRISHNAN, RAVI 3,069,492
KRISTAMENT, CHRISTIAN 3,070,020
KROGMANN, FLORIAN 3,069,848
KROLL JENSEN, ANNETTE E. 3,069,240
KROLL JENSEN, ANNETTE E. 3,069,493
KROLL JENSEN, ANNETTE E. 3,069,817
KROLL JENSEN, ANNETTE E. 3,069,871
KRUGER, JOACHIM 3,070,110
KUBO, KOICHI 3,068,707
KUBO, KOICHI 3,069,620
KUBOTA, KEIICHI 3,069,186
KUBOTA, KEIICHI 3,069,187
KUBOTA, YUJI 3,069,288
KUBOTA, YUJI 3,069,376
KUBOTA, YUJI 3,069,575
KUBSAD, VINAYA N. 3,069,502
KUECH, FABIAN 3,069,772
KUEMMEL, BENJAMIN 3,069,822
KUHL, VOLKER 3,069,653
KUKUCKA, PAUL 3,069,553
KUKUCKA, THOMAS STEFAN 3,069,553
KULKARNI, HARISH P. 3,069,502
KULKARNI, SAMIR 3,070,104
KULYBA, NATALLIA 3,069,455
KUMACHEVA, EUGENIA 3,069,870
KUMAR, RAJESH 3,069,802
KUMAR, SUBODH 3,069,445
KUMARAN, KRISHNAN 3,069,128
KUNIMURA, KAYO 3,069,811
KURARAY EUROPE GMBH 3,069,061
KURATA, RYUICHIRO 3,069,571
KURD, MARK F. 3,069,422
KURE, KAZUKI 3,069,572
KUROKI, SHIGEKI 3,069,885
KUROSE, ASHLEY 3,069,674
KVERNELAND GROUP KERTEMINDE AS 3,070,030
KYLES, BRUCE W. 3,069,401
KYORIN PHARMACEUTICAL CO., LTD. 3,069,406
L3 OPEN WATER POWER, INC. 3,069,866
LABARTHE, JACQUES 3,069,242
LABEAU, MARIE-PIERRE 3,069,049
LACKEY, JEREMY 3,069,974
LACKEY, JEREMY 3,069,985
LACKEY, MICHAEL S. 3,069,440
LACY, CHRISTOPHER ALLEN 3,069,538
LADERMAN, ELISABETH 3,069,308
LADZIATA, VLADIMIR 3,069,311
LAHM, ARMIN 3,069,047
LAHMAR, FLAVIEN 3,069,242
LAJOIE, JASON M. 3,069,438
LAKHAPATRI, SATISH 3,069,314
LAMBERT, FABIAN 3,069,456
LAMBERT, JAMES MICHAEL 3,069,137
LAMENSDORF, ITSCHAK 3,069,902
LAMERS, NATHAN JOHN 3,069,129
LAMOTHE, MARC 3,069,154
LAMTIGUI, THAMI 3,055,321
LANCASTER, JORDAN J. 3,068,989
LANDMARK GRAPHICS CORPORATION 3,069,299
LANDMARK GRAPHICS CORPORATION 3,069,724
LANDMARK GRAPHICS CORPORATION 3,070,056
LANDROCK, MORTEN 3,068,545
LANGE, ARNAUD 3,070,028
LANGLEY, DAVID LESTER 3,069,691
LANGLOIS, ROBERT 3,065,029
LANZAVECCHIA, ANTONIO 3,069,265
LAPOINTE, DAVID 3,069,693
LARSEN, CASPER SEJER 3,070,106
LARSON, STEVEN M. 3,069,140
LASCOLA, KEVIN 3,069,723
LATHROP, BRITTANY 3,069,983
LATI, JOSEPH 3,069,913
LAUFER, DAVID 3,069,420
LAUTERWASSER, FRANK 3,069,549
LAVINS, BERNARD JOSEPH 3,070,082
LAW, DAVID J. 3,070,148
LE DEORE, CHRISTOPHE P. 3,068,660
LE DEORE, CHRISTOPHE P. 3,068,664
LE DEORE, CHRISTOPHE P. 3,069,627
LE GUILCHER, ALEXANDRE 3,068,952
LE NEGARET, BENOIT 3,069,517
LE, THANH 3,069,966
LE-GOFF, PIERRE-YVES 3,069,456
LEASE, BENJAMIN 3,034,902
LEBARBE, THOMAS 3,069,049
LEBEDINSKI, NIKOLAY 3,069,802
LEBER, WILLIAM 3,069,502
LECOMTE, HELENE ANNE 3,069,284
LEDERMAN, SETH 3,069,699
LEE, ADAM Y. 3,068,875
LEE, BYUNG CHUL 3,069,580
LEE, CHUNGKWON 3,069,786
LEE, DOO-BYUNG 3,069,408
LEE, HAROLD WAYNE, II 3,069,942
LEE, HUY HO 3,069,580
LEE, IN SUNG 3,069,786
LEE, J. WILLIAM 3,068,875
LEE, JENNY 3,069,498
LEE, JEONGJOON 3,069,296
LEE, JI HYE 3,050,149
LEE, JI HYE 3,051,217
LEE, JIHOON 3,069,160
LEE, JOHN 3,070,100
LEE, JOONSUN 3,069,296
LEE, JUN-SUP 3,069,408
LEE, JUNG-AE 3,069,408
LEE, KANG HOON 3,069,786
LEE, KANG IN 3,069,296
LEE, SANGWON 3,069,143
LEE, SEUNG-JE 3,069,786
LEE, STEVEN RUSSELL 3,069,144
LEE, STEVEN RUSSELL 3,069,255
LEHRER, SCOTT E. 3,069,315
LEIBERICH, RICARDA 3,069,638
LEIBERICH, RICARDA 3,069,643
LEIRIS, SIMON 3,070,036
LEISURE, NICK 3,070,001
LEITERITZ, NATHAN GERALD 3,069,129
LEIVA MARTINEZ, ROSANA 3,069,012
LEJEUNE, MARK 3,069,807
LELY PATENT N.V. 3,069,800
LEMAN, MARC 3,069,758
LEMIEUX, ERIC 3,069,901
LENDL, BERNHARD 3,070,020
LEO, DANIEL MICHAEL 3,069,675
LEONARDO DA CUNHA PEREIRA PINTO, HARDY 3,069,497
LEONG, HON SING 3,069,827
LEONI, GUIDO 3,069,047
LEOTTA, CLAUDIA GIOVANNA 3,069,104
LEPRINO FOODS COMPANY 3,068,605
LERNER, LORENA 3,069,821
LES SYSTEMES CYBERKAR 3,069,995
LESKINEN, PAULI 3,069,271
LESLIE, MICHELLE 3,069,733
LEUNG, CHEUK LUN 3,069,438
LEVESQUE, DANIEL 3,069,577
LEVIN, MICHAEL 3,069,481
LEVIN, NATHAN W. 3,069,303
LEVNER, DANIEL 3,069,742
LEVY, ERIC 3,069,543
LEVY, ROBERT M. 3,069,921
LEVY, YACOV 3,069,913
LEWIS, JASON RYAN 3,069,525
LEWIS, JOHN C. 3,069,531
LEYVRAZ, DAVID 3,070,003
LI, BODONG 3,069,678
LI, CHENGXI 3,069,773
LI, CHIH-PING 3,069,711
LI, CHING-YUAN 3,069,339
LI, HANZENG 3,069,701
LI, HAO 3,070,016
LI, HENGSHENG 3,069,632

LI, JIAN 3,069,829
LI, LINXIAN 3,069,788
LI, MENG 3,054,041
LI, MO-HUANG 3,069,076
LI, MO-HUANG 3,069,154
LI, QINGDONG 3,069,246
LI, SHICHANG 3,050,897
LI, SHIYUAN 3,069,788
LI, SONG 3,069,778
LI, WEICHANG 3,069,429
LI, XIANGDONG 3,068,879
LI, XIAOYAN 3,069,788
LI, XIN 3,070,004
LI, XINCAI 3,070,002
LI, YAN 3,069,469
LI, YIWEN 3,069,254
LI, YUE-RONG 3,068,664
LI, YUNRUI 3,070,009
LI, ZHIQIANG 3,069,778
LI-COR, INC. 3,069,964
LIAN, ZHANGHUA 3,070,032
LIANG, LI-SHIANG 3,069,518
LIANG, QIAN 3,069,701
LIAO, HENG 3,069,185
LIAW, KAO-LEE 3,069,196
LIAW, PATRICIA 3,069,196
LIBIN, BARRY M. 3,069,155
LIBIN, BARRY M. 3,069,159
LIEBER, DANIEL 3,069,469
LIEBMANN, JEFFREY M. 3,069,155
LIEBMANN, JEFFREY M. 3,069,159
LIEBOW, ABIGAIL 3,069,868
LIESS, MARTIN 3,070,076
LIFTWAVE, INC. DBA RISE ROBOTICS 3,069,516
LIGHTHALL, BRIAN A. 3,069,691
LILACH, NIR 3,069,278
LILAKOS, LOUIS 3,068,967
LIM, JONG-CHUL 3,069,408
LIMAYE, AMIT 3,069,087
LIMAYE, AMIT 3,069,124
LIMKIN, ELAINE JOHANNA 3,069,612
LIN, BEIBEI 3,068,878
LIN, CHIH-HAO 3,069,228
LIN, DAOSHU 3,069,164
LIN, DAOSHU 3,069,170
LIN, HAINING 3,069,749
LIN, JUNHAI 3,069,632
LIN, MARK 3,069,228
LIN, RENHE 3,069,134
LIN, YANAN 3,070,008
LINDE AKTIENGESELLSCHAFT 3,068,967
LINDEMAN, RYAN 3,069,129
LINDER-GANZ, ERAN 3,069,233
LINDER-GANZ, ERAN 3,069,234
LINGEN, VERENA 3,070,110
LINK, MATTHIAS 3,069,653
LIPOFABRIK 3,069,760
LIPPERT, UWE 3,069,478
LIPSON, DORON 3,069,469
LIU, BING 3,069,773
LIU, BO 3,069,632
LIU, GUOXIANG 3,069,304
LIU, HENGFENG 3,054,041
LIU, HU 3,069,185
LIU, JIANHUA 3,069,137
LIU, JING 3,069,232
LIU, JUAN 3,070,002
LIU, KUN 3,069,783
LIU, NING 3,069,594
LIU, PEI-QI 3,069,522
LIU, SHIJIE 3,070,068
LIU, XILE 3,069,829
LIU, XUN 3,069,392
LIU, XUN 3,070,016
LIU, YONGYI 3,070,121
LIVELY, SARAH 3,069,693
LLINARES, ERIC 3,069,394
LLINARES, OSCAR 3,069,394
LLONA-MINGUEZ, SABIN 3,069,065
LLORENS, WILLIAM A. 3,069,541
LO CASCIO, MAURO 3,069,503
LOAIZA, JUAN R. 3,068,875
LOAIZA, JUAN R. 3,070,006
LOFTUS, STEVE 3,069,781
LOGINOV, EVGENY 3,070,050
LOGINOV, EVGENY 3,070,183
LONGI MAGNET CO., LTD. 3,069,632
LONZA LTD 3,070,021
LOPEZ CORTAJARENA, AITZIBER 3,069,195
LOPEZ-GIRONA, ANTONIA 3,069,138
LOPEZ-NORIEGA, ADOLFO 3,069,787
LORBERG, DANA J. 3,069,960
LORENTZ, LOTHAR 3,069,815
LORENZO-ZUNIGA GARCIA, VICENTE MARIA 3,069,595
LOTTER, MICHIEL PETRUS 3,069,133
LOU, ANJING 3,069,484
LOURENCO, NUNO TORRES 3,069,869
LOURENCO, NUNO TORRES 3,070,043
LOVAS, LASZLO 3,069,103
LOVE, CARL 3,069,496
LOVE, JAMES PRINCE 3,069,259
LOVEGROVE, JOHN GEORGE ARNOLD 3,069,643
LSEE 3,069,764
LTS LOHMANN THERAPIE-SYSTEME AG 3,069,044
LU, HAO 3,069,999
LU, XIAOLING 3,069,138
LUBBES, ARIS 3,069,640
LUBBES, ARIS 3,069,644
LUBECORE INTERNATIONAL INC. 3,069,835
LUBELSKI, JACEK 3,069,369
LUCHANSKY, MATTHEW S. 3,069,525
LUDOLPH, BJOERN 3,069,249
LUDOLPH, BJOERN 3,069,250
LUDWIG, BRENT 3,069,342
LUDWIG, DALE LINCOLN 3,069,254
LUKACS, SANDOR 3,069,053
LUMMERSTORFER, THOMAS 3,069,272
LUMMUS TECHNOLOGY LLC 3,069,314
LUMMUS TECHNOLOGY LLC 3,069,332
LUMUS LTD. 3,068,659
LUND, LILIYA 3,069,500
LUO, HANJIANG 3,069,778
LUO, JIANGHONG 3,069,937
LUO, TAO 3,069,504
LUO, TAO 3,070,000
LUO, XIN 3,069,348
LUTRON TECHNOLOGY COMPANY LLC 3,069,962
LYNCH, BRYAN E. 3,068,628
MA, XIHUA 3,069,355
MA, YACHAO 3,070,032
MACGILLIVRAY, DAVID 3,069,113
MACKALL, CRYSTAL 3,069,527
MACLIVER, KEVIN SCOTT 3,070,051
MACNAUGHTON, NEIL J.S. 3,068,875
MADASU, SRINATH 3,069,299
MADASU, SRINATH 3,069,724
MADASU, SRINATH 3,070,056
MADDALENI, ROMANO 3,069,551
MADDAMMA, MICHAEL 3,069,513
MADEA, FRANCO 3,069,887
MADSEN, JAN VESTERGAARD 3,070,030
MADSEN, SCOTT T. 3,068,967
MAEKAWA, NAOYA 3,069,400
MAGGIO, FRANK S. 3,070,151
MAGNA SEATING INC. 3,069,310
MAGNA SEATING INC. 3,069,961
MAHMOUD, MOSTAFA 3,069,779
MAIER, JORG 3,070,181
MAIERS, MANFRED 3,069,538
MAISHAL, TARUN KUMAR 3,069,311
MAJZNER, ROBBIE 3,069,527
MAK, TAKMAN 3,069,578
MALIK, IBRAHIM JOHN 3,069,391
MALKAR, NAVDEEP B. 3,069,423
MALLORY, ROBERT WILLIAM 3,070,014
MALOJCIC, GORAN 3,069,683
MALYALA, PADMA 3,070,042
MAMMOLITI, OSCAR 3,069,038
MAN, HON-WAH 3,069,138
MANARESI, NICOLO 3,070,025
MANDOM CORPORATION 3,069,571
MANDRILADORA ALPESA, S.L. 3,069,642
MANEL-DELALEUX, JEAN 3,069,883
MANESS, DAVID A. 3,068,464
MANGUES BAFALLUY, RAMON 3,069,775
MANITOU BF 3,069,768
MANITOU BF 3,069,769
MANNA, KATHLEEN 3,069,690
MANNING, NEIL 3,069,305
MANNING, NEIL 3,069,309
MANOLAKOS, ALEXANDROS 3,069,504
MANOLAKOS, ALEXANDROS 3,069,757
MANZ, FLORIAN 3,069,546
MAO, CHUNYUAN 3,070,007
MAO, YALING 3,070,007
MARAIS, STEPHANE 3,069,763
MARANESI, BRUNELLA 3,069,606
MARCANO ZERPA, ARACELYS MARIA 3,069,763
MARCHAND, BAPTISTE 3,070,028

MARCK, JULIEN 3,069,727
MARCO, DORIT 3,069,359
MARIA, AMIR GAMAL 3,069,616
MARIA, AMIR GAMAL 3,069,623
MARIA, AMIR GAMAL 3,069,627
MARIGO, VALERIA 3,069,586
MARINEAU, JASON J. 3,069,683
MARINELLI, JAMES M. 3,069,477
MARINI, GIANLUCA 3,070,022
MARR, HARRY B. 3,069,243
MARTENS, FRANCISCUS J.A. 3,069,314
MARTIN, HELENE 3,069,049
MARTIN, JEFFREY DANIEL 3,069,184
MARTIN, MATTHEW 3,069,342
MARTINEZ ROCA, JESUS 3,070,185
MARTINIC, MARIANNE MARCELA ANDREA 3,069,363
MARTINS, DUARTE LIMA 3,069,593
MARTON, ROBERT 3,069,732
MASCHINENFABRIK REINHAUSEN GMBH 3,069,188
MASON, BRUCE 3,069,756
MASSACHUSSETTS INSTITUTE OF TECHNOLOGY 3,069,179
MASTERCARD INTERNATIONAL INCORPORATED 3,069,960
MASTRANGELO, CARLOS H. 3,069,149
MASTRONARDI, TONY 3,069,888
MASTRONARDI, TONY 3,069,890
MASUDA, KENGO 3,069,799
MASUDA, MASATO 3,069,402
MASUI, ATSUSHI 3,069,406
MASURE, LUC 3,070,137
MATERIAS S.R.L. 3,069,258
MATHEW, IDICULA 3,069,135
MATSUKUMA, MASAKI 3,069,559
MATSUNAGA, RYO 3,069,402
MATSUSUE, IKKO 3,060,037
MAUDSLEY, DAVID JOHN 3,069,259
MAUNDER, ROBERT 3,069,482
MAURER, DOMINIK 3,069,610
MAURER, DOMINIK 3,069,842
MAUSER-WERKE GMBH 3,069,605
MAVHUNGA, NIZBERT 3,069,913
MAY, EKKEHARD 3,069,193
MAYNOOTH UNIVERSITY 3,069,758
MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH 3,069,526
MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH 3,069,536
MAYRAND, JEAN 3,069,596
MAZZEO, LUIGI 3,070,116
MCALLISTER, JOHN R. 3,069,477
MCCARTHY, STEPHEN J. 3,069,467
MCCARTY, MICHAEL 3,069,506
MCCASLIN, MARK H. 3,069,945
MCCLUSKEY, CORY LEE 3,069,433
MCCORMICK, BETH A. 3,069,809
MCCORMICK, JAROD 3,069,314
MCDEVITT, MICHAEL 3,069,140
MCDONALD, ELLEN 3,069,196
MCGARIAN, BRUCE 3,069,274
MCGEOCH, PAUL DUNCAN 3,069,251
MCGILL, NICK 3,069,087
MCGREGOR, HANNA 3,069,816
MCINNES, JOSEPH 3,069,998
MCKAY, IAN SALMON 3,069,866
MCKENNA, GREGORY B. 3,069,428
MCLAUGHLIN, EDWARD GRUNDE 3,069,960
MCLIN, KRISTIE S. 3,069,151
MCMAHON, HEIDI RENATE 3,069,528
MCMASTER UNIVERSITY 3,069,196
MCNAMARA, STEVEN ANTONY MILTON 3,069,060
MCPHEE, ANDREW 3,068,872
MCQUAIDE, JESSICA 3,069,949
MCROBBIE, IAN MALCOLM 3,069,100
MCVEY, ANTHONY 3,069,135
MEDEL CABELLO, RAFAEL 3,070,094
MEDI-IMMUNE LIMITED 3,069,259
MEDIATEK, INC. 3,069,635
MEDIBIOFARMA, S.L. 3,069,273
MEDINCELL 3,069,787
MEELEY, ROBERT B. 3,069,749
MEEUWSE, FREDERIK MICHIEL 3,069,618
MEIER, HENDRIK 3,069,366
MEIRELES, LIDIO MARX CARVALHO 3,069,720
MEIYYAPPAN, KRISHNAN 3,070,009
MELZIG, MATTHIAS F. 3,069,604
MEMON, FARAH 3,069,411
MEMORIAL SLOAN KETTERING CANCER CENTER 3,069,140
MEMORIAL SLOAN KETTERING CANCER CENTER 3,069,865
MEMORIAL SLOAN-KETTERING CANCER CENTER 3,069,515
MENARINI SILICON BIOSYSTEMS S.P.A. 3,070,025
MENDES, CHRISTOPHE 3,069,280
MENDES-URSINE KRETTLI, IGOR 3,069,497
MENET, CHRISTEL JEANNE MARIE 3,069,038
MENG, QIANG 3,069,590
MENNEN, JOHANNES HENRICUS 3,069,894
MERRILL, RICHARD K. 3,068,605
MERTIN, FELIX ANDREAS 3,070,026
MESIC, MILAN 3,069,358
METABOLIC EXPLORER 3,069,548
METALCOATING S.R.L. 3,069,072
MEYER, DENNIS 3,068,464
MEYER, INGO 3,068,539
MEYER, RANDALL J. 3,069,380
MEYER, STEPHEN J. 3,069,341
MEYERS, THOMAS C. 3,069,831
MEZA, HUMBERTO V. 3,069,297
MICHUD, CLAIRE 3,069,615
MICK, STEVEN L. 3,069,978
MICK, STEVEN L. 3,069,981
MICROFAB SERVICE GMBH 3,069,489
MIDEA GROUP CO., LTD. 3,069,355
MIDEA GROUP CO., LTD. 3,069,397
MIDEA GROUP CO., LTD. 3,069,405
MIDEA GROUP CO., LTD. 3,069,584
MIKHEEV, MAXIM 3,069,449
MILANTONI, CHRISTOPHER J 3,069,802
MILBAR, MAREK 3,069,244
MILLAR, GARY BRET 3,069,777
MILLAR, GARY BRET 3,069,801
MILLAR, GARY BRET 3,069,825
MILLAR, GARY BRET 3,069,838
MILLAR, GARY BRET 3,069,845
MILLAR, GARY BRET 3,069,852
MILLAR, GARY BRET 3,069,872
MILLAR, GARY BRET 3,069,889
MILLAR, GARY BRET 3,069,904
MILLAR, GARY BRET 3,069,906
MILLAR, GARY BRET 3,069,916
MILLAR, GARY BRET 3,069,917
MILLAR, GARY BRET 3,069,918
MILLAR, GARY BRET 3,069,919
MILLAR, GARY BRET 3,069,924
MILLAR, GARY BRET 3,069,927
MILLAR, GARY BRET 3,069,931
MILLER, BRENDAN P. 3,068,660
MILLER, BRENDAN P. 3,068,664
MILLER, BRENDAN P. 3,068,707
MILLER, JOHN ROBERT 3,068,707
MILLER, JUSTIN KEVIN 3,069,675
MILLER, RICK G. 3,069,385
MILLER, TREVOR W. 3,069,620
MINCON INTERNATIONAL LIMITED 3,069,057
MINER ENTERPRISES, INC. 3,069,725
MINKLER, DOUGLAS J. 3,069,131
MINOTTI, ANGELO 3,069,639
MION, SPENCER 3,069,420
MIRACLE, GREGORY SCOT 3,069,250
MIRECA MEDICINES GMBH 3,069,586
MIRHAJI, PARSA 3,069,116
MIRKIN, CHAD A. 3,069,909
MITOBE, KEIKO 3,069,567
MITSUBISHI ELECTRIC CORPORATION 3,069,645
MITSUBISHI ELECTRIC CORPORATION 3,069,794
MITSUBOSHI BELTING LTD. 3,069,294
MIYAZAKI, MASAYUKI 3,069,389
MIYAZONO, KOHEI 3,069,343
MOADDEL, TEANOOSH 3,069,345
MOADDEL, TEANOOSH 3,069,484
MOADDEL, TEANOOSH 3,069,492
MOEBIUS, DAVID 3,069,683
MOENS, BART 3,069,758
MOESER, GEOFFREY D. 3,069,940
MOGANTY, SURYA S. 3,069,972
MOGANTY, SURYA S. 3,069,973
MOGANTY, SURYA S. 3,069,975
MOHAMMED, PROFESSOR AFZAL UR RAHMAN 3,069,637
MOHANTY, BEDA 3,069,751

MOHIN, JACOB W. 3,069,132
MOHIN, JACOB W. 3,069,147
MOHIN, JACOB W. 3,069,166
MOLINA SOTO, KAREN GILMA 3,069,814
MOLNAR, NICHOLAS 3,070,168
MONIAUX, NICOLAS 3,070,182
MONJE-DEISSEROTH, MICHELLE 3,069,527
MONTES DE OCA, HOCACIO 3,069,439
MONTOJO, JUAN 3,069,757
MOODY, SUSAN 3,069,561
MOODY, SUSAN 3,069,564
MOONEY, JILL 3,070,100
MOONEY, NATHAN K. 3,068,965
MOORE, CHRISTOPHER 3,069,893
MOORE, CORY S. 3,069,309
MOORE, SEAN 3,069,437
MOORE, SEAN 3,069,971
MOR, TSABAR 3,069,278
MORALES, LUIS 3,069,223
MORASH, DANIEL 3,069,807
MORENO VALLEJO, ILDEFONSO 3,070,185
MORIHARA, NAOAKI 3,069,811
MORRISON, WILLIAM B. 3,069,434
MORTENSEN, PETER MOLGAARD 3,069,262
MORTENSEN, PETER MOLGAARD 3,069,387
MORYS, MARIAN 3,069,087
MOSHOVOS, ANDREAS 3,069,779
MOSIER, PATRICK E. 3,069,718
MOSKOWITZ, SAMUEL 3,068,609
MOSKOWITZ, SAMUEL 3,069,225
MOSKOWITZ, SAMUEL 3,069,226
MOTOROLA SOLUTIONS, INC. 3,069,507
MOTOROLA SOLUTIONS, INC. 3,069,537
MOTOROLA SOLUTIONS, INC. 3,069,539
MOTT, KENNETH J. 3,069,426
MOTT, KENNETH J. 3,069,508
MOULIN, FLORIAN 3,069,879
MOUNIER, JULIE 3,069,268
MOUNT, CHRISTOPHER 3,069,527
MOWI ASA 3,069,113
MR INDUSTRIAL FASTENERS S.R.L. 3,069,375
MR INDUSTRIAL FASTENERS S.R.L. 3,069,378
MRK FINE ARTS, LLC 3,069,674
MRSNY, RANDALL 3,069,809
MUDRA, JIM 3,069,245
MUEHLBACH, KLAUS 3,070,031
MUELLER, EDGAR 3,070,050
MUELLER, EDGAR 3,070,183
MUHLHAUSSER, JURGEN 3,070,121
MUKHERJEE, RAJAT 3,069,622
MULFORD, IAIN 3,069,561
MULLER, MICHAEL 3,069,840
MULLER, OLIVER 3,070,040
MUNDRA, MANISH K. 3,069,289
MUNRO, CALUM H. 3,069,147
MUNRO, CALUM H. 3,069,166
MURATA, SHIRO 3,069,400
MURDOCK, DOUGLAS C. 3,069,942
MURPHY, RYAN 3,068,876
MURPHY, VINCENT J. 3,069,521
MUSAYEV, YASHAR 3,069,607
MUSE, MICHAEL 3,069,518
MUSSO, GARY F. 3,069,540
MUTHARD, RYAN W. 3,069,447
MY-VITALITY SARL 3,063,297
MYERS, STEPHEN 3,068,464
MYERS, WILLIAM 3,068,872
MYLING-PETERSEN, NILS 3,069,650
NADASDI, TODD T. 3,069,535
NADLER, EVAN P. 3,069,123
NADLER, RAM 3,069,278
NAEYMI-RAD, IVANA 3,069,245
NAGAHIRA, AYAKA 3,069,559
NAGAI, TOMOKO 3,060,036
NAGARAJ, GEETHA B. 3,069,507
NAGARAJA, SUMEETH 3,069,937
NAGATA, SATOSHI 3,069,613
NAGY, MARK, A. 3,069,138
NAGY, MICHAEL 3,069,230
NAIDU, VENKATARAMANA 3,069,282
NAIK, SUDHIR 3,069,965
NAINI, SANTHOSH REDDY 3,069,160
NAKAJIMA, CHIE 3,069,400
NAKAMURA, YUKA 3,069,803
NAKAO, KAZUHISA 3,069,406
NAPOLITANO, GUILLERMO E 3,069,824
NARIZUKA, KUMI 3,069,288
NARIZUKA, KUMI 3,069,575
NARLA, RAMA, K. 3,069,138
NARUSHIMA, SEIKO 3,069,567
NASO, MICHAEL 3,070,100
NATHANI, ARUN VIJAY 3,069,279
NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY 3,069,400
NEDDEN, HANS GUENTER 3,069,059
NEGLIA, GIANLUCA 3,069,258
NEGRE, BERNARD 3,069,267
NEICHEL, NICOLAS 3,069,517
NEIMANN, KARINE 3,069,359
NELSON, ADAM CORY 3,069,292
NELSON, JENNIFER 3,070,104
NELSON, KIMBERLY 3,069,649
NEMET, ZOLTAN 3,069,619
NES, NILS ASBJORN 3,070,030
NESTERENKO, NIKOLAI 3,069,268
NESTERUK, JULIA 3,069,874
NETFLIX, INC. 3,069,853
NETFLIX, INC. 3,069,875
NEUBAUER, MICHAEL R. 3,070,059
NEUERE, LLC 3,069,462
NEUMANN, HELFRIED 3,070,021
NEURODERM LTD 3,069,278
NEURONOFF, INC. 3,069,424
NEUZERET, DIDIER 3,069,879
NEW MOTION LABS LTD. 3,069,495
NEW YORK AIR BRAKE LLC 3,069,900
NEWPORT, DAVE G. 3,069,675
NEWSWANGER, BRETT 3,069,533
NEXT CENTURY SPIRITS, LLC 3,069,832
NEXTIVITY, INC. 3,069,133
NG, CHRISTINE, S. T. 3,069,501
NGO, BRYAN 3,069,515
NI, YICHENG 3,069,042
NI, YUHUI 3,069,530
NIANTIC, INC. 3,069,626
NICHOLSON, CHARLES BRENDAN 3,069,312
NICHOLSON, JAMES GARRET 3,069,541
NICKEL, ERIC 3,069,420
NICOLAIS, LUIGI 3,069,258
NICOLOSI, GIOVANNI 3,069,104
NICOSIA, ALFREDO 3,069,047
NICOSIA, ALFREDO 3,069,051
NIEDERSTRASSER, CARLOS GUILLERMO 3,069,541
NIELSON, RYAN LOUIS 3,070,177
NIELSON, RYAN LOUIS 3,070,179
NIEVOLL, JOSEF 3,070,121
NIITTI, TOMI MATTI JUHANI 3,070,181
NIJMEIJER, BART ANTONIUS 3,069,194
NIKOLAEV, VIACHESLAV 3,069,379
NIKOOZADEH, AMIN 3,069,411
NILCHIAN, MASIH 3,063,297
NIMMAGADDA, ALEKHYA 3,069,736
NIPPON SODA CO., LTD. 3,069,803
NIR, RAPHAEL 3,069,745
NISHI, TAKAHIRO 3,069,579
NISHIMORI, ASAMI 3,069,400
NISHIURA, YUJI 3,069,799
NISHIYAMA, YOJI 3,069,343
NISSAN MOTOR CO., LTD. 3,068,684
NISSAN MOTOR CO., LTD. 3,069,108
NISSAN MOTOR CO., LTD. 3,069,112
NISSAN MOTOR CO., LTD. 3,069,114
NISSAN MOTOR CO., LTD. 3,069,117
NISSAN MOTOR CO., LTD. 3,069,417
NISSHINBO HOLDINGS INC. 3,069,288
NISSHINBO HOLDINGS INC. 3,069,376
NISSHINBO HOLDINGS INC. 3,069,575
NIU, SHIWEI 3,070,032
NODU, KOUHEI 3,069,799
NOHMS TECHNOLOGIES, INC. 3,069,972
NOHMS TECHNOLOGIES, INC. 3,069,973
NOHMS TECHNOLOGIES, INC. 3,069,975
NOMURA, TATSUO 3,069,626
NONAKA, TOMOKO 3,060,036
NONNEN, JORG 3,069,631
NOORT, WILHELMUS 3,069,264
NORTH & SOUTH BROTHER PHARMACY INVESTMENT COMPANY LIMITED 3,069,773
NORTHROP GRUMMAN INNOVATION SYSTEMS, INC. 3,069,541
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,069,514
NORTHWESTERN UNIVERSITY 3,069,909
NOSCENDO GMBH 3,069,349
NOUSCOM AG 3,069,047
NOUSCOM AG 3,069,051
NOV, ORI 3,069,287
NOVARTIS AG 3,068,936

NOVARTIS AG 3,069,561
NOVARTIS AG 3,069,564
NOVELIS INC. 3,069,499
NOVELIS INC. 3,069,978
NOVELIS INC. 3,069,981
NOVELIS INC. 3,070,003
NOVELIS INC. 3,070,014
NTT DOCOMO, INC. 3,069,613
NTT DOCOMO, INC. 3,069,641
NUANCE ENERGY GROUP, INC. 3,069,510
NURIBIOL 3,069,353
NUTRECO IP ASSETS B.V. 3,070,001
NUVATION BIO INC. 3,070,073
O'BRIEN, DANIEL E. 3,069,439
O'CONNOR, RYAN 3,069,649
O'FLYNN, LISA 3,069,805
O'LEARY, SEAN 3,069,758
O'MALLEY, DANIEL 3,069,524
OBATA, YASUSHI 3,069,794
OBERHOLZER, MATTHEW RICHARD 3,070,104
OCHABAUER, FERDINAND 3,070,121
ODIN & THOR APS 3,070,106
OFINNO, LLC 3,069,759
OGIHARA, MASANORI 3,069,446
OH, EUN SEON 3,069,404
OH, SANG-HO 3,069,408
OH, YOUNGHOON 3,068,622
OHASHI, ISAO 3,069,160
OHASHI, KAZUHIKO 3,069,400
OHKAWA, MASATO 3,069,579
OHKUBO, HITOSHI 3,068,707
OHMAN, ULRIKA 3,070,129
OKADA, FUMIHIRO 3,069,571
OKAGAWA, TOMOHIRO 3,069,400
OLCOTT, ERIC 3,069,411
OLICHNEY, MICHAEL 3,069,666
OLIPASS CORPORATION 3,069,570
OMYA INTERNATIONAL AG 3,070,181
ONCORUS, INC. 3,069,821
ONG, KENNETH HIN-LEONG 3,069,289
OOSTDIJK, MARTIJN DIEDERIK 3,069,264
OPEN STENT SOLUTION 3,069,991
ORACLE INTERNATIONAL CORPORATION 3,068,875
ORACLE INTERNATIONAL CORPORATION 3,070,006
ORACLE INTERNATIONAL CORPORATION 3,070,009
ORBSEN THERAPEUTICS LIMITED 3,069,805
ORIONIS BIOSCIENCES INC. 3,069,930
ORIONIS BIOSCIENCES NV 3,069,930
ORNELAZ, RICHARD DECENA 3,069,293
ORONSKY, BRYAN T. 3,069,004
ORR, ROBERT 3,069,339
ORTEGA, ANTHONY T. 3,069,664
ORTIZ CORDOVA, MONICA 3,068,967
ORTIZ, OLIVER BENJAMIN 3,069,541
ORTIZ, STEPHAN 3,069,756
ORUPOLD, TAAVI 3,069,340
OSAKI, YOSHIRO 3,069,396
OSAWA, RYOSUKE 3,069,641
OSBY, JOHN 3,069,291
OSEL, INC. 3,068,974
OSRAM SYLVANIA INC. 3,070,084
OSTOVIC, DRAZEN 3,069,540
OTOMAGNETICS, INC. 3,069,671
OTT, RANDY 3,069,505
OTTO, CHRISTIANE 3,069,193
OTTO, GEOFFREY ALAN 3,069,469
OTTO, RICO 3,065,029
OUERFELLI, OUATHEK 3,069,140
OUSTER, INC. 3,068,943
OUTOTEC (FINLAND) OY 3,069,101
OVERHOFF, KIRK A. 3,068,609
OWEN, DAVID ALEXANDER 3,070,033
OWENS-BROCKWAY GLASS CONTAINER INC. 3,069,436
OXFORD NANOSYSTEMS LTD 3,069,884
OZOL, SECKIN 3,070,062
OZSUMER, SERDAR 3,069,278
PACALA, ANGUS 3,068,943
PACCAR INC 3,069,388
PACIOTTI, GABRIEL 3,069,793
PAGE, BRENT 3,069,065
PAJALA, TOMMI 3,068,541
PALESE, CHRISTOPHER 3,069,688
PALISSE, ADELINE MARIE ELISE 3,069,038
PALLE, VENKATA, RAGHAVENDRACHARYULU 3,069,107
PALMIERI, GIANNA 3,069,258
PALMOWSKI, HERBERT 3,069,029
PALUDAN, RIIS SOREN 3,069,780
PAN, WEI 3,069,829
PAN, WENBIN 3,069,382
PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA 3,069,579
PANDEY, SHASHANK S. 3,069,149
PANTOJA CHECA, JACOBO 3,070,185
PAQUET-DURAND, FRANCOIS 3,069,586
PARASHAR, RAJEEV 3,069,965
PARIS SCIENCES ET LETTRES - QUARTIER LATIN 3,070,178
PARK SURGICAL INNOVATIONS, LLC 3,068,972
PARK, BO MI 3,069,118
PARK, CHONG-WOO 3,069,118
PARK, DAVID D. 3,068,972
PARK, HYE MI 3,069,570
PARK, IL HYUN 3,069,580
PARK, KYUNGMIN 3,069,759
PARK, LAURA 3,069,657
PARK, MIN AH 3,069,404
PARK, SANG RAE 3,069,409
PARK, SEYONG 3,070,000
PARK, SO-JUNG 3,050,149
PARK, SO-JUNG 3,051,217
PARKS, THOMAS P. 3,068,974
PARNELL, JESS 3,069,437
PARREN, PAUL 3,069,391
PASCAL, CECILE 3,069,046
PASSOS, RAFAELA CARVALHAL 3,069,435
PATEL, HIMANSHUKUMAR DASHARATHLAL 3,069,282
PATEL, RAJEN M. 3,069,289
PATIL, SANTOSH K. 3,069,502
PATIL, VARSHAVEKUMAR S. 3,070,073
PATINO MARTINEZ, EDUARDO LUIS 3,068,877
PATTERSON, ADAM 3,069,867
PATTERSON, DARLA K. 3,070,074
PATTERSON, NICHOLAS M. 3,069,329
PATTERSON, ROY C. 3,070,074
PAUL, BIJOY 3,069,680
PAUL, HANNS-INGOLF 3,069,182
PAUL, HANNS-INGOLF 3,069,371
PAUL, HANNS-INGOLF 3,069,638
PAUL, HANNS-INGOLF 3,069,643
PAUL, SARAH MARGARET 3,069,469
PAULSEN, HOLGER 3,070,110
PAULUS, ANJA SARAH 3,069,073
PAVONE, DOMENICO 3,069,029
PAWLAK, JOEL JUSTIN 3,069,832
PBSC URBAN SOLUTIONS INC. 3,069,577
PEACOCK, MARTIN 3,069,606
PEBREL, LEA 3,069,787
PEDROZA ISLAS, RUTH 3,069,659
PELLET, ALAIN 3,069,046
PENG, YU 3,069,701
PENNER, GREGORY ALLEN 3,069,933
PENNEY, JAY 3,069,179
PEREYRA, RODRIGO M. 3,070,084
PERKINS, BERNARD L. 3,069,297
PEROT, FREDERIC 3,069,873
PERRY, JOHN J. 3,069,657
PETERMAN, MARC 3,069,416
PETERS, CHAD 3,069,532
PETERSON-BURCH, BROOKE 3,069,749
PETIT, AUDREY 3,069,787
PETROLEO BRASILEIRO S.A. - PETROBRAS 3,069,497
PETRUZZELLI, LILLI 3,069,564
PETRY, HARALD PETER ALBERT 3,069,369
PFIZER INC. 3,069,363
PFIZER INC. 3,069,914
PHAM, SON MINH 3,070,073
PHAN, KIMCHI T. 3,069,315
PHILLIPS, MICHAEL PAUL 3,069,959
PHILOMINATHAN, LEENA 3,069,756
PICCOLI, LUCA 3,069,265
PICCOTTI, JOSEPH, R. 3,069,138
PIERCE, DANIEL, W. 3,069,138
PIERCE, DEREK D. 3,069,305
PIERCE, DEREK D. 3,069,309
PIIRONEN, MARJATTA 3,068,542
PILLING, IAN 3,070,077
PIONEER HI-BRED INTERNATIONAL, INC. 3,069,749
PIOTROWSKI, ANDREW 3,069,231
PIPE PILOT AS 3,068,703
PITARI, GIOVANNI MARIO 3,069,104

Index of PCT Applications Entering the National Phase

PK MED SAS 3,069,263
PK MED SAS 3,069,399
PLAGER, STEVEN 3,069,538
PLAHEY, KULWINDER S. 3,069,753
PLAHEY, KULWINDER S. 3,069,761
PLAZA GARCIA, JONAS 3,069,501
PLAZIO, RYAN T. 3,069,147
PLINGE, AXEL 3,069,772
PLISKA, ADAM 3,069,129
PLODER, BETTINA 3,069,256
PLODER, BETTINA 3,069,295
PLOWMAN, GREGORY D. 3,069,254
PLUCKHAHN, FRANK 3,069,653
PLURALITY PARTNERS B.V. 3,069,029
POCARED DIAGNOSTICS LTD. 3,069,281
PODGORNY, IGOR A. 3,069,936
PODSIADLO, PAUL 3,069,467
POET RESEARCH, INC. 3,069,318
POIRIER, JACQUES 3,069,615
POIROT, LAURENT 3,069,557
POLARIS INDUSTRIES, INC. 3,069,224
POLJAK, TANJA 3,069,358
POLONEN, HARRI 3,069,622
POLSTER, WOLFGANG 3,069,547
PONCIN-EPAILLARD, FABIENNE 3,069,763
POPOV, KONSTANTIN S. 3,069,183
POPOWICH, SHELLY 3,069,762
POPP, GREGORY D. 3,069,129
PORA, LOIC 3,069,609
PORTOCEL - TERMINAL ESPECIALIZADO DE BARRA DO RIACHO S.A. 3,069,591
POULETTY, PHILIPPE 3,069,263
POULETTY, PHILIPPE 3,069,399
PPG INDUSTRIES OHIO, INC. 3,069,121
PPG INDUSTRIES OHIO, INC. 3,069,132
PPG INDUSTRIES OHIO, INC. 3,069,147
PPG INDUSTRIES OHIO, INC. 3,069,166
PPG INDUSTRIES OHIO, INC. 3,069,525
PRAAKTIS LIMITED 3,069,588
PRAEVIUM RESEARCH, INC. 3,069,723
PRAPHULLA 3,069,346
PRAXAIR TECHNOLOGY, INC. 3,069,739
PRC-DESOTO INTERNATIONAL, INC. 3,069,134
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,069,160
PRESSMAN, SIGAL 3,068,673
PRESTON, KYLE 3,069,974
PRESTRELSKI, STEVEN 3,069,533
PRICE, GABRIEL N. 3,069,440
PRIHODA S.R.O. 3,069,603
PRIHODA, ZDENEK 3,069,603
PRIMUS PHARMACEUTICALS, INC. 3,069,921
PRINCE, ELISABETH 3,069,870
PROKEIN, PETER 3,069,656
PROVINS, LAURENT 3,069,172
PRUZINER, ALISON 3,069,420
PTACIN, JEROD 3,069,321
PU, CHAO 3,069,236
PU, GONGWEI 3,069,164
PU, WILLIAM 3,069,127
PUCKETT, JOHN 3,069,158
PUERTA, JEFFERSON 3,069,742
PUJOL BECH, EUGENIA 3,069,012
PURCELL, CIARAN 3,069,057
PURCELL, JOSEPH 3,069,057
PURKIS, DANIEL GEORGE 3,069,275
PYLKKANEN, VESA 3,069,649
QASEM, EYAD A. 3,068,968
QI, NA 3,070,062
QIAN, YIMIN 3,069,544
QIANG, LIANGLIANG 3,065,027
QIN, YINGPING LUCY 3,069,543
QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD. 3,068,878
QU, GUANG 3,068,622
QUALCOMM INCORPORATED 3,069,186
QUALCOMM INCORPORATED 3,069,187
QUALCOMM INCORPORATED 3,069,459
QUALCOMM INCORPORATED 3,069,504
QUALCOMM INCORPORATED 3,069,711
QUALCOMM INCORPORATED 3,069,712
QUALCOMM INCORPORATED 3,069,741
QUALCOMM INCORPORATED 3,069,757
QUALCOMM INCORPORATED 3,069,937
QUALCOMM INCORPORATED 3,070,000
QUALICAPS CO., LTD. 3,069,396
QUAN, CONGLING 3,069,484
QUANTUM-SI INCORPORATED 3,069,974
QUANTUM-SI INCORPORATED 3,069,983
QUANTUM-SI INCORPORATED 3,069,985
QUAS, BRETT 3,069,230
QUE, QIUDENG 3,069,542
QUE, QIUDENG 3,069,543
QUEAU, HERVE 3,069,879
QUEEN'S UNIVERSITY AT KINGSTON 3,069,346
QUIGLEY, MIKE 3,069,626
QUIRIJNS, CATHARINUS ANNE 3,069,629
R-SOLUTION MEDICAL B.V. 3,069,298
RADAELLI, GUIDO 3,069,314
RADHAKRISHNAN, BALASINGAM 3,069,423
RADICI CHIMICA S.P.A. 3,069,697
RADICI CHIMICA S.P.A. 3,069,708
RAFFERTY, JOHN 3,069,327
RAGHAVAN, KAVESARY 3,069,235
RAGHUNADHACHETTY, JITHENDRABABU 3,069,107
RAGHUNATHAN, ADITYA 3,069,973
RAI STRATEGIC HOLDINGS, INC. 3,070,045
RAIZADA, NISHANT 3,069,299
RAIZADA, NISHANT 3,069,724
RAIZADA, NISHANT 3,070,056
RAMACHANDRAN, SREEKANTH A. 3,070,073
RAMACHANDRAN, SUNDER 3,069,315
RAMACHANDRAN, VILAYANUR S. 3,069,251
RAMASAMY, ELLANKAVI 3,069,420
RAMASWAMY, SUYAMBU KESAVA VIJAYAN 3,069,693
RAMBAM MED-TECH LTD. 3,068,673
RAMJIT, AVINASH L. 3,069,710
RANA, GEETA 3,069,435
RAND, KASPER DYRBERG 3,069,391
RANGARAJAN, KESHAVA 3,070,056
RANGARAJAN, KESHAVA PRASAD 3,069,299
RANGARAJAN, KESHAVA PRASAD 3,069,724
RAO, SRINIVASA 3,069,731
RASMUSSEN, MORTEN F. 3,069,411
RAY, ANANDAROOP 3,068,710
RAYCONT LTD. 3,069,798
RAYNAUD, CELINE 3,069,548
RAYTHEON COMPANY 3,069,243
RAYTHEON COMPANY 3,069,440
RAYTHEON COMPANY 3,069,923
RAYTHEON COMPANY 3,070,063
REARICK, TODD 3,069,983
REBER, JENS-PETER 3,070,150
REBER, JENS-PETER 3,070,174
REBUFA, JOCELYN 3,069,765
RECH, ANTHONY 3,069,787
REDDY, B. RAGHAVA 3,069,328
REDDY, B. RAGHAVA 3,069,333
REDDY, B. RAGHAVA 3,069,337
REDDY, P. HEMACHANDRA 3,069,445
REED, BRIAN 3,069,985
REES, JOHN JOSEPH MATTHEWS 3,069,320
REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG 3,070,121
REFUGE BIOTECHNOLOGIES, INC. 3,069,522
REGALLA, VIJAYBHASKAR, REDDY 3,069,107
REGENERON PHARMACEUTICALS, INC. 3,069,455
REGION MIDTJYLLAND 3,068,974
REIP, ALEXANDER 3,069,884
RELIANTHEART, INC. 3,068,628
REME TECHNOLOGIES, LLC 3,069,461
REN, FENG 3,069,554
REN, HONGJI 3,065,029
REN, LINXING 3,069,355
RENEHAN, THOMAS 3,069,439
RENSHAW, BLAIR 3,069,238
RENTSCH, ANDREAS 3,069,586
RENZULLI, CECILIA 3,069,989
REPENNING, DETLEV 3,069,607
RETSINA, THEODORA 3,069,649
REZVANI, SAEID 3,070,075
REZVANI, SHAHRAM 3,070,075
RHODIA OPERATIONS 3,069,049
RIBEIRO, AGOSTINI 3,069,591
RICE, LAURA 3,069,500

RICHARD, ISABELLE 3,069,045
RICHARD, JEAN-CHRISTOPHE 3,068,947
RICHARD, JEAN-CHRISTOPHE 3,068,951
RICHARDSON, JR., ROBERT L. 3,069,751
RICHTER, ANDREAS 3,069,257
RICKARDS, JULIAN PETER 3,069,309
RICO ALVARINO, ALBERTO 3,069,459
RICO ALVARINO, ALBERTO 3,069,741
RIDEOUT, DARRYL 3,069,699
RIES, SUSAN 3,069,120
RIGGS, JAMES CHARLES 3,070,014
RIGOLLOT, MARCEAU 3,068,947
RIGOLLOT, MARCEAU 3,068,951
RIIKONEN, PETER 3,069,331
RILEY, ADAM D. 3,069,534
RINGE, ROBERT 3,070,148
RINGER, YORAM 3,069,341
RITCHIE, SHELDON 3,069,746
RITTER, JOACHIM 3,069,638
RITTER, JOACHIM 3,069,643
RIVA, ANTONELLA 3,069,055
ROBERGE, CHRISTOPHE 3,069,787
ROBERTSON, ERIC 3,069,304
ROBERTSON, SARAH 3,068,609
ROBERTSON, SARAH 3,069,225
ROBERTSON, SARAH 3,069,226
ROBINSON SALVI DOS REIS, NEY 3,069,497
ROBINSON, IAN S. 3,069,243
ROBINSON, JOHN 3,069,606
ROCHE, REGIS 3,069,600
ROCHESTER GAUGES, INC 3,034,902
RODGERS, CHARLES A. 3,069,945
RODRIGUES DA COSTA, JOSE 3,069,767
RODRIGUEZ IGLESIAS, RODOLFO 3,069,273
ROE, GLEN E. 3,069,506
ROGERS, EVAN W. 3,069,232
ROGERS, JONATHAN 3,069,437
ROGOWSKI, KRZYSZTOF 3,069,617
ROHM AND HAAS COMPANY 3,069,164
ROHM AND HAAS COMPANY 3,069,170
ROJO, MIGUEL ANGEL 3,069,141
ROMERO, JAN 3,059,773
ROMESBERG, FLOYD E. 3,069,321
RONCHI, MASSIMO 3,069,055
ROQUETTES FRERES 3,069,628
ROSARIA, JUSTIN JASON 3,069,283
ROSCH, MATTHIAS 3,069,785
ROSE, MARK SCOTT 3,069,543
ROSENBAUM, JOANNA 3,069,949
ROSENBERG, DANIEL 3,069,314
ROSEVEAR, ALBERT E., JR. 3,069,967
ROSS, HERBERT G., JR. 3,034,902
ROSSON, PAUL ANDREW 3,069,588
ROSTAMI, SHAMSEDIN 3,069,439
ROSTRUM MEDICAL INNOVATIONS INC. 3,069,816
ROSTRUP-NIELSEN, THOMAS 3,069,493
ROSWECH, TODD 3,069,983
ROTH, MATTHIAS 3,069,840
ROTHBERG, JONATHAN M. 3,069,974
ROTHBERG, JONATHAN M. 3,069,983
ROTHBERG, JONATHAN M. 3,069,985
ROTHMAN, JOHN 3,069,703
ROUACH, NATHALIE 3,070,178
ROUSH, WILLIAM R. 3,069,524
ROUSSEAU, SIMON 3,069,049
ROUSSET, PHILIPPE 3,069,351
ROUTHIER, ERIC 3,069,756
ROVI GUIDES, INC. 3,069,506
ROVI GUIDES, INC. 3,069,898
ROWLAND, HARRY 3,069,230
RU, QIANG 3,068,878
RUBAIY, HUSSEIN 3,068,980
RUBNER, FLORIAN 3,069,882
RUPRECHT-KARLS-UNIVERSITAT HEIDELBERG 3,070,040
RUSH UNIVERSITY MEDICAL CENTER 3,069,861
RUSSELL, ALEXANDRA F. 3,069,967
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY 3,069,246
RXSIGHT, INC. 3,069,709
RYAN, JAMES 3,069,510
RYU, JAE HO 3,069,741
SABRIPOUR, SHERVIN 3,069,537
SAFEWORKS, LLC 3,068,873
SAFEWORKS, LLC 3,069,227
SAFFON, MAXIME 3,069,351
SAFRAN AEROSYSTEMS 3,069,280
SAFRAN AIRCRAFT ENGINES 3,069,609
SAFRAN ELECTRICAL & POWER 3,069,883
SAGE PRODUCTS, LLC 3,069,729
SAGEL, PAUL ALBERT 3,069,933
SAHAI, ACHALESHWAR 3,069,741
SAIN, RATNANABHA 3,069,322
SAINT-GERMAIN, DAVID 3,069,577
SAINT-GOBAIN GLASS FRANCE 3,069,546
SAINT-GOBAIN GLASS FRANCE 3,069,765
SAINT-GOBAIN GLASS FRANCE 3,070,116
SAINT-GOBAIN ISOVER 3,069,242
SAINT-GOBAIN ISOVER 3,069,766
SAINT-GOBAIN PERFORMANCE PLASTICS PAMPUS GMBH 3,069,822
SAINT-GOBAIN PLACO S.A.S. 3,069,629
SAITO, KEISUKE 3,069,613
SAITOU, HIDEO 3,069,579
SAJIKI, YAMATO 3,069,400
SAKAKURA, SHIGEKI 3,069,290
SAKURAI, YASUHIRO 3,069,108
SAKURAI, YASUHIRO 3,069,112
SAKURAI, YASUHIRO 3,069,114
SAKURAI, YASUHIRO 3,069,117
SAKURAI, YASUHIRO 3,069,417
SALONI, DANIEL 3,069,535
SALVI, RAUL 3,069,507
SALZMAN, DAVID 3,069,738
SAMA, SIMKO 3,069,604
SAMPAOLO, ANGELO 3,069,429
SAMPATH, ASHWIN 3,069,937
SAMSA, MARCELO 3,070,042
SAMSON CLINICAL PTY LTD 3,069,336
SAMUEL, ROBELLO 3,069,724
SAMUEL, ROBELLO 3,070,056
SANBORN, JONATHAN 3,069,538
SANDERS, MARTIN E. 3,069,672
SANDERS, MARTIN E. 3,069,676
SANKAR, HARI 3,069,757
SANO, HIROSHI 3,069,803
SANOFI 3,069,046
SANTAMARIA, ANTHONY 3,070,063
SANTORA, VINCENT JOHN 3,069,432
SANTOS, LEONARDO JUNIO DE OLIVEIRA 3,069,814
SARAYA, MOHAMED IBRAHIM 3,069,306
SARDASHTI, SOMAYEH 3,070,009
SARGAIYAN, DINESH 3,069,965
SARGEANT, STEVEN 3,069,965
SARKISIAN, ALAN 3,070,084
SASAKAWA, GOUKI 3,069,885
SASAKI, YOSHIKAZU 3,069,799
SATO, KO 3,069,108
SATO, KO 3,069,112
SATO, KO 3,069,114
SATO, KO 3,069,117
SATO, KO 3,069,417
SATO, TETSUTARO 3,069,288
SATO, TETSUTARO 3,069,376
SATO, TETSUTARO 3,069,575
SAUDI ARABIAN OIL COMAPNY 3,068,968
SAUDI ARABIAN OIL COMAPNY 3,069,325
SAUDI ARABIAN OIL COMPANY 3,069,001
SAUDI ARABIAN OIL COMPANY 3,069,328
SAUDI ARABIAN OIL COMPANY 3,069,333
SAUDI ARABIAN OIL COMPANY 3,069,337
SAUDI ARABIAN OIL COMPANY 3,069,429
SAUDI ARABIAN OIL COMPANY 3,069,662
SAUDI ARABIAN OIL COMPANY 3,069,678
SAUERBIER, CARSTEN 3,069,812
SAUERBIER, CARSTEN 3,070,114
SAVARAM, KEERTHI 3,069,246
SAWANT, ARUN VITTHAL 3,069,790
SAWANT, ARUN VITTHAL 3,069,796
SAXTY, GORDON 3,069,358
SAYRE, RICHARD T. 3,069,178
SCARLETT, CAROL Y. 3,069,307
SCARSELLI, ELISA 3,069,047
SCARSELLI, ELISA 3,069,051
SCHAEFFLER TECHNOLOGIES AG & CO. KG 3,069,607
SCHANER, DANIEL T. 3,069,751
SCHEEPENS, SIMON 3,069,629

SCHEIB, CHARLES J. 3,070,029
SCHIFF, DAVID 3,069,087
SCHIFF, DAVID 3,069,124
SCHILLE, NADINE 3,069,286
SCHILLINGS, PETER 3,070,116
SCHIMOSSEK, KLAUS 3,069,549
SCHIRMER, TIFFANY LAVON 3,069,141
SCHLAEPER, CHRISTIAN 3,069,229
SCHLANG, FABIAN 3,070,017
SCHLEICHER, GARY P. 3,069,465
SCHLEICHER, GARY P. 3,069,467
SCHLEIFMAN, ERICA BETH 3,069,469
SCHLESSINGER, JOSEPH 3,069,143
SCHLITTENHARD, JAN 3,069,192
SCHMEDES, JAN 3,069,322
SCHMID, GERARD 3,069,974
SCHMID, MATHIEU 3,070,050
SCHMID, MATHIEU 3,070,183
SCHMIDT, MICHAEL MARCH 3,069,438
SCHMIDT, PATRICK 3,070,040
SCHMIDT, YVONNE 3,069,720
SCHMITT, KYLE PATRICK 3,069,511
SCHMITT, SYLVAIN 3,069,770
SCHMOCKER, ANDREAS 3,069,655
SCHNEIDER, BERND 3,070,116
SCHNEIDER, MARTIN 3,069,656
SCHNEIDER, URS 3,069,420
SCHOEDL, ERICH A. 3,069,725
SCHOELLER ALLIBERT GMBH 3,069,781
SCHOLLER, KATRIN 3,069,549
SCHORLING, PER 3,069,840
SCHUCH, RAYMOND 3,069,679
SCHUMACHER ELECTRIC CORPORATION 3,068,986
SCHUMANN, ADAM 3,069,342
SCHUTZINGER, STEFAN 3,068,538
SCHUVER, SAMUEL 3,069,436
SCHWAIGER, HUBERT MARTIN 3,069,433
SCHWAN, PETER 3,070,113
SCHWARZ, HENRY 3,069,785
SCHWEDE, FRANK 3,069,586
SCIALLA, STEFANO 3,069,249
SCIALLA, STEFANO 3,069,250
SCOBIE, MARTIN 3,069,065
SCOTT, EDMUND 3,070,137
SCOTT, ERIN 3,069,708
SCOTT, RYAN N. 3,069,477
SEDDON, DAVID ALAN 3,068,977
SEEDIG, JASON A. 3,069,652
SEGAL, STEPHEN 3,069,723
SEHANOBISH, KALYAN 3,069,289
SEIBERT, JOACHIM ULRICH 3,069,646
SEKIGUCHI, KIYOTOSHI 3,069,571
SELA, YORAM 3,069,902
SELDEN, RICHARD F. 3,069,668
SELEVAN, ADAM JORDAN 3,068,992
SELEVAN, DANIEL JOSEPH 3,068,992
SELEVAN, JAMES R. 3,068,992
SELVAGANAPATHY, PONNAMBALAM (RAVI) 3,069,196
SELVERIAN, JOHN 3,070,084
SENCAR, JURE 3,069,593
SENESCENCE LIFE SCIENCES PTE. LTD. 3,069,556
SENJU METAL INDUSTRY CO., LTD. 3,060,036
SENKO ADVANCED COMPONENTS, INC. 3,069,706
SENSORY ANALYTICS, LLC 3,069,855
SERINDOUX, JULIETTE 3,069,787
SESSIONS, BLAKE 3,069,516
SHACKLEFORD, DAVID 3,069,765
SHAFIEI, MEHDI 3,069,978
SHAFIEI, MEHDI 3,069,981
SHAKI, DANIEL 3,069,278
SHAMES, DAVID 3,069,469
SHAN, QI 3,069,813
SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD 3,070,004
SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD. 3,069,392
SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD. 3,070,016
SHANGHAI JIAO TONG UNIVERSITY 3,069,594
SHANGHAI TOLO BIOTECHNOLOGY COMPANY LIMITED 3,069,788
SHAPIRO, BENJAMIN 3,069,671
SHARAFI, FARAZ 3,069,936
SHARIFY, SAYEH 3,069,779
SHARKNINJA OPERATING LLC 3,069,959
SHARMA, J.K. 3,069,965
SHARMA, KRISHNA KANT 3,069,965
SHARMA, RAJAT 3,069,624
SHARMA, RAMESH 3,069,151
SHAW, DAVID 3,069,720
SHAW, MICHAEL J. 3,069,518
SHECHTER, SHARON 3,069,745
SHEEHAN, STAFFORD WHEELER 3,068,468
SHEETS, JR., JOHN W. 3,069,424
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,069,144
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,069,255
SHEN, WAN-CHEN 3,069,228
SHEN, YANG 3,069,254
SHEPHERD, WILLIAM ERIC 3,070,046
SHEPHERD, WILLIAM ERIC 3,070,049
SHERIDAN, DAVID 3,069,314
SHETH, URVI JAGDISHBHAI 3,069,720
SHI, BING 3,070,154
SHI, CHARLES 3,069,348
SHI, CHARLES 3,069,997
SHI, JIA 3,070,006
SHI, JIA 3,070,009
SHI, XINGHUA 3,069,985
SHIH, WEI-TING 3,069,228
SHIMAN, DMITRYI 3,070,031
SHIN, EUNJI 3,069,296
SHIN, WOO-SEOB 3,069,408
SHIONOGI & CO., LTD. 3,069,799
SHMUELI, GAD 3,069,798
SHOFFSTALL, ANDREW J. 3,069,424
SHONO, YUSUKE 3,069,565
SHOP VAC CORPORATION 3,069,237
SHOR, ERAN 3,069,278
SHUBER, ANTHONY P. 3,069,831
SHUBER, ANTHONY P. 3,069,834
SHUBER, ANTHONY P. 3,069,843
SHUBER, ANTHONY P. 3,069,934
SHUBER, ANTHONY P. 3,069,939
SHUCHART, CHRIS ERIC 3,069,503
SHUGARMAN, ALAN E. 3,070,059
SHUKOOR, MOHAMMED 3,069,671
SICHUAN BAILI PHARMACEUTICAL CO. LTD. 3,069,238
SICHUAN HAISCO PHARMACEUTICAL CO., LTD. 3,069,820
SICILIAN, JOSHUA ALAN 3,069,461
SICPA HOLDING SA 3,070,050
SICPA HOLDING SA 3,070,183
SIEBERT, AXEL 3,070,019
SIEMENS MOBILITY, INC. 3,069,677
SIMMONS, HEATHER LEIGH 3,069,346
SIMMONS, WILLIAM A. 3,069,443
SIMONTON, THOMAS C. 3,069,737
SIMONTON, THOMAS C. 3,069,968
SINCLAIR, RODNEY 3,069,336
SINGER, DEBRA L. 3,069,132
SINGER, JUSTIN 3,069,694
SINGH, MAYANK 3,069,231
SINGH, VIJAY P. 3,069,526
SINGHANIA, RAJAT 3,069,754
SINICROPI, JOHN 3,069,972
SINICROPI, JOHN 3,069,973
SINICROPI, JOHN 3,069,975
SINKO, WILLIAM 3,069,683
SINPHAY, ANTHONY 3,069,223
SIOW, CHAI SIONG 3,069,728
SISCO, SCOTT W. 3,069,147
SISCO, SCOTT W. 3,069,166
SISTARE, REBECCA ELIZABETH 3,068,977
SITA INFORMATION NETWORKING COMPUTING UK LIMITED 3,069,784
SKAMAGKI, MARIA 3,069,865
SKINNER, ALBERT ANTHONY 3,069,691
SKINNER, ANDRIA 3,069,455
SKOBLE, JUSTIN 3,069,523
SKOCZYLAS, FREDERIC 3,070,028
SLACK, OLGA 3,070,042
SLUGGETT, ANDREW 3,069,471
SMART MEDICAL DEVICES, INC. 3,069,657
SMID, JOHN 3,069,835
SMITH & NEPHEW PLC 3,069,284
SMITH, BYRON F. 3,068,972
SMITH, SHAUN 3,069,153
SMITHS MEDICAL ASD, INC. 3,069,538

SMOLLINGER, GLENN 3,069,087
SMOOT, CARISSA 3,069,312
SNYDER, LAWRENCE 3,069,544
SOBRAL, LUIS 3,069,869
SOBRAL, LUIS 3,070,043
SOCIEDAD ESPANOLA DE ELECTROMEDICINA Y CALIDAD, SA 3,070,185
SOCIETE DES PRODUITS NESTLE S.A. 3,069,351
SOCIETE DES PRODUITS NESTLE S.A. 3,069,622
SOCIETE DES PRODUITS NESTLE S.A. 3,069,824
SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE 3,069,269
SOCOLOVSKY, RUBEN 3,069,913
SOFTWARE MOTOR COMPANY 3,069,326
SOKOLOV, YURIY BORISOVICH 3,069,276
SOKOLOVSKII, VALERY 3,069,521
SOL-GEL TECHNOLOGIES LTD. 3,069,287
SOL-GEL TECHNOLOGIES LTD. 3,069,359
SOLANO BERMEJO, CHRISTIAN 3,069,300
SOMMER, RASMUS 3,069,876
SONE, CHIHIRO 3,069,620
SONY CORPORATION 3,069,106
SORBONNE UNIVERSITE 3,070,178
SOTEMANN, JORG 3,070,181
SOUFIANI, HOSSEIN AZARI 3,069,987
SOUTHWEST PETROLEUM UNIVERSITY 3,070,032
SOUVERNEVA, OLGA ANDREEVNA 3,065,029
SP NUTRACEUTICALS INC. 3,069,827
SPAGNUOLO, PAUL 3,069,827
SPARK THERAPEUTICS, INC. 3,068,622
SPARK THERAPEUTICS, INC. 3,069,880
SPARKS, RODNEY D. 3,069,980
SPATARO, JOSEPH 3,070,065
SPECHTMEYER, TORBEN 3,069,192
SPEER, RICHARD 3,070,084
SPEICHER, JENS D. 3,069,822
SPELDRICH, SEBASTIAN 3,069,785
SPENGLER, CHARLES 3,069,539
SPERLING, JOHN W. 3,069,536
SPETH, CHRISTIAN HENRIK 3,069,493
SPOGEN BIOTECH INC. 3,069,733
SPOMER, ALYSSA 3,069,666
SPOTTI, DAVIDE 3,069,663
SPRYNSKI, NICOLAS 3,070,036
SPYCKERELLE, SANDRINE 3,069,269
SRIDHARAN, VIJAY 3,070,009
SRIVASTAVA, AARUSHI 3,069,965
SRIVASTAVA, VISHAL 3,069,987
SRNALYTICS, INC. 3,069,738
ST-JACQUES, ALAIN 3,069,577
STAMICARBON B.V. 3,069,894
STANGO, TIMOTHY R. 3,069,752
STANISTREET, TIMOTHY F. 3,070,014
STARK, PETER A. 3,069,430
STARKER, FELIX 3,069,420
START, VALERIE DENISE 3,069,339
STATENS SERUM INSTITUT 3,068,974
STAUTZENBERGER, ARTHUR TERRY 3,069,713
STAVENHAGEN, JEFFREY B. 3,069,391
STEELE, JENNIFER L. 3,069,843
STEFFES, PETER 3,069,351
STEINBACH, NIKLAS 3,069,061
STEINHARDT, ALLAN 3,069,130
STEINHOFF, GUSTAV 3,069,874
STEMCIS 3,069,600
STEPANOV, ARTUR 3,069,961
STEPHENSON, DAVID 3,069,284
STEPHENSON, MATTHEW S. 3,069,385
STERANKA, MICHAEL 3,069,626
STERNLIGHT, DAVID BRET 3,069,313
STERNLIGHT, DAVID BRET 3,069,566
STEVENS, JONO 3,069,510
STEVENS, PHILIP 3,069,349
STEVENS, RANDALL 3,069,540
STEWARD, FRED 3,070,001
STEWART, MATTHEW 3,069,121
STEWART, MATTHEW 3,069,132
STEWART, MATTHEW 3,069,166
STEWART, RICHARD ALISTAIR BALFOUR 3,070,055
STOCKTON, JOHN 3,069,130
STODDARD, CHARLES 3,069,450
STOKES, ALAN 3,070,042
STOKES, ROBERT WILLIAM 3,070,049
STOKES, STEVEN 3,069,136
STOKES, WILLIAM ROBERT 3,070,046
STORA ENSO OYJ 3,069,521
STORENGY 3,070,028
STOTT, MARK GERALD 3,069,801
STOTT, MARK GERALD 3,069,825
STOTT, MARK GERALD 3,069,845
STOTT, MARK GERALD 3,069,872
STOTT, MARK GERALD 3,069,889
STOTT, MARK GERALD 3,069,906
STOTT, MARK GERALD 3,069,919
STOTT, MARK GERALD 3,069,927
STOWELL, JEFFREY 3,069,231
STRAFIEL, CHRISTIAN 3,069,797
STRAFIEL, CHRISTIAN 3,069,877
STRANGE, POUL 3,069,533
STRATO, INC. 3,069,080
STRIDES PHARMA SCIENCE LIMITED 3,069,791
STRYKER CORPORATION 3,068,464
STUMMANN, TINA 3,069,391
SU, FRANK 3,070,014
SUBRAMANIAN, SUNDAR 3,069,937
SUDA, WATARU 3,069,567
SUEN, YAT FAN 3,069,620
SUEZ, GAL 3,069,619
SUGA, KENTO 3,069,626
SUGIHARA, KENYA 3,069,645
SUGITA, NAOKI 3,069,454
SUGIURA, HIDEYUKI 3,069,343
SUH, JANICE J. 3,069,893
SUIJKER, MICHAEL JACOBUS 3,069,492
SULLIVAN, GREG 3,069,699
SULLIVAN, ROBERT BRYAN 3,069,541
SUMITOMO CHEMICAL COMPANY, LIMITED 3,069,795
SUMMER, ELIZABETH J. 3,069,690
SUN, JUN 3,069,594
SUN, ROGER 3,069,612
SUNDARAM, KANDASAMY MEENAKSHI 3,069,332
SUNDE, JONATHAN 3,069,080
SUNDELL, GUSTAV 3,069,509
SUON, NAROUN 3,069,748
SUPERBOLT, INC. 3,068,872
SUPPO, JEAN-SIMON 3,068,980
SUR, RAJESH 3,070,045
SUREFLY, INC. 3,068,990
SURESH, ASHWIN 3,069,441
SURESTOP LTD. 3,069,496
SURRACO, FERNANDO 3,069,301
SUSTAINED NANO SYSTEMS LLC 3,069,155
SUSTAINED NANO SYSTEMS LLC 3,069,159
SUSTAYTA, JOSEPH 3,069,100
SUTTON, MICHAEL R. 3,069,718
SUZUKI, AKIRA 3,069,563
SUZUKI, YASUHIKO 3,069,400
SUZUKI, YASUHIRO 3,069,108
SUZUKI, YASUHIRO 3,069,112
SUZUKI, YASUHIRO 3,069,114
SUZUKI, YASUHIRO 3,069,117
SUZUKI, YASUHIRO 3,069,417
SWAIN, FREDERICK D. 3,068,628
SWANHART, MACKENZIE LEE 3,069,959
SWARTZ, DENNIS 3,069,781
SWARUP, SHANTI 3,069,147
SWARUP, SHANTI 3,069,525
SWISS FIRE PROTECTION RESEARCH & DEVELOPMENT AG 3,069,103
SWISS KRONO TEC AG 3,070,019
SYLVESTER, MARK 3,059,773
SYNEURX INTERNATIONAL (TAIWAN) CORP. 3,069,669
SYNGENTA PARTICIPATIONS AG 3,069,542
SYNGENTA PARTICIPATIONS AG 3,069,543
SYNTHORX, INC. 3,069,321
SYROS PHARMACEUTICALS, INC. 3,069,683
SYSNAV 3,069,366
SYSTIMMUNE, INC. 3,069,238
TAESCHLER, CHRISTOPH 3,070,021
TAGHIPOUR, FARIBORZ 3,069,755
TAKAHASHI, YOSHIKI 3,069,794
TAKANO, KAZUYOSHI 3,069,706
TAKAOKA, YUKIHISA 3,069,572
TAKEDA PHARMACEUTICAL COMPANY LIMITED 3,069,563
TAKEDA, KAZUAKI 3,069,613
TAKEDA, KAZUKI 3,069,613
TAKENAKA, JUNJI 3,069,389

TAKEUCHI, YOSHITAKA 3,069,620
TALAVERA, GARAZI 3,069,059
TALLA, RAJASEKHAR 3,070,003
TALREJA, MANISH 3,069,289
TALREJA, MANISH 3,069,291
TAN, EUGENE 3,069,668
TAN, PHIL 3,069,238
TAN, XIN 3,068,879
TANAKA, DAISUKE 3,069,108
TANAKA, DAISUKE 3,069,112
TANAKA, DAISUKE 3,069,114
TANAKA, DAISUKE 3,069,117
TANAKA, DAISUKE 3,069,417
TANAKA, ISAO 3,068,707
TANG, MING 3,069,176
TANGE, SATOSHI 3,068,684
TANGIRALA, RAGHURAM 3,069,311
TANNOUS, MARIA 3,069,628
TAO, CHRISTINE MISUYE 3,069,893
TAO, HONG 3,069,776
TAO, WEIKANG 3,070,004
TAO, ZUOYO 3,070,006
TAO, ZUOYU 3,070,009
TAPPER, JAY 3,069,422
TARBY, CHRISTINE M. 3,069,524
TARNAVA, ALEXANDER 3,069,555
TARPIT, PATEL 3,069,752
TATENO, YUSUKE 3,069,799
TAVARES-GRECO, PAULA, A. 3,069,138
TAVERNIER, JAN 3,069,930
TBM CO., LTD. 3,069,885
TECHNISCHE UNIVERSITAT WIEN 3,070,020
TEETER, MONTY J. 3,068,984
TELEFIELD MEDICAL IMAGING LIMITED 3,069,578
TELEFIELD MEDICAL IMAGING LIMITED 3,069,585
TELEFIELD MEDICAL IMAGING LIMITED 3,069,589
TELEFIELD MEDICAL IMAGING LIMITED 3,069,590
TELEFIELD MEDICAL IMAGING LIMITED 3,069,598
TELO BAPTISTA LIMA DA SILVA, MARIA CATARINA 3,069,181
TEMPLE, KENNETH DARRELL JR. 3,068,977
TEN-ACE GMBH 3,070,017
TENG, PENG 3,069,736
TER BRAKE, OLIVIER 3,069,369
TEREFENKO, EUGENE 3,069,380
TESSLER, SHOSHI 3,069,558
TEXAS TECH UNIVERSITY SYSTEM 3,069,445
THAI, CHON 3,069,440
THANOS, CHRISTOPHER D. 3,069,523
THATIPELLI, ABHIRAM 3,069,690
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,069,411
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,069,527
THE GENERAL HOSPITAL CORPORATION, D/B/A MASSACHUSETTS GENERAL HOSPITAL 3,069,181
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 3,069,779
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 3,069,870
THE HOSPITAL FOR SICK CHILDREN 3,069,338
THE LUBRIZOL CORPORATION 3,069,718
THE LUBRIZOL CORPORATION 3,069,970
THE PROCTER & GAMBLE COMPANY 3,069,176
THE PROCTER & GAMBLE COMPANY 3,069,249
THE PROCTER & GAMBLE COMPANY 3,069,250
THE PROCTER & GAMBLE COMPANY 3,069,933
THE PROCTER & GAMBLE COMPANY 3,069,999
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,068,969
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,068,981
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,069,251
THE REGENTS OF THE UNIVERSITY OF COLORADO 3,069,701
THE SCRIPPS RESEARCH INSTITUTE 3,069,321
THE SECANT GROUP, LLC 3,069,312
THE UAB RESEARCH FOUNDATION 3,069,868
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMT OF HEALTH AND HUMAN SERVICES 3,068,980
THE UNIVERSITY OF BRITISH COLUMIBA 3,069,755
THEESFELD, JEFFERY 3,069,153
THERAVANCE BIOPHARMA R&D IP, LLC 3,069,989
THERMACO, INC. 3,069,401
THERMOCHEM RECOVERY INTERNATIONAL, INC. 3,069,675
THIERGART, OLIVER 3,069,772
THIJSSEN, STEPHAN 3,069,520
THILLE, CHRISTOPHE 3,069,268
THIYAGARAJAN, KAMALRAJ 3,069,311
THOMAS HELLEDAYS STIFTELSE FOR MEDICINSK FORSKNING 3,069,065
THOMAS JEFFERSON UNIVERSITY 3,069,434
THOMAS, ANDREW MICHAEL 3,069,623
THOME, GENINHO 3,070,026
THOMPSON, BRIAN 3,069,733
THOMPSON, DANIEL 3,069,243
THOMSON, STEPHEN ANDREW 3,069,720
THORLABS,INC. 3,069,723
THORNE, STEPHEN HOWARD 3,070,146
THORNTON, PAUL 3,069,533
THORPE, STUART DAVID 3,069,789
THYSSENKRUPP AG 3,069,383
THYSSENKRUPP AG 3,069,592
THYSSENKRUPP INDUSTRIAL SOLUTIONS AG 3,069,383
THYSSENKRUPP INDUSTRIAL SOLUTIONS AG 3,069,592
TIAN, KELLY FANGMEI 3,069,739
TIAN, YUN 3,069,584
TIGGES, MARC 3,069,383
TIGHE, ROBERT V., III 3,069,438
TIKOCHINSKY, YOAV 3,069,278
TIKOO, SURESH 3,069,762
TILLMAN, SARA 3,069,949
TIMONEY, JOSEPH 3,069,758
TITAN TRAILERS INC. 3,069,573
TODT, GREGORY L. 3,070,062
TOKAMAK ENERGY LTD 3,069,060
TOKUYAMA CORPORATION 3,069,389
TOLEDANO, OFER 3,069,287
TOLEDANO, OFER 3,069,359
TOMA, TADAMASA 3,069,579
TOMASICCHIO, MICHELE 3,069,897
TOMLINSON, IAN A. 3,069,690
TOMMASI, RUBEN 3,059,773
TONIX PHARMACEUTICALS HOLDING CORP. 3,069,699
TONONI, PAOLA 3,070,025
TOOLGEN INCORPORATED 3,069,296
TOPOROV, DOBRIN 3,069,029
TOPPING, ALICE 3,069,520
TORA, GEORGE O. 3,069,311
TORAY INDUSTRIES, INC. 3,069,402
TORNIER, INC. 3,069,517
TORQUE THERAPEUTICS, INC. 3,069,105
TORRE, CYRIL 3,069,764
TORRES, GABRIEL 3,069,972
TORRES, GABRIEL 3,069,973
TORRES, GABRIEL 3,069,975
TORSSELL, STAFFAN 3,069,521
TOTAL RESEARCH & TECHNOLOGY FELUY 3,069,266
TOTAL RESEARCH & TECHNOLOGY FELUY 3,069,268
TOTAL RESEARCH & TECHNOLOGY FELUY 3,069,270
TOTH, BRANDON 3,069,949
TOUMA, GERARD 3,069,411
TOURRASSE, OLIVIER 3,069,548

TOWNER, FREDRICK 3,069,723
TOYOFUKU, HIDEKAZU 3,069,406
TOZZI, PIERGIORGIO 3,070,111
TRAASERUD, ASBJORN 3,068,703
TRABER, PETER G. 3,069,745
TRABJERG, ESBEN 3,069,391
TRAIT BIOSCIENCES, INC. 3,069,178
TRANNINGER, MICHAEL 3,069,272
TRANSHIELD, INC. 3,070,062
TREACHLER, DANIEL CARL 3,069,541
TREJO, AMY VIOLET 3,069,933
TREPP, GIAN BATISTA 3,069,887
TREVINO, MATTHEW 3,069,435
TRICARICO, GIOVANNI ALESSANDRO 3,069,038
TRINUTRA LTD. 3,069,902
TROTTA, FRANCESCO 3,069,628
TRUCODE GENE REPAIR, INC. 3,070,058
TSAI, GUOCHUAN EMIL 3,069,669
TSAI, LI-HUEI 3,069,179
TSANG, MAN HON 3,069,623
TSIARKEZOS, STEPHEN HORACE 3,069,320
TSUKAGOSHI, IKUO 3,069,106
TSUNODA, DAISUKE 3,069,290
TSURUGAYA, KOHEI 3,069,290
TU, XIAOMIN HELEN 3,068,664
TUELLER, TODD GARRETT 3,069,801
TUELLER, TODD GARRETT 3,069,825
TUELLER, TODD GARRETT 3,069,872
TUELLER, TODD GARRETT 3,069,906
TUELLER, TODD GARRETT 3,069,919
TUNRA LTD. 3,069,340
TURBO DRILL INDUSTRIES, INC. 3,069,746
TURIAN, JULIUS V. 3,069,861
TURICU, DAN-CRISTIAN 3,069,053
TURK, GREGORY J. 3,069,314
TURLEY, KEVIN MICHAEL 3,070,148
TURNING POINT THERAPEUTICS, INC. 3,069,232
UBER TECHNOLOGIES, INC. 3,069,893
UCB BIOPHARMA SRL 3,069,172
UDALL, CHRISTOPHER 3,069,962
UENO, TAKASHI 3,069,651
UENO, YOSHIYUKI 3,069,402
UHRIG-SCHMIDT, SILKE 3,070,040
ULBRICH, ARNE 3,069,247
ULDBJERG, NIELS 3,068,974
ULMER, BRYAN 3,068,464
UMAMAGESWARAN, KOTHANDA 3,068,875
UMAMAGESWARAN, KOTHANDA 3,070,006
UMAMAGESWARAN, KOTHANDA 3,070,009
UMKEHRER, ALFRED 3,069,848
UNG, JANE 3,069,232
UNGER, MICHAEL 3,069,547
UNILEVER BCS LIMITED 3,069,618
UNILEVER PLC 3,069,345
UNILEVER PLC 3,069,412
UNILEVER PLC 3,069,484
UNILEVER PLC 3,069,492
UNION DESIGN DEVELOPMENT LLC 3,069,153
UNIQURE IP B.V. 3,069,194
UNIQURE IP B.V. 3,069,369
UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS FAIRS 3,069,420
UNIVERSAL CITY STUDIOS LLC 3,069,513
UNIVERSAL STABILIZATION TECHNOLOGIES, INC. 3,069,444
UNIVERSITAT AUTONOMA DE BARCELONA (UAB) 3,069,775
UNIVERSITAT DE BARCELONA 3,069,012
UNIVERSITAT ROSTOCK ZENTRALE UNIVERSITATSVERWALTUNG REFERAT 1.1 RECHT 3,069,874
UNIVERSITAT ROVIRA I VIRGILI 3,068,980
UNIVERSITATSKLINIKUM HAMBURG-EPPENDORF 3,069,379
UNIVERSITE D'EVRY-VAL-D'ESSONNE 3,069,045
UNIVERSITE DE MONTPELLIER 3,069,617
UNIVERSITE DE MONTPELLIER 3,069,758
UNIVERSITE DE PARIS 3,070,178
UNIVERSITE PARIS-SUD 3,070,182
UNIVERSITEIT GENT 3,069,758
UNIVERSITY HEALTH NETWORK 3,069,754
UNIVERSITY OF BATH 3,069,809
UNIVERSITY OF DELAWARE 3,068,980
UNIVERSITY OF LEEDS 3,068,980
UNIVERSITY OF MASSACHUSETTS 3,069,809
UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATN 3,070,146
UNIVERSITY OF SASKATCHEWAN 3,069,762
UNIVERSITY OF SOUTH FLORIDA 3,069,736
UNIVERSITY OF UTAH RESEARCH FOUNDATION 3,069,149
UNVERDORBEN, FELIX 3,069,610
UNVERDORBEN, FELIX 3,069,842
UNZUETA ELORZA, UGUTZ 3,069,775
URBANIAK, MICHAEL J. 3,069,531
URRUTIA, JOSE 3,069,174
USHIJIMA, MITSUYASU 3,069,811
USHRY, JAMES 3,070,001
USMAN, IRFAN 3,069,926
USTIMENKO, SEMEN 3,070,009
USUI, TOSHIMITSU 3,069,396
VAHASALO, LARI 3,068,542
VAIDYA, ANURADHA 3,069,423
VAIL SYSTEMS, INC. 3,069,731
VALERIE, NICHOLAS 3,069,065
VALTON, JULIEN 3,069,557
VAN DEN BRINK, EDWARD 3,069,391
VAN DER KRAAN, GEERT 3,069,286
VAN DER LAAN, SIEM 3,069,617
VAN DER VLIET, MARISKA SABINE 3,069,298
VAN DERZEE, NICHOLAS 3,069,900
VAN DYCK, EDITH 3,069,758
VAN GAASBEEK, ERIK PIETER 3,069,633
VAN HAUTE, EDDIE 3,070,137
VAN LIEROP, MICHAEL MARIA JOHANNES 3,070,023
VAN LOOCK, JAN 3,069,182
VAN WEEREN, DENNIS 3,069,640
VAN WEEREN, DENNIS 3,069,644
VAN WEEREN, DENNIS 3,069,646
VAN WIETMARSCHEN, TOM NICOLAAS 3,069,264
VANDAL, ROBERT A. 3,069,156
VANDERWOUDE, BRIAN 3,068,464
VANDEWEGHE, ANDREW 3,069,949
VANTOMME, AURELIEN 3,069,266
VANTOMME, AURELIEN 3,069,270
VANTRIX CORPORATION 3,069,596
VANTTINEN, JUHANI 3,068,541
VAROQUI, DEBORAH 3,069,758
VASCULAR DEVICES PTY LTD 3,070,081
VASILENKO, IRINA 3,070,031
VASQUES, RICARDO REVES 3,069,881
VAZQUEZ CARRERA, MANUEL 3,069,012
VAZQUEZ CRUZ, SANTIAGO 3,069,012
VAZQUEZ GOMEZ, ESTHER 3,069,775
VEERASAMY, VIJAYEN S. 3,069,146
VEERASAMY, VIJAYEN S. 3,069,156
VEERMAN, WILHELMUS CLEMENS JO 3,069,260
VEERMAN, WILHELMUS CLEMENS JO 3,069,261
VEIZI, ELIAS 3,069,424
VELASQUEZ, JUAN ESTEBAN 3,069,933
VELEZ-VEGA, CAMILO 3,059,773
VELIKOV, KRASSIMIR PETKOV 3,069,492
VENDITTI, RICHARD 3,069,535
VENDLINSKI, JAMES LEWIS 3,069,900
VENKATASUBRAMANIAM, ARUNDHATHI 3,069,747
VERA SALUS RICERCA S.R.L. 3,069,104
VERB SURGICAL INC. 3,070,029
VERCAMMEN, GUY 3,069,182
VERMA, RRAVINDAR 3,069,418
VERSTREKEN, PATRIK 3,069,998
VERTEX PHARMACEUTICALS INCORPORATED 3,068,609
VERTEX PHARMACEUTICALS INCORPORATED 3,069,225

VERTEX PHARMACEUTICALS INCORPORATED 3,069,226
VERTEX PHARMACEUTICALS INCORPORATED 3,069,720
VESUVIUS USA CORPORATION 3,069,751
VIACYTE, INC. 3,069,519
VIANEY, FRANCOIS 3,069,242
VIB VZW 3,069,998
VICK, JAMES DAN, JR. 3,069,293
VICTAULIC COMPANY 3,069,341
VIEW POINT 3,069,879
VILAHUR GARCIA, GEMMA 3,058,250
VILLAVERDE CORRALES, ANTONIO PEDRO 3,069,775
VILLING, RUDI 3,069,758
VILONE, MARIO 3,069,277
VINARD, THOMAS 3,069,841
VISCOMI, GIUSEPPE CLAUDIO 3,069,989
VISMUNDA S.R.L. 3,069,663
VISSER, ANTON C. 3,069,460
VISSER, CORNELIS GERARDUS 3,070,023
VISSIERE, DAVID 3,069,366
VOLKSWAGEN AKTIENGESELLSCHAFT 3,069,357
VON SCHUCKMANN, ALFRED 3,069,792
VOSSLOH COGIFER 3,069,770
VROMAN, HILDA B. 3,069,380
VRTARIC, KEVIN 3,069,126
VUJASINOVIC, INES 3,069,358
W. L. GORE & ASSOCIATES, INC. 3,068,965
W. L. GORE & ASSOCIATI, S.R.L. 3,069,808
W.L. GORE & ASSOCIATES GMBH 3,069,808
WABNIG, ERWIN 3,068,538
WABNITZ, THOMAS 3,070,097
WADE ANTENNA INC. 3,068,876
WADE, LUCAS 3,068,464
WAGNER, PAUL 3,069,371
WAGNER, PAUL 3,069,643
WAGSTAFF, SAMUEL ROBERT 3,070,003
WAJDA, CHESTER 3,069,131
WAKEFIELD, JOHN K. 3,069,867
WAKUNAGA PHARMACEUTICAL CO., LTD. 3,069,811
WALBRIDGE, MICHAEL 3,069,708
WALKER, BROCK M. 3,069,464
WALLNER, OLOV 3,069,065
WALTZ, DAVID 3,068,609
WALTZ, DAVID 3,069,225
WALTZ, DAVID 3,069,226
WALUKAS, JOEL JAMES 3,069,323
WANAT, EDWARD C. 3,069,503
WANG, AIJUN 3,069,348
WANG, BING 3,069,522
WANG, CHING-CHENG 3,069,669
WANG, CONGCONG 3,050,897
WANG, FANBIN 3,069,997
WANG, FEI 3,050,897
WANG, HAO 3,069,185
WANG, JIANBIN 3,069,522
WANG, JIANMIN 3,069,820
WANG, JIN 3,069,788
WANG, JING 3,069,544
WANG, JINGBO 3,070,053
WANG, JIWU 3,069,530
WANG, JUNYI 3,069,411
WANG, LIHUI 3,069,613
WANG, MINGREN 3,069,397
WANG, MINGREN 3,069,405
WANG, QIAOYI 3,069,160
WANG, RENQIU 3,070,000
WANG, SHUNZHI 3,069,909
WANG, YANFENG 3,069,594
WANG, YU-WEI 3,069,236
WANG, YUNGUI 3,069,778
WANG, ZHIMING 3,069,161
WARD, JACOB DANIEL 3,068,660
WARD, JACOB DANIEL 3,068,664
WARD, JACOB DANIEL 3,068,707
WARD, TOMAS 3,069,758
WARRANTEE INC. 3,069,565
WASHBOURNE, JOHN KENNETH 3,068,710
WATANABE, SHINYA 3,069,803
WATERSHED GEOSYNTHETICS LLC 3,069,174
WATSON, SHAWN NATHAN 3,069,556
WATTERSON, SCOTT HUNTER 3,069,524
WAYMO LLC 3,069,730
WAZIRI, ALLEN 3,069,457
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 3,070,076
WEBB, WILLIAM 3,070,077
WEBER, PATRICK 3,069,546
WEGDAM, MAARTEN 3,069,264
WEI, LING FENG 3,069,936
WEI, WEI 3,068,990
WEI, YONGGANG 3,069,820
WEIHE, OLIVIA M. 3,069,967
WELCH, MARK 3,069,197
WELL-SENSE TECHNOLOGY LIMITED 3,069,275
WELLE, ALEXANDRE 3,069,266
WELLE, ALEXANDRE 3,069,270
WELLING, NIELS PAUL EMERENTIANA 3,069,298
WELLS ENTERPRISES, INC. 3,069,740
WELLTEC A/S 3,069,876
WELLTEC OILFIELD SOLUTIONS AG 3,069,881
WEN, WEI 3,069,499
WENDT, MAX 3,069,478
WENG, ALEXANDER 3,069,604
WENGER, HERMANN 3,069,490
WENGER, HERMANN 3,069,491
WENGER, PROJEKTE UND COACHING 3,069,490
WENGER, PROJEKTE UND COACHING 3,069,491
WENIGER, FLORIAN 3,070,021
WERNER, THOMAS ANDREW 3,069,460
WERNLI, JORGE 3,069,887
WEST, TRET 3,069,129
WESTBROOK, KURT 3,069,237
WETTLING, THOMAS 3,070,031
WETZEL, STAFAN 3,069,656
WEYRAUCH, DETLEV 3,069,605
WHEELOCK, BRENT 3,069,322
WHELAN, GEOFFREY PAUL 3,070,081
WHIPPANY ACTUATION SYSTEMS LLC 3,070,068
WHITE, MALCOLM 3,070,035
WHITEFIELD, BRANDON, W. 3,069,138
WHITELEY, TODD 3,069,731
WHITEMAN, DAVID 3,070,168
WHITFIELD, GARRETT 3,069,135
WHITING, JOHN S. 3,068,986
WHITNEY, HAMILTON SEAN MICHAEL 3,069,675
WHITTEN, JEFFREY 3,069,232
WICKSTROM, DANIEL 3,069,323
WIDBOOM, PAUL 3,069,438
WIDERA, IMKE 3,069,286
WIESER, GERHARD 3,068,538
WIESNER, SCOTT 3,069,534
WIESNER, UDO 3,069,371
WIESNER, UDO 3,069,638
WILEY, WILLIAM F. 3,069,248
WILKENING, JOHN 3,069,313
WILKENING, JOHN EDWARD 3,069,566
WILKOWSKE, ERIC J. 3,069,538
WILLEY, ANDREA 3,070,107
WILLIAMS, BRADLEY 3,069,949
WILLIAMS, DAVID K. 3,069,524
WILLIAMS, DEAN PATRICK 3,069,302
WILLIAMS, DEAN PATRICK 3,069,857
WILLIAMS, MASON 3,069,666
WILLIAMSON, BRANDON ROBERT 3,068,977
WILLISTON, NILS 3,069,747
WILSCHKE, THOMAS 3,069,949
WINKELMANN, ERIK 3,069,188
WINTER, CHRISTIAN 3,070,177
WINTER, CHRISTIAN 3,070,179
WINTERSGILL, STEPHEN 3,069,606
WIRTZ, ALEXANDER 3,069,357
WISE, PAUL 3,069,098
WITTE, DAVID D. 3,069,945
WITTY, DAVID 3,069,358
WOBBEN PROPERTIES GMBH 3,068,539
WOBBEN PROPERTIES GMBH 3,069,797
WOBBEN PROPERTIES GMBH 3,069,877
WOBBEN PROPERTIES GMBH 3,069,882
WOELFEL, KEITH 3,069,694
WOHLHAUPTER GMBH 3,069,782
WOLFIEN, MARKUS 3,069,874
WONG, CHRISTOPHER 3,070,077
WONG, LILLY, L. 3,069,138
WOO, SEO HYUNG 3,069,404
WOOD, KYLE DAVID 3,069,868
WOODBURY, TAYLOR JOHN 3,069,825
WOODBURY, TAYLOR JOHN 3,069,845
WOODBURY, TAYLOR JOHN 3,069,872

WOODBURY, TAYLOR JOHN 3,069,906
WOVEN METAL PRODUCTS, INC. 3,069,456
WRAY, MATTHEW 3,069,284
WRENN, STEVEN 3,069,125
WRIGHT, DAVID SKINGLEY 3,070,014
WRIGHT, JOHN FRASER 3,069,880
WRIGHT, VICTORIA J. 3,069,481
WU, CHANG 3,069,778
WU, EDWARD 3,069,626
WU, LINGYUN 3,069,829
WU, TINGTING 3,070,016
WU, XIAOYUN 3,059,773
WU, YUE 3,069,972
WU, YUE 3,069,973
WU, YUE 3,069,975
WU, ZHENHUA 3,068,980
WUJCIK, STEVEN 3,069,802
WUTTKE, GILBERT 3,069,560
WUTTKE, GILBERT 3,070,097
WYATT, DANIEL C. 3,069,310
WYATT, DAVID 3,069,637
XAVIER, RENATO RUFINO 3,070,014
XERIS PHARMACEUTICALS, INC. 3,069,533
XIA, DONG 3,069,238
XIE, DOU 3,070,032
XING, DONG 3,069,348
XING, DONG 3,069,997
XIONG, MEIBING 3,069,355
XU, HANQING 3,070,002
XU, JIANMING 3,069,164
XU, JIANMING 3,069,170
XU, RUIJIAO 3,069,450
XU, YAOCHANG 3,069,602
XU, YILING 3,069,594
XU, YONGFENG 3,069,355
XU, ZILONG 3,069,999
XUE, DING 3,069,701
XYLO TECHNOLOGIES AG 3,069,478
YACYSHYN, VINCENT 3,069,352
YAHATA, KENZO 3,069,160
YALE UNIVERSITY 3,069,143
YAMADA, TETSUTARO 3,069,794
YAMAKAWA, HIDEKUNI 3,069,179
YAMAMOTO, YOSHIHIDE 3,069,651
YAMAMURA, RYUU 3,069,446
YAMANAKA RYOTA 3,069,417
YAMANAKA, HIROFUMI 3,069,402
YAMANAKA, RYOTA 3,069,108
YAMANAKA, RYOTA 3,069,112
YAMANAKA, RYOTA 3,069,114
YAMANAKA, RYOTA 3,069,117
YAMASHITA, SHUJI 3,069,160
YAN, HAO 3,054,041
YAN, PANGKE 3,069,820
YAN, ZHEN 3,069,392
YANG, CHONGLING 3,069,587
YANG, CONGAN 3,063,203
YANG, FEI 3,069,602
YANG, GUANGBIN 3,069,140
YANG, KUN 3,069,397
YANG, KUN 3,069,405
YANG, LING 3,070,002
YANG, LIU 3,069,164
YANG, WEIWEI 3,069,783
YANG, XIAOLIN 3,069,176
YE, FEI 3,069,820
YE, NING 3,069,160
YE, SIYU 3,069,324
YE, YUBIN 3,069,824
YEOMANS, BENJAMIN ROBERTSON 3,069,511
YI, JIAN 3,069,708
YILIANG, JIN 3,070,009
YIN, SHIPING 3,050,897
YOLTON, CHARLES F. 3,069,771
YOO, JAE WON 3,069,757
YOON, BYOUNG HOON 3,051,217
YOSHIDA, MASAKUNI 3,069,294
YSI, INC. 3,069,141
YU, DONG 3,070,042
YU, HAIHUA 3,069,554
YU, HONGPING 3,069,602
YU, JAU-SONG 3,069,701
YU, MI RA 3,069,118
YU, YU-TING 3,069,186
YU, YU-TING 3,069,187
YU, ZHAOHUI 3,068,879
YUAN, DAJUN 3,065,027
YUDS, DAVID 3,069,229
YUHAN CORPORATION 3,069,408
ZABEAU, LENNART 3,069,930
ZAFIROGLU, DIMITRI 3,069,320
ZAGGL, ALEXANDER 3,069,808
ZAHAVY, ERAN 3,069,281
ZALACAIN, MAGDALENA 3,070,036
ZALLUHOGLU, UMUT 3,069,727
ZANATTA, CINTHIA 3,069,184
ZANOTTI, DANIELE 3,070,111
ZARAGOZA DOERWALD, FLORENCIO 3,070,021
ZAREI, MOHAMMAD 3,069,012
ZASLOW, BENJAMIN 3,069,539
ZAVOLUK, WILLIAM 3,069,484
ZBRANEK, ZACHARY L. 3,069,710
ZEICHNER, ACHIM 3,070,116
ZEILKHA, MOR 3,069,902
ZHAI, DAYONG 3,069,232
ZHAN, YANG 3,069,554
ZHANG, CHEN 3,069,820
ZHANG, CHENGCHEN 3,069,632
ZHANG, DONGHUI 3,069,127
ZHANG, HAN 3,069,232
ZHANG, HUA 3,069,365
ZHANG, JI 3,068,965
ZHANG, JING 3,059,773
ZHANG, JIXIONG 3,054,041
ZHANG, JIYONG 3,069,348
ZHANG, JIYONG 3,069,997
ZHANG, KAI 3,070,009
ZHANG, KE 3,068,879
ZHANG, MAN 3,069,701
ZHANG, QINGWEI 3,069,164
ZHANG, RUI 3,069,778
ZHANG, TINGHU 3,069,181
ZHANG, TONY YANTAO 3,069,948
ZHANG, WENJUN 3,069,594
ZHANG, WENLIN 3,070,032
ZHANG, WENZHONG 3,069,144
ZHANG, WENZHONG 3,069,255
ZHANG, XIANFENG 3,069,778
ZHANG, XIN 3,069,232
ZHANG, YANSHI 3,069,970
ZHANG, YI 3,069,683
ZHANG, YICHI 3,069,289
ZHANG, YINGJUN 3,069,773
ZHANG, YONGWEI 3,063,203
ZHANG, YORKE 3,069,321
ZHANG, YUN 3,069,749
ZHANG, YUPING 3,063,203
ZHANG, ZHEREN R. 3,070,009
ZHAO, DE 3,068,878
ZHAO, LELE 3,069,829
ZHAO, NING 3,069,829
ZHAO, WEI 3,069,632
ZHAO, YAJUN 3,070,002
ZHAO, YIMING 3,069,727
ZHAO, YUANYUAN 3,069,530
ZHENG, LINGJUN 3,069,701
ZHENG, RUIMING 3,069,186
ZHENG, RUIMING 3,069,187
ZHENG, WEI 3,069,820
ZHENG, YONGPING 3,069,578
ZHENG, YONGPING 3,069,585
ZHENG, YONGPING 3,069,589
ZHENG, YONGPING 3,069,590
ZHENG, YONGPING 3,069,598
ZHONG, HENG 3,069,542
ZHONG, HENG 3,069,543
ZHONG, SHAN 3,069,469
ZHONG, SHIDA 3,069,482
ZHONG, XIAOGUANG ALLAN 3,069,293
ZHOU, HONGYING 3,069,525
ZHOU, HUA 3,069,759
ZHOU, LUJIA 3,069,998
ZHOU, NAN 3,054,041
ZHOU, XIN 3,069,997
ZHU, BAOLONG 3,069,253
ZHU, FANSAN 3,069,303
ZHU, FENG 3,069,236
ZHU, GUANG 3,069,521
ZHU, JI 3,069,778
ZHU, YI 3,069,238
ZICARI, STEVE 3,069,807
ZIDENGA, TAWANDA 3,069,178
ZIEGLER, FABIAN 3,069,549
ZIELINSKI, TODD 3,069,087
ZIGA JR., LUIS ANGEL 3,069,100
ZIHER, DINKO 3,069,358
ZILBERMAN, JOSEPH 3,069,231
ZILLOW GROUP, INC. 3,069,813
ZIMITECH, INC. 3,068,461
ZIMMERMAN, DAVID M. 3,070,063
ZIMMERMANN, KURT 3,069,544
ZINNIATEK LIMITED 3,069,283
ZINPRO CORPORATION 3,069,430
ZOETIS SERVICES LLC 3,069,323
ZOMER, ELIEZER 3,069,745
ZORNIG, INKA 3,070,040
ZOU, JIAN 3,069,164
ZOU, JIAN 3,069,170

Index of PCT Applications Entering the National Phase

ZOU, NANFEI	3,069,138
ZTE CORPORATION	3,069,783
ZTE CORPORATION	3,070,002
ZUGIC, BRANKO	3,069,866
ZUME, INC.	3,069,131
ZUMEX GROUP, S.A.	3,070,094
ZUO, SHIBIN	3,069,778
ZUR HAUSEN, HARALD	3,069,035
ZURCHER, FABIO R.	3,069,314
ZYMEWORKS, INC.	3,069,254

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. 3,061,224
ACTIVE IMPLANTS LLC 3,066,766
ADIBHATLA, SRIDHAR 3,065,735
AGENSYS, INC. 3,066,279
AKULA, ANISHA 3,066,436
ALBANELLO, LORENZO 3,065,980
ALTSHULER, EDWARD L. 3,065,977
ALVIRA, MAURICIO R. 3,066,428
AMARIN PHARMACEUTICALS IRELAND LIMITED 3,066,588
AMARIN PHARMACEUTICALS IRELAND LIMITED 3,067,008
AMARIN PHARMACEUTICALS IRELAND LIMITED 3,067,012
AMAZON TECHNOLOGIES, INC. 3,067,240
AMELING, JOHN 3,066,426
AMUNDSON, KARL RAYMOND 3,066,614
ANDERSON, ANNALIESA SYBIL 3,066,792
ANDERSON, FIONA ELIZABETH 3,065,994
ANVIL INTERNATIONAL, LLC 3,066,801
AORTIC INNOVATIONS LLC 3,066,306
APREA, MATTHEW J. 3,066,614
ARMSTRONG, JOSEPH R. 3,065,734
ATKINSON, MICHAEL RANDOLPH 3,067,107
AVIEL, YUVAL 3,067,160
AVIEL, YUVAL 3,067,177
AXIS LABS INC. 3,066,140
AYYAGARI, MADHU 3,066,966
BALFANZ, DIRK 3,066,837
BALKENHOL, REINHARD 3,066,367
BAUER HOCKEY LTD. 3,065,977
BAUSCH & LOMB INCORPORATED 3,066,966
BEAGEN, JOSEPH WILLIAM, JR. 3,066,801
BECKMAN, BRIAN C. 3,067,240
BECTON, DICKINSON AND COMPANY 3,066,834
BECTON, DICKINSON AND COMPANY 3,066,835
BELCHER, NATHAN 3,066,966
BELLAICHE, LEVI 3,067,160
BELLAICHE, LEVI 3,067,177
BENE, ERIC 3,066,834
BENE, ERIC 3,066,835
BERGE, GUNNAR 3,065,860
BINZER, LOTHAR DAN 3,066,425
BISHARA, MARC RASHAD 3,066,140
BLACKBERRY LIMITED 3,066,273
BLANCHARD, FREDERICK W. 3,065,720
BONTU, CHANDRA SEKHAR 3,066,273
BOOT, JOHANNES HENDRIKUS ANTONIUS 3,065,980
BOSSE, PAUL 3,066,426
BOYAN, BARBARA DALE 3,066,594
BRAUNSTEIN, DANIEL 3,067,160
BRAUNSTEIN, DANIEL 3,067,177
BRUMFIELD, HARRIS 3,067,153
BUBERMAN, ORI 3,067,160
BUBERMAN, ORI 3,067,177
BUCKLEY, EDWARD 3,066,397
BULT, JEFFREY RUSSELL 3,065,735
CAI, ZHIJUN 3,066,273
CAMBIER, JOHN 3,065,947
CANADIAN HEATING PRODUCTS INC. 3,066,425
CARTER, JEFFREY D. 3,066,785
CHALLITA-EID, PIA 3,066,279
CHARLESTON LABORATORIES, INC. 3,066,426
CHARVAT, GREGORY L. 3,066,755
CHEIKH, STEPHANE 3,067,170
CHEN, YVONNE 3,065,968
CHENG, ALAN WING HOR 3,066,140
CHUGAI SEIYAKU KABUSHIKI KAISHA 3,066,453
CHUGH, SUMANT 3,066,017
CIVELLI, JAY PIERRE 3,066,837
CLEMENTS, MEGAN ALEXANDER 3,065,980
CROUNSE, KENNETH R. 3,066,397
CROUNSE, KENNETH R. 3,066,614
CRUIKSHANK, DAVID W. 3,065,977
CZESKIS, ALEXEI 3,066,837
DENNIS, MARK 3,065,968
DEPUY SYNTHES PRODUCTS, INC. 3,066,814
DION, DOMINIQUE 3,065,959
DOLBY INTERNATIONAL AB 3,067,155
DORNAN, DAVID 3,065,968
DOUGLAS, LANCE 3,066,442
DUNCAN, DAVID R. 3,066,436
E INK CORPORATION 3,066,397
E INK CORPORATION 3,066,614
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 3,066,406
ELKINS, KRISTI 3,065,968
FARIS, MARY 3,066,279
FEDEX CORPORATE SERVICES, INC. 3,066,597
FELDING, JAKOB 3,066,572
FERENCZ, ANDRAS 3,067,160
FERENCZ, ANDRAS 3,067,177
FISHER & PAYKEL HEALTHCARE LIMITED 3,065,994
FORSELL, PETER 3,066,331
FOWLER, CATHERINE 3,066,785
FRANCH, THOMAS 3,066,572
FRESKGARD, PER-OLA 3,066,572
FUCCI, MARCO 3,066,837
GAMM, DAVID M. 3,066,806
GAO, GUANGPING 3,066,428
GAO, GUANGPING 3,066,596
GDALYAHU, YORAM 3,067,160
GDALYAHU, YORAM 3,067,177
GE, WANGMAO 3,066,279
GEA FARM TECHNOLOGIES GMBH 3,066,367
GENENTECH, INC. 3,065,968
GENERAL ELECTRIC COMPANY 3,065,735
GEORGIA TECH RESEARCH CORPORATION 3,066,594
GERRED, ANDREW GORDON 3,065,994
GLAD, SANNE SCHRODER 3,066,572
GOOGLE LLC 3,066,430
GOOGLE LLC 3,066,837
GOULIAEV, ALEX HAAR 3,066,572
GRADON, LEWIS GEORGE 3,065,994
GREEN, SCOTT A. 3,067,240
GRONVALL, LARS 3,066,151
GUEZ, YARON 3,048,304
GULAK, GLENN 3,065,976
HARRINGTON, DEMETRIOUS MARK 3,066,614
HAVARD, HAROLD GENE, JR. 3,065,907
HAYON, GABY 3,067,160
HAYON, GABY 3,067,177
HE, SHA 3,048,304
HENSEL, DERK 3,066,367
HILLE, DIETER 3,066,367
HOFFMAN, ALEX L. 3,065,720
HOISETH, SUSAN KAY 3,066,792
HOLTMANN, ANETTE 3,066,572
HONSCHEID, ARMIN 3,066,367
HOWDEN, TREVER LORNE 3,066,386
HOWDEN, TREVER LORNE 3,066,390
HOWDEN, TREVER LORNE 3,066,393
HOWDEN, TREVER LORNE 3,066,401
HUBERMAN, DAVID 3,067,160
HUBERMAN, DAVID 3,067,177
HUNDEMER, HANK J. 3,065,963
HUNG, DER-KAI 3,065,907
HUR, NAM-HO 3,066,406
HUSTVEDT, SVEIN OLAF 3,065,860
HYPERFINE RESEARCH, INC. 3,066,755

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

IDEXX LABORATORIES, INC. 3,067,107
IGAWA, TOMOYUKI 3,066,453
ISAACS, SCOTT 3,067,240
JAKOBOVITS, AYA 3,066,279
JAKOBSEN, SOREN NYBOE 3,066,572
JANJIC, NEBOJSA 3,066,785
JANSEN, KATHRIN UTE 3,066,792
JENSEN, KIM BIRKEBAEK 3,066,572
JOHNSON, SARA ANN 3,065,947
JONES, CHRISTOPHER MICHAEL 3,065,980
JUNUTULA, JAGATH REDDY 3,065,968
JUST, INC. 3,065,980
KASAHARA, AKIRA 3,067,501
KEMP, GARY ALLAN 3,067,153
KHEDR, ALHASSAN 3,065,976
KIM, HEUNG-MOOK 3,066,406
KIMCHI, GUR 3,067,240
KIMENER, THOMAS TERRANCE 3,067,239
KIMURA, TOMOHIRO 3,066,278
KINNEY, RAMSEY CHRISTIAN 3,066,594
KISSELL, RONALD E. 3,067,210
KLAVENESS, JO ERIK JOHNSRUD 3,065,860
KLOEPFER, CHRISTOPHER HOWARD 3,066,386
KLOEPFER, CHRISTOPHER HOWARD 3,066,390
KLOEPFER, CHRISTOPHER HOWARD 3,066,393
KLOEPFER, CHRISTOPHER HOWARD 3,066,401
KLOEPFER, MICHAEL 3,066,386
KLOEPFER, MICHAEL 3,066,390
KLOEPFER, MICHAEL 3,066,393
KLOEPFER, MICHAEL 3,066,401
KNAUF INSULATION GMBH 3,067,210
KOLE, RYSZARD 3,066,050
KOONTZ, STEVEN R. 3,066,413
KRONE, OTTO 3,066,367
KWON, SUN-HYOUNG 3,066,406
LANE, RANDY MATTHEW 3,066,262
LE GRAND, FABIEN 3,065,736
LEE, JAE-YOUNG 3,066,406
LENNOX INDUSTRIES INC. 3,065,907
LEVIN, MICHAL 3,066,837
LIN, JASON 3,066,614
LINDER-GANZ, ERAN 3,066,766
LIU, KAN 3,066,837
LOWDER, SCOTT B. 3,066,615
LOWE, BRENDA 3,066,436
LUNDORF, MIKKEL DYBRO 3,066,572
MACEWAN, MATTHEW R. 3,066,269
MADER, THOMAS 3,066,367
MANN, MICHAEL T. 3,066,436
MARKO, ALEXEI J. 3,066,262
MARSHALL EXCELSIOR COMPANY 3,065,720
MATHEWS, HARRY KIRK, JR. 3,065,735
MATSUOKA, YOKY 3,066,430
MAX CO., LTD. 3,067,501
MEDICALTREE PATENT LTD. 3,066,331
METSO MINERALS (SWEDEN) AB 3,066,151
MEYER, JASON S. 3,066,806
MOBILEYE VISION TECHNOLOGIES LTD. 3,067,160
MOBILEYE VISION TECHNOLOGIES LTD. 3,067,177
MONSANTO TECHNOLOGY LLC 3,066,436
MORAN, JUSTIN KEITH 3,066,792
MUCHHALA, SUSHANT 3,066,966
MURAKAMI, YUTAKA 3,066,278
NAGAOKA, TAKAHIRO 3,067,501
NATHAN, GUY 3,065,959
NATIONAL JEWISH HEALTH 3,065,947
NAVOT, AMIR 3,067,240
NEOVASC TIARA INC. 3,066,262
NOCCO, EMANUELE 3,066,766
NUEVOLUTION A/S 3,066,572
NYULI, COLIN A. 3,066,262
O'SULLIVAN, KEVIN 3,067,170
OKADA, HIDEHO 3,066,981
OLESEN, PREBEN HOULBERG 3,065,860
OLIVEIRA, MORGAN ANN 3,065,980
OLSEN, EVA KAMPMANN 3,066,572
OTTAWA HOSPITAL RESEARCH INSTITUTE 3,065,736
OUCHI, MIKIHIRO 3,066,278
PARK, SUNG-IK 3,066,406
PC CONNECTION, INC. 3,066,413
PEDERSEN, HENRIK 3,066,572
PETERSEN, WILLIAM L. 3,066,436
PFIZER INC. 3,066,792
PHAM, TRUNG DUC 3,066,140
PINDROP SECURITY, INC. 3,066,442
POLITIS, VICTOR 3,066,834
POLITIS, VICTOR 3,066,835
POLSON, ANDREW 3,065,968
PRONOVA BIOPHARMA NORGE AS 3,065,860
RAITANO, ARTHUR B. 3,066,279
REARICK, TODD 3,066,755
REFAELI, YOSEF 3,065,947
REISMAN, ARAN 3,067,160
REISMAN, ARAN 3,067,177
RICHARDS, STEPHEN 3,066,834
RICHARDS, STEPHEN 3,066,835
RICHART, OLIVIER 3,066,814
ROHLOFF, JOHN 3,066,785
ROSEN, MATTHEW, SCOT 3,066,755
ROTHBERG, JONATHAN M. 3,066,755
ROUT, JYOTI R. 3,066,436
ROWE, JONATHAN 3,066,588
RUBINSKY, SERGEY 3,067,160
RUBINSKY, SERGEY 3,067,177
RUDNICKI, MICHAEL A. 3,065,736
RUPPEN, MARK E. 3,066,792
SAINIS, SUNIL KRISHNA 3,066,397
SAMS, CHRISTIAN 3,066,572
SAREPTA THERAPEUTICS, INC. 3,066,050
SARGENT MANUFACTURING COMPANY 3,066,615
SAZANI, PETER 3,066,050
SCHACHTEL, BERNARD 3,066,426
SCHAFFALITZKY, FREDERIK 3,067,240
SCHALITZ, WILLIAM J. 3,066,420
SCHLUETTER, JENS-UWE 3,067,153
SCHWARTZ, ZVI 3,066,594
SEARLE, GARY 3,066,834
SEARLE, GARY 3,066,835
SEO, WILL 3,066,966
SERVICENOW, INC. 3,048,304
SHAH, NISHIT 3,066,837
SHALEV-SHWARTZ, SHAI 3,067,160
SHALEV-SHWARTZ, SHAI 3,067,177
SHASHUA, AMNON 3,067,160
SHASHUA, AMNON 3,067,177
SHIRAIWA, HIROTAKE 3,066,453
SIMARD, MARC J. 3,065,983
SITA INFORMATION NETWORKING COMPUTING USA, INC. 3,067,170
SJODIN, THEODORE A. 3,066,614
SKAAKSRUD, OLE-PETTER 3,066,597
SLOO, DAVID 3,066,430
SMITH, GREGORY MARTYN 3,065,994
SOMALOGIC, INC. 3,066,785
SONDEREGGER, RALPH 3,066,834
SONDEREGGER, RALPH 3,066,835
SONG, YI 3,066,273
SONGSTAD, DAVID D. 3,066,436
SONI, PARESH 3,067,008
SONI, PARESH 3,067,012
SPRINGER, OFER 3,067,160
SPRINGER, OFER 3,067,177
STABILOCK, LLC 3,067,239
STEFANSKI, MARK D. 3,066,430
STEIN, GIDEON 3,067,160
STEIN, GIDEON 3,067,177
SU, CHIA-CHEN 3,066,614
SUN PATENT TRUST 3,066,278
SWIFT, BRIAN LEE 3,067,210
TAIEB, YOAV 3,067,160
TAIEB, YOAV 3,067,177
TAKIGIKU, RAY 3,066,426
TECKENTRUP, ROLF 3,066,367
TELFER, STEPHEN J. 3,066,397
TETRICK, JOSHUA 3,065,980
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 3,065,976
THE REGENTS OF UNIVERSITY OF COLORADO 3,065,947
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 3,066,428
THE UNITED STATES OF AMERICA AS REPRESENTED BY THE DEPARTMENT OF VETERS AFFAIRS 3,065,983
TITAN TRAILERS INC. 3,066,386
TITAN TRAILERS INC. 3,066,390
TITAN TRAILERS INC. 3,066,393
TITAN TRAILERS INC. 3,066,401

TOUCHTUNES MUSIC CORPORATION	3,065,959
TRADING TECHNOLOGIES INTERNATIONAL, INC.	3,067,153
TRIBUNE BROADCASTING COMPANY, LLC	3,065,963
TROSSEHL, MARC	3,066,367
TUBIS, IGOR	3,067,160
TUBIS, IGOR	3,067,177
TUCKER, CHRISTOPHER	3,048,304
TURNER, BRIAN CURTIS	3,065,947
UNIVERSITY OF MARYLAND, BALTIMORE	3,065,983
UNIVERSITY OF MASSACHUSETTS	3,066,596
UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATN	3,066,981
UNKNOWN	3,066,306
VALLE, MOISES	3,066,966
VERMA, VISHAAL B.	3,066,420
VILLEMOES, LARS	3,067,155
W.L. GORE & ASSOCIATES, INC.	3,065,734
WALTER, STEPHEN A.	3,065,907
WANG, HONGYAN	3,066,596
WASHINGTON UNIVERSITY	3,066,269
WHEELER, MATTHEW J.	3,066,413
WHITING, DAVID ROBIN	3,065,994
WIETHOFF, MAGNUS	3,066,367
WILKS, JOEL B.	3,066,436
WILLIAMS, ROBERT C.	3,066,413
WILSON, JAMES M.	3,066,428
WISCONSIN ALUMINI RESEARCH FOUNDATION	3,066,806
WOODWARD, JOSHUA	3,066,837
XU, RUIJIAN	3,067,210
XU, ZUOSHANG	3,066,596
YERRAMILLI, MAHALAKSHMI	3,067,107
YERRAMILLI, MURTHY V. S. N.	3,067,107
ZHANG, HONGWEI	3,066,596
ZHANG, QIAN	3,048,304
ZHANG, WANGGEN	3,066,436
ZHANG, YI	3,061,224
ZHENG, BING	3,065,968