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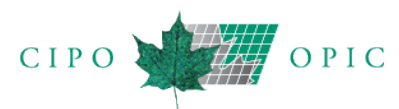
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THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

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

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

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.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

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Notices

Avis

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

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'identification 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).

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

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.

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. 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. 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.

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.

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.

8. List of Patents Available for Licence or Sale

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

None

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. 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. 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. 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.

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).

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

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

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

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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).

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 57.2a) 295 \$

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

* Les frais seront réduits de:

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

12. 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

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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).

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

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(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. 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

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4. Renseignements généraux
5. Prorogation des délais
6. Procédures en cas de fermeture imprévue des bureaux de l'OPIC

Avis

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

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

Download the [Fee Payment Form](#).

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,

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

Téléchargez le [formulaire de paiement des frais](#).

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

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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.

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

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. 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

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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.

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

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. 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,

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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).

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.

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 où l'OPIC l'a reçue (Heure de l'Est).

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'acquiescement 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.

Notices

Patents

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

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.

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](#).

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](#).

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

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 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.

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](#).

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](#).

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

Avis

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.

Copyright

:

- [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.

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](#).

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](#).

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](#).

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.

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](#).

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](#).

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 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.

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 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.

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.

Notices

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.

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.

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

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.

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. 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.

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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 1/2" 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.

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.

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.

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)

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

Notices

4. General Information

General information may be obtained by communicating with CIPO's [Client Service Centre](#).

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](#)

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;

4. Renseignements généraux

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

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](#)

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 réglementaire** 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 réglementaires** 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 (1^{er} 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 (1^{er} juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

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- 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.

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,

- 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 réglementaires 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 réglementaires pour lesquels un délai peut être prorogé. Il est recommandé que les clients soient attentifs et s'assurent que tout délai soit respecté.

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

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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.

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.

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

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.

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.

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

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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

Notices

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.

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.

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](#)

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](#).

Veillez 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. 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. 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](#)

Avis

- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trademarks Act](#)
- [Trademarks Regulations](#)

- [Règlement d'exécution du PCT](#)
- [Loi sur les marques de commerce](#)
- [Règlement sur les marques de commerce](#)

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of October 13, 2020 contains applications open to public inspection from September 27, 2020 to October 3, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 13 octobre 2020 contient les demandes disponibles au public pour consultation pour la période du 27 septembre 2020 au 3 octobre 2020.

16. Notice of removal from the register of patent agents

The Commissioner of Patents has removed the names of the following agents and/or firms from the register of patent agents pursuant to subsection 23(3) of the *Patent Rules*, effective **September 1, 2020**. Please note that some of the following agents may have been reinstated on the register under section 24 of the *Patent Rules* subsequently to their removal on September 1, 2020:

ANDES, WILLIAM SCOTT
 ASQUITH, ANTHONY
 BAILEY, R. W.B.
 BERNIER, ALAIN
 BHATNAGAR, PRATEEK
 BOND, LAURENCE B.
 BUNCH, JOHN W.
 CANTIN, PIERRE A.
 CHANG, AUBIN J.
 CHARLES, MICHAEL E.
 CHOI, THOMAS Y.
 CHOITECHANDLAW PROFESSIONAL CORPORATION
 DANIELS IP SERVICES LTD.
 DEHAAN, MAY LIN
 DERZKO, NATALIE M., ESQ.
 D'IORIO, HELENE
 EDMONDS, BRIAN D.
 FAGGETTER, RONALD D.
 FASKEN MARTINEAU DUMOULIN LLP
 GAGNON, MARIE-CLAUDE
 GILBERT'S LLP
 GOBROGGE, ROGER E.
 GOLD, SOLOMON
 HOLLY, JENNIFER
 HUNT, JOHN C.(DR.)
 JOHNSON, ERNEST PETER
 JOHNSTON LAW
 JORGENSON, ADRIAN
 LEWIS, DONALD G.
 LONG AND CAMERON
 MANOLAKIS, EMMANUEL
 MARIO D. THERIAULT & COMPANY
 MCNICHOL, WILLIAM J., JR.
 MCVEAN, SHONAGH L.
 METHOD LAW PROFESSIONAL CORPORATION
 MILLER THOMSON LLP
 MILLER THOMSON LLP
 MILLER THOMSON LLP
 MILLER THOMSON LLP
 NASH, WILLIAM B.
 NISSLE, TOD R.
 OH, ZHI-XIANG
 PROVOST, ALAIN
 R.W.B. BAILEY
 RAE, PATRICIA ANNE

16. Avis concernant le registre des agents de brevets : supprimer le nom de certains agents et/ou des entreprises

Prenant effet le 1er septembre 2020, le commissaire aux brevets a supprimé le nom des agents ou des entreprises suivants du registre des agents de brevets conformément au paragraphe 23(3) des *Règles sur les brevets*. Veuillez noter que certains des agents suivants peuvent avoir été inscrits de nouveau au registre en vertu de l'article 24 des *Règles sur les brevets*, après leur suppression le 1er septembre 2020:

ANDES, WILLIAM SCOTT
 ASQUITH, ANTHONY
 BAILEY, R. W.B.
 BERNIER, ALAIN
 BHATNAGAR, PRATEEK
 BOND, LAURENCE B.
 BUNCH, JOHN W.
 CANTIN, PIERRE A.
 CHANG, AUBIN J.
 CHARLES, MICHAEL E.
 CHOI, THOMAS Y.
 CHOITECHANDLAW PROFESSIONAL CORPORATION
 DANIELS IP SERVICES LTD.
 DEHAAN, MAY LIN
 DERZKO, NATALIE M., ESQ.
 D'IORIO, HELENE
 EDMONDS, BRIAN D.
 FAGGETTER, RONALD D.
 FASKEN MARTINEAU DUMOULIN LLP
 GAGNON, MARIE-CLAUDE
 GILBERT'S LLP
 GOBROGGE, ROGER E.
 GOLD, SOLOMON
 HOLLY, JENNIFER
 HUNT, JOHN C.(DR.)
 JOHNSON, ERNEST PETER
 JOHNSTON LAW
 JORGENSON, ADRIAN
 LEWIS, DONALD G.
 LONG AND CAMERON
 MANOLAKIS, EMMANUEL
 MARIO D. THERIAULT & COMPANY
 MCNICHOL, WILLIAM J., JR.
 MCVEAN, SHONAGH L.
 METHOD LAW PROFESSIONAL CORPORATION
 MILLER THOMSON LLP
 MILLER THOMSON LLP
 MILLER THOMSON LLP
 MILLER THOMSON LLP
 NASH, WILLIAM B.
 NISSLE, TOD R.
 OH, ZHI-XIANG
 PROVOST, ALAIN
 R.W.B. BAILEY
 RAE, PATRICIA ANNE

Avis

RUDY, CHRISTOPHER JOHN
SEABY & ASSOCIATES
SHANKS, ANDREW
SIM LUFT, KELTIE RUTH
SOLOWAY, NORMAN P.
SUMMA, PHILIP
SUTTON, PAUL J., ESQ.
SYLLA, M. LAMINE
TEITELBAUM & MACLEAN
TROTT, TREVOR
VALADARES LAW PROFESSIONAL CORPORATION
VAN DER SLUIS, MARCEL C.
VAN ZANT, JOAN MARGO
WILBUR, JAMES T.
WILFRED INTELLECTUAL PROPERTY INC.
YACOOB, REZA K.

RUDY, CHRISTOPHER JOHN
SEABY & ASSOCIATES
SHANKS, ANDREW
SIM LUFT, KELTIE RUTH
SOLOWAY, NORMAN P.
SUMMA, PHILIP
SUTTON, PAUL J., ESQ.
SYLLA, M. LAMINE
TEITELBAUM & MACLEAN
TROTT, TREVOR
VALADARES LAW PROFESSIONAL CORPORATION
VAN DER SLUIS, MARCEL C.
VAN ZANT, JOAN MARGO
WILBUR, JAMES T.
WILFRED INTELLECTUAL PROPERTY INC.
YACOOB, REZA K.

Notices

17. Erratum

All information respecting patent application number 3, 090, 388 referred to under the section *PCT Applications Entering the National Phase* contained in the September 1, 2020, issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

17. Erratum

Toutes les informations relatives à la demande de brevet 3, 090, 388 dans la liste *des Demandes PCT entrant en phase nationale* contenues dans le numéro 1 septembre 2020 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

October 13, 2020

Brevets canadiens délivrés

13 octobre 2020

[11] **2,630,220**
[13] C

[51] **Int.Cl. C07K 14/08 (2006.01) A61K 39/12 (2006.01) C07K 16/10 (2006.01)**

[25] EN

[54] **NOROVIRUS AND SAPOVIRUS ANTIGENS**

[54] **ANTIGENES DE NOROVIRUS ET DE SAPOVIRUS**

[72] COIT, DORIS, US

[72] HOUGHTON, MICHAEL, US

[72] MCCOIN, COLIN, US

[72] MEDINA-SELBY, ANGELICA, US

[72] VAJDY, MICHAEL, US

[73] NOVARTIS VACCINES AND DIAGNOSTICS, INC., US

[85] 2008-05-15

[86] 2006-11-22 (PCT/US2006/045280)

[87] (WO2007/081447)

[30] US (60/739,217) 2005-11-22

[11] **2,635,598**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/38 (2006.01)**

[25] EN

[54] **MULTIVALENT PCV2 IMMUNOGENIC COMPOSITIONS AND METHODS OF PRODUCING SUCH COMPOSITIONS**

[54] **COMPOSITIONS IMMUNOGENES PCV2 MULTIVALENTES, ET PROCEDE DE PRODUCTION DE TELLES COMPOSITIONS**

[72] ROOF, MICHAEL, US

[72] HAYES, PHILLIP WAYNE, US

[72] EICHMEYER, MARC, US

[72] NITZEL, GREG, US

[72] SCHAEFFER, MERRILL, US

[73] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC., US

[85] 2008-06-26

[86] 2006-12-28 (PCT/US2006/062654)

[87] (WO2007/076520)

[30] US (60/755,015) 2005-12-29

[11] **2,670,433**
[13] C

[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **ADOPTIVE TRANSFER OF CD8+ T CELL CLONES DERIVED FROM CENTRAL MEMORY CELLS**

[54] **TRANSFERT ADOPTIF DE CLONES DE CELLULE CD8+ T DERIVES DE CELLULES DE MEMOIRE CENTRALE**

[72] RIDDELL, STANLEY R., US

[72] BERGER, CAROLINA, US

[72] JENSEN, MICHAEL C., US

[73] FRED HUTCHINSON CANCER RESEARCH CENTER, US

[73] CITY OF HOPE, US

[85] 2009-05-22

[86] 2007-10-12 (PCT/US2007/021830)

[87] (WO2008/066609)

[30] US (60/867,880) 2006-11-30

[11] **2,684,271**
[13] C

[51] **Int.Cl. C12Q 1/6895 (2018.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR SELECTING SOYBEAN PLANTS RESISTANT TO PHYTOPHTHORA ROOT ROT**

[54] **PROCEDES ET COMPOSITIONS PERMETTANT DE SELECTIONNER DES PLANTES DE SOJA RESISTANT AU POURRIDIE PHYTOPHTHOREEN**

[72] BEHM, JAMES, US

[72] WU, KUNSHENG, US

[72] TAMULONIS, JOHN, US

[72] CONCIBIDO, VERGEL, US

[72] YATES, JENNIFER, US

[73] MONSANTO TECHNOLOGY LLC, US

[85] 2009-10-15

[86] 2008-04-16 (PCT/US2008/060447)

[87] (WO2008/130981)

[30] US (60/925,475) 2007-04-20

[11] **2,706,847**
[13] C

[51] **Int.Cl. G01N 27/00 (2006.01) G01N 30/14 (2006.01) G01N 33/92 (2006.01) G01N 33/74 (2006.01)**

[25] EN

[54] **METHODS FOR DETECTING ESTRADIOL BY MASS SPECTROMETRY**

[54] **PROCEDES DE DETECTION D'OESTRADIOL PAR SPECTROMETRIE DE MASSE**

[72] GOLDMAN, MILDRED M., US

[72] CLARKE, NIGEL J., US

[72] REITZ, RICHARD E., US

[73] QUEST DIAGNOSTICS INVESTMENTS INCORPORATED, US

[85] 2010-05-26

[86] 2008-11-24 (PCT/US2008/084561)

[87] (WO2009/070539)

[30] US (11/946,017) 2007-11-27

[11] **2,721,729**
[13] C

[51] **Int.Cl. C12Q 1/28 (2006.01) G01N 33/58 (2006.01)**

[25] EN

[54] **METHODS FOR DETECTING ORGANISMS AND ENZYMATIC REACTIONS USING RAMAN SPECTROSCOPY**

[54] **PROCEDES DE DETECTION D'ORGANISMES ET DE REACTIONS ENZYMATIQUES A L'AIDE D'UNE SPECTROSCOPIE RAMAN**

[72] SIEGEL, NEAL ARTHUR, US

[72] KUNDU, SAMAR KUMAR, US

[72] GINSBURGH, CHARLES LESTER, US

[73] SWORD DIAGNOSTICS, INC., US

[85] 2010-10-18

[86] 2009-02-11 (PCT/US2009/033750)

[87] (WO2009/128978)

[30] US (12/081,496) 2008-04-16

Canadian Patents Issued
October 13, 2020

[11] **2,736,864**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/08 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **STABLE LIQUID ANTIBODY FORMULATION**
[54] **COMPOSITION, LIQUIDE ET STABLE, A BASE D'ANTICORPS**
[72] BADKAR, ADAVIT VIJAY, US
[72] BOHACK, LEIGH KRISTEN, US
[72] KING, KEVIN ROGER, US
[72] LARY, ALANTA LEA, US
[73] PFIZER INC., US
[85] 2011-02-25
[86] 2009-09-18 (PCT/IB2009/054111)
[87] (WO2010/032220)
[30] US (61/098,305) 2008-09-19

[11] **2,754,571**
[13] C
[51] **Int.Cl. F24C 7/02 (2006.01) A23L 5/10 (2016.01) A23L 5/30 (2016.01) A21B 2/00 (2006.01) A23L 3/005 (2006.01) A47J 27/088 (2006.01) A47J 37/00 (2006.01) B01J 19/12 (2006.01) H01S 5/00 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR DIGITAL NARROWBAND, WAVELENGTH SPECIFIC COOKING, CURING, FOOD PREPARATION, AND PROCESSING**
[54] **PROCEDE ET SYSTEME NUMERIQUE A BANDE ETROITE POUR CUIRE, SECHER, PREPARER, ET TRAITER DES ALIMENTS AU MOYEN DE LONGUEURS D'ONDES SPECIFIQUES**
[72] COCHRAN, DON W., US
[72] KATZ, JONATHAN M., US
[72] JOHNSON, BENJAMIN D., US
[72] ROSS, DENWOOD F., US
[73] PRESSCO TECHNOLOGY, INC., US
[85] 2011-09-06
[86] 2010-03-05 (PCT/US2010/026438)
[87] (WO2010/102261)
[30] US (61/157,799) 2009-03-05

[11] **2,761,568**
[13] C
[51] **Int.Cl. C07K 14/16 (2006.01) A61K 39/21 (2006.01) A61K 39/42 (2006.01) A61P 31/18 (2006.01) A61P 37/04 (2006.01) C07K 16/10 (2006.01)**
[25] EN
[54] **STRUCTURED VIRAL PEPTIDE COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE PEPTIDES VIRAUX STRUCTURES ET PROCEDES D'UTILISATION**
[72] WALENSKY, LOREN D., US
[72] BIRD, GREGORY, US
[73] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2011-11-10
[86] 2010-06-18 (PCT/US2010/039223)
[87] (WO2010/148335)
[30] US (61/218,209) 2009-06-18

[11] **2,764,479**
[13] C
[51] **Int.Cl. G05D 7/06 (2006.01) F16K 3/22 (2006.01) F16K 21/02 (2006.01) F17D 3/01 (2006.01) F17D 3/18 (2006.01) G01F 3/12 (2006.01) G01F 15/00 (2006.01) H01M 10/052 (2010.01)**
[25] EN
[54] **WATER METER WITH INTEGRAL FLOW RESTRICTION VALVE**
[54] **COMPTEUR D'EAU A SOUPEPE DE REDUCTION DE DEBIT INTEGREE**
[72] BENSON, RONALD D., US
[72] METZGER, ERIC, US
[73] BADGER METER, INC., US
[86] (2764479)
[87] (2764479)
[22] 2012-01-13
[30] US (13/017,264) 2011-01-31

[11] **2,772,781**
[13] C
[51] **Int.Cl. G01V 9/00 (2006.01) G01V 1/34 (2006.01) G06F 3/048 (2013.01)**
[25] EN
[54] **METHOD, SYSTEM, AND APPARATUS FOR IMMERSIVE GEOLOGY OR GEOPHYSICS APPLICATION ENVIRONMENT**
[54] **METHODE, SYSTEME ET APPAREIL POUR ENVIRONNEMENT D'APPLICATION GEOPHYSIQUE OU DE GEOLOGIE IMMERSIVE**
[72] LARSEN, CHRISTIAN WESTLYE, NO
[72] WIECZOREK, AMADEUS, CA
[72] KJOERMO, OLE INGEMANN, NO
[73] SCHLUMBERGER CANADA LIMITED, CA
[86] (2772781)
[87] (2772781)
[22] 2012-03-28
[30] US (61/468,839) 2011-03-29

[11] **2,773,507**
[13] C
[51] **Int.Cl. G08B 21/02 (2006.01) G06T 7/194 (2017.01) G06T 7/00 (2017.01) G08B 21/04 (2006.01)**
[25] EN
[54] **FALL DETECTION AND REPORTING TECHNOLOGY**
[54] **DETECTION DES CHUTES ET TECHNOLOGIE DE SIGNALISATION**
[72] HANSON, MARK ANDREW, US
[72] MARTIN, JEAN-PAUL, US
[72] BARTH, ADAM, US
[72] SILVERMAN, CHRISTOPHER, US
[73] ALARM.COM INCORPORATED, US
[86] (2773507)
[87] (2773507)
[22] 2012-04-04
[30] US (61/471,495) 2011-04-04

**Brevets canadiens délivrés
13 octobre 2020**

[11] **2,778,561**
[13] C

[51] **Int.Cl. C08L 101/16 (2006.01) C08K 3/22 (2006.01) C08K 7/18 (2006.01) C08L 1/02 (2006.01) C08L 25/06 (2006.01)**

[25] EN

[54] **MAGNETIC NANOCOMPOSITE MATERIAL AND PROCESSES FOR THE PRODUCTION THEREOF**

[54] **MATERIAU NANOCOMPOSITE MAGNETIQUE ET PROCEDE DE FABRICATION**

[72] GHANDI, KASHAYAR, CA

[73] GHANDI, KASHAYAR, CA

[86] (2778561)

[87] (2778561)

[22] 2012-05-31

[30] US (61/491,557) 2011-05-31

[11] **2,799,547**
[13] C

[51] **Int.Cl. H04B 7/0417 (2017.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PUCCH FEEDBACK IN 3GPP WIRELESS NETWORKS**

[54] **SYSTEMES ET PROCEDES POUR UN RETOUR D'INFORMATIONS PUCCH DANS DES RESEAUX SANS FIL 3GPP**

[72] LIU, LINGJIA, US

[72] ZHANG, JIANZHONG, US

[72] NAM, YOUNG HAN, US

[73] SAMSUNG ELECTRONICS CO., LTD., KR

[85] 2012-11-14

[86] 2011-05-12 (PCT/KR2011/003498)

[87] (WO2011/142598)

[30] US (61/334,685) 2010-05-14

[30] US (13/104,644) 2011-05-10

[11] **2,806,284**
[13] C

[51] **Int.Cl. H04N 7/173 (2011.01)**

[25] EN

[54] **TRANSMISSION APPARATUS, TRANSMISSION METHOD, RECEPTION APPARATUS, RECEPTION METHOD, PROGRAM, AND BROADCASTING SYSTEM**

[54] **DISPOSITIF DE TRANSMISSION, METHODE DE TRANSMISSION, DISPOSITIF DE RECEPTION, METHODE DE RECEPTION, PROGRAMME ET SYSTEME DE RADIODIFFUSION**

[72] KITAZATO, NAOHISA, JP

[72] DEWA, YOSHIHARU, JP

[73] SONY CORPORATION, JP

[85] 2013-01-22

[86] 2011-08-22 (PCT/JP2011/068833)

[87] (WO2012/029564)

[30] US (61/378,256) 2010-08-30

[30] US (13/081,566) 2011-04-07

[11] **2,806,318**
[13] C

[51] **Int.Cl. G06F 13/00 (2006.01) G06F 12/00 (2006.01) H04N 7/173 (2011.01)**

[25] EN

[54] **RECEPTION APPARATUS, RECEPTION METHOD, TRANSMISSION APPARATUS, TRANSMISSION METHOD, PROGRAM, AND BROADCASTING SYSTEM**

[54] **DISPOSITIF DE RECEPTION, METHODE DE RECEPTION, DISPOSITIF DE TRANSMISSION, METHODE DE TRANSMISSION, PROGRAMME ET SYSTEME DE RADIODIFFUSION**

[72] KITAZATO, NAOHISA, JP

[72] DEWA, YOSHIHARU, JP

[72] YAMAGISHI, YASUAKI, JP

[73] SONY CORPORATION, JP

[85] 2013-01-22

[86] 2011-08-22 (PCT/JP2011/068835)

[87] (WO2012/029566)

[30] US (61/378,239) 2010-08-30

[30] US (61/383,244) 2010-09-15

[30] US (13/080,866) 2011-04-06

[11] **2,808,155**
[13] C

[51] **Int.Cl. G01W 1/00 (2006.01) G01S 19/07 (2010.01)**

[25] EN

[54] **ADAPTIVE METHOD FOR ESTIMATING THE ELECTRON CONTENT OF THE IONOSPHERE**

[54] **METHODE ADAPTATIVE PERMETTANT D'ESTIMER LE CONTENU EN ELECTRONS DE L'IONOSPHERE**

[72] TRILLES, SEBASTIEN, FR

[72] BERTIN DE LA HAUTIERE, GONZAGUE, FR

[72] VAN DEN BOSSCHE, MATHIAS, FR

[73] THALES, FR

[86] (2808155)

[87] (2808155)

[22] 2013-03-06

[30] FR (1200717) 2012-03-09

[11] **2,813,667**
[13] C

[51] **Int.Cl. B01D 53/56 (2006.01) B01D 53/86 (2006.01)**

[25] FR

[54] **DENITRIFICATION PROCESS FOR SMOKE PRODUCED BY A COMBUSTION FURNACE AND INSTALLATION FOR THE IMPLEMENTATION OF SAID PROCESS**

[54] **PROCEDE DE DENITRIFICATION DES FUMEEES PRODUITES PAR UN FOUR DE COMBUSTION, ET INSTALLATION POUR LA MISE EN OEUVRE DE CE PROCEDE**

[72] PARDO, PIERRE-EMMANUEL, FR

[72] MORICE, LUDOVIC, FR

[73] DEGREMONT, FR

[86] (2813667)

[87] (2813667)

[22] 2013-04-17

[30] FR (12 53 597) 2012-04-19

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[11] **2,815,800**
[13] C

[51] **Int.Cl. B64D 47/00 (2006.01) B64F 5/00 (2017.01)**
[25] EN
[54] **PARAMETRIZABLE SYSTEM FOR CENTRALIZED MAINTENANCE INTENDED FOR AN AIRCRAFT**
[54] **SYSTEME PARAMETRABLE POUR ENTRETIEN CENTRALISE CONCU POUR UN AERONEF**
[72] LAVAL, LAURENT, FR
[72] MARESTIN, PASCAL, FR
[72] SUBELET, MICHEL, FR
[73] THALES, FR
[86] (2815800)
[87] (2815800)
[22] 2013-05-07
[30] FR (1201373) 2012-05-11

[11] **2,816,495**
[13] C

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/07 (2010.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **INSULIN PRODUCING CELLS DERIVED FROM PLURIPOTENT STEM CELLS**
[54] **CELLULES PRODUISANT DE L'INSULINE DERIVEES DE CELLULES SOUCHES PLURIPOTENTES**
[72] REVEL, MICHEL, IL
[72] CHEBATH, JUDITH, IL
[72] SLUTSKY, GUY, IL
[72] LEVY, ALON, IL
[72] IZRAEL, MICHAL, IL
[72] HASSON, ARIK, IL
[72] MOLAKANDOV, KFIR, IL
[72] KAUFMAN, ROSALIA, IL
[73] KADIMASTEM LTD., IL
[85] 2013-04-30
[86] 2011-12-15 (PCT/IL2011/050068)
[87] (WO2012/081029)
[30] US (61/423,171) 2010-12-15

[11] **2,819,848**
[13] C

[51] **Int.Cl. B61L 99/00 (2006.01) B61K 13/00 (2006.01)**
[25] FR
[54] **TRAIN AND SECURE DETERMINATION PROCESS OF THE MAKEUP OF SUCH A TRAIN**
[54] **TRAIN ET PROCEDE DE DETERMINATION DE LA COMPOSITION D'UN TEL TRAIN EN SECURITE**
[72] LINARES, MICHEL, FR
[72] VAN DEN HENDE, JEAN-CHRISTOPHE, FR
[73] ALSTOM TRANSPORT TECHNOLOGIES, FR
[86] (2819848)
[87] (2819848)
[22] 2013-06-25
[30] FR (1256126) 2012-06-27

[11] **2,819,986**
[13] C

[51] **Int.Cl. B25B 5/16 (2006.01) B25B 1/24 (2006.01)**
[25] EN
[54] **TOGGLE LEVER CLAMP**
[54] **DISPOSITIF DE SERRAGE A GRENOUILLE**
[72] DELLACH, KENNETH PAUL, US
[73] DELAWARE CAPITAL FORMATION, INC., US
[86] (2819986)
[87] (2819986)
[22] 2013-07-03
[30] US (61/678,215) 2012-08-01
[30] US (13/800,337) 2013-03-13

[11] **2,820,309**
[13] C

[51] **Int.Cl. B65D 5/52 (2006.01)**
[25] EN
[54] **PREASSEMBLED DISPLAY WITH AUTOMATIC STACKABLE SUPPORTS**
[54] **PRESENTOIR PREASSEMBLE AVEC SUPPORTS EMPILABLES AUTOMATIQUES**
[72] WINTERMUTE, WILLIAM, US
[72] SCHOETTLE, DAVID, US
[72] CLIFFORD, STAN, US
[73] MARS, INCORPORATED, US
[86] (2820309)
[87] (2820309)
[22] 2013-07-04
[30] US (61/669,833) 2012-07-10
[30] US (13/914,859) 2013-06-11

[11] **2,825,008**
[13] C

[51] **Int.Cl. C09D 5/16 (2006.01) B01L 3/00 (2006.01) B05D 5/08 (2006.01)**
[25] EN
[54] **SLIPPERY SURFACES WITH HIGH PRESSURE STABILITY, OPTICAL TRANSPARENCY, AND SELF-HEALING CHARACTERISTICS**
[54] **SURFACES GLISSANTES A STABILITE ELEVEE A LA PRESSION POSSEDANT DES CARACTERISTIQUES DE TRANSPARENCE OPTIQUE ET AUTO-REPARATRICES**
[72] AIZENBERG, JOANNA, US
[72] AIZENBERG, MICHAEL, US
[72] KANG, SUNG HOON, US
[72] KIM, PHILSEOK, US
[72] TANG, KAM YAN, US
[72] WONG, TAK SING, US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2013-07-17
[86] 2012-01-19 (PCT/US2012/021928)
[87] (WO2012/100099)
[30] US (61/434,217) 2011-01-19
[30] US (61/466,352) 2011-03-22
[30] US (61/470,973) 2011-04-01
[30] US (61/496,883) 2011-06-14
[30] US (61/509,488) 2011-07-19
[30] US (61/529,734) 2011-08-31
[30] US (61/538,100) 2011-09-22

[11] **2,825,029**
[13] C

[51] **Int.Cl. G16B 20/10 (2019.01) C12Q 1/6809 (2018.01)**
[25] EN
[54] **RISK CALCULATION FOR EVALUATION OF FETAL ANEUPLOIDY**
[54] **CALCUL DE RISQUE POUR UNE EVALUATION D'ANEUPLOIDIE FETALE**
[72] OLIPHANT, ARNOLD, US
[72] SPARKS, ANDREW, US
[72] WANG, ERIC, US
[72] STRUBLE, CRAIG, US
[73] ARIOSIA DIAGNOSTICS, INC., US
[85] 2013-07-17
[86] 2012-01-20 (PCT/US2012/021955)
[87] (WO2012/102945)
[30] US (61/436,135) 2011-01-25
[30] US (13/316,154) 2011-12-09
[30] US (13/338,963) 2011-12-28

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[11] **2,829,939**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/495 (2006.01) A61P 31/04 (2006.01) C07D 487/14 (2006.01)**

[25] EN
[54] **TRICYCLIC GYRASE INHIBITORS**

[54] **INHIBITEURS DE LA GYRASE TRICYCLIQUE**

[72] BENSEN, DANIEL, US
[72] FINN, JOHN, US
[72] LEE, SUK JOONG, US
[72] CHEN, ZHIYONG, US
[72] LAM, THANH TO, US
[72] LI, XIAOMING, US
[72] TRZOSS, MICHAEL, US
[72] JUNG, MICHAEL, US
[72] NGUYEN, TOAN B., US
[72] LIGHTSTONE, FELICE, US
[72] TARI, LESLIE WILLIAM, US
[72] ZHANG, JUNHU, US
[72] ARISTOFF, PAUL, US
[72] PHILLIPSON, DOUGLAS W., US
[72] WONG, SERGIO E., US
[73] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[73] MERCK SHARP & DOHME CORP., US
[85] 2013-09-11
[86] 2012-03-14 (PCT/US2012/029104)
[87] (WO2012/125746)
[30] US (61/453,011) 2011-03-15

[11] **2,831,047**
[13] C

[51] **Int.Cl. C22C 37/04 (2006.01) C21D 5/00 (2006.01)**

[25] FR
[54] **ALLOY WITH CORRESPONDING PART AND FABRICATION PROCESS**

[54] **ALLIAGE, PIECE ET PROCEDE DE FABRICATION CORRESPONDANTS**

[72] PRUNIER, JEAN-BAPTISTE, FR
[73] FERRY CAPITAIN, FR
[86] (2831047)
[87] (2831047)
[22] 2013-07-11
[30] FR (1257099) 2012-07-23

[11] **2,831,597**
[13] C

[51] **Int.Cl. A61K 36/27 (2006.01) A61K 9/06 (2006.01) A61K 9/107 (2006.01) A61P 17/00 (2006.01) A61Q 19/00 (2006.01)**

[25] EN
[54] **TOPICAL SKIN CARE FORMULATIONS COMPRISING PLANT EXTRACTS**

[54] **FORMULATIONS TOPIQUES DE SOINS POUR LA PEAU COMPRENANT DES EXTRAITS VEGETAUX**

[72] FLORENCE, TIFFANY, US
[72] GAN, DAVID, US
[72] HINES, MICHELLE, US
[73] MARY KAY INC., US
[85] 2013-09-26
[86] 2012-03-28 (PCT/US2012/030936)
[87] (WO2012/135337)
[30] US (61/468,437) 2011-03-28

[11] **2,835,400**
[13] C

[51] **Int.Cl. C11D 1/02 (2006.01) A47L 15/00 (2006.01) B08B 3/08 (2006.01)**

[25] EN
[54] **NON-BLEACHING PROCEDURE FOR THE REMOVAL OF TEA AND COFFEE STAINS**

[54] **PROCEDURE SANS AGENT DE BLANCHIMENT POUR L'ELIMINATION DE TACHES DE THE ET DE CAFE**

[72] MIRALLES, ALTONY J., US
[72] FUNG, MICHELLE, US
[72] KRUEGER, JOHN, US
[73] ECOLAB USA INC., US
[85] 2013-11-07
[86] 2012-06-08 (PCT/IB2012/052920)
[87] (WO2012/172465)
[30] US (13/159,467) 2011-06-14

[11] **2,836,717**
[13] C

[51] **Int.Cl. G06F 21/31 (2013.01) G06Q 20/40 (2012.01) G06Q 40/02 (2012.01) G06F 21/32 (2013.01)**

[25] EN
[54] **DYNAMIC AUTHENTICATION TECHNOLOGY**

[54] **TECHNOLOGIE D'AUTHENTIFICATION DYNAMIQUE**

[72] SUBBARAYA KUNTAGOD, NATARAJ, IN
[72] PAUL, SANJOY, IN
[72] CHODHURY, SWAPNAJEET G., IN
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2836717)
[87] (2836717)
[22] 2013-12-13
[30] IN (5223/CHE/2012) 2012-12-14

[11] **2,837,580**
[13] C

[51] **Int.Cl. B65D 81/32 (2006.01) A23L 2/52 (2006.01)**

[25] EN
[54] **BEVERAGE CARTRIDGE**

[54] **CARTOUCHE DE BOISSON**

[72] CARDOSO, DANIEL GONCALVES, CA
[73] 1675119 ONTARIO INC., CA
[86] (2837580)
[87] (2837580)
[22] 2013-12-19
[30] US (13/957,895) 2013-08-02
[30] CA (2,822,791) 2013-08-02

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[11] **2,838,744**
[13] C

[51] **Int.Cl. C12N 11/02 (2006.01) C12N 9/10 (2006.01) C12P 17/18 (2006.01) C12Q 1/52 (2006.01)**
[25] EN
[54] **IMMOBILIZED TRANSAMINASES AND PROCESS FOR MAKING AND USING IMMOBILIZED TRANSAMINASE**
[54] **TRANSAMINASES IMMOBILISEES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] TRUPPO, MATTHEW D., US
[72] JANNEY, JACOB M., US
[72] HUGHES, GREGORY, US
[73] MERCK SHARP & DOHME CORP., US
[85] 2013-12-06
[86] 2012-06-18 (PCT/US2012/042853)
[87] (WO2012/177527)
[30] US (61/500,642) 2011-06-24

[11] **2,838,958**
[13] C

[51] **Int.Cl. B25F 3/00 (2006.01) B23Q 3/18 (2006.01) B25F 5/00 (2006.01)**
[25] EN
[54] **TOOL WITH ROTATABLE HEAD**
[54] **OUTIL A TETE ROTATIVE**
[72] WONG, TSZ KIN, JP
[72] GREGORICH, BRENT, US
[73] TECHTRONIC POWER TOOLS TECHNOLOGY LIMITED, VG
[86] (2838958)
[87] (2838958)
[22] 2014-01-09
[30] US (61/750,583) 2013-01-09

[11] **2,839,377**
[13] C

[51] **Int.Cl. E21B 34/12 (2006.01)**
[25] EN
[54] **SLEEVE FRACTURING ASSEMBLY, DEVICE USING THE SAME AND METHOD FOR USING THE SAME**
[54] **COMPOSANT DE FRACTURATION A MANCHONS COULISSANTS, DISPOSITIF UTILISANT CE COMPOSANT ET PROCEDE METTANT OEUVRE UN TEL DISPOSITIF**
[72] GAN, ZHENWEI, CN
[72] HUANG, QIUSHENG, CN
[72] REN, SHAN, CN
[72] LI, GUANGQUAN, CN
[72] WU, JIHAO, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION SOUTHWEST OIL & GAS COMPANY, CN
[85] 2013-12-13
[86] 2012-06-21 (PCT/CN2012/077287)
[87] (WO2012/175028)
[30] CN (201110170564.6) 2011-06-22
[30] CN (201110170557.6) 2011-06-22

[11] **2,840,360**
[13] C

[51] **Int.Cl. G16B 99/00 (2019.01) C12Q 1/54 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR ACHIEVING GLYCEMIC BALANCE**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS POUR REALISER L'EQUILIBRE GLYCEMIQUE**
[72] BASHAN, ERAN, US
[72] HODISH, ISRAEL, US
[73] HYGIEIA INC., US
[85] 2013-12-23
[86] 2012-06-22 (PCT/US2012/043678)
[87] (WO2012/177963)
[30] US (13/168,659) 2011-06-24

[11] **2,840,661**
[13] C

[51] **Int.Cl. G01F 23/288 (2006.01)**
[25] EN
[54] **LEVEL MEASUREMENT METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE MESURE DE NIVEAU**
[72] SANCHEZ GALICIA, EDGAR RAMON, GB
[72] JAMES, KENNETH, GB
[72] ROE, STEPHEN JOHN, GB
[73] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2013-12-27
[86] 2012-06-29 (PCT/GB2012/051530)
[87] (WO2013/005011)
[30] GB (1111211.7) 2011-07-01

[11] **2,841,572**
[13] C

[51] **Int.Cl. C07C 217/18 (2006.01) A61K 31/138 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **TRANS-CLOMIPHENE METABOLITES AND USES THEREOF**
[54] **METABOLITES DU TRANS-CLOMINOPHENE ET LEURS UTILISATIONS**
[72] PODOLSKI, JOSEPH S., US
[72] WIEHLE, RONALD D., US
[73] REPOS THERAPEUTICS INC., US
[85] 2014-01-13
[86] 2012-08-03 (PCT/US2012/049451)
[87] (WO2013/020017)
[30] US (61/515,278) 2011-08-04

[11] **2,842,572**
[13] C

[51] **Int.Cl. H04N 5/74 (2006.01) G06T 1/00 (2006.01) H04N 5/262 (2006.01)**
[25] EN
[54] **HYBRID IMAGE DECOMPOSITION AND PROJECTION**
[54] **DECOMPOSITION ET PROJECTION D'IMAGES HYBRIDES**
[72] TAN, WEINING, CA
[72] READ, STEVEN CHARLES, CA
[73] IMAX THEATRES INTERNATIONAL LIMITED, IE
[85] 2014-01-21
[86] 2012-08-14 (PCT/IB2012/054133)
[87] (WO2013/024430)
[30] US (61/575,117) 2011-08-16

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[11] **2,843,677**
[13] C

[51] **Int.Cl. E21B 43/00 (2006.01)**
[25] FR
[54] **METHOD FOR EXPLOITING A GEOLOGICAL RESERVOIR USING A CALIBRATED RESERVOIR MODEL CONSISTENT WITH FLOW PROPERTIES**
[54] **PROCEDE D'EXPLOITATION D'UN RESERVOIR GEOLOGIQUE AU MOYEN D'UN MODELE DE RESERVOIR CALE ET COHERENT VIS A VIS DES PROPRIETES D'ECOULEMENT**
[72] LE RAVALEC, MICKAELE, FR
[72] PREUX, CHRISTOPHE, FR
[72] ENCHERY, GUILLAUME, FR
[72] LANGE, ARNAUD, FR
[73] IFP ENERGIES NOUVELLES, FR
[86] (2843677)
[87] (2843677)
[22] 2014-02-21
[30] FR (13/51.509) 2013-02-21

[11] **2,844,480**
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **REDUCED-PRESSURE CANISTERS HAVING HYDROPHOBIC PORES**
[54] **BOITES A PRESSION REDUITE AYANT DES PORES HYDROPHOBES**
[72] LOCKE, CHRISTOPHER BRIAN, GB
[72] ROBINSON, TIMOTHY MARK, GB
[72] JAEB, JONATHAN PAUL, US
[72] COULTHARD, RICHARD DANIEL JOHN, GB
[73] KCI LICENSING, INC., US
[85] 2014-02-06
[86] 2012-08-10 (PCT/US2012/050369)
[87] (WO2013/039623)
[30] US (61/534,232) 2011-09-13

[11] **2,844,829**
[13] C

[51] **Int.Cl. C07C 11/04 (2006.01) C07C 4/04 (2006.01) C07C 7/05 (2006.01) C10G 9/00 (2006.01) C10G 11/00 (2006.01) C10M 161/00 (2006.01)**
[25] EN
[54] **CIRCULATION AID FOR PRIMARY FRACTIONAL QUENCH LOOPS**
[54] **AIDE A LA CIRCULATION POUR BOUCLES DE TREMPE FRACTIONNELLE PRIMAIRES**
[72] MANEK, MARIA BEATA, US
[72] SHAH, MEHA H., US
[72] FRYE, DANIEL K., US
[73] NALCO COMPANY, US
[85] 2014-02-10
[86] 2012-10-05 (PCT/US2012/058835)
[87] (WO2013/058997)
[30] US (13/276,599) 2011-10-19

[11] **2,844,914**
[13] C

[51] **Int.Cl. A61N 1/06 (2006.01) A61B 18/14 (2006.01) A61N 1/05 (2006.01) A61N 1/32 (2006.01) A61B 18/00 (2006.01) A61M 25/00 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **DEVICE FOR ADMINISTERING A PULSED RADIOFREQUENCY THERAPY IN THE VASCULAR SYSTEM OR IN OTHER BODY CAVITIES OR TISSUES OF THE HUMAN OR ANIMAL BODY**
[54] **DISPOSITIF D'APPLICATION D'UNE THERAPIE PAR RADIOFREQUENCE PULSEE DANS LE SYSTEME VASCULAIRE OU D'AUTRES CAVITES CORPORELLES OU UN TISSU DU CORPS HUMAIN OU ANIMAL**
[72] OMAR-PASHA, OMAR, DE
[73] OMAR-PASHA, OMAR, DE
[85] 2014-02-11
[86] 2012-08-14 (PCT/EP2012/003463)
[87] (WO2013/026540)
[30] DE (10 2011 110 667.0) 2011-08-19

[11] **2,845,175**
[13] C

[51] **Int.Cl. A23L 27/20 (2016.01) A23L 27/00 (2016.01) A23P 10/20 (2016.01) A61K 8/34 (2006.01) A61Q 13/00 (2006.01) B01F 3/18 (2006.01) B01F 3/22 (2006.01) B01F 15/06 (2006.01) C07C 47/58 (2006.01) C11B 9/00 (2006.01)**
[25] FR
[54] **METHOD FOR PREPARING AN AROMATIC COMPOSITION INCLUDING A COMPOUND CONTAINING TWO SOLIDS HAVING ORGANOLEPTIC PROPERTIES**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION AROMATIQUE COMPRENANT UN COMPOSE A BASE DE DEUX SOLIDES PRESENTANT DES PROPRIETES ORGANOLEPTIQUES**
[72] LE-THIESSE, JEAN-CLAUDE, FR
[72] MASSON, JEAN-CLAUDE, FR
[72] COCHENNEC, CORINE, FR
[72] GIACOMONI, OLIVIER, FR
[73] RHODIA OPERATIONS, FR
[85] 2014-02-12
[86] 2012-08-07 (PCT/EP2012/065468)
[87] (WO2013/026699)
[30] FR (1157521) 2011-08-25

[11] **2,845,196**
[13] C

[51] **Int.Cl. C07D 211/70 (2006.01) C07D 401/04 (2006.01) C07F 9/24 (2006.01)**
[25] EN
[54] **IMPROVED PROCESS FOR PREPARING 2-[(2E)-2-FLUORO-2-(3-PIPERIDINYLDENE)ETHYL]-1H-ISOINDOLE-1,3(2H)-DIONE**
[54] **PROCEDE AMELIORE DE PREPARATION DE 2-[(2E)-2-FLUORO-2-(3-PIPERIDINYLDENE)ETHYL]-1H-ISOINDOLE-1,3(2H)-DIONE**
[72] LANG, YOLANDE LYDIA, BE
[72] DEPRE, DOMINIQUE PAUL MICHEL, BE
[73] JANSSEN PHARMACEUTICA NV, BE
[85] 2014-02-12
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[30] EP (11183477.6) 2011-09-30

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[54] **METHOD FOR DETECTING NUCLEOSOMES CONTAINING NUCLEOTIDES**
[54] **PROCEDE DE DETECTION DE NUCLEOSOMES CONTENANT DES NUCLEOTIDES**
[72] MICALLEF, JACOB VINCENT, GB
[73] BELGIAN VOLITION SPRL, BE
[85] 2014-02-20
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[30] GB (1115095.0) 2011-09-01
[30] US (61/530,295) 2011-09-01

[11] 2,845,994
[13] C

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[25] EN
[54] **METHOD FOR DETECTING NUCLEOSOMES CONTAINING HISTONE VARIANTS**
[54] **PROCEDE DE DETECTION DE NUCLEOSOMES CONTENANT DES VARIANTS D'HISTONES**
[72] MICALLEF, JACOB VINCENT, GB
[73] BELGIAN VOLITION SPRL, BE
[85] 2014-02-20
[86] 2012-08-31 (PCT/GB2012/052131)
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[30] US (61/530,304) 2011-09-01

[11] 2,846,228
[13] C

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[25] EN
[54] **IMPROVED SKIN PORT CONNECTOR AND METHOD OF INSTALLATION**
[54] **RACCORD AMELIORE D'ORIFICE DE PEAU ET SON PROCEDE D'INSTALLATION**
[72] WOJCIK, STEVEN E., US
[73] ASPIRE BARIATRICS, INC., US
[85] 2014-02-21
[86] 2012-08-23 (PCT/US2012/051995)
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[30] US (61/526,419) 2011-08-23

[11] 2,846,842
[13] C

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[25] EN
[54] **ASEPTIC DUCKBILL FLIP-CAP FITMENT FOR A COLLAPSIBLE CONTAINER**
[54] **CLOISON A CAPUCHON-PRESSION A BEC DE CANARD ASEPTIQUE POUR UN RECIPIENT PLIABLE**
[72] JOHNSON, JAMES, US
[73] LIQUI-BOX CORPORATION, US
[85] 2014-02-26
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[25] EN
[54] **AIR FILTRATION MEDIA FOR AIR PURIFICATION**
[54] **SUPPORT DE FILTRATION D'AIR POUR LA PURIFICATION DE L'AIR**
[72] HINGORANI, SANJEEV, US
[72] WOLOWICZ, THOMAS, US
[72] GREIST, HENRY, US
[73] LENNOX INDUSTRIES INC., US
[86] (2848697)
[87] (2848697)
[22] 2014-04-10
[30] US (13/919,383) 2013-06-17

[11] 2,848,707
[13] C

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[25] FR
[54] **SEMI-HOLLOW TIRE FOR AGRICULTURAL MACHINES, SPECIFICALLY FOR SOWING MACHINES**
[54] **PNEUMATIQUE SEMI-CREUX POUR MACHINES AGRICOLES, EN PARTICULIER POUR SEMOIRS**
[72] PHELLY, OLIVIER, FR
[72] PIOUS, DENIS, FR
[73] OTICO, FR
[86] (2848707)
[87] (2848707)
[22] 2014-04-09
[30] FR (13/53332) 2013-04-12

[11] 2,849,184
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[25] EN
[54] **LIPOSOME PRODUCTION USING ISOPROPANOL**
[54] **PRODUCTION DE LIPOSOME A L'AIDE D'ISOPROPANOL**
[72] DE KESEL, CARINE, BE
[72] MANCUSO, VINCENT, BE
[73] GLAXOSMITHKLINE BIOLOGICALS S.A., BE
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[13] C

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[25] EN
[54] **STIMULATION OF CARTILAGE FORMATION USING REDUCED PRESSURE TREATMENT**
[54] **STIMULATION DE REPARATION DE CARTILAGE UTILISANT UN TRAITEMENT SOUS PRESSION REDUITE**
[72] LESSING, MARCUS CHRISTIAN, US
[72] LEUNG, BRADEN K., US
[73] KCI LICENSING, INC., US
[85] 2014-04-02
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[54] **FLUORINE-18 AND CARBON-11
LABELED RADIOLIGANDS FOR
POSITRON EMISSION
TOMOGRAPHY (PET) IMAGING
FOR LRRK2**
[54] **RADIOLIGANDS MARQUES PAR
LE FLUOR 18 ET LE CARBONE 11
POUR UNE IMAGERIE PAR
TOMOGRAPHIE PAR EMISSION
DE POSITONS (PET) POUR LRRK2**
[72] CHAN, BRYAN K., US
[72] ESTRADA, ANTHONY, US
[72] MARIK, JAN, US
[72] SWEENEY, ZACHARY KEVIN, US
[73] GENENTECH, INC., US
[85] 2014-05-15
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DERIVATIVES**
[54] **DERIVES DE TRIAZINONE
INSECTICIDES**
[72] RENDLER, SEBASTIAN, CH
[72] SCHAETZER, JURGEN HARRY, CH
[72] HACHISU, SHUJI, GB
[72] MAIENFISCH, PETER, CH
[72] PITTERNA, THOMAS, CH
[72] JACOB, OLIVIER, CH
[72] CASSAYRE, JEROME YVES, CH
[73] SYNGENTA PARTICIPATIONS AG,
CH
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[25] EN
[54] **EXTENSIONAL VISCOSITY TO
PROMOTE SAFE SWALLOWING
OF FOOD BOLUSES**
[54] **VISCOSITE EXTENSIONNELLE
POUR FAVORISER LA BONNE
DEGLUTITION DES BOLS
ALIMENTAIRES**
[72] BURBIDGE, ADAM, CH
[72] ENGMANN, JAN, CH
[72] POPA NITA, SIMINA, CH
[73] SOCIETE DES PRODUITS NESTLE
S.A., CH
[85] 2014-06-06
[86] 2012-12-17 (PCT/EP2012/075695)
[87] (WO2013/087916)
[30] US (61/570,879) 2011-12-15

[11] **2,860,568**
[13] C

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[25] EN
[54] **APPARATUS AND METHOD FOR
LOW-TENSION RETRIEVAL OF
INSTRUMENTED MARINE
CABLES**
[54] **APPAREIL ET PROCEDE POUR
LA RECUPERATION A FAIBLE
TENSION DE CABLES MARINS
INSTRUMENTES**
[72] OLIVIER, ANDRE W., US
[73] ION GEOPHYSICAL
CORPORATION, US
[85] 2014-07-04
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[11] **2,860,632**
[13] C

[51] **Int.Cl. G06F 8/65 (2018.01) G06Q
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[25] EN
[54] **CONTEXTUAL SOLICITATION IN
A STARTER APPLICATION**
[54] **SOLLICITATION
CONTEXTUELLE DANS UNE
APPLICATION D'ESSAI**
[72] FARRELL, TERRY, US
[72] WOERKOM, NORBERT VAN, US
[72] MCQUILLAN, ROBERT, US
[72] MOWATT, DAVID, US
[72] KASSELMAN, PIETER, US
[73] MICROSOFT TECHNOLOGY
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[11] **2,860,657**
[13] C

[51] **Int.Cl. G06F 8/65 (2018.01) G06F 8/61
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[25] EN
[54] **INSTALLATION ENGINE AND
PACKAGE FORMAT FOR
PARALLELIZABLE, RELIABLE
INSTALLATIONS**
[54] **MOTEUR D'INSTALLATION ET
FORMAT DE PROGICIEL POUR
INSTALLATIONS FIABLES
POUVANT ETRE MISES EN
OEUVRE EN PARALLELE**
[72] HAUBOLD, JEREMY, US
[72] PACCIARINI, CLAUDIO, US
[73] MICROSOFT TECHNOLOGY
LICENSING, LLC, US
[85] 2014-07-04
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[13] C

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[54] **HAND-HELD DEVICE FOR ELECTRICALLY POWERED SKIN TREATMENT**
[54] **APPAREIL POUVANT ETRE TENU D'UNE SEULE MAIN, DESTINE A UN TRAITEMENT DERMATOLOGIQUE REPOSANT SUR L'UTILISATION D'ELECTRICITE**
[72] GIMELLI, BRUNO, DE
[72] DOYLE, JAMES N., JR., US
[73] SWISS SPA SYSTEM LTD., CN
[85] 2014-07-15
[86] 2013-01-16 (PCT/EP2013/000112)
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[11] **2,861,344**
[13] C

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **COMPLETIONS FLUID LOSS CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE DES PERTES DE FLUIDE DE COMPLETION**
[72] PATEL, DINESH R., US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2014-07-15
[86] 2013-01-16 (PCT/US2013/021671)
[87] (WO2013/109584)
[30] US (61/586,967) 2012-01-16
[30] US (61/586,959) 2012-01-16
[30] US (13/741,996) 2013-01-15

[11] **2,862,201**
[13] C

[51] **Int.Cl. A61K 8/49 (2006.01) A61Q 17/04 (2006.01)**
[25] EN
[54] **PHOTOPROTECTIVE SYSTEM COMPRISING A COMBINATION OF 3 OR 4 SOLAR FILTERS**
[54] **SYSTEME PHOTOPROTECTEUR COMPRENANT UNE COMBINAISON DE 3 OU 4 FILTRES SOLAIRES**
[72] PERIER, VALERIE, FR
[72] DROMIGNY, HELENE, FR
[73] PIERRE FABRE DERMO-COSMETIQUE, FR
[85] 2014-07-22
[86] 2013-01-30 (PCT/EP2013/051776)
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[30] FR (1250872) 2012-01-31

[11] **2,863,685**
[13] C

[51] **Int.Cl. A61K 51/04 (2006.01) A61K 31/519 (2006.01) A61K 31/7076 (2006.01)**
[25] EN
[54] **A METHOD OF USING ADENOSINE AND DIPYRIDAMOLE FOR PHARMACOLOGIC STRESS TESTING, WITH SPECIFIC COMPOSITIONS, UNIT DOSAGE FORMS AND KITS**
[54] **PROCEDE D'UTILISATION DE L'ADENOSINE ET DU DIPYRIDAMOLE DANS DES EPREUVES DE STRESS PHARMACOLOGIQUE, A L'AIDE DE COMPOSITIONS SPECIFIQUES, DE FORMES PHARMACEUTIQUES UNITAIRES ET DE TROUSSES**
[72] GORNY, PHILIPPE, FR
[73] ADENOBIO N.V., FR
[85] 2014-08-01
[86] 2013-01-29 (PCT/IB2013/000332)
[87] (WO2013/114204)
[30] US (61/594,744) 2012-02-03
[30] US (61/658,025) 2012-06-11
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[11] **2,863,735**
[13] C

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[25] EN
[54] **METHOD FOR PRETREATING CELLULOSE PULP**
[54] **PROCEDE DE PRETRAITEMENT DE PATE CELLULOSIQUE**
[72] NUOPPONEN, MARKUS, FI
[72] OSTERBERG, MONIKA, FI
[72] LAINE, JANNE, FI
[72] PERE, JAAKKO, FI
[73] UPM-KYMMENE CORPORATION, FI
[85] 2014-08-04
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[13] C

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[54] **CENTRIFUGEUSE**
[72] NASH, JOHN E., US
[72] FISHER, WILLIAM T., US
[72] EVANS, DOUGLAS G., US
[73] DSM IP ASSETS B.V., NL
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[87] (WO2013/123216)
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[54] **AMINOMETHYLENE PYRAZOLONES WITH THERAPEUTIC ACTIVITY.**

[54] **PYRAZOLONES AMINOMETHYLENE A ACTIVITE THERAPEUTIQUE.**

[72] VAN HOOIJ, ONNO, NL

[72] SCHALKEN, JACOBUS ANTONIUS, NL

[72] VIETOR, HENDRIK ENGELBERTUS, NL

[72] PIET, DENNIS PATRICK, NL

[72] MAAS, PETRUS EMMANUEL MARIE, NL

[72] TIJHUIS, JOHANN HEINRICH, NL

[72] DEERENBERG, SIRIK, NL

[72] SPRENKELS, NANDA ELISABETH, NL

[72] TANG, SIU HA, NL

[73] COMPOUND HANDLING B.V., NL

[73] STICHTING KATHOLIEKE UNIVERSITEIT, NL

[85] 2014-08-19

[86] 2013-03-05 (PCT/EP2013/054449)

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[30] EP (12158253.0) 2012-03-06

[30] EP (12183784.3) 2012-09-10

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[13] C

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[25] EN

[54] **COMPOSITIONS AND METHODS FOR IN VITRO DIAGNOSTIC TESTS INCLUDING SULFONIC ACID**

[54] **COMPOSITIONS ET PROCEDES POUR TESTS DE DIAGNOSTIC IN VITRO COMPORTANT DE L'ACIDE SULFONIQUE**

[72] OPPERMAN, GARY, US

[72] NELSON, WENDY, US

[73] SURMODICS IVD, INC., US

[85] 2014-08-21

[86] 2013-03-22 (PCT/US2013/033429)

[87] (WO2013/142758)

[30] US (61/614,602) 2012-03-23

[11] **2,866,257**
[13] C

[51] **Int.Cl. E21B 43/22 (2006.01) E21B 43/16 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DELIVERING TREATMENT FLUID**

[54] **SYSTEME ET PROCEDE POUR DISTRIBUER UN FLUIDE DE TRAITEMENT**

[72] SHAMPINE, ROD, US

[72] LEUGEMORS, EDWARD, US

[72] LESKO, TIMOTHY M., US

[73] SCHLUMBERGER CANADA LIMITED, CA

[85] 2014-09-03

[86] 2013-03-08 (PCT/US2013/029833)

[87] (WO2013/134624)

[30] US (13/415,025) 2012-03-08

[11] **2,866,379**
[13] C

[51] **Int.Cl. G01N 33/53 (2006.01) G01N 33/543 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR DETECTING MULTIPLE ANALYTES WITH A SINGLE SIGNAL**

[54] **PROCEDES ET COMPOSITIONS POUR DETECTER DE MULTIPLES ANALYTES AVEC UN SEUL SIGNAL**

[72] SICILIANO, NICHOLAS, US

[72] LEONG, LOUIS, US

[72] KEOUGH, MARTIN PATRICK, US

[72] BROWN, ASHLEY SHANIECE, US

[73] INVISIBLE SENTINEL, INC., US

[85] 2014-09-04

[86] 2013-03-07 (PCT/US2013/029603)

[87] (WO2013/134503)

[30] US (61/608,774) 2012-03-09

[11] **2,866,799**
[13] C

[51] **Int.Cl. A01B 73/02 (2006.01) A01C 7/08 (2006.01)**

[25] EN

[54] **PIVOTALLY RETRACTABLE SEED PLANTING APPARATUS AND METHOD**

[54] **APPAREIL ET PROCEDE DE PLANTATION DE SEMENCES RETRACTABLE PAR PIVOTEMENT**

[72] AUDETTE, PATRICK, CA

[73] INDUSTRIE AULARI INC., CA

[85] 2014-07-25

[86] 2013-01-25 (PCT/CA2013/000072)

[87] (WO2013/110184)

[30] US (61/590,359) 2012-01-25

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[13] C

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[25] EN

[54] **IONIC COMPOUNDS HAVING A SILYLOXY GROUP**

[54] **COMPOSES IONIQUES COMPORTANT UN GROUPE SILYLOXY**

[72] KOZELJ, MATJAZ, SI

[72] GUERFI, ABDELBAST, CA

[72] TROTTIER, JULIE, CA

[72] ZAGHIB, KARIM, CA

[73] HYDRO-QUEBEC, CA

[85] 2014-09-17

[86] 2013-04-05 (PCT/CA2013/050277)

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[30] CA (2,776,178) 2012-04-05

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[25] EN
[54] **ANTI-FCRN ANTIBODIES**
[54] **ANTICORPS ANTI-FCRN**
[72] FINNEY, HELENE MARGARET, GB
[72] LAWSON, ALASTAIR DAVID GRIFFITHS, GB
[72] SHAW, STEVAN GRAHAM, GB
[72] SMITH, BRYAN JOHN, GB
[72] TYSON, KERRY LOUISE, GB
[72] KEVORKIAN, LARA, GB
[72] MEIER, CHRISTOPH, GB
[72] SARKAR, KAUSHIK, GB
[72] ATHERFOLD, PAUL ALAN, GB
[73] UCB BIOPHARMA SRL, BE
[85] 2014-10-31
[86] 2013-05-13 (PCT/EP2013/059802)
[87] (WO2014/019727)
[30] GB (1208370.5) 2012-05-14

[11] **2,872,328**
[13] C
[51] **Int.Cl. C07K 16/24 (2006.01) C12N 15/70 (2006.01)**
[25] EN
[54] **RECOMBINANT BACTERIAL HOST CELL FOR PROTEIN EXPRESSION**
[54] **CELLULE HOTE BACTERIENNE RECOMBINEE POUR L'EXPRESSION D'UNE PROTEINE**
[72] BASSETT, PHILIP JONATHAN, GB
[72] HUMPHREYS, DAVID PAUL, GB
[72] PATEL, PARESHKUMAR MANJIBHAI, GB
[73] UCB PHARMA S.A., BE
[85] 2014-10-31
[86] 2013-05-13 (PCT/EP2013/059803)
[87] (WO2013/171156)
[30] GB (1208367.1) 2012-05-14

[11] **2,874,303**
[13] C
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4427 (2006.01) A61P 29/00 (2006.01) C07D 235/12 (2006.01)**
[25] EN
[54] **TNF -ALPHA MODULATING BENZIMIDAZOLES**
[54] **BENZIMIDAZOLES MODULANT L'ACTIVITE TNF -ALPHA**
[72] BROOKINGS, DANIEL CHRISTOPHER, GB
[72] CALMIANO, MARK DANIEL, GB
[72] GALLIMORE, ELLEN OLIVIA, GB
[72] HORSLEY, HELEN TRACEY, GB
[72] HUTCHINGS, MARTIN CLIVE, GB
[72] JOHNSON, JAMES ANDREW, GB
[72] KROEPLIEN, BORIS, GB
[72] LECOMTE, FABIEN CLAUDE, GB
[72] LOWE, MARTIN ALEXANDER, GB
[72] NORMAN, TIMOTHY, JOHN, GB
[72] PORTER, JOHN ROBERT, GB
[72] QUINCEY, JOANNA RACHEL, GB
[72] REUBERSON, JAMES THOMAS, GB
[72] SELBY, MATTHEW DUNCAN, GB
[72] SHAW, MICHAEL ALAN, GB
[72] ZHU, ZHAONING, GB
[72] FOLEY, ANNE MARIE, GB
[73] UCB BIOPHARMA SRL, BE
[85] 2014-11-20
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[30] GB (1221983.8) 2012-12-06

[11] **2,874,710**
[13] C
[51] **Int.Cl. A23D 9/02 (2006.01) A23L 33/115 (2016.01) A23D 9/007 (2006.01) C11B 1/10 (2006.01) C11B 3/00 (2006.01) C11B 3/12 (2006.01) C11B 3/14 (2006.01) C11B 7/00 (2006.01) C11C 1/10 (2006.01) C11C 3/00 (2006.01) C11C 3/10 (2006.01) C12N 1/12 (2006.01) C12P 5/02 (2006.01) C12P 7/64 (2006.01)**
[25] FR
[54] **METHOD FOR CONTINUOUSLY ENRICHING AN OIL PRODUCED BY MICROALGAE WITH ETHYL ESTERS OF DHA**
[54] **PROCEDE CONTINU D'ENRICHISSEMENT EN ESTERS ETHYLIQUES DE DHA D'UNE HUILE PRODUITE PAR DES MICROALGUES**
[72] PATINIER, SAMUEL, FR
[72] LOOTEN, PHILIPPE, FR
[73] ROQUETTE FRERES, FR
[85] 2014-11-25
[86] 2013-05-28 (PCT/FR2013/051186)
[87] (WO2013/178936)
[30] FR (1254942) 2012-05-29

[11] **2,874,898**
[13] C
[51] **Int.Cl. A61K 8/86 (2006.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **SUNSCREEN COMPOSITIONS COMPRISING A CHROMOPHORE-FUNCTIONALIZED POLYEHTER, AN ANIONIC EMULSIFIER, AND A NON-IONIC EMULSIFIER**
[54] **COMPOSITIONS D'ECRAN SOLAIRE RENFERMANT UN POLYETHER FONCTIONNALISE AU CHROMOPHORE, UN EMULSIFIANT ANIONIQUE ET UN EMULSIFIANT NON IONIQUE**
[72] DALY, SUSAN, US
[73] JOHNSON & JOHNSON CONSUMER COMPANIES, INC., US
[85] 2014-11-26
[86] 2013-06-25 (PCT/US2013/047575)
[87] (WO2014/004477)
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[13] C

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[25] FR
[54] **PALATABLE ORAL VETERINARY COMPOSITIONS**
[54] **COMPOSITIONS VETERINAIRES ORALES APPETENTES**
[72] GUIMBERTEAU, FLORENCE, FR
[72] PEYROT, LAURENCE, FR
[73] CEVA SANTE ANIMALE, FR
[85] 2014-11-26
[86] 2013-06-01 (PCT/EP2013/061332)
[87] (WO2013/178817)
[30] FR (1255122) 2012-06-01

[11] **2,875,822**
[13] C

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[25] EN
[54] **METHOD FOR PREVENTING FLEA ALLERGY DERMATITIS IN COMPANION ANIMALS**
[54] **PROCEDES DE PREVENTION DE DERMATITE ALLERGIQUE AUX PIQURES DE PUCES CHEZ LES ANIMAUX DE COMPAGNIE**
[72] NOUVEL, LARRY, US
[73] SERGEANT'S PET CARE PRODUCTS, INC., US
[85] 2014-12-04
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[30] US (13/490,213) 2012-06-06

[11] **2,876,044**
[13] C

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[25] EN
[54] **ADJUSTABLE CONDUCTIVE BRUSH ASSEMBLY FOR CLEANING METALS**
[54] **ENSEMBLE BROSSE CONDUCTRICE REGLABLE POUR LE NETTOYAGE DE METAUX**
[72] WHITE, CLIVE STUART, AU
[72] FISCHER, MARK ROBERT, AU
[73] ENSITECH IP PTY LTD, AU
[85] 2014-12-08
[86] 2013-06-07 (PCT/AU2013/000612)
[87] (WO2013/181715)
[30] AU (2012902410) 2012-06-08

[11] **2,876,262**
[13] C

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[25] EN
[54] **ELECTRODE UNIT FOR AN ELECTROCHEMICAL DEVICE**
[54] **ENSEMBLE D'ELECTRODES POUR DISPOSITIF ELECTROCHIMIQUE**
[72] HUBER, GUNTHER, DE
[72] ZERPA UNDA, JESUS ENRIQUE, DE
[72] LUTZ, MICHAEL, DE
[72] HEIDEBRECHT, PETER, DE
[72] BAYER, DOMNIK, BW
[72] JABCZYNSKI, WOLFGANG, DE
[72] DURR, ANNA KATHARINA, DE
[72] FREITAG, KATRIN, DE
[73] BASF SE, DE
[85] 2014-12-10
[86] 2013-06-11 (PCT/EP2013/062034)
[87] (WO2013/186213)
[30] EP (12171490.1) 2012-06-11
[30] US (61/657,915) 2012-06-11

[11] **2,877,312**
[13] C

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[25] EN
[54] **IN-LINE PRESSURE-BASED FLOW METER**
[54] **DEBITMETRE BASE SUR LA PRESSION DANS LA CONDUITE**
[72] SHYY, YUH-YUAN, US
[72] MISRA, MANJIT, US
[73] M&S FLOWMATICS INCORPORATED, US
[85] 2014-12-18
[86] 2013-06-21 (PCT/US2013/046945)
[87] (WO2013/192478)
[30] US (61/662,692) 2012-06-21

[11] **2,877,842**
[13] C

- [51] **Int.Cl. H04L 12/841 (2013.01)**
[25] EN
[54] **DELAY-BASED TRAFFIC RATE CONTROL IN NETWORKS WITH CENTRAL CONTROLLERS**
[54] **CONTROLE D'INTENSITE DE TRAFIC SUR LA BASE DE RETARD DANS DES RESEAUX A CONTROLEURS CENTRAUX**
[72] BEHESHTI-ZAVAREH, NEDA, US
[72] HALPERN, JOEL, US
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
[85] 2014-12-23
[86] 2013-07-09 (PCT/IB2013/055597)
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[30] US (61/669,943) 2012-07-10
[30] US (13/678,396) 2012-11-15

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[13] C

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[25] FR
[54] **DEVICE FOR SPRAYING A DYE PENETRATION INSPECTION PRODUCT ONTO A COMPONENT**
[54] **DISPOSITIF DE PULVERISATION D'UN PRODUIT DE RESSUAGE SUR UNE PIECE**
[72] MILLIOT, JOSIANE, FR
[72] CHUCHERKO, YVES, FR
[72] PHILIPPE, JEAN-MICHEL, FR
[73] SNECMA, FR
[85] 2015-01-06
[86] 2013-06-28 (PCT/FR2013/051530)
[87] (WO2014/009629)
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[13] C

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[25] EN
[54] **SOFT ABSORBENT SANDWICH WEB COMPRISING HIGH CONCENTRATIONS OF SUPERABSORBENT MATERIAL, CELLULOSIC FIBERS AND SURFACE APPLIED BINDER**
[54] **BANDE INTERCALAIRE ABSORBANTE DOUCE COMPRENANT DES CONCENTRATIONS ELEVEES DE MATERIAU SUPERABSORBANT, DES FIBRES CELLULOSIQUES ET UN LIANT APPLIQUE EN SURFACE**
[72] EHKME, RALF, DE
[72] ROTTGER, HENNING, DE
[72] VOLKMER, RENO, DE
[73] GLATFELTER FALKENHAGEN GMBH, DE
[85] 2015-01-09
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[87] (WO2014/009506)
[30] GB (1212459.0) 2012-07-13

[11] **2,879,050**
[13] C

[51] **Int.Cl. A47K 1/02 (2006.01) A47K 5/12 (2006.01) A47K 10/48 (2006.01) B61D 35/00 (2006.01) B63B 29/14 (2006.01) B64D 11/02 (2006.01) E03C 1/12 (2006.01)**
[25] EN
[54] **MULTI-PURPOSE HAND WASHING STATION**
[54] **POSTE DE LAVAGE DES MAINS A USAGES MULTIPLES**
[72] FIGURSKI, MARK A., US
[72] RUNDBERG, MICHELLE L., US
[72] LOBERGER, JOHN M., US
[72] MCCALLUM, TERRY LEE, US
[72] GALLMANN, DALE WILLIAM, US
[72] RENNER, JASON M., US
[72] JAWORSKI, JEFFERY S., US
[72] DHEIN, THEODORE E., US
[73] BRADLEY FIXTURES CORPORATION, US
[85] 2015-01-13
[86] 2013-03-14 (PCT/US2013/031162)
[87] (WO2014/031159)
[30] US (61/692,982) 2012-08-24

[11] **2,879,079**
[13] C

[51] **Int.Cl. C08K 5/00 (2006.01) C08F 255/00 (2006.01)**
[25] EN
[54] **CROSS-LINKABLE POLYMERIC COMPOSITIONS, METHODS FOR MAKING THE SAME, AND ARTICLES MADE THEREFROM**
[54] **COMPOSITIONS POLYMERES RETICULABLES, LEURS PROCEDES DE FABRICATION ET ARTICLES FORMES A PARTIR DE CELLES-CI**
[72] SUN, YABIN, CN
[72] PERSON, TIMOTHY J., US
[72] COGEN, JEFFREY M., US
[72] ZHU, LU, CN
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2015-01-14
[86] 2013-09-11 (PCT/CN2013/083289)
[87] (WO2014/040532)
[30] CN (PCT/CN2012/081275) 2012-09-12

[11] **2,880,056**
[13] C

[51] **Int.Cl. H04B 7/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSMITTING CONTROL CHANNEL IN INTRA-CELL CARRIER AGGREGATION SYSTEM**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION DE CANAL DE COMMANDE DANS UN SYSTEME D'AGREGATION DE PORTEUSES INTRACELLULAIRE**
[72] CHOI, SEUNGHOO, KR
[72] CHO, JOONYOUNG, KR
[72] KIM, YOUNGBUM, KR
[72] JI, HYOUNGJU, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2015-01-23
[86] 2013-07-25 (PCT/KR2013/006685)
[87] (WO2014/017854)
[30] KR (10-2012-0081428) 2012-07-25
[30] KR (10-2013-0014018) 2013-02-07

[11] **2,880,156**
[13] C

[51] **Int.Cl. A61M 5/168 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **PATIENT CARE SYSTEM FOR CRITICAL MEDICATIONS**
[54] **SYSTEME DE SOINS DE PATIENTS POUR MEDICATION CRITIQUE**
[72] DAY, WILLIAM K., US
[73] ICU MEDICAL, INC., US
[85] 2015-01-27
[86] 2013-07-31 (PCT/US2013/052937)
[87] (WO2014/022513)
[30] US (61/677,736) 2012-07-31
[30] US (13/955,121) 2013-07-31

[11] **2,880,220**
[13] C

[51] **Int.Cl. A61B 34/30 (2016.01)**
[25] EN
[54] **ROBOTIC SURGICAL DEVICES, SYSTEMS AND RELATED METHODS**
[54] **DISPOSITIFS CHIRURGICAUX ROBOTIQUES, SYSTEMES ET PROCEDES APPARENTES**
[72] FARRITOR, SHANE, US
[72] MUMM, ERIK, US
[72] CHU, PHILIP, US
[72] KUMAR, NISHANT, US
[72] DUMPERT, JASON, US
[72] TSUTANO, YUTAKA, US
[73] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US
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[25] EN
[54] **MODIFIED ETHYLENE-BASED
POLYMER COMPOSITIONS AND
METHODS OF THEIR
PRODUCTION**
[54] **COMPOSITIONS POLYMERIQUES
A BASE D'ETHYLENE MODIFIE
ET PROCEDES DE PRODUCTION**
[72] ZHOU, HUAJUN, US
[72] KMIEC, CHESTER J., US
[73] DOW GLOBAL TECHNOLOGIES
LLC, US
[85] 2015-01-27
[86] 2013-09-12 (PCT/US2013/059385)
[87] (WO2014/052017)
[30] US (61/705,348) 2012-09-25

[11] **2,880,552**
[13] C

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71/08 (2006.01)**
[25] EN
[54] **ATTACHMENT APPARATUS
USABLE IN CIRCUIT
INTERRUPTER ENVIRONMENT
AND STRUCTURED TO CONNECT
A RING TERMINAL TO THE
CIRCUIT INTERRUPTER**
[54] **APPAREIL DE FIXATION CONCU
POUR ETRE UTILISE DANS UN
ENVIRONNEMENT
D'INTERRUPTEUR DE CIRCUIT
ET STRUCTURE DE FACON A
CONNECTER UNE COSSE A
□ILLET A L'INTERRUPTEUR DE
CIRCUIT**
[72] EBERTS, WILLIAM GEORGE, US
[72] KOLBERG, KENNETH D., US
[73] EATON INTELLIGENT POWER
LIMITED, IE
[85] 2015-01-29
[86] 2013-08-09 (PCT/US2013/054321)
[87] (WO2014/062283)
[30] US (13/655,932) 2012-10-19

[11] **2,880,626**
[13] C

[51] **Int.Cl. E04G 11/48 (2006.01) E04G
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[25] EN
[54] **FORMWORK SUPPORT
ELEMENT**
[54] **ELEMENT DE SUPPORT DE
COFFRAGE**
[72] ROSATI, EMILIO, AU
[73] FORM 700 PTY LTD, AU
[85] 2015-01-30
[86] 2013-08-02 (PCT/AU2013/000855)
[87] (WO2014/019029)
[30] AU (2012903312) 2012-08-02

[11] **2,881,045**
[13] C

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(2006.01) C07D 261/20 (2006.01)**
[25] EN
[54] **FUSED BICYCLIC SULFAMOYL
DERIVATIVES AND THE USE
THEREOF AS MEDICAMENTS
FOR THE TREATMENT OF
HEPATITIS B.**
[54] **DERIVES DE SULFAMOYLE
BICYCLIQUES FUSIONNES ET
LEUR UTILISATION EN TANT
QUE MEDICAMENTS POUR LE
TRAITEMENT DE L'HEPATITE B**
[72] VANDYCK, KOEN, BE
[72] VERSCHUEREN, WIM GASTON, BE
[72] RABOISSON, PIERRE JEAN-MARIE
BERNARD, BE
[73] JANSSEN SCIENCES IRELAND UC,
IE
[85] 2015-02-04
[86] 2013-08-28 (PCT/EP2013/067814)
[87] (WO2014/033167)
[30] EP (12182078.1) 2012-08-28

[11] **2,881,982**
[13] C

[51] **Int.Cl. F41A 35/00 (2006.01) F41A
21/24 (2006.01) F41C 27/00 (2006.01)
F41G 1/16 (2006.01) F41G 1/38
(2006.01) F41G 1/40 (2006.01) F41G
11/00 (2006.01) H01R 13/04 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR
POWERING AND NETWORKING
A RAIL OF A FIREARM**
[54] **APPAREIL ET PROCEDE
PERMETTANT D'ACTIONNER ET
DE MAILLER UN RAIL D'UNE
ARME A FEU**
[72] COMPTON, DAVID WALTER, CA
[72] TEED, BRENTON STEWART, CA
[73] COLT CANADA IP HOLDING
PARTNERSHIP, CA
[85] 2015-02-13
[86] 2013-08-01 (PCT/CA2013/050598)
[87] (WO2014/026278)
[30] US (61/684,062) 2012-08-16

[11] **2,882,135**
[13] C

[51] **Int.Cl. C10M 145/12 (2006.01) C10M
145/16 (2006.01) C10M 169/04
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[25] EN
[54] **LUBRICATING COMPOSITION
INCLUDING ESTERIFIED
COPOLYMER AND METHOD**
[54] **COMPOSITION LUBRIFIANTE
CONTENANT UN COPOLYMER
ESTERIFIE ET PROCEDE
AFFERENT**
[72] BARTON, WILLIAM R.S., GB
[73] THE LUBRIZOL CORPORATION, US
[85] 2015-02-13
[86] 2013-08-14 (PCT/US2013/054865)
[87] (WO2014/031402)
[30] US (61/684,876) 2012-08-20

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[13] C

[51] **Int.Cl. C22B 9/05 (2006.01) C23C 2/00 (2006.01) F27D 3/14 (2006.01)**

[25] EN

[54] **IMPROVED BUBBLE PUMP RESISTANT TO ATTACK BY MOLTEN ALUMINUM**

[54] **POMPE A BULLES PERFECTIONNEE RESISTANT A UNE ATTAQUE PAR DE L'ALUMINIUM FONDU**

[72] LEE, YONG M., US

[72] COSTINO, JAMES M., US

[72] KOMAROVSKIY, IGOR, US

[72] CAP, JEROME S., US

[72] SHASTRY, C. RAMADEVA, US

[73] ARCELORMITTAL INVESTIGACION Y DESARROLLO S.L., ES

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[86] 2013-04-12 (PCT/US2013/036500)

[87] (WO2013/155497)

[30] US (61/624,042) 2012-04-13

[11] **2,882,618**
[13] C

[51] **Int.Cl. A61J 7/00 (2006.01) B65B 5/10 (2006.01) B65B 39/00 (2006.01) B65B 39/14 (2006.01) B65B 59/04 (2006.01) B65B 65/06 (2006.01) B65B 65/08 (2006.01)**

[25] EN

[54] **AN APPARATUS FOR PACKAGING DOSED QUANTITIES OF SOLID DRUG PORTIONS**

[54] **APPAREIL D'EMBALLAGE QUANTITES DOSEES DE PORTIONS DE MEDICAMENT SOLIDE**

[72] LOCKERS, EDDY R., NL

[72] VAN DE KOOT, JOHN, NL

[73] BD SWITZERLAND SARL, CH

[85] 2015-02-20

[86] 2013-08-23 (PCT/EP2013/067523)

[87] (WO2014/033059)

[30] EP (12182632.5) 2012-08-31

[11] **2,882,838**
[13] C

[51] **Int.Cl. E02F 3/40 (2006.01) E02F 9/28 (2006.01)**

[25] EN

[54] **BUCKET CORNER, GROUND ENGAGING TOOL AND MUTUAL MECHANICAL ATTACHMENT THEREOF**

[54] **COIN DE GODET, OUTIL D'ENGAGEMENT AVEC LE SOL ET SA FIXATION MECANIQUE MUTUELLE**

[72] DALLARD, BRADLEY JOHN, AU

[72] KARLSSON, BJORN MARTEN, AU

[72] SMEATON, BENJAMIN EDWARD, AU

[72] ROGOZINSKI, KAMIL, AU

[73] SANDVIK INTELLECTUAL PROPERTY AB, SE

[85] 2015-02-24

[86] 2013-09-04 (PCT/IB2013/001899)

[87] (WO2014/037781)

[30] AU (2012903828) 2012-09-04

[30] AU (2013901488) 2013-04-29

[11] **2,882,872**
[13] C

[51] **Int.Cl. E02F 9/28 (2006.01)**

[25] EN

[54] **GROUND ENGAGING TOOL MECHANICAL ATTACHMENT**

[54] **FIXATION MECANIQUE D'OUTIL D'ENGAGEMENT AVEC LE SOL**

[72] DALLARD, BRADLEY JOHN, AU

[72] KARLSSON, BJORN MARTEN, AU

[72] SMEATON, BENJAMIN EDWARD, AU

[72] ROGOZINSKI, KAMIL, AU

[73] SANDVIK INTELLECTUAL PROPERTY AB, SE

[85] 2015-02-24

[86] 2013-09-04 (PCT/IB2013/001897)

[87] (WO2014/037780)

[30] AU (2012903830) 2012-09-04

[30] AU (2013901490) 2013-04-29

[11] **2,882,983**
[13] C

[51] **Int.Cl. E04F 13/21 (2006.01) E04F 13/22 (2006.01)**

[25] EN

[54] **FRONT ADJUSTABLE WALL PANEL MOUNTING DEVICE**

[54] **DISPOSITIF DE MONTAGE DE PANNEAU MURAL REGLABLE A L'AVANT**

[72] DURANLEAU, ANDRE, US

[73] ACCULIGN HOLDINGS, INC., US

[85] 2015-02-24

[86] 2013-08-28 (PCT/US2013/057021)

[87] (WO2014/036104)

[30] US (61/694,713) 2012-08-29

[30] US (61/805,470) 2013-03-26

[11] **2,883,399**
[13] C

[51] **Int.Cl. A61L 12/08 (2006.01) A61L 12/14 (2006.01)**

[25] EN

[54] **MINIMIZING BIOLOGICAL LIPID DEPOSITS ON CONTACT LENSES**

[54] **REDUCTION AU MINIMUM DE DEPOTS LIPIDIQUES BIOLOGIQUES SUR DES LENTILLES DE CONTACT**

[72] LIU, X. MICHAEL, US

[72] CHINN, JOSEPH A., US

[72] GROBE, GEORGE L., US

[72] MAZIARZ, E. PETER, US

[73] BAUSCH & LOMB INCORPORATED, US

[85] 2015-02-26

[86] 2013-09-24 (PCT/US2013/061416)

[87] (WO2014/058613)

[30] US (61/710,980) 2012-10-08

[11] **2,883,438**
[13] C

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/22 (2006.01) A61B 17/32 (2006.01)**

[25] EN

[54] **DEVICES AND METHODS FACILITATING SLEEVE GASTRECTOMY PROCEDURES**

[54] **DISPOSITIFS ET PROCEDES FACILITANT DES INTERVENTIONS DE GASTRECTOMIE LONGITUDINALE**

[72] TRIVEDI, M.D. AMIT, US

[73] COVIDIEN LP, US

[85] 2015-02-26

[86] 2013-10-17 (PCT/US2013/065368)

[87] (WO2014/062881)

[30] US (61/719,109) 2012-10-19

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[11] **2,883,556**
[13] C

[51] **Int.Cl. A61C 13/00 (2006.01) A61C 19/04 (2006.01)**
[25] EN
[54] **AN IMPROVED VIRTUAL SPLINT**
[54] **ATTELLE VIRTUELLE AMELIOREE**
[72] WOUTERS, VEERLE, BE
[72] MOLLEMANS, WOUTER, BE
[72] SCHUTYSER, FILIP, BE
[72] KUNZ, PASCAL, CH
[73] NOBEL BIOCARE SERVICES AG, CH
[85] 2015-03-02
[86] 2013-08-26 (PCT/EP2013/002556)
[87] (WO2014/040696)
[30] GB (GB1216224.4) 2012-09-12

[11] **2,884,425**
[13] C

[51] **Int.Cl. C08J 9/00 (2006.01) B29C 44/34 (2006.01) C08J 9/12 (2006.01)**
[25] EN
[54] **NANOCELLULAR THERMOPLASTIC FOAM AND PROCESS FOR MAKING THE SAME**
[54] **MOUSSE THERMOPLASTIQUE NANOCELLULAIRE ET PROCEDE DE FABRICATION DE CELLE-CI**
[72] ZHU, LINGBO, US
[72] COSTEUX, STEPHANE, US
[72] PATANKAR, KSHITISH A., US
[72] MOORE, JONATHAN D., US
[73] DDP SPECIALTY ELECTRONIC MATERIALS US, INC., US
[85] 2015-03-09
[86] 2013-09-13 (PCT/US2013/059570)
[87] (WO2014/052032)
[30] US (61/705,267) 2012-09-25

[11] **2,884,448**
[13] C

[51] **Int.Cl. F16K 31/524 (2006.01)**
[25] EN
[54] **FLUID CONTROL VALVE HAVING AN ADJUSTABLE VALVE STEM AND PISTON ASSEMBLY**
[54] **VANNE DE REGULATION DE FLUIDE AVEC UN ENSEMBLE TIGE ET PISTON DE VANNE REGLABLE**
[72] ANAGNOS, RICHARD JAMES, US
[72] DAY, PAUL A., US
[72] SOULIERE, ERNEST, US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2015-03-06
[86] 2013-09-25 (PCT/US2013/061523)
[87] (WO2014/052350)
[30] US (13/627,736) 2012-09-26

[11] **2,884,489**
[13] C

[51] **Int.Cl. F16D 35/00 (2006.01) F16D 48/02 (2006.01)**
[25] EN
[54] **VISCOUS CLUTCH WITH RETURN BORE THROUGH ROTOR**
[54] **EMBAYAGE VISQUEUX AVEC ALESAGE DE RETOUR DE FLUIDE A TRAVERS LE ROTOR**
[72] SCHMIDT, THOMAS, US
[72] BRAND, BASTIAN, DE
[72] MILLER, SCOTT, US
[73] HORTON, INC., US
[85] 2015-03-10
[86] 2013-09-20 (PCT/US2013/060889)
[87] (WO2014/047430)
[30] US (61/704,457) 2012-09-22

[11] **2,885,612**
[13] C

[51] **Int.Cl. F16K 1/36 (2006.01) F16K 1/48 (2006.01) F16K 1/50 (2006.01)**
[25] EN
[54] **SLAM SHUT SAFETY DEVICE HAVING DISC ANTI-ROTATION**
[54] **DISPOSITIF DE SECURITE A FERMETURE RAPIDE ET ANTI-ROTATION DE DISQUE**
[72] SANDERS, JEFFREY MICHAEL, US
[72] NGUYEN, TUNG KIM, US
[72] MOLDOVAN, CRISTIAN-TIBERIU, RO
[72] ALEXANDRU-VLAD, ROMAN, RO
[72] MOLDOVAN, TIBERIU, RO
[73] EMERSON PROCESS MANAGEMENT REGULATORY TECHNOLOGIES, INC., US
[85] 2015-03-18
[86] 2013-09-26 (PCT/US2013/061807)
[87] (WO2014/052522)
[30] US (61/706,585) 2012-09-27

[11] **2,887,040**
[13] C

[51] **Int.Cl. A23D 9/00 (2006.01)**
[25] EN
[54] **TRIGLYCERIDE BASED, LOW VISCOSITY, HIGH FLASH POINT DIELECTRIC FLUIDS**
[54] **FLUIDES DIELECTRIQUES A BASE DE TRIGLYCERIDES, CARACTERISES PAR UNE FAIBLE VISCOSITE ET UN POINT D'ECLAIR ELEVE**
[72] NAIR, SREEJIT A., IN
[72] GUPTA, KAUSTUBH S., IN
[72] LIN, THOMAS S., US
[72] COGEN, JEFFREY M., US
[72] CHAUDHARY, BHARAT I., US
[72] FLORY, ANNY L., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2015-04-07
[86] 2013-09-17 (PCT/US2013/060042)
[87] (WO2014/062327)
[30] IN (PCT/IN2012/000691) 2012-10-18

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[13] C

[51] **Int.Cl. A23D 9/00 (2006.01)**
[25] EN
[54] **NON-OLEIC TRIGLYCERIDE BASED, LOW VISCOSITY, HIGH FLASH POINT DIELECTRIC FLUIDS**
[54] **FLUIDES DIELECTRIQUES A BASE DE TRIGLYCERIDES NON OLEIQUES, CARACTERISES PAR UNE FAIBLE VISCOSITE ET UN POINT D'ECLAIR ELEVE**
[72] NAIR, SREEJIT A., IN
[72] GUPTE, KAUSTUBH S., IN
[72] LIN, THOMAS S., US
[72] COGEN, JEFFREY M., US
[72] CHAUDHARY, BHARAT I., US
[72] FLORY, ANNY L., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2015-04-07
[86] 2013-09-17 (PCT/US2013/060050)
[87] (WO2014/062328)
[30] IN (PCT/IN2012/000692) 2012-10-18

[11] **2,887,677**
[13] C

[51] **Int.Cl. B32B 5/10 (2006.01) B32B 1/08 (2006.01) B32B 5/26 (2006.01) F16L 55/165 (2006.01)**
[25] EN
[54] **LINER FOR REINFORCING A PIPE AND METHOD OF MAKING THE SAME**
[54] **REVELEMENT INTERIEUR PERMETTANT DE RENFORCER UNE CONDUITE ET SON PROCEDE DE FABRICATION**
[72] DEN BESTEN, CORNEILIS, NL
[72] FRANCOIS, JEROME, FR
[73] OCV INTELLECTUAL CAPITAL, LLC, US
[85] 2015-04-08
[86] 2013-10-14 (PCT/US2013/064772)
[87] (WO2014/062539)
[30] US (61/714,514) 2012-10-16

[11] **2,887,826**
[13] C

[51] **Int.Cl. B62D 21/14 (2006.01)**
[25] EN
[54] **FRAME EXTENSION FOR VEHICLE AND METHOD**
[54] **RALLONGE DE CHASSIS POUR VEHICULE ET METHODE**
[72] JAYNES, DAN R., US
[73] FONTAINE MODIFICATION COMPANY, US
[86] (2887826)
[87] (2887826)
[22] 2015-04-15
[30] US (61/979,782) 2014-04-15

[11] **2,888,846**
[13] C

[51] **Int.Cl. G06F 16/901 (2019.01) G06F 16/903 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INTELLIGENT PARALLEL SEARCHING**
[54] **SYSTEMES ET PROCEDES POUR UNE RECHERCHE PARALLELE INTELLIGENTE**
[72] LEITNER, STEPHEN, US
[72] MANTHEY, KEITH W., US
[72] BURGESS, MARK, US
[72] CANFIELD, SAMUEL, US
[73] EQUIFAX, INC., US
[85] 2015-04-17
[86] 2013-10-25 (PCT/US2013/066911)
[87] (WO2014/066816)
[30] US (13/661,485) 2012-10-26

[11] **2,889,323**
[13] C

[51] **Int.Cl. H04W 72/04 (2009.01) H04W 24/00 (2009.01)**
[25] EN
[54] **TRANSMISSION SCHEME AND QUASI CO-LOCATION ASSUMPTION OF ANTENNA PORTS FOR PDSCH OF TRANSMISSION MODE 10 FOR LTE ADVANCED**
[54] **SCHEMA DE TRANSMISSION ET HYPOTHESE DE QUASI COLOCALISATION DE PORTS D'ANTENNE POUR PDSCH DE MODE DE TRANSMISSION 10 POUR LTE AVANCEE**
[72] NG, BOON LOONG, US
[72] KIM, YOUNSUN, KR
[72] NAM, YOUNGHAN, US
[72] LEE, HYOJIN, KR
[72] SAYANA, KRISHNA, US
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2015-04-23
[86] 2013-11-01 (PCT/KR2013/009847)
[87] (WO2014/069937)
[30] US (61/721,335) 2012-11-01
[30] US (13/942,186) 2013-07-15

[11] **2,889,526**
[13] C

[51] **Int.Cl. C07D 471/10 (2006.01) A61K 31/438 (2006.01) A61K 31/4545 (2006.01) A61K 31/4725 (2006.01) A61K 31/495 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 417/14 (2006.01) C07D 491/10 (2006.01) C07D 498/10 (2006.01)**
[25] EN
[54] **2-AMINOPYRIDINE COMPOUNDS**
[54] **COMPOSES DE 2-AMINOPYRIDINE**
[72] SCHIEMANN, KAI, DE
[72] STIEBER, FRANK, DE
[72] BLAGG, JULIAN, GB
[72] MALLINGER, AURELIE, FR
[72] WAALBOER, DENNIS, NL
[72] RINK, CHRISTIAN, DE
[72] CRUMPLER, SIMON ROSS, GB
[73] MERCK PATENT GMBH, DE
[73] CANCER RESEARCH TECHNOLOGY LIMITED, GB
[85] 2015-04-24
[86] 2013-10-02 (PCT/EP2013/002966)
[87] (WO2014/063778)
[30] EP (12006952.1) 2012-10-27

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[11] **2,892,005**
[13] C

[51] **Int.Cl. B66B 1/46 (2006.01)**
[25] EN
[54] **INPUTTING LOCK COMMANDS USING GESTURES**
[54] **ENTREE D'INSTRUCTIONS DE VERROUILLAGE A L'AIDE DE GESTES**
[72] SCHWARZENTRUBER, JOSEF, CH
[73] INVENTIO AG, CH
[85] 2015-05-15
[86] 2013-11-29 (PCT/EP2013/075184)
[87] (WO2014/086691)
[30] EP (12195941.5) 2012-12-06

[11] **2,892,327**
[13] C

[51] **Int.Cl. B63B 35/00 (2020.01) B63H 7/00 (2006.01) G01N 1/10 (2006.01)**
[25] FR
[54] **FLOATING VESSEL FOR TAKING LIQUID SAMPLES**
[54] **ENGIN FLOTTANT DE PRELEVEMENT D'ECHANTILLONS LIQUIDES**
[72] DEJEAN, TONY, FR
[72] LE MEAUX, OLIVIER, FR
[73] SPYGEN, FR
[85] 2015-05-21
[86] 2013-11-22 (PCT/FR2013/052835)
[87] (WO2014/080143)
[30] FR (1261183) 2012-11-23

[11] **2,892,809**
[13] C

[51] **Int.Cl. E05B 47/00 (2006.01) E05B 63/06 (2006.01)**
[25] EN
[54] **ELECTRIC LATCH RETRACTION DEVICE FOR VERTICAL ROD DOOR LATCHES**
[54] **DISPOSITIF DE RETRACTION DE LOQUET ELECTRIQUE POUR LOQUETS DE PORTE A TIGE VERTICALE**
[72] ELLER, DARREN C., US
[72] HILL, CHRISTOPHER C., US
[72] GERACI, ANDREW, US
[73] SARGENT MANUFACTURING COMPANY, US
[85] 2015-05-28
[86] 2013-12-12 (PCT/US2013/074593)
[87] (WO2014/093586)
[30] US (61/737,475) 2012-12-14

[11] **2,892,977**
[13] C

[51] **Int.Cl. A22C 18/00 (2006.01)**
[25] EN
[54] **A FOOD PROCESSING SYSTEM AND A CORRESPONDING METHOD FOR SORTING, WEIGHING, CONVEYING AND MARINATING SOLID FOOD PRODUCTS**
[54] **SYSTEME DE TRAITEMENT D'ALIMENT ET PROCEDE CORRESPONDANT POUR TRIER, PESER, TRANSPORTER ET MARINER DES PRODUITS ALIMENTAIRES SOLIDES**
[72] HANSEN, HENNING INGEMANN, DK
[73] CABINPLANT INTERNATIONAL A/S, DK
[85] 2015-05-27
[86] 2013-11-29 (PCT/EP2013/075069)
[87] (WO2014/083148)
[30] EP (12195034.9) 2012-11-30

[11] **2,893,008**
[13] C

[51] **Int.Cl. H01R 13/627 (2006.01) H01R 13/64 (2006.01)**
[25] EN
[54] **PLUG-IN CONNECTOR ARRANGEMENT**
[54] **SYSTEME DE CONNECTEUR A FICHES**
[72] LAPPOHN, JURGEN, DE
[73] ERNI PRODUCTION GMBH & CO. KG, DE
[85] 2015-05-27
[86] 2013-12-12 (PCT/DE2013/000775)
[87] (WO2014/094706)
[30] DE (10 2012 025 107.6) 2012-12-21

[11] **2,893,298**
[13] C

[51] **Int.Cl. E21B 25/16 (2006.01) E21B 17/02 (2006.01) E21B 47/01 (2012.01)**
[25] EN
[54] **IMPROVEMENTS TO EQUIPMENT AND METHODS FOR DOWNHOLE SURVEYING AND DATA ACQUISITION FOR A DRILLING OPERATION**
[54] **AMELIORATIONS APPORTEES A UNE INSTALLATION ET PROCEDES POUR LA PROSPECTION DE FOND DE Puits ET SYSTEME D'ACQUISITION DE DONNEES ET POUR UNE OPERATION DE FORAGE**
[72] WILKINSON, BRETT JAMES, AU
[72] KLASS, MICHAEL ALAN, AU
[72] ANWAR, JOHAN, AU
[72] HEJLEH, KHALED, AU
[72] STEWART, GORDON, AU
[73] GLOBALTECH CORPORATION PTY LTD, AU
[85] 2015-05-29
[86] 2013-01-17 (PCT/AU2013/000029)
[87] (WO2013/106885)
[30] AU (2012900171) 2012-01-17

[11] **2,895,481**
[13] C

[51] **Int.Cl. A61J 3/10 (2006.01) B30B 11/00 (2006.01) B30B 11/08 (2006.01)**
[25] EN
[54] **MEDICAL TABLET, AND MANUFACTURING METHOD AND MANUFACTURING APPARATUS FOR MEDICAL TABLET**
[54] **COMPRIME MEDICINAL, SON PROCEDE DE FABRICATION ET SON DISPOSITIF DE FABRICATION**
[72] MAEDA, ETSUHIRO, JP
[72] KOHATA, YASUTOSHI, JP
[73] OTSUKA PHARMACEUTICAL CO., LTD., JP
[73] OMORI MACHINERY CO., LTD., JP
[85] 2015-06-17
[86] 2013-12-19 (PCT/JP2013/084015)
[87] (WO2014/098166)
[30] JP (2012-277458) 2012-12-19
[30] JP (2012-277459) 2012-12-19
[30] JP (2012-277460) 2012-12-19
[30] JP (2013-177383) 2013-08-28

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[11] **2,895,823**
[13] C

[51] **Int.Cl. C08L 33/08 (2006.01) A61K 9/16 (2006.01) C08F 220/28 (2006.01) C08K 5/01 (2006.01) C08L 33/10 (2006.01) C08L 33/14 (2006.01) C11D 3/50 (2006.01)**

[25] FR

[54] **ACTIVE INGREDIENT MICROPARTICLES**

[54] **MICROPARTICULES D'AGENT ACTIF**

[72] CHAMPAGNE, CLEMENTINE, FR

[72] SUAU, JEAN-MARC, FR

[72] GUERRET, OLIVIER, FR

[73] COATEX, FR

[85] 2015-06-19

[86] 2013-12-09 (PCT/FR2013/052996)

[87] (WO2014/096622)

[30] FR (1262499) 2012-12-20

[30] US (61/740,482) 2012-12-21

[11] **2,897,053**
[13] C

[51] **Int.Cl. G01N 33/577 (2006.01) C07K 16/18 (2006.01) C12N 5/16 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **METHODS FOR PREDICTING TIME-TO-DELIVERY IN PREGNANT WOMEN**

[54] **PROCEDES PERMETTANT DE PREVOIR LE TERME CHEZ UNE FEMME ENCEINTE**

[72] AUSIELLO, ANTHONY, US

[72] SALINAS, RUBEN, US

[72] THOMPSON, MICHAEL, US

[72] MACKAY, DANIEL J., US

[72] NARDOZZI, KAITLYN, US

[72] FRIEDMAN, MICHAEL, IL

[73] QIAGEN SCIENCES, LLC, US

[85] 2015-07-02

[86] 2013-12-23 (PCT/US2013/077541)

[87] (WO2014/107373)

[30] US (61/748,310) 2013-01-02

[30] US (61/909,238) 2013-11-26

[11] **2,897,428**
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/62 (2006.01) B01D 53/78 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR REDUCING THE ENERGY REQUIREMENTS OF A CARBON DIOXIDE CAPTURE PLANT**

[54] **SYSTEMES ET PROCEDES POUR REDUIRE LES BESOINS EN ENERGIE D'UNE UNITE DE CAPTURE DE DIOXYDE DE CARBONE**

[72] REDDY, SATISH, US

[72] YONKOSKI, JOE, US

[73] FLUOR TECHNOLOGIES CORPORATION, US

[85] 2015-07-07

[86] 2013-01-09 (PCT/US2013/020890)

[87] (WO2014/109742)

[11] **2,898,397**
[13] C

[51] **Int.Cl. G06K 7/00 (2006.01) G06K 13/08 (2006.01)**

[25] EN

[54] **FLAP FOR TERMINAL**

[54] **TRAPPE POUR TERMINAL**

[72] JANOT, CYRIL, FR

[72] PAVAGEAU, STEPHANE, FR

[73] INGENICO GROUP, FR

[85] 2015-05-22

[86] 2013-11-29 (PCT/EP2013/075170)

[87] (WO2014/083185)

[30] FR (1261477) 2012-11-30

[11] **2,898,585**
[13] C

[51] **Int.Cl. A61M 5/158 (2006.01) A61M 5/142 (2006.01) A61M 5/315 (2006.01) A61M 39/18 (2006.01)**

[25] EN

[54] **INTEGRATED SLIDING SEAL FLUID PATHWAY CONNECTION AND DRUG CONTAINERS FOR DRUG DELIVERY PUMPS**

[54] **RACCORDEMENT DE TRAJET DE FLUIDE A OPERCULE COULISSANT INTEGRE ET RECIPIENTS POUR MEDICAMENTS POUR POMPES D'ADMINISTRATION DE MEDICAMENTS**

[72] CLEMENTE, MATTHEW J., US

[72] HANSON, IAN B., US

[72] BENTE IV, PAUL F., US

[72] AGARD, RYAN M., US

[72] CICCARELLI, NICHOLAS J., US

[73] UNITRACT SYRINGE PTY LTD, AU

[85] 2015-07-17

[86] 2013-03-12 (PCT/US2013/030478)

[87] (WO2014/116274)

[30] US (61/756,638) 2013-01-25

[11] **2,899,385**
[13] C

[51] **Int.Cl. G06F 21/12 (2013.01)**

[25] EN

[54] **HANDSHAKING PROTOCOL FOR SECURE TRANSFER OF DATA**

[54] **PROTOCOLE D'ETABLISSEMENT DE LIAISON DESTINE AU TRANSFERT SECURITAIRE DES DONNEES**

[72] SPRUNK, ERIC J., US

[72] DEPIETRO, MARK G., US

[72] MEDVINSKY, ALEXANDER, US

[72] MORONEY, PAUL, US

[72] QIU, XIN, US

[73] ARRIS TECHNOLOGY, INC., US

[85] 2015-04-29

[86] 2013-10-29 (PCT/US2013/067353)

[87] (WO2014/070800)

[30] US (61/719,923) 2012-10-29

[30] US (61/719,928) 2012-10-29

[30] US (14/066,591) 2013-10-29

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[11] **2,899,887**
[13] C

[51] **Int.Cl. A61F 13/32 (2006.01) A61F 13/20 (2006.01) A61F 13/26 (2006.01)**
[25] EN
[54] **PACKAGE ASSEMBLY FOR OR WITH A TAMPON APPLICATOR**
[54] **ENSEMBLE EMBALLAGE POUR OU COMPRENANT UN APPLICATEUR DE TAMPON**
[72] BUELL, SEZEN, US
[72] TIMMERS, RICHARD B., US
[72] NIGAM, PANKAJ, US
[72] DE OLIVEIRA, RICARDO, US
[72] OSIECKI, SCOTT, US
[72] BURKHARDT, PHILIP, US
[72] ABDUL, ADEYINKIA, US
[73] EDGEWELL PERSONAL CARE BRANDS, LLC, US
[85] 2015-07-30
[86] 2013-06-25 (PCT/US2013/047687)
[87] (WO2014/004560)
[30] US (61/663,946) 2012-06-25

[11] **2,900,085**
[13] C

[51] **Int.Cl. C23C 2/06 (2006.01) C23C 2/26 (2006.01) C23C 2/28 (2006.01) C23C 28/00 (2006.01) C23C 30/00 (2006.01)**
[25] EN
[54] **METAL SHEET WITH A ZN/ALMG COATING HAVING A PARTICULAR MICROSTRUCTURE, AND CORRESPONDING PRODUCTION METHOD**
[54] **TOLE DOTEE D'UN REVETEMENT ZN/ALMG AYANT UNE MICROSTRUCTURE PARTICULIERE ET METHODE DE PRODUCTION CORRESPONDANTE**
[72] ALLELY, CHRISTIAN, FR
[72] DIEZ, LUC, FR
[72] MACHADO AMORIM, TIAGO, FR
[72] MATAIGNE, JEAN-MICHEL, FR
[73] ARCELORMITTAL, LU
[85] 2015-07-31
[86] 2013-07-08 (PCT/IB2013/055575)
[87] (WO2014/122507)
[30] FR (PCT/FR2013/050250) 2013-02-06

[11] **2,900,911**
[13] C

[51] **Int.Cl. C07D 239/47 (2006.01)**
[25] EN
[54] **PREPARATION OF PYRIMIDINE INTERMEDIATES USEFUL FOR THE MANUFACTURE OF MACITENTAN**
[54] **PREPARATION D'INTERMEDIAIRES DE PYRIMIDINE UTILES POUR LA PRODUCTION DE MACITENTAN**
[72] ABELE, STEFAN, CH
[72] FUNEL, JACQUES-ALEXIS, CH
[72] SCHINDELHOLZ, IVAN, CH
[73] ACTELION PHARMACEUTICALS LTD, CH
[85] 2015-08-11
[86] 2014-03-26 (PCT/IB2014/060160)
[87] (WO2014/155304)
[30] EP (13161422.4) 2013-03-27

[11] **2,901,643**
[13] C

[51] **Int.Cl. E05C 9/02 (2006.01) E05C 1/06 (2006.01)**
[25] EN
[54] **LOW PROFILE LOCK FOR WINDOWS**
[54] **VERROU A PROFIL BAS POUR FENETRES**
[72] VETTER, GREGORY J., US
[73] TRUTH HARDWARE CORPORATION, US
[86] (2901643)
[87] (2901643)
[22] 2015-08-25
[30] US (14/475151) 2014-09-02

[11] **2,902,212**
[13] C

[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/535 (2006.01) A61K 31/5355 (2006.01) A61P 25/00 (2006.01) C07D 265/08 (2006.01) C07D 413/04 (2006.01) C07D 413/10 (2006.01) C07D 413/12 (2006.01) C07D 471/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **PERFLUORINATED 5,6-DIHYDRO-4H-1,3-OXAZIN-2-AMINE COMPOUNDS AS BETA-SECRETASE INHIBITORS AND METHODS OF USE**
[54] **COMPOSES PERFLUORES 5,6-DIHYDRO-4H-1,3-OXAZINE-2-AMINE SUBSTITUES EN TANT QU'INHIBITEURS DE LA BETA-SECRETASE ET PROCEDES D'UTILISATION CORRESPONDANTS**
[72] MINATTI, ANA ELENA, US
[72] LOW, JONATHAN D., US
[72] ALLEN, JENNIFER R., US
[72] CHEN, JIAN, US
[72] CHEN, NING, US
[72] CHENG, YUAN, US
[72] JUDD, TED, US
[72] LIU, QINGYAN, US
[72] LOPEZ, PATRICIA, US
[72] QIAN, WENYUAN, US
[72] RUMFELT, SHANNON, US
[72] RZASA, ROBERT M., US
[72] TAMAYO, NURIA A., US
[72] XUE, QIUFEN, US
[72] YANG, BRYANT, US
[72] ZHONG, WENGE, US
[73] AMGEN INC., US
[85] 2015-08-21
[86] 2014-02-27 (PCT/US2014/019100)
[87] (WO2014/134341)
[30] US (61/771,615) 2013-03-01
[30] US (61/826,431) 2013-05-22
[30] US (61/928,898) 2014-01-17

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[13] C

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[54] **HETEROCYCLIC COMPOUNDS AND USES THEREOF**
[54] **COMPOSES HETEROCYCLIQUES ET LEURS UTILISATIONS**
[72] ZHANG, JIAZHONG, US
[72] BUELL, JOHN, US
[72] CHAN, KATRINA, US
[72] IBRAHIM, PRABHA N., US
[72] LIN, JACK, US
[72] PHAM, PHUONGLY, US
[72] SHI, SONGYUAN, US
[72] SPEVAK, WAYNE, US
[72] WU, GUOXIAN, US
[72] WU, JEFFREY, US
[73] PLEXXIKON INC., US
[85] 2015-08-31
[86] 2014-03-14 (PCT/US2014/029701)
[87] (WO2014/145051)
[30] US (61/798,856) 2013-03-15
[30] US (61/872,347) 2013-08-30

[11] 2,903,503
[13] C

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[25] EN
[54] **STERILIZATION REACTOR AND METHOD**
[54] **REACTEUR DE STERILISATION ET PROCEDE**
[72] AROFIKIN, NIKOLAY V., RU
[73] MILLISECOND TECHNOLOGIES CORP., US
[85] 2015-09-01
[86] 2014-03-13 (PCT/US2014/025637)
[87] (WO2014/160020)
[30] US (13/800,100) 2013-03-13

[11] 2,909,898
[13] C

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[25] EN
[54] **DEVICE MONITORING USING MULTIPLE SERVERS OPTIMIZED FOR DIFFERENT TYPES OF COMMUNICATIONS**
[54] **SURVEILLANCE DE DISPOSITIF UTILISANT DE MULTIPLES SERVEURS OPTIMISES POUR DIFFERENTS TYPES DE COMMUNICATIONS**
[72] GORDON, WILLIAM DOYLE, CA
[72] TCHOUDNOVSKII, ARKADI, CA
[73] ABSOLUTE SOFTWARE CORPORATION, CA
[85] 2015-10-19
[86] 2013-10-28 (PCT/CA2013/000923)
[87] (WO2014/063240)
[30] US (61/719,259) 2012-10-26

[11] 2,909,933
[13] C

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[25] EN
[54] **COATED MICROBUBBLES**
[54] **MICROBULLES REVETUES**
[72] EVANS, STEPHEN, GB
[72] PEYMAN, SALLY, GB
[72] BLOCKLEY, JONATHAN, GB
[73] UNIVERSITY OF LEEDS, GB
[85] 2015-10-20
[86] 2013-07-03 (PCT/GB2013/051764)
[87] (WO2014/006404)
[30] GB (1211783.4) 2012-07-03

[11] 2,911,446
[13] C

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[25] EN
[54] **OPTICAL FIBER PRESSURE SENSOR**
[54] **CAPTEUR DE PRESSION A FIBRE OPTIQUE**
[72] EBERLE, MICHAEL J., US
[72] TASKER, DIANA MARGARET, US
[72] ROURKE, HOWARD NEIL, US
[72] SPAMER, DAVID J., US
[73] PHYZHON HEALTH INC., US
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[87] (WO2013/177577)
[30] US (61/651,832) 2012-05-25
[30] US (61/659,596) 2012-06-14
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[30] US (61/753,221) 2013-01-16
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[11] 2,911,781
[13] C

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[25] EN
[54] **METHOD AND SYSTEM FOR RAIL VEHICLE COUPLING DETERMINATION**
[54] **METHODE ET SYSTEME DE DETERMINATION DE RACCORD DE VEHICULE SUR RAIL**
[72] BARNES, SHARON ANN L., US
[72] BARNES, MARTY C., US
[72] ERNSDORFF, PAUL, US
[73] TRAPEZE SOFTWARE ULC, CA
[86] (2911781)
[87] (2911781)
[22] 2015-11-12

[11] 2,912,501
[13] C

- [51] **Int.Cl. A61F 5/01 (2006.01) A61F 13/06 (2006.01)**
[25] FR
[54] **PROPRIOCEPTIVE ORTHOSIS FOR SUPPORTING A JOINT**
[54] **ORTHESE PROPRIOCEPTIVE ASSURANT LE MAINTIEN D'UNE ARTICULATION**
[72] GRANGE, ODILE, FR
[72] MILLET, DAMIEN, FR
[73] MILLET INNOVATION, FR
[85] 2015-11-13
[86] 2014-04-29 (PCT/FR2014/051019)
[87] (WO2014/184459)
[30] FR (1354401) 2013-05-16

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[13] C

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[25] EN

[54] **HIGH-PURITY STEVIOL GLYCOSIDES**

[54] **GLUCOSIDES DE STEVIOL DE HAUTE PURETE**

[72] PRAKASH, INDRA, US
[72] BUNDERS, CYNTHIA, US
[72] SONI, PANKAJ, US
[72] MARKOSYAN, AVETIK, MY
[72] CYRILLE, JARRIN, FR
[72] BADIE, AURELIEN, FR
[72] HALLE, ROBER TER, FR
[73] THE COCA-COLA COMPANY, US
[73] PURECIRCLE SDN BHD, MY
[85] 2015-11-23
[86] 2014-05-28 (PCT/US2014/039758)
[87] (WO2014/193934)
[30] US (61/827,922) 2013-05-28
[30] US (61/843,544) 2013-07-08
[30] US (61/861,528) 2013-08-02
[30] US (61/881,166) 2013-09-23
[30] US (61/885,084) 2013-10-01
[30] US (61/904,751) 2013-11-15
[30] US (61/913,482) 2013-12-09
[30] US (61/921,635) 2013-12-30
[30] US (61/925,329) 2014-01-09
[30] US (61/939,855) 2014-02-14

[11] **2,914,063**
[13] C

[51] **Int.Cl. G01V 1/00 (2006.01) G01V 1/133 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR RESONATOR FREQUENCY CONTROL BY ACTIVE FEEDBACK**

[54] **SYSTEME ET METHODE DE COMMANDE DE FREQUENCE DE RESONATEUR PAR RETROACTION ACTIVE**

[72] DELLINGER, JOSEPH ANTHONY, US
[72] HARPER, MARK FRANCIS LUCIEN, US
[73] BP CORPORATION NORTH AMERICA INC., US
[85] 2015-11-30
[86] 2014-10-15 (PCT/US2014/060673)
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[30] US (61/894,729) 2013-10-23

[11] **2,916,639**
[13] C

[51] **Int.Cl. A23K 10/00 (2016.01) A23K 10/20 (2016.01) A23K 10/30 (2016.01) A23K 20/00 (2016.01) A23K 40/00 (2016.01) A23K 40/25 (2016.01) A23N 17/00 (2006.01) C12Q 1/00 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **HUMAN DIET EQUIVALENT ANIMAL FEED**

[54] **ALIMENT POUR ANIMAUX EQUIVALENT A UN REGIME ALIMENTAIRE POUR HUMAIN**

[72] GORDON, JEFFREY, US
[72] HAYASHI, DAVID, US
[72] LYLE, BARBARA, US
[72] MARTINI, PEGGY, US
[73] WASHINGTON UNIVERSITY, US
[73] INTERCONTINENTAL GREAT BRANDS LLC, US
[85] 2015-12-22
[86] 2014-07-01 (PCT/US2014/045121)
[87] (WO2015/002990)
[30] US (61/841,786) 2013-07-01
[30] US (61/869,047) 2013-08-22

[11] **2,917,320**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 48/00 (2006.01) A61P 11/00 (2006.01) C07H 21/02 (2006.01)**

[25] EN

[54] **RESPIRATORY DISEASE-RELATED GENE SPECIFIC SIRNA, DOUBLE-HELICAL OLIGO RNA STRUCTURE CONTAINING SIRNA, COMPOSITION CONTAINING SAME FOR PREVENTING OR TREATING RESPIRATORY DISEASE**

[54] **ARNSI SPECIFIQUE DU GENE ASSOCIE A UNE MALADIE RESPIRATOIRE, STRUCTURE OLIGO-ARN DOUBLE HELICE CONTENANT L'ARNSI, COMPOSITION CONTENANT CETTE STRUCTURE POUR PREVENIR OU TRAITER UNE MALADIE RESPIRATOIRE**

[72] CHAE, JEIWOOK, KR
[72] PARK, HAN OH, KR
[72] YOON, PYOUNG OH, KR
[72] HAN, BORAM, KR
[72] KIM, MI NA, KR
[73] BIONEER CORPORATION, KR
[73] YUHAN CORPORATION, KR
[85] 2016-01-04
[86] 2014-07-04 (PCT/KR2014/006033)
[87] (WO2015/002513)
[30] KR (10-2013-0079311) 2013-07-05

[11] **2,917,963**
[13] C

[51] **Int.Cl. G05D 23/19 (2006.01) F24D 19/10 (2006.01)**

[25] FR

[54] **METHOD FOR ADJUSTING AN ELECTRIC HEATER IN THE EVENT OF A WINDOW BEING OPENED**

[54] **PROCEDE DE REGULATION DE CHAUFFAGE ELECTRIQUE EN CAS D'OUVERTURE DE FENETRE**

[72] MORARD, JEAN PIERRE, FR
[73] SOCIETE MULLER & CIE, FR
[85] 2016-01-11
[86] 2014-07-09 (PCT/EP2014/064745)
[87] (WO2015/004199)
[30] FR (1356782) 2013-07-10

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[11] **2,918,682**
[13] C

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[25] EN

[54] **METHOD AND DEVICE FOR THE PRODUCTION OF AN OPTIMIZED BOTTOM CONTOUR ON PREFORMS**

[54] **PROCEDE ET DISPOSITIF DE REALISATION D'UN PROFIL DE FOND OPTIMISE SUR DES PREFORMES**

[72] AKTAS, MAHIR, TR

[73] AKTAS, MAHIR, TR

[85] 2016-01-19

[86] 2014-06-30 (PCT/DE2014/000335)

[87] (WO2015/000459)

[30] DE (10 2013 011 315.6) 2013-07-01

[11] **2,919,426**
[13] C

[51] **Int.Cl. A23K 50/10 (2016.01) A23K 20/10 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23K 40/00 (2016.01)**

[25] EN

[54] **SOLID DIETARY COMPOSITIONS FOR RUMINANTS AND METHODS OF MAKING AND USING THE SAME**

[54] **COMPOSITIONS ALIMENTAIRES SOLIDES POUR RUMINANTS ET PROCEDES POUR LES FABRIQUER ET LES UTILISER**

[72] ARONEN, ILMO PELLERVO, FI

[72] HOLMA, MERJA BIRGITTA, FI

[72] WAN, FENG, US

[72] BUNTEL, CHRISTOPHER JOHN, SG

[72] BELLARE, JAYESH RAMESH, IN

[72] NOCEK, JAMES EDWARD, US

[73] BENEMILK OY, FI

[85] 2016-01-25

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[87] (WO2015/016822)

[11] **2,923,676**
[13] C

[51] **Int.Cl. A61M 25/00 (2006.01) A61L 29/04 (2006.01) A61L 29/14 (2006.01)**

[25] EN

[54] **FLUSHABLE CATHETERS**

[54] **CATHETERS A JETER DANS LES TOILETTES**

[72] FOLEY, ADAM J., IE

[72] CLARKE, JOHN T., IE

[73] HOLLISTER INCORPORATED, US

[85] 2016-03-07

[86] 2014-12-10 (PCT/US2014/069508)

[87] (WO2015/089165)

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[30] US (61/915,396) 2013-12-12

[30] US (62/011,078) 2014-06-12

[11] **2,924,618**
[13] C

[51] **Int.Cl. H01B 13/14 (2006.01) H01B 17/18 (2006.01) H01B 7/295 (2006.01)**

[25] EN

[54] **LIGHTWEIGHT AND FLEXIBLE IMPACT RESISTANT POWER CABLE AND PROCESS FOR PRODUCING IT**

[54] **CABLE D'ALIMENTATION RESISTANT AUX CHOCS LEGER ET FLEXIBLE ET SON PROCEDE DE PRODUCTION**

[72] TRUONG, RYAN, US

[72] CINQUEMANI, PAUL, US

[72] MAUNDER, ANDREW, US

[72] AVERILL, CHRIS, US

[73] PRYSMIAN S.P.A., IT

[85] 2016-03-16

[86] 2013-09-23 (PCT/IB2013/002426)

[87] (WO2015/040448)

[11] **2,924,704**
[13] C

[51] **Int.Cl. E04C 5/03 (2006.01) E04C 5/01 (2006.01) E04C 5/07 (2006.01)**

[25] EN

[54] **CORROSION RESISTANT CONCRETE REINFORCING MEMBER**

[54] **ELEMENT ARMURE DE BETON RESISTANT A LA CORROSION**

[72] EDOO, QUAI-DE AZAM, AU

[73] EDOO, QUAI-DE AZAM, AU

[85] 2016-03-18

[86] 2013-09-20 (PCT/AU2013/001087)

[87] (WO2014/047677)

[30] AU (2012904199) 2012-09-26

[11] **2,924,736**
[13] C

[51] **Int.Cl. B29D 35/12 (2010.01) A43B 13/18 (2006.01)**

[25] EN

[54] **MOULD FOR PRODUCING SOLES OF FOOTWEAR AND SOLE PRODUCED WITH SAID MOULD**

[54] **MOULE POUR LA FABRICATION DE SEMELLES DE CHAUSSURE ET SEMELLE OBTENUE AVEC LEDIT MOULE**

[72] IZQUIETA ANAUT, JOSE MARIA, ES

[73] DESARROLLO INTEGRAL DEL MOLDE, S.L., ES

[85] 2016-03-18

[86] 2013-09-18 (PCT/ES2013/070649)

[87] (WO2015/040247)

[11] **2,925,058**
[13] C

[51] **Int.Cl. C07F 5/02 (2006.01) B01J 31/00 (2006.01)**

[25] EN

[54] **PROCESS FOR THE TRANS-SELECTIVE HYDROBORATION OF INTERNAL ALKYNES**

[54] **PROCEDE D'HYDROBORATION TRANS-SELECTIVE D'ALKYNES INTERNES**

[72] FUERSTNER, ALOIS, DE

[72] SUNDARARAJU, BASKER, IN

[73] STUDIENGESELLSCHAFT KOHLE MBH, DE

[85] 2016-03-22

[86] 2014-09-30 (PCT/EP2014/070993)

[87] (WO2015/049257)

[30] EP (13186892.9) 2013-10-01

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[11] **2,927,701**
[13] C

[51] **Int.Cl. C12M 1/24 (2006.01) C12M 1/34 (2006.01) G01N 35/08 (2006.01)**

[25] EN

[54] **MICROFLUIDIC DEVICES HAVING SEQUESTRATION PENS AND METHODS OF TESTING BIOLOGICAL MICRO-OBJECTS WITH SAME**

[54] **DISPOSITIFS MICROFLUIDIQUES COMPORTANT DES ENCEINTES D'ISOLEMENT ET PROCÉDES D'ANALYSE DE MICRO-OBJETS BIOLOGIQUES FAISANT APPEL A CEUX-CI**

[72] HOBBS, ERIC D., US
[72] WHITE, MARK P., US
[72] NEVILL, J. TANNER, US
[72] MALLEO, DANIELE, US
[72] SHORT, STEVEN W., US
[73] BERKELEY LIGHTS, INC., US
[85] 2016-04-14
[86] 2014-10-22 (PCT/US2014/061837)
[87] (WO2015/061497)
[30] US (61/996,969) 2013-10-22
[30] US (62/058,658) 2014-10-01
[30] US (14/520,568) 2014-10-22

[11] **2,928,148**
[13] C

[51] **Int.Cl. C07F 7/22 (2006.01) B01J 23/46 (2006.01)**

[25] EN

[54] **PROCESS FOR THE RUTHENIUM CATALYZED TRANS-SELECTIVE HYDROSTANNATION OF ALKYNES**

[54] **PROCEDE D'HYDROSTANNATION TRANS-SELECTIVE D'ALCYNES PAR CATALYSE AU RUTHENIUM**

[72] FURSTNER, ALOIS, DE
[72] RUMMELT, STEPHAN, DE
[73] STUDIENGESELLSCHAFT KOHLE MBH, DE
[85] 2016-04-20
[86] 2014-10-14 (PCT/EP2014/072068)
[87] (WO2015/059006)
[30] EP (13189792.8) 2013-10-22

[11] **2,928,328**
[13] C

[51] **Int.Cl. E01H 1/02 (2006.01) A46B 15/00 (2006.01)**

[25] EN

[54] **BROOM ATTACHMENT, BROOM ASSEMBLY AND METHOD FOR USE THEREOF**

[54] **ACCESSOIRE DE BALAI, ENSEMBLE DE BALAI ET METHODE D'UTILISATION ASSOCIEE**

[72] ROBERTSON, CHRISTIAN, CA
[72] HENAULT, SYLVAIN, CA
[73] BALAIS NOMAD INC., CA
[73] LES BROSSES HENAULT INC., CA
[86] (2928328)
[87] (2928328)
[22] 2016-04-28

[11] **2,930,094**
[13] C

[51] **Int.Cl. A01C 7/20 (2006.01) A01B 63/14 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01)**

[25] EN

[54] **SYSTEM FOR POSITIONING GAUGE WHEELS OF AN AGRICULTURAL ROW UNIT**

[54] **SYSTEME SERVANT A POSITIONNER DES ROUES DE JAUGE D'UN MODULE DE SILLON AGRICOLE**

[72] ANDERSON, BRIAN JOHN, US
[72] DIENST, JOHNATHON R., US
[73] CNH INDUSTRIAL AMERICA LLC, US
[86] (2930094)
[87] (2930094)
[22] 2016-05-16
[30] US (14/796,891) 2015-07-10

[11] **2,931,554**
[13] C

[51] **Int.Cl. C07D 307/12 (2006.01) C07D 307/14 (2006.01)**

[25] EN

[54] **MONO- AND DIALKYL ETHERS OF FURAN-2,5-DIMETHANOL AND (TETRA-HYDROFURAN-2,5-DIYL)DIMETHANOL AND AMPHIPHILIC DERIVATIVES THEREOF**

[54] **ETHERS MONO- ET DIALKYLES DE FURAN-2,5-DIMETHANOL ET DE (TETRA-HYDROFURAN-2,5-DIYL)DIMETHANOL ET LEURS DERIVES AMPHIPHILES**

[72] STENSRUD, KENNETH, US
[73] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2016-05-24
[86] 2014-12-12 (PCT/US2014/070021)
[87] (WO2015/094970)
[30] US (61/918,239) 2013-12-19

[11] **2,936,504**
[13] C

[51] **Int.Cl. A61K 31/343 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **ADMINISTRATION OF TASIMELTEON UNDER FASTED CONDITIONS**

[54] **ADMINISTRATION DE TASIMELTEON DANS DES CONDITIONS DE JEUNE**

[72] DRESSMAN, MARLENE MICHELLE, US
[72] POLYMERPOULOS, MIHAEL H., US
[72] BAROLDI, PAOLO, US
[73] VANDA PHARMACEUTICALS INC., US
[85] 2016-07-11
[86] 2015-01-07 (PCT/US2015/010410)
[87] (WO2015/108728)
[30] US (61/927,465) 2014-01-14
[30] US (14/511,669) 2014-10-10

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[11] **2,940,643**
[13] C

[51] **Int.Cl. G06F 21/10 (2013.01) G06F 21/31 (2013.01)**
[25] EN
[54] **TRANSFERRING AUTHORIZATION FROM AN AUTHENTICATED DEVICE TO AN UNAUTHENTICATED DEVICE**
[54] **TRANSFERT D'UNE AUTORISATION D'UN DISPOSITIF AUTHENTIFIÉ À UN DISPOSITIF NON AUTHENTIFIÉ**
[72] DANCIU, DANIEL ROBERT, CH
[73] GOOGLE LLC, US
[85] 2016-08-24
[86] 2015-02-24 (PCT/US2015/017361)
[87] (WO2015/127463)
[30] US (61/943,669) 2014-02-24
[30] US (14/629,211) 2015-02-23

[11] **2,940,747**
[13] C

[51] **Int.Cl. G01W 1/00 (2006.01) G01S 13/95 (2006.01) G01W 1/10 (2006.01)**
[25] EN
[54] **AN APPARATUS DETERMINING THE CONDITIONS OF CLOUD DEVELOPMENT STAGE BASED ON METEOROLOGICAL OBSERVATION**
[54] **UN APPAREIL DE DETERMINATION DES ETATS DE L'ETAPE DE DEVELOPPEMENT DE NUAGES FONDES SUR L'OBSERVATION METEOROLOGIQUE**
[72] KOBAYASHI, TETSUYA, JP
[72] NAMIKI, AYA, JP
[72] MIZUTANI, FUMIHIKO, JP
[72] WATANABE, TAKAHIRO, JP
[73] KABUSHIKI KAISHA TOSHIBA, JP
[86] (2940747)
[87] (2940747)
[22] 2016-08-31
[30] JP (2016-002708) 2016-01-08

[11] **2,941,821**
[13] C

[51] **Int.Cl. F01D 25/00 (2006.01) F02C 7/00 (2006.01) H01L 35/02 (2006.01) H02N 11/00 (2006.01)**
[25] EN
[54] **THERMAL ELECTRIC ASSEMBLY ATTACHED ON AN OUTER SURFACE OF A HOT SECTION OF A GAS TURBINE ENGINE TO GENERATE ELECTRICAL POWER**
[54] **DISPOSITIF THERMOELECTRIQUE FIXE A UNE SURFACE EXTERIEURE D'UNE SECTION CHAUDE D'UN MOTEUR DE TURBINE A GAZ EN VUE DE PRODUIRE DE L'ELECTRICITE**
[72] PECK, JAMES L., JR., US
[72] QUIAMBAO, JIMMY M., US
[73] THE BOEING COMPANY, US
[86] (2941821)
[87] (2941821)
[22] 2016-09-13
[30] US (14/952,166) 2015-11-25

[11] **2,941,896**
[13] C

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/08 (2012.01) G06Q 50/16 (2012.01)**
[25] EN
[54] **CONNECTED DEVICE-BASED PROPERTY EVALUATION**
[54] **EVALUATION DE PROPRIETE FONDEE SUR UN APPAREIL CONNECTE**
[72] D'SOUZA, ROY, CA
[72] FRITZ, ROISIN LARA, CA
[72] BARNETT, JONATHAN K., CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2941896)
[87] (2941896)
[22] 2016-09-14
[30] US (62/218,451) 2015-09-14

[11] **2,943,812**
[13] C

[51] **Int.Cl. F24C 15/16 (2006.01) A47J 43/044 (2006.01) A47J 43/07 (2006.01) F24C 7/02 (2006.01)**
[25] EN
[54] **STIRRING AND COOKING ASSEMBLY AND COOKING EQUIPMENT INCLUDING SAME**
[54] **ENSEMBLE D'AGITATION ET DE CUISSON ET EQUIPEMENT DE CUISSON LE COMPRENANT**
[72] LIM, GYU SIK, KR
[72] LEE, JONG HOON, KR
[72] KOO, SUN HEE, KR
[72] LEE, JEONG HEE, KR
[72] CHANG, HONG MAN, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2016-09-23
[86] 2015-03-23 (PCT/KR2015/002810)
[87] (WO2015/152549)
[30] KR (10-2014-0039909) 2014-04-03
[30] KR (10-2014-0134338) 2014-10-06

[11] **2,943,867**
[13] C

[51] **Int.Cl. G01N 1/34 (2006.01) F16K 31/00 (2006.01) G01N 1/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS OF COLLECTING AND SAMPLING FLUIDS**
[54] **APPAREIL ET PROCEDES DE COLLECTE ET D'ECHANTILLONNAGE DE FLUIDES**
[72] COLEMAN, TODD M., US
[72] RICE, CORBEN C., US
[72] COLEMAN, DENNIS D., US
[73] STRATUM RESERVOIR (US), LLC, US
[85] 2016-09-23
[86] 2015-04-02 (PCT/US2015/024098)
[87] (WO2015/153891)
[30] US (61/975,579) 2014-04-04
[30] US (14/676,577) 2015-04-01

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[11] **2,944,165**
[13] C

[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTEXT-BASED EVENT TRIGGERED PRODUCT AND/OR SERVICES OFFERINGS**

[54] **SYSTEMES ET METHODES DESTINES A DES OFFRES DE PRODUIT OU SERVICE DECLENCHEES PAR UN EVENEMENT EN CONTEXTE**

[72] CHAN, PAUL MON-WAH, CA
[72] FRITZ, ROISIN LARA, CA
[72] LEE, JOHN JONG SUK, CA
[72] GROUIOS, MICHAEL, CA
[72] MOGHAIZEL, JOE, CA
[72] BARNETT, JONATHAN K., CA
[73] THE TORONTO-DOMINION BANK, CA

[86] (2944165)
[87] (2944165)
[22] 2016-10-04
[30] US (62/248,881) 2015-10-30
[30] US (62/248,900) 2015-10-30

[11] **2,945,283**
[13] C

[51] **Int.Cl. G02B 5/08 (2006.01) G02B 1/14 (2015.01) B32B 17/10 (2006.01) B32B 17/12 (2006.01)**

[25] EN
[54] **VEHICLE MIRROR, AND METHOD FOR MANUFACTURING SUCH A MIRROR**

[54] **MIROIR DE VEHICULE ET SON PROCEDE DE FABRICATION**

[72] WIERSEMA, JACOB, NL
[73] AVIATION GLASS & TECHNOLOGY HOLDING B.V., NL

[85] 2016-10-07
[86] 2015-04-13 (PCT/NL2015/050239)
[87] (WO2015/156676)
[30] NL (2012607) 2014-04-11

[11] **2,945,474**
[13] C

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/09 (2012.01) G01V 3/18 (2006.01) G01V 3/38 (2006.01)**

[25] EN
[54] **IMPROVING WELL SURVEY PERFORMANCE**

[54] **AMELIORATION DE LA PERFORMANCE DE L'ETUDE DE PUIITS**

[72] HOLMES, ANNE, GB
[72] BOWE, JAMES MITCHELL, GB
[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-10-11
[86] 2014-07-31 (PCT/US2014/049245)
[87] (WO2015/178945)
[30] US (62/000,676) 2014-05-20

[11] **2,948,460**
[13] C

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 47/30 (2006.01) A61P 35/00 (2006.01)**

[25] EN
[54] **MICELLAR NANOCOMPLEXES COMPRISING A POLYMER BONDED TO THE B RING OF A FLAVONOID**

[54] **NANOCOMPLEXES MICELLAIRES RENFERMANT UN POLYMERE LIE A L'ANNEAU B D'UN FLAVONOIDE**

[72] MOTOICHI, KURISAWA, SG
[72] NUNNARPAS, YONGVONGSOONTORN, SG
[72] YING, JACKIE Y., SG
[72] CHUNG, JOO EUN, SG
[72] BAE, KI HYUN, SG
[72] TAN, MIN-HAN, SG
[72] LEE, ESTHER, SG
[73] AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH, SG

[85] 2016-11-08
[86] 2015-05-08 (PCT/SG2015/050104)
[87] (WO2015/171079)
[30] SG (10201402244S) 2014-05-09

[11] **2,949,166**
[13] C

[51] **Int.Cl. B65D 51/16 (2006.01) B65D 43/02 (2006.01)**

[25] EN
[54] **LID FOR CONTAINER**

[54] **COUVERCLE DE CONTENANT**

[72] BRANNOCK, SAMUEL LINCOLN, US

[73] HARL-BELLA HOLDINGS, LLC, US

[86] (2949166)
[87] (2949166)
[22] 2016-11-18
[30] US (14/948,031) 2015-11-20

[11] **2,949,845**
[13] C

[51] **Int.Cl. F21V 11/08 (2006.01) B60Q 3/00 (2017.01) F21S 10/00 (2006.01) F21V 5/04 (2006.01)**

[25] EN
[54] **ILLUMINATION DEVICE FOR PROJECTING LIGHT IN A PREDETERMINED ILLUMINATION PATTERN ON A SURFACE**

[54] **DISPOSITIF D'ILLUMINATION DESTINE A LA PROJECTION DE LUMIERE DANS UN MOTIF D'ILLUMINATION PREDETERMINE SUR UNE SURFACE**

[72] MCCLELLAND, WILLIAM, US
[72] FONG, KIN, US
[72] FILECCIA, STEVEN, US
[73] AGM AUTOMOTIVE, LLC, US

[86] (2949845)
[87] (2949845)
[22] 2016-11-28
[30] US (62/263,135) 2015-12-04

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[11] **2,951,165**
[13] C

[51] **Int.Cl. C07C 29/151 (2006.01) C07C 67/36 (2006.01) C07C 31/20 (2006.01) C07C 69/36 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE SYSTEM FOR PRODUCING DIMETHYL OXALATE THROUGH MEDIUM AND HIGH-PRESSURE CARBONYLATION OF INDUSTRIAL SYNTHESIS GAS AND PRODUCING ETHYLENE GLYCOL THROUGH DIMETHYL OXALATE HYDROGENATION**

[54] **METHODE ET SYSTEME DISPOSITIF DE PRODUCTION D'OXALATE DE DIMETHYLE PAR CARBONYLATION MOYENNE PRESSION ET HAUTE PRESSION DE GAZ DE SYNTHESE INDUSTRIEL ET PRODUCTION D'ETHYLENE GLYCOL PAR HYDROGENATION D'OXALATE DE DIMETHYLE**

[72] WANG, BAOMING, CN
[72] WANG, DONGHUI, CN
[72] LI, YUJIANG, CN
[72] XU, CHANGQING, CN
[73] SHANGHAI WUZHENG ENGINEERING TECHNOLOGY CO., LTD, CN
[85] 2016-12-05
[86] 2014-07-23 (PCT/CN2014/082837)
[87] (WO2015/184677)
[30] CN (2014202967486) 2014-06-05
[30] CN (2014102469786) 2014-06-05

[11] **2,951,719**
[13] C

[51] **Int.Cl. C09K 11/77 (2006.01)**

[25] EN

[54] **WHITE-LIGHT EMITTING DIODES COMPRISING LASER SOURCE AND METAL OXIDE CRYSTAL PHOSPHOR**

[54] **DIODES ELECTROLUMINESCENTES BLANCHES COMPORTANT UNE SOURCE LASER ET D'OXYDE METALLIQUE CRISTALLIN DE PHOSPHORE**

[72] FIDLER, TOMAS, CZ
[72] KUBAT, JAN, CZ
[72] NOVOTNY, STEPAN, CZ
[72] HOUZVICKA, JINDRICH, CZ
[73] CRYTUR, SPOL.S R.O., CZ
[85] 2016-12-14
[86] 2015-05-05 (PCT/CZ2015/000040)
[87] (WO2015/169270)
[30] CZ (PV 2014-302) 2014-05-05

[11] **2,952,244**
[13] C

[51] **Int.Cl. H04N 19/70 (2014.01) H04N 19/30 (2014.01) H04N 19/46 (2014.01)**

[25] EN

[54] **SIGNALING HRD PARAMETERS FOR BITSTREAM PARTITIONS**

[54] **SIGNALISATION DE PARAMETRES HRD POUR DES PARTITIONS DE TRAINS DE BITS**

[72] WANG, YE-KUI, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-12-13
[86] 2015-06-17 (PCT/US2015/036179)
[87] (WO2015/195767)
[30] US (62/013,965) 2014-06-18
[30] US (14/741,298) 2015-06-16

[11] **2,952,650**
[13] C

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 17/00 (2006.01) E21B 33/12 (2006.01)**

[25] EN

[54] **DEGRADABLE WELLBORE ISOLATION DEVICES WITH VARYING FABRICATION METHODS**

[54] **DISPOSITIFS D'ISOLEMENT DE PUIITS DE FORAGE DEGRADABLES AYANT DES PROCEDES DE FABRICATION VARIABLES**

[72] WALTON, ZACHARY WILLIAM, US
[72] FRIPP, MICHAEL LINLEY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-12-15
[86] 2015-08-13 (PCT/US2015/044999)
[87] (WO2016/025682)
[30] US (PCT/US2014/050993) 2014-08-14

[11] **2,953,062**
[13] C

[51] **Int.Cl. A45D 34/04 (2006.01) A45D 34/00 (2006.01) A45D 44/00 (2006.01) A61B 5/00 (2006.01) A61M 35/00 (2006.01) G06T 7/00 (2017.01)**

[25] EN

[54] **APPLICATOR HEADS FOR HANDHELD TREATMENT APPARATUS FOR MODIFYING KERATINOUS SURFACES**

[54] **TETES D'APPLICATEUR POUR UN APPAREIL DE TRAITEMENT PORTATIF POUR MODIFIER DES SURFACES KERATINIQUES**

[72] RABE, THOMAS ELLIOT, US
[72] SHERMAN, FAIZ FEISAL, US
[72] BUSH, STEPHAN GARY, US
[72] MESCHKAT, STEPHAN JAMES ANDREAS, DE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-12-20
[86] 2015-07-24 (PCT/US2015/041882)
[87] (WO2016/014886)
[30] US (62/028,951) 2014-07-25

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[11] **2,953,331**
[13] C

[51] **Int.Cl. A61L 9/04 (2006.01)**
[25] EN
[54] **REMOVABLE CARTRIDGE FOR LIQUID DIFFUSION DEVICE AND CARTRIDGE INSERT THEREOF**
[54] **CARTOUCHE AMOVIBLE POUR DISPOSITIF DE DIFFUSION DE LIQUIDE ET INSERT DE CARTOUCHE ASSOCIE**
[72] ANSLEY, MATTHEW, US
[72] SWARD, NATHAN, US
[72] TANNER, HOWARD, US
[72] WEENING, RICHARD, US
[72] KELLY, CRAIG, US
[73] PROLITEC INC., US
[85] 2016-12-21
[86] 2015-04-16 (PCT/US2015/026258)
[87] (WO2015/164186)
[30] US (61/982,504) 2014-04-22
[30] US (14/612,072) 2015-02-02

[11] **2,954,356**
[13] C

[51] **Int.Cl. B28B 11/06 (2006.01) C04B 41/45 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING CONCRETE ELEMENTS**
[54] **PROCEDE DE FABRICATION D'ELEMENTS EN BETON**
[72] METTEN, MICHAEL, DE
[73] METTEN STEIN+DESIGN GMBH & CO. KG, DE
[85] 2017-01-05
[86] 2015-07-10 (PCT/EP2015/065852)
[87] (WO2016/005566)
[30] DE (10 2014 010 259.9) 2014-07-11

[11] **2,955,118**
[13] C

[51] **Int.Cl. B05B 1/34 (2006.01)**
[25] EN
[54] **LOW PRESSURE SPRAY TIP CONFIGURATIONS**
[54] **CONFIGURATION D'EMBOUT DE PULVERISATION BASSE PRESSION**
[72] WENZEL, EVERETT A., US
[72] ROSSNER, ROSS D., US
[72] LIU, WANJIAO, US
[73] WAGNER SPRAY TECH CORPORATION, US
[85] 2017-01-12
[86] 2016-04-19 (PCT/US2016/028285)
[87] (WO2016/172105)
[30] US (62/149,840) 2015-04-20
[30] US (62/203,551) 2015-08-11

[11] **2,955,378**
[13] C

[51] **Int.Cl. G06F 8/10 (2018.01) G06F 8/70 (2018.01) G06F 7/00 (2006.01) G06F 11/30 (2006.01)**
[25] EN
[54] **MANAGING PARAMETER SETS**
[54] **GESTION D'ENSEMBLES DE PARAMETRES**
[72] BACH, EDWARD, US
[72] OBERDORF, RICHARD, US
[72] LARSON, BROND, US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2017-01-16
[86] 2015-07-20 (PCT/US2015/041093)
[87] (WO2016/011441)
[30] US (62/026,228) 2014-07-18

[11] **2,958,750**
[13] C

[51] **Int.Cl. B67D 1/08 (2006.01) G05D 9/12 (2006.01)**
[25] EN
[54] **AUTOMATIC FILL CONTROL TECHNIQUE**
[54] **TECHNIQUE DE COMMANDE DE REMPLISSAGE AUTOMATIQUE**
[72] PHILLIPS, DAVID L., US
[72] ESTRADA, JESUS, US
[73] FLOW CONTROL LLC., US
[85] 2017-02-14
[86] 2015-08-17 (PCT/US2015/045463)
[87] (WO2016/025939)
[30] US (62/037,761) 2014-08-15

[11] **2,963,924**
[13] C

[51] **Int.Cl. F25D 23/00 (2006.01) F16J 15/10 (2006.01) F25D 23/02 (2006.01) F25D 23/06 (2006.01)**
[25] EN
[54] **REFRIGERATOR**
[54] **REFRIGERATEUR**
[72] KIM, MIN SOO, KR
[72] JANG, CHOONG HYO, KR
[72] KUK, KEON, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-04-06
[86] 2015-08-25 (PCT/KR2015/008884)
[87] (WO2016/056745)
[30] KR (10-2014-0134945) 2014-10-07

[11] **2,967,932**
[13] C

[51] **Int.Cl. E21B 47/09 (2012.01) E21B 47/26 (2012.01) E21B 44/00 (2006.01) G01V 3/30 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC RANGING WITH AZIMUTHAL ELECTROMAGNETIC LOGGING TOOL**
[54] **TELEMETRIE ELECTROMAGNETIQUE AU MOYEN D'UN OUTIL DE DIAGRAPHIE ELECTROMAGNETIQUE AZIMUTALE**
[72] WU, HSU-HSIANG, US
[72] DONDERICI, BURKAY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-05-15
[86] 2014-12-30 (PCT/US2014/072742)
[87] (WO2016/108840)

[11] **2,969,804**
[13] C

[51] **Int.Cl. B01D 47/00 (2006.01) B01D 53/02 (2006.01) B01D 53/14 (2006.01)**
[25] EN
[54] **METHOD FOR WASTE GAS DEDUSTING AND DEDUSTING AGENT**
[54] **PROCEDE DE DEPOUSSIERAGE DE GAZ RESIDUAIRE ET AGENT DE DEPOUSSIERAGE**
[72] WEI, XIONGHUI, CN
[72] GAO, DAOLONG, CN
[72] ZOU, MEIHUA, CN
[72] HU, CHUN, CN
[73] BEIJING BOYUAN HENGSHENG HIGH-TECHNOLOGY CO., LTD, CN
[73] YONGFENG BOYUAN INDUSTRY CO. LTD., JIANGXI PROVINCE, CN
[85] 2017-06-02
[86] 2016-01-15 (PCT/CN2016/070998)
[87] (WO2016/116007)
[30] CN (201510033694.3) 2015-01-23

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[11] **2,970,755**
[13] C

[51] **Int.Cl. G06F 30/13 (2020.01)**
[25] EN
[54] **METHOD, COMPUTER PROGRAM PRODUCT AND APPARATUS FOR PROVIDING A BUILDING OPTIONS CONFIGURATOR**
[54] **PROCEDE, PRODUIT PROGRAMME INFORMATIQUE ET APPAREIL POUR FOURNIR UNE CONFIGURATION D'OPTIONS DE BATIMENT**
[72] BUMBALOUGH, STEVEN EUGENE, US
[72] SHARP, GARY NED, US
[72] BABIN, SCOTT PAUL, US
[72] HILL, CATHRINE, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2017-06-13
[86] 2016-01-20 (PCT/IB2016/050280)
[87] (WO2016/116877)
[30] US (62/105,288) 2015-01-20

[11] **2,971,050**
[13] C

[51] **Int.Cl. G09B 19/00 (2006.01) A61C 19/00 (2006.01) G09B 23/28 (2006.01)**
[25] EN
[54] **METHOD AND MODEL FOR VISUAL DEMONSTRATION OF BACTERIA REMOVAL ON SIMULATED TONGUE MATERIAL**
[54] **METHODE ET MODELE DE DEMONSTRATION VISUELLE D'ELIMINATION DE BACTERIES SUR UN SUBSTRAT SIMULANT LA LANGUE**
[72] NEWLON, JASON WILLIAM, US
[72] BAYUK, LINDA M., US
[72] HIGHLEY, MELBA, US
[72] HIGHTOWER, CARRITA ANNE, US
[72] PATTERSON, MELISSA, US
[72] WILLIAMS, DEBRA KAY, US
[73] THE PROCTER & GAMBLE COMPANY, US
[86] (2971050)
[87] (2971050)
[22] 2017-06-19
[30] US (15/186,896) 2016-06-20

[11] **2,971,843**
[13] C

[51] **Int.Cl. E21B 12/00 (2006.01) E21B 7/00 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL HAVING ADJUSTABLE AND DEGRADABLE RODS**
[54] **OUTIL DE FOND DE TROU AYANT DES TIGES REGLABLES ET DEGRADABLES**
[72] AITKEN, LIAM A., US
[72] FRIPP, MICHAEL L., US
[72] GANO, JOHN C., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-06-21
[86] 2015-01-29 (PCT/US2015/013593)
[87] (WO2016/122544)

[11] **2,971,859**
[13] C

[51] **Int.Cl. H04N 21/2343 (2011.01) H04N 21/234 (2011.01) H04N 21/2365 (2011.01) H04N 19/124 (2014.01) H04N 19/172 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **MULTIPLE STREAM VIDEO COMPRESSION IN MULTIPLE BITRATE VIDEO ENCODING**
[54] **COMPRESSION DE VIDEO A MULTIPLES FLUX DANS UN ENCODAGE VIDEO A MULTIPLES DEBITS BINAIRES**
[72] PANCHAGNULA, RAMESH V., US
[72] RAJI, ALEXANDER D., US
[73] ARRIS ENTERPRISES LLC, US
[85] 2017-06-21
[86] 2015-12-17 (PCT/US2015/066316)
[87] (WO2016/106067)
[30] US (14/578,955) 2014-12-22

[11] **2,973,319**
[13] C

[51] **Int.Cl. G01C 11/00 (2006.01) A01B 79/00 (2006.01) A01B 79/02 (2006.01) B64C 39/02 (2006.01) B64D 47/08 (2006.01) G01C 11/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AGRICULTURAL MONITORING**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE AGRICOLE**
[72] GORNIK, AMIHAY, IL
[73] A.A.A. TARANIS VISUAL LTD., IL
[85] 2017-07-07
[86] 2015-12-02 (PCT/IL2015/051169)
[87] (WO2016/110832)
[30] IL (236606) 2015-01-11

[11] **2,973,386**
[13] C

[51] **Int.Cl. H04R 9/06 (2006.01) H04R 9/02 (2006.01)**
[25] EN
[54] **AUDIO TRANSDUCER STABILIZATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE STABILISATION DE TRANSDUCTEUR AUDIO**
[72] WHITWELL, TIMOTHY, CN
[73] TECTONIC AUDIO LABS INC., US
[85] 2017-07-07
[86] 2016-01-08 (PCT/US2016/012701)
[87] (WO2016/118341)
[30] US (14/604,580) 2015-01-23

[11] **2,974,019**
[13] C

[51] **Int.Cl. H04N 21/258 (2011.01) H04H 60/33 (2009.01) H04N 21/442 (2011.01)**
[25] EN
[54] **HOME SCREEN INTELLIGENT VIEWING**
[54] **VISUALISATION INTELLIGENTE D'ECRAN DOMESTIQUE**
[72] PANGILINAN, MELISSA, US
[72] MINNICK, DANNY J., US
[73] DISH TECHNOLOGIES L.L.C., US
[85] 2017-07-14
[86] 2016-01-15 (PCT/US2016/013685)
[87] (WO2016/115510)
[30] US (14/597,540) 2015-01-15

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[13] C

[51] **Int.Cl. G06F 11/36 (2006.01)**
[25] EN
[54] **REAL-TIME PROCESSING OF DATA STREAMS RECEIVED FROM INSTRUMENTED SOFTWARE**

[54] **TRAITEMENT EN TEMPS REEL DE FLUX DE DONNEES RECUS EN PROVENANCE DE LOGICIEL INSTRUMENTE**

[72] LIU, PHILIP, US
[72] MUKHERJI, ARIJIT, US
[72] RAMAN, RAJESH, US
[73] SPLUNK INC., US
[85] 2017-07-19
[86] 2016-01-26 (PCT/US2016/014957)
[87] (WO2016/123126)
[30] US (62/109,308) 2015-01-29

[11] **2,976,088**
[13] C

[51] **Int.Cl. B65D 17/32 (2006.01) B65D 1/12 (2006.01) B65D 1/20 (2006.01) B65D 17/28 (2006.01) B65D 85/72 (2006.01)**

[25] EN
[54] **CLOSURE SYSTEM FOR CONTAINERS**

[54] **SYSTEME DE FERMETURE POUR RECIPIENTS**

[72] COFFEY, BRENDAN, US
[72] WARRENBURG, WILLIAM L., US
[73] SNSTECH, LLC, US
[85] 2017-08-08
[86] 2016-02-10 (PCT/US2016/017392)
[87] (WO2016/130705)
[30] US (62/113,850) 2015-02-09
[30] US (62/149,825) 2015-04-20

[11] **2,978,262**
[13] C

[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/0775 (2010.01) A61K 31/513 (2006.01) A61K 35/28 (2015.01) A61P 35/00 (2006.01) C12N 9/78 (2006.01) C12N 15/78 (2006.01)**

[25] EN
[54] **CELL THERAPEUTIC AGENT FOR CANCER TREATMENT AND COMBINATION THERAPY WITH SAME**

[54] **AGENT THERAPEUTIQUE CELLULAIRE POUR LE TRAITEMENT DU CANCER ET POLYTHERAPIE L'UTILISANT**

[72] SUH, HAE YOUNG, KR
[72] KIM, SUNG SOO, KR
[72] CHANG, DA YOUNG, KR
[72] JUNG, JIN HWA, KR
[72] LEE, YOUNG DON, KR
[72] HWANG, WOO SUP, KR
[72] PARK, JIN SUNG, KR
[72] LEE, SU JUNG, KR
[73] AJOU UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION, KR
[85] 2017-08-30
[86] 2016-03-04 (PCT/KR2016/002188)
[87] (WO2016/144051)
[30] KR (10-2015-0031751) 2015-03-06

[11] **2,978,867**
[13] C

[51] **Int.Cl. C07C 5/333 (2006.01)**

[25] EN
[54] **CATALYST AGGLOMERATION REMEDIATION**

[54] **MOYEN PERMETTANT DE REMEDIER A L'AGGLOMERATION DE CATALYSEUR**

[72] PELATI, JOSEPH E., US
[73] FINA TECHNOLOGY, INC., US
[85] 2017-09-06
[86] 2015-03-09 (PCT/US2015/019461)
[87] (WO2016/144315)
[30] US (14/642,204) 2015-03-09

[11] **2,978,926**
[13] C

[51] **Int.Cl. E05D 3/00 (2006.01) A47B 96/00 (2006.01) E05D 3/02 (2006.01)**

[25] EN
[54] **HINGE FOR CABINET**

[54] **CHARNIERE D'ARMOIRE**

[72] JEFFRIES, MARK STEVEN, US
[73] AUSTIN HARDWARE & SUPPLY, INC., US
[86] (2978926)
[87] (2978926)
[22] 2017-09-11
[30] US (62/393,379) 2016-09-12

[11] **2,979,567**
[13] C

[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) C12N 15/115 (2010.01) A01K 67/027 (2006.01) C12N 5/10 (2006.01) C12N 9/22 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01)**

[25] EN
[54] **A THREE-COMPONENT CRISPR/CAS COMPLEX SYSTEM AND USES THEREOF**

[54] **SYSTEME DE COMPLEXE CAS/CRISPR A TROIS CONSTITUANTS ET UTILISATIONS DE CE DERNIER**

[72] WANG, HAOYI, CN
[72] CHENG, ALBERT, US
[72] JILLETTE, NATHANIEL, US
[73] THE JACKSON LABORATORY, US
[85] 2017-09-12
[86] 2016-03-09 (PCT/US2016/021491)
[87] (WO2016/148994)
[30] US (62/132,644) 2015-03-13
[30] US (62/221,249) 2015-09-21

[11] **2,982,551**
[13] C

[51] **Int.Cl. E21B 21/00 (2006.01) E21B 21/10 (2006.01) E21B 27/00 (2006.01) E21B 37/00 (2006.01)**

[25] EN
[54] **FISH THROUGH FILTER DEVICE**

[54] **DISPOSITIF FILTRANT AU MOYEN D'UN POISSON**

[72] LINKLATER, JAMES, GB
[72] BUCKLAND, JONATHAN, GB
[73] M-I DRILLING FLUIDS UK LTD., GB
[85] 2017-10-12
[86] 2016-04-13 (PCT/US2016/027227)
[87] (WO2016/168259)
[30] US (62/147,752) 2015-04-15

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[11] **2,983,837**
[13] C

[51] **Int.Cl. B66C 23/90 (2006.01) B60W 40/107 (2012.01) B60W 40/109 (2012.01) B60W 40/13 (2012.01) B60W 40/10 (2012.01) B60W 40/12 (2012.01) B66C 13/16 (2006.01) B66C 15/06 (2006.01) B66C 23/36 (2006.01) B66C 23/76 (2006.01)**

[25] EN
[54] **LOAD MOMENT INDICATOR SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'INDICATION DE MOMENT DE CHARGE**

[72] BONNET, DAN, CA
[72] STILBORN, MITCH, CA
[72] SEMPLE, CHRIS, CA
[72] KLASSEN, DANIEL, CA
[73] BRANDT INDUSTRIES CANADA LTD., CA

[86] (2983837)
[87] (2983837)
[22] 2017-10-26
[30] CA (2,974,819) 2017-07-28
[30] US (62/538,966) 2017-07-31

[11] **2,984,126**
[13] C

[51] **Int.Cl. F03D 7/04 (2006.01) F03D 9/11 (2016.01) F03D 7/00 (2006.01)**

[25] EN
[54] **METHOD FOR OPERATING A WIND TURBINE**
[54] **PROCEDE POUR FAIRE FONCTIONNER UNE EOLIENNE**

[72] ENGELKEN, SONKE, DE
[72] MIHOV, NIKOLAY, DE
[72] MENDONCA, ANGELO, DE
[73] WOBLEN PROPERTIES GMBH, DE
[85] 2017-10-26
[86] 2016-04-20 (PCT/EP2016/058752)
[87] (WO2016/177578)
[30] DE (10 2015 208 554.6) 2015-05-07

[11] **2,984,430**
[13] C

[51] **Int.Cl. A61B 5/091 (2006.01) A61H 31/00 (2006.01)**

[25] EN
[54] **LUNG INSTRUMENT TRAINING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'ENTRAINEMENT A UN INSTRUMENT POUR LES POUMONS**

[72] ACOSTA, FRANK, US
[72] ROSE, WILLIAM, US
[73] ACOSTA, FRANK, US
[73] ROSE, WILLIAM, US
[85] 2017-10-30
[86] 2016-04-28 (PCT/US2016/029773)
[87] (WO2016/176443)
[30] US (14/697,779) 2015-04-28

[11] **2,984,519**
[13] C

[51] **Int.Cl. B60N 2/02 (2006.01) B60N 2/90 (2018.01) A47C 7/14 (2006.01) A47C 7/24 (2006.01) B60N 2/62 (2006.01)**

[25] EN
[54] **CARRIER PLATE AND BASE PLATE FOR A SEAT DEPTH ADJUSTER, A SEAT DEPTH ADJUSTER AND CAR SEAT**
[54] **PLAQUE DE SUPPORT ET PLAQUE DE BASE DESTINEES A UN MECANISME D'AJUSTEMENT DE PROFONDEUR DE SIEGE, UN MECANISME D'AJUSTEMENT DE PROFONDEUR DE SIEGE ET UN SIEGE D'AUTOMOBILE**

[72] KREUZIG, NADINE, DE
[72] RIEDEL, ANDRE, DE
[73] KOKINETICS GMBH, DE
[86] (2984519)
[87] (2984519)
[22] 2017-10-31
[30] DE (10 2106 124 515.1) 2016-12-15

[11] **2,986,560**
[13] C

[51] **Int.Cl. B62H 1/10 (2006.01) B60F 5/00 (2006.01) B62B 19/00 (2006.01) B62H 1/12 (2006.01)**

[25] EN
[54] **BIKE HAVING EXPANDED KNIFE SKI DEVICE**
[54] **MOTO COMPORTANT UN DISPOSITIF A SKIS A LAMES ETENDUES**

[72] YEO, TAE SOON, KR
[73] YEO, TAE SOON, KR
[85] 2017-11-20
[86] 2016-04-29 (PCT/KR2016/004538)
[87] (WO2016/186342)
[30] KR (10-2015-0069588) 2015-05-19
[30] KR (10-2015-0102590) 2015-07-20

[11] **2,989,948**
[13] C

[51] **Int.Cl. G01N 27/327 (2006.01) C12Q 1/34 (2006.01)**

[25] EN
[54] **METHOD OF CORRECTING CREA SENSOR FOR CALCIUM INHIBITION**
[54] **PROCEDE DE CORRECTION DE CAPTEUR DE CREATININE POUR L'INHIBITION DU CALCIUM**

[72] HANSEN, THOMAS STEEN, DK
[72] NYGAARD, THOMAS PEDERSEN, DK
[73] RADIOMETER MEDICAL APS, DK
[85] 2017-12-18
[86] 2016-06-20 (PCT/EP2016/064182)
[87] (WO2017/005479)
[30] DK (PA 2015 00384) 2015-07-06

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[11] **2,992,344**
[13] C

[51] **Int.Cl. G01S 19/21 (2010.01) H04B 1/7097 (2011.01) H04B 1/10 (2006.01) H04B 1/707 (2011.01)**

[25] EN

[54] **NOISE DISTRIBUTION SHAPING FOR SIGNALS, PARTICULARLY SPREAD SPECTRUM SIGNALS LIKE CDMA SIGNALS, WITH IMPROVED ROBUSTNESS**

[54] **MISE EN FORME DE DISTRIBUTION DE BRUIT POUR SIGNAUX, EN PARTICULIER DES SIGNAUX A SPECTRE ETALE COMME DES SIGNAUX CDMA, A ROBUSTESSE AMELIOREE**

[72] SOUALLE, FRANCIS, DE

[72] CATTENOZ, MATHIEU, FR

[73] AIRBUS DEFENCE AND SPACE GMBH, DE

[85] 2018-01-12

[86] 2016-07-07 (PCT/EP2016/066151)

[87] (WO2017/012887)

[30] EP (15002130.1) 2015-07-17

[11] **2,992,604**
[13] C

[51] **Int.Cl. B22C 23/02 (2006.01) B22C 9/04 (2006.01) B22C 9/10 (2006.01)**

[25] EN

[54] **INVESTMENT MOLD SLURRY CURTAIN APPARATUS**

[54] **APPAREIL A RIDEAU DE SUSPENSION EPAISSE POUR MOULAGE A LA CIRE PERDUE**

[72] BIEDERMAN, SCOTT W., US

[72] BONAVENTURA, THOMAS, US

[72] DODD, PATRICK E., US

[72] MICHALIK, JOSEPH C., US

[73] METAL CASTING TECHNOLOGY, INCORPORATED, US

[85] 2018-01-15

[86] 2016-10-13 (PCT/US2016/056728)

[87] (WO2017/066374)

[30] US (62/240,727) 2015-10-13

[11] **2,992,638**
[13] C

[51] **Int.Cl. B29C 65/10 (2006.01) C08J 5/12 (2006.01)**

[25] EN

[54] **STANDING SEAM PROFILE FIELD WELDING DEVICE AND METHOD**

[54] **PROCEDE ET DISPOSITIF DE SOUDAGE SUR SITE DE PROFILE A JOINT DEBOUT**

[72] CUMMINGS, HARLEY F., US

[72] RAILKAR, SUDHIR, US

[73] BUILDING MATERIALS INVESTMENT CORPORATION, US

[86] (2992638)

[87] (2992638)

[22] 2010-12-29

[62] 2,782,595

[30] US (12/651,331) 2009-12-31

[11] **2,993,739**
[13] C

[51] **Int.Cl. H05K 5/02 (2006.01)**

[25] EN

[54] **SECURING FRAME FOR A USB CONNECTOR**

[54] **CADRE DE SECURITE POUR UN BRANCHEMENT USB**

[72] BLERSCH, CHRISTIAN, DE

[73] E.E.P.D.-ELECTRONIC-EQUIPMENT-PRODUKTION & DISTRIBUTION GMBH, DE

[85] 2018-01-25

[86] 2016-08-10 (PCT/EP2016/069003)

[87] (WO2017/025548)

[30] DE (10 2015 113 114.5) 2015-08-10

[11] **2,994,135**
[13] C

[51] **Int.Cl. E21B 33/129 (2006.01) E21B 23/06 (2006.01) E21B 33/12 (2006.01) E21B 33/128 (2006.01)**

[25] EN

[54] **WELL PLUG AND BOTTOM HOLE ASSEMBLY**

[54] **BOUCHON DE PUIITS ET ENSEMBLE DE FOND DE PUIITS**

[72] CRUMP, MATTHEW A., US

[72] VINSON, JUSTIN P., US

[73] VINSON CRUMP, LLC, US

[86] (2994135)

[87] (2994135)

[22] 2018-02-07

[30] US (15/430,532) 2017-02-12

[11] **2,994,708**
[13] C

[51] **Int.Cl. H05B 47/19 (2020.01) G05B 19/042 (2006.01) H02J 13/00 (2006.01)**

[25] EN

[54] **COMMISSIONING AND CONTROLLING LOAD CONTROL DEVICES**

[54] **MISE EN SERVICE ET COMMANDE DE DISPOSITIFS DE COMMANDE DE CHARGE**

[72] BAKER, RHODES B., US

[72] BARCO, KYLE THOMAS, US

[72] BARNES, BRYAN ROBERT, US

[72] BULL, JOHN H., US

[72] CAMDEN, RICHARD S., US

[72] CRAFTS, JORDAN H., US

[72] DOLAN, DAVID J., US

[72] GROLLER, JASON, US

[72] KUMAR, SANJEEV, US

[72] LENZ, JONATHAN T., US

[72] PELAEZ, MIGUEL AGUADO, GB

[72] TWADDELL, DANIEL L., US

[73] LUTRON TECHNOLOGY COMPANY LLC, US

[85] 2018-02-02

[86] 2016-08-05 (PCT/US2016/045884)

[87] (WO2017/024268)

[30] US (62/201,537) 2015-08-05

[11] **2,996,756**
[13] C

[51] **Int.Cl. G02C 5/14 (2006.01) H01F 1/14 (2006.01)**

[25] EN

[54] **MAGNETIC ATTACHMENT MECHANISM FOR EYEWEAR**

[54] **MECANISME DE FIXATION MAGNETIQUE DESTINE A DES ARTICLES DE LUNETTERIE**

[72] THORSELL, ERIC, US

[72] CAPOZZI, MATT, US

[72] RAMIREZ, NICOLAS, US

[72] QUALLS, MICHAEL, US

[72] LAYTON, SCOTT, US

[72] NEMOTO, SEAN, US

[72] CHILSON, JAMES ANDREW, US

[73] SMITH OPTICS, INC., US

[86] (2996756)

[87] (2996756)

[22] 2018-02-27

[30] US (15/449,616) 2017-03-03

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[11] **2,997,195**
[13] C

[51] **Int.Cl. C07H 19/06 (2006.01) A61K 31/7068 (2006.01) A61P 35/00 (2006.01) C07H 19/10 (2006.01)**

[25] EN

[54] **COMPOSITION ENRICHED IN SINGLE ISOMER OF NUC-1031 AND PREPARATION METHOD AND USE THEREOF**

[54] **COMPOSITION ENRICHEE D'UN ISOMERE DE NUC-1031 ET METHODE DE PREPARATION ET UTILISATION ASSOCIEE**

[72] YUAN, JIANDONG, CN

[72] HUANG, YANGQING, CN

[72] MIAO, LINFENG, CN

[72] GU, JIANING, CN

[72] LIANG, CHAOHUA, CN

[72] WANG, ZHENGYE, CN

[72] SUN, ZHANLI, CN

[73] BRIGHTGENE BIO-MEDICAL TECHNOLOGY CO., LTD., CN

[85] 2018-03-01

[86] 2016-09-13 (PCT/CN2016/098847)

[87] (WO2017/045583)

[30] CN (201510586447.6) 2015-09-16

[11] **2,999,600**
[13] C

[51] **Int.Cl. A01J 5/08 (2006.01) A01J 7/02 (2006.01) A01J 7/04 (2006.01)**

[25] EN

[54] **MILKING INSTALLATION, MILKING EQUIPMENT AND TEAT CUP LINER, AND ASSOCIATED OPERATING METHOD**

[54] **INSTALLATION DE TRAITE, APPAREIL DE TRAITE ET MANCHON TRAYEUR AINSI QUE PROCEDE DE FONCTIONNEMENT ASSOCIE**

[72] FISCHER, FRIEDRICH, DE

[73] FISCHER, FRIEDRICH, DE

[85] 2018-03-22

[86] 2016-09-06 (PCT/EP2016/070998)

[87] (WO2017/055030)

[30] DE (10 2015 116 333.0) 2015-09-28

[11] **2,999,826**
[13] C

[51] **Int.Cl. H04N 19/50 (2014.01) H04N 19/523 (2014.01) H04N 19/82 (2014.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR VIDEO MOTION COMPENSATION WITH SELECTABLE INTERPOLATION FILTER**

[54] **APPAREIL ET PROCEDE DE COMPENSATION DE MOUVEMENT EN VIDEO AVEC FILTRE D'INTERPOLATION SELECTIONNABLE**

[72] SYCHEV, MAXIM BORISOVITCH, CN

[72] STEPIN, VICTOR ALEXEEVICH, CN

[72] CHERNYAK, ROMAN IGOREVICH, CN

[72] IKONIN, SERGEY YURIEVICH, CN

[73] HUAWAI TECHNOLOGIES CO., LTD., CN

[85] 2018-03-23

[86] 2015-09-25 (PCT/RU2015/000614)

[87] (WO2017/052409)

[11] **3,000,021**
[13] C

[51] **Int.Cl. B01D 15/40 (2006.01) A61K 8/42 (2006.01) A61Q 11/00 (2006.01) C07C 231/24 (2006.01)**

[25] EN

[54] **METHOD OF SEPARATING STEREOISOMERS USING SUPERCRITICAL FLUID CHROMATOGRAPHY**

[54] **PROCEDE DE SEPARATION DE STEREOISOMERES A L'AIDE D'UNE CHROMATOGRAPHIE EN PHASE LIQUIDE SUPERCRITIQUE**

[72] HOKE, STEVEN HAMILTON, US

[72] LEI, QINGXIN, US

[72] MOTLAGH, SAFA, US

[72] HAUGHT, JOHN CHRISTIAN, US

[72] REILLY, MICHAEL, US

[72] SREEKRISHNA, KOTI TATACHAR, US

[72] LIN, YAKANG, US

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2018-03-26

[86] 2016-10-21 (PCT/US2016/058018)

[87] (WO2017/070414)

[30] US (62/245,189) 2015-10-22

[11] **3,001,362**
[13] C

[51] **Int.Cl. C07K 16/40 (2006.01) A61K 9/00 (2006.01) A61K 9/19 (2006.01) A61K 39/395 (2006.01) A61P 27/02 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **ANTI-HTRA1 ANTIBODIES AND METHODS OF USE THEREOF**

[54] **ANTICORPS ANTI-HTR A1 ET METHODES D'UTILISATION DE CEUX-CI**

[72] KELLEY, ROBERT F., US

[72] KIRCHHOFFER, DANIEL K., US

[72] LAI, JOYCE, US

[72] LEE, CHINGWEI V., US

[72] LIANG, WEI-CHING, US

[72] LIPARI, MICHAEL T., US

[72] LOYET, KELLY M., US

[72] SAI, TAO, US

[72] VAN LOOKEREN CAMPAGNE, MENNO, US

[72] WU, YAN, US

[72] FUH, GERMAINE, US

[73] GENENTECH, INC., US

[85] 2018-04-06

[86] 2016-10-27 (PCT/US2016/059110)

[87] (WO2017/075212)

[30] US (62/248,871) 2015-10-30

[30] US (62/345,669) 2016-06-03

[30] US (62/411,113) 2016-10-21

[11] **3,001,656**
[13] C

[51] **Int.Cl. C07D 249/20 (2006.01) B29D 11/00 (2006.01) C07C 225/22 (2006.01) C07C 235/02 (2006.01) C07C 309/49 (2006.01) C08F 16/38 (2006.01) G02B 1/04 (2006.01) G02C 7/04 (2006.01)**

[25] EN

[54] **WATER-SOLUBLE UV-ABSORBING COMPOUNDS AND USES THEREOF**

[54] **COMPOSES HYDROSOLUBLES ABSORBANT LES UV ET LEURS UTILISATIONS**

[72] CHANG, FRANK, US

[72] DESOUSA, RYAN, US

[72] HOLLAND, TROY VERNON, US

[72] LAREDO, WALTER R., US

[73] ALCON INC., US

[85] 2018-04-11

[86] 2016-11-15 (PCT/IB2016/056877)

[87] (WO2017/093835)

[30] US (62/261,925) 2015-12-02

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[11] **3,003,510**
[13] C

[51] **Int.Cl. G01N 9/36 (2006.01) G01F 1/74 (2006.01) G01N 11/02 (2006.01) G06N 3/02 (2006.01)**

[25] EN

[54] **EMULSION COMPOSITION SENSOR**

[54] **CAPTEUR DE COMPOSITION D'EMULSION**

[72] NAZARI, ALIREZA, CA

[72] JI, YIMING, CA

[72] GIESBRECHT, DANIEL JOSEPH, CA

[73] CNOOC PETROLEUM NORTH AMERICA ULC, CA

[85] 2018-04-27

[86] 2016-10-28 (PCT/CA2016/051252)

[87] (WO2017/070789)

[30] US (62/247,815) 2015-10-29

[11] **3,004,305**
[13] C

[51] **Int.Cl. A61K 38/00 (2006.01) A61K 39/02 (2006.01) A61K 39/106 (2006.01) A61K 39/385 (2006.01) A61P 1/12 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **SYNTHETIC ANTIGEN CONSTRUCTS AGAINST CAMPYLOBACTER JEJUNI**

[54] **CONSTRUCTIONS D'ANTIGENES SYNTHETIQUES CONTRE CAMPYLOBACTER JEJUNI**

[72] GUERRY, PATRICIA, US

[72] JIAO, YUENING, CA

[72] MONTEIRO, MARIO ARTUR, CA

[72] PEQUEGNAT, BRITTANY MICHELE, CA

[73] UNIVERSITY OF GUELPH, CA

[85] 2018-05-03

[86] 2016-11-03 (PCT/US2016/060361)

[87] (WO2017/079456)

[30] US (PCT/US2015/059315) 2015-11-05

[11] **3,004,948**
[13] C

[51] **Int.Cl. A24B 15/18 (2006.01) A24B 3/08 (2006.01) A24B 15/00 (2006.01)**

[25] EN

[54] **FLAVOR-ENHANCED TOBACCO BLEND**

[54] **MELANGE DE TABAC A AROMES REHAUSSEES**

[72] SUTTON, JOSEPH, GB

[73] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB

[85] 2018-05-10

[86] 2016-11-11 (PCT/GB2016/053556)

[87] (WO2017/081487)

[30] GB (1520056.1) 2015-11-13

[11] **3,005,605**
[13] C

[51] **Int.Cl. C12N 15/10 (2006.01) A61K 8/60 (2006.01) A61K 8/97 (2017.01) C07H 1/08 (2006.01) C07H 21/02 (2006.01)**

[25] EN

[54] **TOPICAL COMPOSITION COMPRISING A SMALL RNA TIGER LILY EXTRACT AND METHOD OF COSMETIC CARE TO REDUCE SKIN SIGNS OF AGING**

[54] **COMPOSITION TOPIQUE COMPRENANT UN EXTRAIT DE LYS TIGRE A PETITS ARN ET PROCEDE DE SOIN COSMETIQUE POUR REDUIRE LES SIGNES CUTANES DU VIEILLISSEMENT**

[72] OGER, ELODIE, FR

[72] CHABERT, RACHEL, FR

[72] IMBERT, ISABELLE, FR

[72] BOTTO, JEAN-MARIE, FR

[72] DOMLOGE, NOUHA, FR

[72] PERNODET, NADINE, US

[72] DONG, KELLY, US

[72] MANTELIN, JOEL, FR

[72] CHEN, CHIA-WEN, US

[73] ISP INVESTMENTS LLC, US

[73] ELC MANAGEMENT LLC, US

[85] 2018-05-16

[86] 2016-11-10 (PCT/US2016/061302)

[87] (WO2017/087245)

[30] FR (1502361) 2015-11-17

[11] **3,005,846**
[13] C

[51] **Int.Cl. H04L 5/00 (2006.01) H04W 4/00 (2018.01) H04W 74/08 (2009.01)**

[25] EN

[54] **NARROW BAND PRACH WITH MULTIPLE TONE HOPPING DISTANCES**

[54] **PRACH A BANDE ETROITE AVEC DISTANCES DE SAUT DE TONALITE MULTIPLES**

[72] WANG, RENQIU, US

[72] XU, HAO, US

[72] WANG, XIAO FENG, US

[72] CHEN, WANSHI, US

[72] GAAL, PETER, US

[72] MONTOJO, JUAN, US

[72] RICO ALVARINO, ALBERTO, US

[72] FAKOORIAN, SEYED ALI AKBAR, US

[73] QUALCOMM INCORPORATED, US

[85] 2018-05-18

[86] 2016-11-11 (PCT/US2016/061483)

[87] (WO2017/105693)

[30] US (62/269,799) 2015-12-18

[30] US (15/279,991) 2016-09-29

[11] **3,006,017**
[13] C

[51] **Int.Cl. H04L 25/02 (2006.01) H04W 84/12 (2009.01) H04L 27/26 (2006.01)**

[25] EN

[54] **DATA TRANSMISSION METHOD AND APPARATUS IN WIRELESS LOCAL AREA NETWORK**

[54] **APPAREIL ET METHODE DE TRANSMISSION DE DONNEES DANS UN RESEAU LOCAL SANS FIL**

[72] LIN, WEI, CN

[72] XUE, XIN, CN

[72] WANG, NINGJUAN, CN

[72] LIU, LE, CN

[73] HUAWAI TECHNOLOGIES CO., LTD., CN

[85] 2018-05-23

[86] 2016-11-23 (PCT/CN2016/106941)

[87] (WO2017/088761)

[30] CN (201510823977.8) 2015-11-23

[30] CN (201510854631.4) 2015-11-30

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[11] **3,007,141**
[13] C

[51] **Int.Cl. A61C 13/00 (2006.01) C04B 35/486 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A SHAPED BODY**
[54] **PROCEDE DE PRODUCTION D'UN CORPS FORME**
[72] WONDRACZEK, LOTHAR, DE
[72] MULLER, LENKA, DE
[73] DENTSPLY SIRONA INC., US
[73] DEGUDENT GMBH, DE
[85] 2018-06-01
[86] 2016-12-23 (PCT/EP2016/082536)
[87] (WO2017/114777)
[30] DE (10 2015 122 857.2) 2015-12-28

[11] **3,007,206**
[13] C

[51] **Int.Cl. H04L 12/751 (2013.01) H04L 12/26 (2006.01)**
[25] EN
[54] **USING BLOCKCHAIN TO TRACK INFORMATION FOR DEVICES ON A NETWORK**
[54] **UTILISATION DE CHAINE DE BLOC POUR SUIVRE L'INFORMATION DES DISPOSITIFS D'UN RESEAU**
[72] MOELLER, BERND, DE
[73] MYOMEGA SYSTEMS GMBH, DE
[86] (3007206)
[87] (3007206)
[22] 2018-06-04
[30] US (62/524807) 2017-06-26
[30] US (15/907500) 2018-02-18

[11] **3,007,228**
[13] C

[51] **Int.Cl. G01P 21/02 (2006.01)**
[25] FR
[54] **ELECTRICAL EQUIPMENT DESIGNED TO BE CONNECTED TO A TACHOMETER**
[54] **EQUIPEMENT ELECTRIQUE DESTINE A ETRE RELIE A UN TACHYMETRE**
[72] SANCHIS, GHISLAIN, FR
[73] SAFRAN LANDING SYSTEMS, FR
[86] (3007228)
[87] (3007228)
[22] 2018-06-04
[30] FR (17 55062) 2017-06-07

[11] **3,007,455**
[13] C

[51] **Int.Cl. G06Q 50/28 (2012.01) G06Q 10/08 (2012.01) G06Q 30/02 (2012.01) G09F 13/04 (2006.01) G09F 21/04 (2006.01)**
[25] EN
[54] **DELIVERY METHOD FOR ENABLING ADVERTISEMENT OF DELIVERY ORDERER**
[54] **PROCEDE DE DISTRIBUTION PERMETTANT D'ACTIVER UNE PUBLICITE DE DONNEUR D'ORDRE DE LIVRAISON**
[72] CHANG, YOUNG CHEOL, KR
[73] CHANG, YOUNG CHEOL, KR
[85] 2018-06-05
[86] 2016-12-14 (PCT/KR2016/014658)
[87] (WO2017/116046)
[30] KR (10-2015-0188169) 2015-12-29

[11] **3,007,520**
[13] C

[51] **Int.Cl. A47J 37/06 (2006.01) A47J 27/00 (2006.01) A47J 37/08 (2006.01)**
[25] EN
[54] **GRILLING PAN FOR COOKING PROTEINS**
[54] **DISPOSITIF DE CUISSON AU GRIL POUR LA CUISSON DE PROTEINES**
[72] TRESSER, SARAH J., US
[72] PREAVY, SEAN M., US
[72] SWAYZE, DANIEL J., US
[73] G.S. BLODGETT CORPORATION, US
[85] 2018-06-04
[86] 2017-03-14 (PCT/US2017/022235)
[87] (WO2017/160791)
[30] US (62/310,052) 2016-03-18

[11] **3,007,568**
[13] C

[51] **Int.Cl. F16L 1/09 (2006.01) B25B 11/00 (2006.01) F16L 1/10 (2006.01) F16L 47/02 (2006.01)**
[25] EN
[54] **ASSEMBLY AND METHOD OF COUPLING PIPES**
[54] **ENSEMBLE ET PROCEDE POUR ACCOUPLER DES TUYAUX**
[72] MONTGOMERY, MICHAEL JOHN, US
[73] ISCO INDUSTRIES, INC., US
[86] (3007568)
[87] (3007568)
[22] 2014-12-17
[62] 2,934,317
[30] US (14132700) 2013-12-18

[11] **3,007,853**
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01) G06N 3/02 (2006.01)**
[25] EN
[54] **END-TO-END DEEP COLLABORATIVE FILTERING**
[54] **FILTRAGE COLLABORATIF PROFOND DE BOUT EN BOUT**
[72] VOLKOV, MAKSIMS, CA
[72] POUTANEN, TOMI JOHAN, CA
[73] THE TORONTO-DOMINION BANK, CA
[85] 2018-06-08
[86] 2016-12-23 (PCT/CA2016/051535)
[87] (WO2017/106977)
[30] US (62/387,493) 2015-12-23
[30] US (15/389,315) 2016-12-22

[11] **3,008,638**
[13] C

[51] **Int.Cl. A61B 5/053 (2006.01) A61B 5/00 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND DEVICES FOR SENSOR FUSION**
[54] **PROCEDES, SYSTEMES, ET DISPOSITIFS DE FUSION DE CAPTEUR**
[72] VARSAVSKY, ANDREA, US
[72] LU, YUNFENG, US
[72] MUNG, JAY, US
[73] MEDTRONIC MINIMED, INC., US
[85] 2018-06-14
[86] 2016-07-22 (PCT/US2016/043573)
[87] (WO2017/116504)
[30] US (14/980,260) 2015-12-28

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[11] **3,008,932**
[13] C

[51] **Int.Cl. A23C 9/123 (2006.01) A23L 33/10 (2016.01) A61K 35/74 (2015.01) C12N 1/20 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR INCREASING OR MAINTAINING FAECALIBACTERIUM PRAUSNITZII POPULATIONS**

[54] **COMPOSITIONS ET METHODES POUR AUGMENTER OU MAINTENIR DES POPULATIONS DE FAECALIBACTERIUM PRAUSNITZII**

[72] DERRIEN, MURIEL, FR
[72] LEBAS, MATHILDE, FR
[72] GARAUULT, PEGGY, FR
[73] COMPAGNIE GERVAIS DANONE, FR

[85] 2018-06-18
[86] 2015-12-23 (PCT/EP2015/081148)
[87] (WO2017/108126)

[11] **3,009,894**
[13] C

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 41/00 (2006.01)**

[25] EN

[54] **ELECTROMAGNETIC TELEMTRY USING A TRANSCIEVER IN AN ADJACENT WELLBORE**

[54] **TELEMESURE ELECTROMAGNETIQUE UTILISANT UN EMETTEUR-RECEPTEUR DANS UN Puits DE FORAGE ADJACENT**

[72] WILSON, GLENN ANDREW, SG
[72] FAN, YIJING, SG
[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-06-27
[86] 2016-09-02 (PCT/US2016/050211)
[87] (WO2017/131822)
[30] US (62/286,644) 2016-01-25

[11] **3,010,211**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 38/28 (2006.01) C07K 14/62 (2006.01)**

[25] EN

[54] **HIGH-PURITY INHALABLE PARTICLES OF INSULIN AND INSULIN ANALOGUES, AND HIGH-EFFICIENCY METHODS OF MANUFACTURING THE SAME**

[54] **PARTICULES INHALABLES D'INSULINE ET D'ANALOGUES D'INSULINE DE GRANDE PURETE, LEURS PROCEDES DE PREPARATION A HAUTE EFFICACITE**

[72] DING, JEFFREY, US
[72] BO, AILI, US
[72] LUO, MARY ZIPING, US
[72] ZHANG, JACK YONGFENG, US
[73] AMPHASTAR PHARMACEUTICALS, INC., US

[85] 2018-06-28
[86] 2016-01-08 (PCT/US2016/012715)
[87] (WO2017/119906)
[30] US (14/990,787) 2016-01-07

[11] **3,010,502**
[13] C

[51] **Int.Cl. G01M 3/40 (2006.01) G01N 21/952 (2006.01)**

[25] EN

[54] **MOVABLE DETECTOR AND METHODS FOR INSPECTING ELONGATED TUBE-LIKE OBJECTS IN EQUIPMENT**

[54] **DETECTEUR MOBILE ET PROCEDES D'INSPECTION D'OBJETS DE TYPE TUBE ALLONGE DANS UN EQUIPEMENT**

[72] RUTTANASUPA, PAWIN, TH
[72] YANANONT, TERDSAK, TH
[72] UMPAWANWONG, SANTIPAP, TH
[72] PANDUM, PAISAL, TH
[72] SEANBUNSIRI, KANJANAS, TH
[73] RAYONG ENGINEERING AND PLANT SERVICE CO., LTD., TH

[85] 2018-07-03
[86] 2017-01-16 (PCT/TH2017/000001)
[87] (WO2017/123166)
[30] NL (2016102) 2016-01-15

[11] **3,010,574**
[13] C

[51] **Int.Cl. G02B 1/04 (2006.01)**

[25] EN

[54] **SOFT SILICONE MEDICAL DEVICES**

[54] **DISPOSITIFS MEDICAUX EN SILICONE SOUPLE**

[72] CHANG, FRANK, US
[72] HOLLAND, TROY VERNON, US
[72] QIAN, XINMING, US
[72] SCOTT, ROBERT, US
[72] LINDACHER, JOSEPH MICHAEL, US

[72] HAKEN, UWE, US
[73] ALCON INC., US

[85] 2018-07-04
[86] 2017-02-16 (PCT/IB2017/050874)
[87] (WO2017/145023)
[30] US (62/298,127) 2016-02-22

[11] **3,012,158**
[13] C

[51] **Int.Cl. B23C 5/00 (2006.01) B23C 5/20 (2006.01) B23F 21/12 (2006.01)**

[25] EN

[54] **MILLING TOOL**

[54] **OUTIL DE FRAISAGE**

[72] ZANKL, MAX, DE
[72] HOSS, JOHANNES, DE
[73] HARTMETALL-WERKZEUGFABRIK PAUL HORN GMBH, DE

[85] 2018-07-20
[86] 2017-01-20 (PCT/EP2017/051193)
[87] (WO2017/125553)
[30] DE (10 2016 101 145.2) 2016-01-22

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[11] **3,012,243**
[13] C

[51] **Int.Cl. F24F 13/20 (2006.01) F24F 11/89 (2018.01)**

[25] EN

[54] **AIR TREATMENT DEVICE AND HOUSING FOR AN AIR TREATMENT DEVICE**

[54] **DISPOSITIF DE TRAITEMENT DE L'AIR ET BATI CONNEXE**

[72] SHORE, ANGELA NIXON, US

[72] HAYNES, ANNIE PIERCE, US

[72] STAFFORD, CAROLYN MORGAN, US

[72] FORDING, JAY KINSLEY, US

[72] MANLEY, PAUL RICHARD, US

[72] LORENZ, MICHAEL ANTHONY, US

[72] MORA, LUDWIN MIGUEL, US

[72] CHOI, HUN JUNG, KR

[72] KIM, YOUNG JO, KR

[73] LOWE'S COMPANIES, INC., US

[86] (3012243)

[87] (3012243)

[22] 2010-01-21

[62] 2,690,701

[30] US (12/577,564) 2009-10-12

[11] **3,013,212**
[13] C

[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **METHOD TO TREAT VASCULAR DYSFUNCTION THROUGH ENHANCED VASCULAR FLOW AND HEMODYNAMIC ACTIVATION OF THE AUTOCRINE AND PARACRINE PROCESSES**

[54] **PROCEDE DE TRAITEMENT DE DYSFONCTIONNEMENT VASCULAIRE PAR ECOULEMENT VASCULAIRE AMELIORE ET ACTIVATION HEMODYNAMIQUE DES PROCESSUS D'AUTOCRINE ET DE PARACRINE**

[72] OWEN, JOHN M., US

[73] SHEAR STRESS THERAPEUTICS, LLC, US

[85] 2018-07-30

[86] 2017-01-30 (PCT/US2017/015651)

[87] (WO2017/132677)

[30] US (15/010,750) 2016-01-29

[11] **3,013,368**
[13] C

[51] **Int.Cl. B65D 5/06 (2006.01) B65D 5/02 (2006.01) B65D 5/74 (2006.01)**

[25] EN

[54] **GABLE TOP WITH SPOUT CLOSURE**

[54] **PIGNON AVEC FERMETURE PAR BEC**

[72] KALBERER, RODERICK W., US

[72] STEEN, NORSEN, US

[73] EVERGREEN PACKAGING LLC, US

[85] 2018-07-31

[86] 2017-02-17 (PCT/US2017/018367)

[87] (WO2017/143188)

[30] US (62/296,657) 2016-02-18

[11] **3,013,918**
[13] C

[51] **Int.Cl. H04W 56/00 (2009.01)**

[25] EN

[54] **NARROWBAND WIRELESS COMMUNICATIONS CELL SEARCH**

[54] **RECHERCHE DE CELLULES DE COMMUNICATION SANS FIL A BANDE ETROITE**

[72] LEI, JING, US

[72] XU, HAO, US

[72] CHEN, WANSI, US

[72] WANG, XIAO FENG, US

[72] WANG, RENQIU, US

[72] WEI, YONGBIN, US

[72] MONTOJO, JUAN, US

[72] RICO ALVARINO, ALBERTO, US

[72] GAAL, PETER, US

[73] QUALCOMM INCORPORATED, US

[85] 2018-08-07

[86] 2017-01-06 (PCT/US2017/012562)

[87] (WO2017/155601)

[30] US (62/307,419) 2016-03-11

[30] US (15/376,025) 2016-12-12

[11] **3,013,976**
[13] C

[51] **Int.Cl. B23K 9/127 (2006.01) B23K 9/025 (2006.01) B23K 9/028 (2006.01) B23K 9/16 (2006.01) B23K 9/23 (2006.01)**

[25] EN

[54] **METHOD FOR MANUFACTURING COMPONENT**

[54] **METHODE DE FABRICATION DE COMPOSANT**

[72] UMEKAWA, KENGO, JP

[72] NAKAZONO, YUJI, JP

[72] HATTORI, SHINICHIRO, JP

[72] SAKIMOTO, NOBUYA, JP

[73] FUTABA INDUSTRIAL CO., LTD., JP

[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[86] (3013976)

[87] (3013976)

[22] 2018-08-13

[30] JP (JP2017-156590) 2017-08-14

[11] **3,014,180**
[13] C

[51] **Int.Cl. H05B 47/16 (2020.01) H05B 45/00 (2020.01) H05B 47/155 (2020.01) F21S 4/00 (2016.01) F21V 23/00 (2015.01) F21K 9/00 (2016.01)**

[25] EN

[54] **LIGHT SET CIRCUIT WITH TIME CONTROL FUNCTION**

[54] .

[72] TSAI, NAI-CHEN, CN

[73] COSMO LIGHTING INC., US

[86] (3014180)

[87] (3014180)

[22] 2018-08-15

[30] US (62/565,327) 2017-09-29

[30] US (62/584,619) 2017-11-10

[11] **3,014,434**
[13] C

[51] **Int.Cl. G01N 27/90 (2006.01)**

[25] EN

[54] **MINIMIZING AZIMUTHAL CURRENT INDUCED ON TUBULARS BY TRANSMITTERS**

[54] **MINIMISATION DU COURANT AZIMUTAL INDUIT SUR DES ELEMENTS TUBULAIRES PAR DES EMETTEURS**

[72] CAPOGLU, ILKER R., US

[72] DONDERICI, BURKAY, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-08-13

[86] 2016-04-21 (PCT/US2016/028679)

[87] (WO2017/184154)

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[11] **3,014,690**
[13] C

[51] **Int.Cl. B22F 1/00 (2006.01) B33Y 10/00 (2015.01) B22F 1/02 (2006.01) B22F 3/105 (2006.01) B22F 3/16 (2006.01) B22F 9/08 (2006.01) B22F 9/10 (2006.01) C22C 9/00 (2006.01)**

[25] EN

[54] **COPPER POWDER, METHOD FOR MANUFACTURING COPPER POWDER, AND METHOD FOR MANUFACTURING SOLID SHAPED OBJECT**

[54] **POUDRE DE CUIVRE, METHODE DE FABRICATION DE POUDRE DE CUIVRE ET METHODE DE FABRICATION D'OBJET DE FORME SOLIDE**

[72] ENDO, YOSUKE, JP
[72] YAMAMOTO, HIROYOSHI, JP
[72] SUZUKI, RYO, JP
[72] SATO, KENJI, JP
[73] JX NIPPON MINING & METALS CORPORATION, JP
[85] 2018-08-20
[86] 2018-01-12 (PCT/JP2018/000688)
[87] (WO2018/193671)
[30] JP (2017-084829) 2017-04-21

[11] **3,015,281**
[13] C

[51] **Int.Cl. H04W 4/021 (2018.01)**

[25] EN

[54] **CACHEABLE GEOGRAPHIC PAGES**

[54] **PAGES GEOGRAPHIQUES STOCKABLES**

[72] STIRLING, ANDREW, AU
[73] BLUEDOT INNOVATION PTY LTD, AU
[86] (3015281)
[87] (3015281)
[22] 2018-08-23
[30] AU (2018902716) 2018-07-26

[11] **3,016,507**
[13] C

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/416 (2006.01) A61P 11/06 (2006.01) A61P 19/02 (2006.01)**

[25] EN

[54] **AN OXO-DIHYDROPYRIDINYL-INDAZOLE DERIVATIVE**

[54] **DERIVE D'INDAZOLE-OXO-DIHYDROPYRIDINYL**

[72] CHAOYI, DENG, CN
[73] ASTRAZENECA AB, SE
[85] 2018-09-04
[86] 2017-03-22 (PCT/EP2017/056838)
[87] (WO2017/162747)
[30] CN (PCT/CN2016/077095) 2016-03-23

[11] **3,017,233**
[13] C

[51] **Int.Cl. A61M 16/04 (2006.01) A61M 25/00 (2006.01)**

[25] EN

[54] **FLEXIBLE ORAL AIRWAY TUBE WITH INTERNAL BITE BLOCK**

[54] **TUBE ORAL FLEXIBLE POUR VOIES RESPIRATOIRES AVEC BOURRELET D'OCCLUSION INTERNE**

[72] MCMURRAY, ROXANNE, US
[73] MCMURRAY MEDICAL GROUP, LLC, US
[85] 2018-09-07
[86] 2017-03-28 (PCT/US2017/024613)
[87] (WO2017/172822)
[30] US (62/314,678) 2016-03-29

[11] **3,017,866**
[13] C

[51] **Int.Cl. C09D 201/00 (2006.01) B05D 1/36 (2006.01) B05D 7/24 (2006.01) C09D 5/02 (2006.01) C09D 133/00 (2006.01) C09D 167/00 (2006.01) C09D 171/02 (2006.01) C09D 175/04 (2006.01)**

[25] EN

[54] **AQUEOUS COATING COMPOSITION**

[54] **COMPOSITION AQUEUSE DE REVETEMENT**

[72] KANDA, TAKASHI, JP
[73] KANSAI PAINT CO., LTD., JP
[85] 2018-09-14
[86] 2017-03-16 (PCT/JP2017/010712)
[87] (WO2017/164072)
[30] JP (2016-057128) 2016-03-22

[11] **3,017,977**
[13] C

[51] **Int.Cl. A01K 15/02 (2006.01) A01K 15/00 (2006.01) A63B 47/02 (2006.01) A63B 69/40 (2006.01)**

[25] EN

[54] **PET FETCHING DEVICE**

[54] **DISPOSITIF DE JEU POUR ANIMAL DE COMPAGNIE**

[72] HAMILL, DENNIS W., US
[72] HAMILL, DEBORAH LYNN, US
[72] MORRIS, KIT, US
[72] VANDERVEEN, JOHN, US
[72] NEWNAM, SMITH, US
[72] OWENS, CHRIS, US
[73] IFETCH, LLC, US
[85] 2018-09-14
[86] 2017-03-16 (PCT/US2017/022810)
[87] (WO2017/161187)
[30] US (62/309,094) 2016-03-16

[11] **3,018,201**
[13] C

[51] **Int.Cl. F16H 55/30 (2006.01)**

[25] EN

[54] **A DRIVING SPROCKET FOR A MARINE-TYPE CHAIN**

[54] **NOIX D'ENTRAINEMENT POUR CHAINE DE TYPE MARINE**

[72] MARIE, VINCENT, FR
[73] MARIE, VINCENT, FR
[85] 2018-09-18
[86] 2016-07-19 (PCT/FR2016/051863)
[87] (WO2017/017346)
[30] FR (15 01603) 2015-07-27
[30] FR (15 57204) 2015-07-28

[11] **3,018,548**
[13] C

[51] **Int.Cl. A41C 3/00 (2006.01) D04B 21/20 (2006.01)**

[25] EN

[54] **ENGINEERED BRA**

[54] **SOUTIEN-GORGE SOPHISTIQUE**

[72] MAHESHWARI, RICHA, US
[72] VAUGHAN, HEIDI, US
[73] NIKE INNOVATE C.V., US
[85] 2018-09-20
[86] 2016-11-03 (PCT/US2016/060260)
[87] (WO2017/176313)
[30] US (62/319,128) 2016-04-06
[30] US (15/341,759) 2016-11-02

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[11] **3,018,746**
[13] C
[51] **Int.Cl. F41A 27/08 (2006.01) F41A 35/00 (2006.01) F41C 27/00 (2006.01) F41C 33/02 (2006.01) F41C 33/04 (2006.01)**
[25] EN
[54] **HOLSTER**
[54] **ETUI DE PISTOLET**
[72] LANCE, TROY E., US
[72] YARBROUGH, LIAM, US
[72] KINCAID, ROBERT, US
[72] SMITH, PAUL N., US
[72] MICHAEL, CHRISTOPHER J., US
[73] VISTA OUTDOOR OPERATIONS LLC, US
[85] 2018-09-21
[86] 2017-03-22 (PCT/US2017/023631)
[87] (WO2017/165547)
[30] US (15/077,583) 2016-03-22
[30] US (62/355,115) 2016-06-27

[11] **3,020,299**
[13] C
[51] **Int.Cl. H04N 17/00 (2006.01) H04N 7/015 (2006.01) H04N 17/02 (2006.01)**
[25] EN
[54] **HIGH DEFINITION MULTIMEDIA INTERFACE TEST SYSTEM**
[54] **SYSTEME DE TEST D'INTERFACE MULTIMEDIA HAUTE DEFINITION**
[72] BLAKE, JOSHUA, US
[72] CLARK, BRANDON, US
[73] STEREN ELECTRONICS INTERNATIONAL, LLC, US
[85] 2018-10-05
[86] 2017-02-15 (PCT/US2017/017994)
[87] (WO2017/142960)
[30] US (15/044,051) 2016-02-15

[11] **3,020,683**
[13] C
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/32 (2006.01) A61B 18/00 (2006.01) A61B 18/12 (2006.01) A61B 18/14 (2006.01) A61B 18/18 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL DEVICE WITH VACUUM PORT**
[54] **DISPOSITIF ELECTROCHIRURGICAL MUNI D'ORIFICE SOUS VIDE**
[72] PEPE, GREGORY, US
[72] MILLER, MICHAEL J., US
[72] SHVETSOV, KYRYLO, US
[72] BONANO, SAMANTHA, US
[73] BUFFALO FILTER LLC, US
[85] 2018-10-10
[86] 2017-04-11 (PCT/US2017/027021)
[87] (WO2017/180630)
[30] US (62/320,867) 2016-04-11

[11] **3,021,562**
[13] C
[51] **Int.Cl. G01V 3/26 (2006.01) E21B 7/06 (2006.01) E21B 47/04 (2012.01) G01P 15/00 (2006.01) G01V 3/00 (2006.01) G01V 3/08 (2006.01) G01V 3/18 (2006.01)**
[25] EN
[54] **MAGNETIC RANGING FROM BEHIND A MAGNETIC SHIELD**
[54] **TELEMETRIE MAGNETIQUE PROVENANT DE L'ARRIERE D'UN BLINDAGE MAGNETIQUE**
[72] RIDGWAY, DOUGLAS, US
[72] MOSS, CLINTON, US
[73] SCIENTIFIC DRILLING INTERNATIONAL, INC., US
[85] 2018-10-18
[86] 2017-05-08 (PCT/US2017/031583)
[87] (WO2017/196741)
[30] US (62/333,695) 2016-05-09

[11] **3,021,891**
[13] C
[51] **Int.Cl. F04B 27/12 (2006.01) F04B 39/12 (2006.01)**
[25] EN
[54] **COMPRESSOR**
[54] **COMPRESSEUR**
[72] NAGURA, KENJI, JP
[72] FUKUDA, TAKAYUKI, JP
[72] YAMASAKI, RYOSUKE, JP
[72] OOTSUKA, TOMOHIRO, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[86] (3021891)
[87] (3021891)
[22] 2018-10-24
[30] JP (2017-222445) 2017-11-20

[11] **3,022,397**
[13] C
[51] **Int.Cl. A24F 42/00 (2020.01) A24F 42/60 (2020.01)**
[25] EN
[54] **FLAVOR INHALER**
[54] **INHALATEUR D'AROME**
[72] AKIYAMA, TAKESHI, JP
[72] ODA, TAKASHI, JP
[73] JAPAN TOBACCO INC., JP
[85] 2018-10-25
[86] 2017-04-25 (PCT/JP2017/016307)
[87] (WO2017/188226)
[30] JP (PCT/JP2016/063201) 2016-04-27

[11] **3,022,421**
[13] C
[51] **Int.Cl. B65D 53/06 (2006.01) H02B 1/28 (2006.01) H02B 1/38 (2006.01) H05K 5/06 (2006.01)**
[25] EN
[54] **ENCLOSURE FOR ELECTRONIC COMPONENTS**
[54] **ENCEINTE POUR COMPOSANTS ELECTRONIQUES DE PUISSANCE**
[72] ANDERSON, WILLIAM CARL, III, US
[73] AMPTHINK, US
[85] 2018-10-26
[86] 2017-04-26 (PCT/US2017/029718)
[87] (WO2017/189777)
[30] US (62/327,960) 2016-04-26
[30] US (15/498,387) 2017-04-26

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[11] **3,024,068**

[13] C

- [51] **Int.Cl. B08B 3/12 (2006.01) B65B 1/12 (2006.01)**
[25] EN
[54] **DOSING APPARATUS FOR POWDER PRODUCTS AND CLEANING METHOD**
[54] **DOSEUR POUR PRODUITS PULVERULENTS ET PROCEDE DE NETTOYAGE**
[72] TREBBI, CLAUDIO, IT
[73] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT
[85] 2018-11-13
[86] 2017-05-22 (PCT/IB2017/052996)
[87] (WO2017/203412)
[30] IT (102016000052717) 2016-05-23

[11] **3,024,856**

[13] C

- [51] **Int.Cl. A47J 27/04 (2006.01)**
[25] FR
[54] **STEAMER ACCESSORY FOR STEAM-HEATING AND/OR STEAMING FOOD IN A CONTAINER**
[54] **ACCESSOIRE CUISEUR VAPEUR POUR CHAUFFER ET/OU CUIRE A LA VAPEUR DES ALIMENTS CONTENUS DANS UN RECIPIENT**
[72] DELRUE, OLIVIER, FR
[72] GUEGAN, LAURENT, FR
[72] SARTOUT, PIERRE, FR
[72] PRIETO, GUILLAUME, FR
[73] SEB S.A., FR
[85] 2018-11-19
[86] 2017-05-29 (PCT/FR2017/051334)
[87] (WO2017/207907)
[30] FR (1654920) 2016-05-31

[11] **3,025,126**

[13] C

- [51] **Int.Cl. C08F 20/60 (2006.01) B01D 21/01 (2006.01) C08F 20/34 (2006.01) D21H 17/45 (2006.01) D21H 21/18 (2006.01)**
[25] EN
[54] **POLYMER, METHOD FOR PRODUCING POLYMER AND POLYMER FLOCCULANT**
[54] **POLYMER, PROCEDE DE PRODUCTION DE POLYMER ET FLOCCULANT POLYMER**
[72] MUKUNOKI, KAZUNORI, JP
[72] HATTORI, TOSHIKI, JP
[72] SUWABE, SHIN, JP
[72] MORI, YASU HARU, JP
[73] MITSUBISHI CHEMICAL CORPORATION, JP
[85] 2018-11-21
[86] 2017-05-30 (PCT/JP2017/020033)
[87] (WO2017/209105)
[30] JP (2016-108201) 2016-05-31

[11] **3,025,207**

[13] C

- [51] **Int.Cl. B23B 27/04 (2006.01) B23B 29/04 (2006.01)**
[25] EN
[54] **HOLDER FOR A TOOL FOR MATERIAL-REMOVING MACHINING, IN PARTICULAR FOR A LONGITUDINAL TURNING TOOL**
[54] **SUPPORT POUR UN OUTIL D'USINAGE PAR ENLEVEMENT DE COPEAUX, EN PARTICULIER POUR UN OUTIL DE TOURNAGE LONGITUDINAL**
[72] NOUREDDINE, HASSAN, DE
[73] HARTMETALL-WERKZEUGFABRIK PAUL HORN GMBH, DE
[85] 2018-11-22
[86] 2017-05-18 (PCT/EP2017/061942)
[87] (WO2017/198759)
[30] DE (10 2016 109 327.0) 2016-05-20

[11] **3,027,264**

[13] C

- [51] **Int.Cl. A61F 9/04 (2006.01) A42B 3/22 (2006.01) G02C 7/02 (2006.01) G02C 7/16 (2006.01)**
[25] EN
[54] **PROTECTIVE SHIELD WITH ARCULATE LENS PORTION HAVING A HORIZONTALLY VARYING VERTICAL CURVATURE**
[54] **ECRAN PROTECTEUR AVEC LENTILLE ARQUEE AYANT UNE COURBURE VERTICALE VARIANT HORIZONTALEMENT**
[72] SPRATT, RAY STEVEN, US
[73] CARL ZEISS VISION INTERNATIONAL GMBH, DE
[85] 2018-12-11
[86] 2017-06-29 (PCT/EP2017/066183)
[87] (WO2018/002253)
[30] US (PCT/US2016/040433) 2016-06-30

[11] **3,027,292**

[13] C

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[25] EN
[54] **PRESSURE PUMP BALANCING SYSTEM**
[54] **SYSTEME D'EQUILIBRAGE DE POMPE DE PRESSION**
[72] BEISEL, JOSEPH A., US
[72] STEPHENSON, STANLEY V., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-12-10
[86] 2016-09-15 (PCT/US2016/051921)
[87] (WO2018/052425)

[11] **3,027,720**

[13] C

- [51] **Int.Cl. B65G 23/08 (2006.01)**
[25] EN
[54] **DRUM MOTOR WITH ALTERNATIVE TRANSMISSION MOUNT**
[54] **MOTEUR-TAMBOUR A LOGEMENT DE TRANSMISSION ALTERNATIF**
[72] MANS, ERWIN, DE
[73] INTERROLL HOLDING AG, CH
[85] 2018-12-13
[86] 2017-06-29 (PCT/EP2017/066173)
[87] (WO2018/002246)
[30] DE (10 2016 112 054.5) 2016-06-30

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[11] **3,027,758**
[13] C

[51] **Int.Cl. B65G 65/00 (2006.01) B23Q 7/14 (2006.01) B65G 1/02 (2006.01) B65G 1/04 (2006.01)**

[25] EN

[54] **SYSTEM FOR TRANSPORTING AND TRANSFERRING A MOVABLE RACK ASSEMBLY AND TRANSFER CART ASSEMBLY THEREFOR**

[54] **SYSTEME DE TRANSPORT ET DE TRANSFERT D'UN ENSEMBLE BÂTI MOBILE ET ENSEMBLE CHARIOT DE TRANSFERT ASSOCIE**

[72] GROU, FRANCIS, CA

[73] STERIS, INC., US

[85] 2018-12-13

[86] 2017-06-29 (PCT/US2017/039867)

[87] (WO2018/005723)

[30] US (62/357,531) 2016-07-01

[30] US (15/636,185) 2017-06-28

[11] **3,029,494**
[13] C

[51] **Int.Cl. B31D 5/00 (2017.01)**

[25] EN

[54] **DUNNAGE CONVERSION MACHINE AND METHOD**

[54] **MACHINE DE CONVERSION DE FARDAGE ET METHODE**

[72] CHEICH, ROBERT C., US

[72] TONEFF, STEVEN M., US

[72] CALS, HUBERTUS J.M., NL

[72] DEMMERS, RAIMOND P.M., NL

[72] HENDRIX, RONNY HUBERTUS JOSEPH, NL

[72] DRIEHUIJS, JOHANNES HERMANUS WILHELMUS, NL

[72] DOMINAK, STEPHEN LOUIS, US

[72] SNIJDERS, ALEXANDRA, NL

[72] SCHLEGEL, CARRIE, US

[72] BAYT, THOMAS, US

[72] PARK, KEVIN W., US

[72] WAGNER, DENNIS, US

[73] RANPAK CORP., US

[85] 2018-12-27

[86] 2017-06-30 (PCT/US2017/040168)

[87] (WO2018/005902)

[30] US (62/357,322) 2016-06-30

[11] **3,030,654**
[13] C

[51] **Int.Cl. B61F 5/26 (2006.01) B61F 5/30 (2006.01) B61F 5/32 (2006.01) B61F 5/52 (2006.01)**

[25] EN

[54] **RAILWAY TRUCK WITH IMPROVED BEARING ADAPTER**

[54] **BOGIE FERROVIAIRE A ADAPTEUR DE PALIER AMELIORE**

[72] COSEGLIA, JOHN, US

[72] PEETZ, SHAWN, US

[73] AMSTED RAIL COMPANY, INC., US

[85] 2019-01-11

[86] 2017-06-30 (PCT/US2017/040298)

[87] (WO2018/013364)

[30] US (15/208,200) 2016-07-12

[11] **3,031,941**
[13] C

[51] **Int.Cl. C07C 41/06 (2006.01) B01D 53/22 (2006.01) C07C 7/08 (2006.01) C07C 7/144 (2006.01) C07C 11/08 (2006.01) C07C 43/04 (2006.01) C10G 70/04 (2006.01)**

[25] EN

[54] **PARAFFIN REMOVAL FROM C4 CONTAINING STREAMS**

[54] **ELIMINATION DE PARAFFINES DANS DES COURANTS CONTENANT DES C4**

[72] KEYVANI, MAJID, US

[72] SAWYER, GARY A., US

[72] BEHKISH, ARSAM, US

[73] LYONDELL CHEMICAL TECHNOLOGY, L.P., US

[85] 2019-01-24

[86] 2017-07-26 (PCT/US2017/043972)

[87] (WO2018/022766)

[30] US (62/367,914) 2016-07-28

[11] **3,031,970**
[13] C

[51] **Int.Cl. B65D 30/04 (2006.01) D04H 1/435 (2012.01) B65D 33/25 (2006.01) D04H 1/44 (2006.01)**

[25] EN

[54] **FULLY-DEGRADABLE HEAT-INSULATING ENVIRONMENTALLY-FRIENDLY PACKAGING BAG FOR EXPRESS DELIVERY**

[54] **SAC D'EMBALLAGE ECOLOGIQUE THERMO-ISOLANT ENTIEREMENT BIODEGRADABLE POUR LIVRAISON EXPRESS**

[72] MIAO, WENQIU, CN

[72] MIAO, GUANGYI, CN

[73] WINTERSUN CO., LTD., CN

[86] (3031970)

[87] (3031970)

[22] 2019-01-30

[30] CN (201811175132.2) 2018-10-10

[11] **3,035,911**
[13] C

[51] **Int.Cl. H04L 5/00 (2006.01) H04W 72/04 (2009.01) H04B 7/02 (2018.01)**

[25] EN

[54] **VARIABLE PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) SIGNALING AND TRANSMISSION**

[54] **SIGNALISATION ET TRANSMISSION DE CANAL DE COMMANDE DE LIAISON MONTANTE PHYSIQUE VARIABLE (PUCCH)**

[72] JOHN WILSON, MAKESH PRAVIN, US

[72] LUO, TAO, US

[72] NAGARAJA, SUMEETH, US

[72] AKKARAKARAN, SONY, US

[73] QUALCOMM INCORPORATED, US

[85] 2019-03-05

[86] 2017-09-05 (PCT/US2017/050135)

[87] (WO2018/067257)

[30] US (62/405,789) 2016-10-07

[30] US (62/469,710) 2017-03-10

[30] US (62/470,188) 2017-03-10

[30] US (15/630,276) 2017-06-22

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[11] **3,036,438**
[13] C

- [51] **Int.Cl. G01D 21/00 (2006.01) H04W 4/12 (2009.01) E03B 7/09 (2006.01) E03B 9/02 (2006.01) F16K 37/00 (2006.01) G08B 21/18 (2006.01) H04B 1/38 (2015.01) H04L 12/58 (2006.01)**
- [25] EN
- [54] **SYSTEMS AND METHODS FOR DYNAMIC SQUELCHING IN RADIO FREQUENCY DEVICES**
- [54] **SYSTEMES ET PROCESSES POUR EXECUTER UNE SUPPRESSION DYNAMIQUE DANS DES DISPOSITIFS RADIOFREQUENCE**
- [72] SPLITZ, DAVID E., US
- [72] SHOESMITH, WILLIAM C., US
- [72] GRADY, ROBERT H., US
- [73] MUELLER INTERNATIONAL, LLC, US
- [86] (3036438)
- [87] (3036438)
- [22] 2012-01-20
- [62] 2,850,059
- [30] US (13/283,526) 2011-10-27
- [30] US (13/339,655) 2011-12-29

[11] **3,038,083**
[13] C

- [51] **Int.Cl. G02C 7/10 (2006.01) G02B 1/10 (2015.01)**
- [25] EN
- [54] **SPECTACLE LENS AND SPECTACLES**
- [54] **VERRES DE LUNETTES ET LUNETTES**
- [72] OGO, YOICHI, JP
- [73] HOYA LENS THAILAND LTD., TH
- [85] 2019-03-26
- [86] 2018-09-28 (PCT/JP2018/036298)
- [87] (WO2019/065985)
- [30] JP (2017-191691) 2017-09-29

[11] **3,038,311**
[13] C

- [51] **Int.Cl. B64C 25/36 (2006.01) B64C 25/40 (2006.01) B64C 25/42 (2006.01)**
- [25] FR
- [54] **LANDING GEAR FOR AN AIRCRAFT WITH A BOGIE INCLUDING WHEELS WITH BRAKES AND AT LEAST ONE MOTORIZED WHEEL**
- [54] **ATTERRISSEUR D'AERONEF A BOGIE PORTANT DES ROUES FREINEES ET AU MOINS UNE ROUE MOTORISEE**
- [72] DEVILLERS, CHRISTOPHE, FR
- [72] RAVEL, JEAN-YVES, FR
- [72] GUI, JEROME, FR
- [73] SAFRAN LANDING SYSTEMS, FR
- [86] (3038311)
- [87] (3038311)
- [22] 2019-03-27
- [30] FR (18 52756) 2018-03-29

[11] **3,045,426**
[13] C

- [51] **Int.Cl. B23K 9/32 (2006.01) B23K 9/16 (2006.01)**
- [25] EN
- [54] **WELDING PURGE DAM WITH APERTURED PURGE PLATES**
- [54] **BARRAGE DE PURGE DE SOUDAGE A PLAQUES DE PURGE A OUVERTURES**
- [72] HACIKYAN, MICHAEL, US
- [73] HACIKYAN, MICHAEL, US
- [85] 2019-05-29
- [86] 2017-10-20 (PCT/US2017/057682)
- [87] (WO2018/102045)
- [30] US (15/366,690) 2016-12-01

[11] **3,048,740**
[13] C

- [51] **Int.Cl. G06F 16/27 (2019.01) G06F 16/22 (2019.01)**
- [25] EN
- [54] **BLOCKCHAIN-BASED DATA PROCESSING METHOD AND DEVICE**
- [54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE DONNEES BASES SUR UNE CHAINE DE BLOCS**
- [72] QIU, HONGLIN, CN
- [73] ALIBABA GROUP HOLDING LIMITED, KY
- [85] 2019-06-27
- [86] 2018-03-26 (PCT/CN2018/080501)
- [87] (WO2018/177250)
- [30] CN (201710190740.X) 2017-03-28

[11] **3,057,522**
[13] C

- [51] **Int.Cl. A24F 40/90 (2020.01) A24F 40/95 (2020.01) A24F 47/00 (2020.01) A61M 11/00 (2006.01) A61M 15/06 (2006.01) H02J 7/00 (2006.01) H05K 1/14 (2006.01) H02J 50/10 (2016.01)**
- [25] EN
- [54] **VAPORIZATION DEVICE CHARGER**
- [54] **CHARGEUR D'APPAREIL DE VAPORISATION**
- [72] FORNARELLI, THOMAS, US
- [73] DB INNOVATION INC., US
- [86] (3057522)
- [87] (3057522)
- [22] 2019-10-03
- [30] US (16/151,127) 2018-10-03

[11] **3,060,272**
[13] C

- [51] **Int.Cl. G10G 5/00 (2006.01)**
- [25] EN
- [54] **DEVICE FOR SUPPORTING A SAXOPHONE**
- [54] **DISPOSITIF POUR SOUTENIR UN SAXOPHONE**
- [72] GRANIC, MATEO, AT
- [73] GRANIC, MATEO, AT
- [85] 2019-10-15
- [86] 2019-01-22 (PCT/IB2019/050539)
- [87] (WO2019/145858)
- [30] AT (A 23/2018) 2018-01-23

[11] **3,060,459**
[13] C

- [51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/40 (2020.01) A24F 47/00 (2020.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01) H02J 7/00 (2006.01) H02J 13/00 (2006.01)**
- [25] EN
- [54] **POWER SUPPLY UNIT FOR AEROSOL INHALER, AND CONTROL METHOD AND CONTROL PROGRAM OF THE SAME**
- [54] **UNITE D'ALIMENTATION ELECTRIQUE POUR INHALATEUR D'AEROSOL, ET PROCEDE DE CONTROL ET PROGRAMME DE CONTROL AFFERENTS**
- [72] AKAO, TAKESHI, JP
- [73] JAPAN TOBACCO INC., JP
- [86] (3060459)
- [87] (3060459)
- [22] 2019-10-28

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[11] **3,061,452**
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/04 (2006.01) E21B 43/16 (2006.01)**

[25] EN

[54] **DEPRESSURIZING OIL RESERVOIRS FOR SAGD**

[54] **DEPRESSURISATION DE RESERVOIRS DE PETROLE POUR SAGD**

[72] REDMAN, ROBERT S., US

[72] GAMAGE, SILUNI L., US

[72] WHEELER, T. J., US

[73] CONOCOPHILLIPS COMPANY, US

[85] 2019-10-24

[86] 2018-04-09 (PCT/US2018/026709)

[87] (WO2018/200179)

[30] US (62/491,232) 2017-04-27

[11] **3,066,668**
[13] C

[51] **Int.Cl. E02B 8/06 (2006.01)**

[25] EN

[54] **ANNULAR MULTI-LEVEL FREE-FALL-TYPE ENERGY-DISSIPATING VERTICAL SHAFT**

[54] **ARBRE ANNULAIRE VERTICAL DE DISSIPATION D'ENERGIE DE TYPE EN CHUTE LIBRE A NIVEAUX MULTIPLES**

[72] ZHANG, RUI, CN

[72] XU, HUI, CN

[72] CHEN, YULING, CN

[72] FENG, JIANGANG, CN

[72] WANG, XIAOSHENG, CN

[73] HOHAI UNIVERSITY, CN

[85] 2019-12-09

[86] 2018-01-26 (PCT/CN2018/074316)

[87] (WO2019/000934)

[30] CN (201710498590.9) 2017-06-26

[11] **3,068,702**
[13] C

[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/00 (2020.01) A61M 15/06 (2006.01)**

[25] EN

[54] **POWER SUPPLY UNIT FOR AEROSOL INHALER**

[54] **BLOC D'ALIMENTATION POUR INHALATEUR D'AEROSOL**

[72] AKAO, TAKESHI, JP

[73] JAPAN TOBACCO INC., JP

[86] (3068702)

[87] (3068702)

[22] 2020-01-16

[30] US (62/793,551) 2019-01-17

[30] JP (2019-035978) 2019-02-28

[11] **3,068,708**
[13] C

[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/40 (2020.01) A61M 15/06 (2006.01)**

[25] EN

[54] **POWER SUPPLY UNIT FOR AEROSOL INHALER**

[54] **BLOC D'ALIMENTATION POUR INHALATEUR D'AEROSOL**

[72] AKAO, TAKESHI, JP

[73] JAPAN TOBACCO INC., JP

[86] (3068708)

[87] (3068708)

[22] 2020-01-16

[30] US (62/793,551) 2019-01-17

[30] JP (2019-035990) 2019-02-28

[11] **3,074,029**
[13] C

[51] **Int.Cl. B01D 61/02 (2006.01) B01D 61/06 (2006.01) B01D 61/08 (2006.01) B01D 61/12 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR OPERATING A HIGH RECOVERY SEPARATION PROCESS**

[54] **PROCEDE ET SYSTEME DE FONCTIONNEMENT D'UN PROCESSUS DE SEPARATION A RECUPERATION ELEVEE**

[72] OKLEJAS, ELI, JR., US

[73] FLUID EQUIPMENT DEVELOPMENT COMPANY, LLC, US

[85] 2020-02-26

[86] 2018-09-25 (PCT/US2018/052576)

[87] (WO2019/060876)

[30] US (62/562,694) 2017-09-25

[30] US (16/138,291) 2018-09-21

[11] **3,074,874**
[13] C

[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/62 (2013.01)**

[25] EN

[54] **MESSAGE SOURCE DETECTION IN A VEHICLE BUS SYSTEM**

[54] **DETECTION DE SOURCE DE MESSAGE DANS UN SYSTEME DE BUS DE VEHICULE**

[72] BITTON, CHARLY, IL

[72] FOK, ALEXANDER, IL

[72] KAMIR, EYAL, IL

[72] MALKA, YONI, IL

[72] FREDKOF, ORIT, IL

[72] ZWICKL, LIRAN, IL

[72] DALI, MENI, IL

[72] FRIEDMAN, URIEL, IL

[73] ENIGMATOS LTD., IL

[85] 2020-03-03

[86] 2019-05-14 (PCT/IL2019/050544)

[87] (WO2020/021525)

[30] US (62/702,371) 2018-07-24

[11] **3,078,119**
[13] C

[51] **Int.Cl. G06K 9/78 (2006.01) G06K 9/46 (2006.01) G06N 3/02 (2006.01) G06Q 50/02 (2012.01)**

[25] EN

[54] **DISEASE RECOGNITION FROM IMAGES HAVING A LARGE FIELD OF VIEW**

[54] **RECONNAISSANCE DE MALADIE A PARTIR D'IMAGES AYANT UN GRAND CHAMP DE VISION**

[72] CHEN, YAQI, US

[72] GUAN, WEI, US

[73] THE CLIMATE CORPORATION, US

[85] 2020-03-31

[86] 2018-10-04 (PCT/US2018/054348)

[87] (WO2019/070963)

[30] US (15/725,284) 2017-10-05

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[13] A1
[51] **Int.Cl. G09F 19/00 (2006.01) E01F 13/04 (2006.01) G07B 15/04 (2006.01)**
[25] EN
[54] **GATE ARM DISPLAY/ADVERTISING COVER**
[54] **DISPOSITIF D'AFFICHAGE POUR BRAS DE BARRIERES/COUVERCLE POUR PUBLICITE**
[72] BADRAN, HIBA, CA
[71] BADRAN, HIBA, CA
[22] 2019-03-27
[41] 2020-09-27

[21] **3,038,171**
[13] A1
[51] **Int.Cl. B63B 22/06 (2006.01) A01K 61/00 (2017.01) B63C 7/26 (2006.01) B65H 75/40 (2006.01)**
[25] EN
[54] **A BUOY APPARATUS AND THE CONTROL SYSTEM**
[54] **DISPOSITIF DE BOUEE ET SYSTEME DE COMMANDE**
[72] CHENG, XIAOGE, CA
[72] WANG, LIBO, CA
[71] MARINE THINKING INC., CA
[22] 2019-03-27
[41] 2020-09-27

[21] **3,038,176**
[13] A1
[51] **Int.Cl. G01P 3/64 (2006.01) G01N 21/25 (2006.01)**
[25] EN
[54] **OBJECT MOTION MAPPING FROM SINGLE-PASS ELECTRO-OPTICAL SATELLITE IMAGING SENSORS**
[54] **MAPPAGE DE MOUVEMENT D'OBJETS A PARTIR DE CAPTEURS D'IMAGERIE PAR SATELLITE ELECTRO-OPTIQUES A PASSAGE UNIQUE**
[72] MCARDLE, STEVEN, CA
[72] PHAM, TRUNG, CA
[72] YANG, JIAN, CA
[72] HOSSEINI, MEHDI, CA
[71] 4DM INC., CA
[22] 2019-03-27
[41] 2020-09-27

[21] **3,038,194**
[13] A1
[51] **Int.Cl. A01M 29/12 (2011.01) F41H 9/10 (2006.01)**
[25] EN
[54] **COMBINATION ANIMAL DETERRENT CANISTER AND CARRIER DEVICE**
[54] **CARTOUCHE DE DISSUASION D'ANIMAL COMBINEE ET DISPOSITIF DE TRANSPORT**
[72] HAIGH, DUSTIN, CA
[71] HAIGH, DUSTIN, CA
[22] 2019-03-27
[41] 2020-09-27

[21] **3,038,278**
[13] A1
[51] **Int.Cl. G16Z 99/00 (2019.01) G06F 16/903 (2019.01)**
[25] EN
[54] **METHOD FOR CREATING A DATA INPUT FILE FOR INCREASING THE EFFICIENCY OF THE AVIATION ENVIRONMENTAL DESIGN TOOL (AEDT)**
[54] **PROCEDE DE CREATION D'UN FICHIER D'ENTREE DE DONNEES POUR AUGMENTER L'EFFICACITE DE L'AVIATION ENVIRONMENTAL DESIGN TOOL (AEDT) (OUTIL DE CONCEPTION ENVIRONNEMENTALE POUR L'AVIATION)**
[72] KARMELICH, MARK, US
[72] DUNHOLTER, PAUL, US
[72] ZIEGLER, PAUL, US
[71] TETRA TECH, INC., US
[22] 2019-03-28
[41] 2020-09-28

[21] **3,038,297**
[13] A1
[51] **Int.Cl. G06F 21/57 (2013.01) G06F 21/30 (2013.01) G06F 21/62 (2013.01)**
[25] EN
[54] **DYNAMIC SECURITY CONTROLS FOR DATA SHARING BETWEEN SYSTEMS**
[54] **COMMANDES DYNAMIQUES DE SECURITE POUR LE PARTAGE DE DONNEES ENTRE DES SYSTEMES**
[72] DUNJIC, MILOS, CA
[72] NGUYEN, ANTHONY HAITUYEN, CA
[72] KLIEWER, GREGORY ALBERT, CA
[72] TAX, DAVID SAMUEL, CA
[72] POGULURU, SAIRAM SRINIVASA, CA
[72] BHAT, SHISHIR DATTATRAYA, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-03-28
[41] 2020-09-28

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[21] **3,038,315**
[13] A1

[51] **Int.Cl. B21J 19/00 (2006.01) B21J 19/02 (2006.01)**
[25] EN
[54] **KIT COMPRISING COMPONENTS MADE FROM PLANAR SHEET MATERIAL FOR FORMING FORGE TABLE AND FORGE POT, AND VALVE COMPONENT FOR SELECTIVELY COMMUNICATING AIRFLOW SOURCE AND FORGE POT**

[54] **ENSEMBLE COMPRENANT DES COMPOSANTS FABRIQUES A PARTIR D'UN MATERIAU PLAN POUR LA FORMATION DE FEUILLES POUR FORMER UNE TABLE DE FORGEAGE ET UN POT DE FORGEAGE, ET VANNE POUR ETABLIR SELECTIVEMENT UNE COMMUNICATION ENTRE UNE SOURCE D'ECOULEMENT D'AIR ET UN POT DE FORGEAGE**

[72] JENKINS, MATTHEW T., CA
[72] RUDOLPH, KAREN M., CA
[71] CLOVERDALE FORGE, CA
[22] 2019-03-28
[41] 2020-09-28

[21] **3,038,326**
[13] A1

[51] **Int.Cl. A24B 15/18 (2006.01) A23L 29/238 (2016.01)**
[25] EN
[54] **SMOKELESS TOBACCO COMPOSITION**

[54] **COMPOSITION DE TABAC SANS FUMEE**

[72] GESSESSE, ANDINET AMARE, SE
[71] FIEDLER & LUNDGREN AB, SE
[22] 2019-03-27
[41] 2020-09-27

[21] **3,038,374**
[13] A1

[51] **Int.Cl. G09F 17/00 (2006.01)**
[25] EN
[54] **RIGID BANNER SUPPORT ASSEMBLY AND SYSTEM**

[54] **ENSEMBLE ET SYSTEME DE SUPPORT DE BANNIERE RIGIDE**

[72] ARMATA, MITCHELL, CA
[71] BRANDDRIVEN INC., CA
[22] 2019-03-29
[41] 2020-09-29

[21] **3,038,438**
[13] A1

[51] **Int.Cl. A47G 9/10 (2006.01)**
[25] EN
[54] **BIOCRISTAL BUTTERFLY PILLOW**

[54] **OREILLER BIOCRISTAL SOUS FORME DE PAPILLON**

[72] HE, PEIHUI H. P. H., CA
[71] HE, PEIHUI H. P. H., CA
[22] 2019-03-29
[41] 2020-09-29

[21] **3,038,439**
[13] A1

[51] **Int.Cl. E04F 11/02 (2006.01)**
[25] EN
[54] **LANDING ASSEMBLY**

[54] **ENSEMBLE DE PALIERS**

[72] SLAMA, KEVIN, CA
[71] SLAMA, KEVIN, CA
[22] 2019-03-29
[41] 2020-09-29

[21] **3,038,445**
[13] A1

[51] **Int.Cl. F16J 15/3208 (2016.01) F04B 37/10 (2006.01) F04B 53/00 (2006.01) F04D 29/08 (2006.01) F16J 15/24 (2006.01)**
[25] EN
[54] **SEAL ASSEMBLY**

[54] **ENSEMBLE D'ETANCHEITE**

[72] MADOCHE, JODY, CA
[71] MADOCHE, JODY, CA
[22] 2019-03-29
[41] 2020-09-29

[21] **3,038,447**
[13] A1

[51] **Int.Cl. B66C 13/08 (2006.01) B66C 1/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR ADJUSTING AN ORIENTATION OF A SUSPENDED LOAD**

[54] **APPAREIL POUR ADAPTER L'ORIENTATION D'UNE CHARGE SUSPENDUE**

[72] FORMOSA, JOEL, CA
[71] FORMOSA, JOEL, CA
[22] 2019-03-29
[41] 2020-09-29

[21] **3,038,458**
[13] A1

[51] **Int.Cl. B60R 3/02 (2006.01) B65D 25/22 (2006.01)**
[25] EN
[54] **PIVOTING STEP WITH ROLLER**

[54] **MARCHE PIVOTANTE AVEC ROULEAU**

[72] OLSON, BRIAN R., CA
[71] POWER PIN INC., CA
[22] 2019-03-29
[41] 2020-09-29

[21] **3,038,506**
[13] A1

[51] **Int.Cl. G07C 13/00 (2006.01)**
[25] EN
[54] **COMPUTERIZED VOTING SYSTEM**

[54] **SYSTEME DE VOTE INFORMATISE**

[72] ONISCHUK, DANIEL W., CA
[72] UNKNOWN, XX
[71] ONISCHUK, DANIEL W., CA
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,543**
[13] A1

[51] **Int.Cl. G06K 19/077 (2006.01) G06K 19/02 (2006.01)**
[25] EN
[54] **PHYSICAL UNCLONABLE FUNCTIONS IN BANK CARDS OR IDENTIFICATION CARDS FOR SECURITY**

[54] **FONCTIONS PHYSIQUES INCLONABLES SUR CARTES BANCAIRES OU CARTES D'IDENTIFICATION POUR LA SECURITE**

[72] CANNON, ROGER STEVEN, US
[72] CORBETT, WILLIAM, US
[72] DENTON, GARY A., US
[72] SULLIVAN, CARL E., US
[72] DRUMMON, JAMES PAUL, US
[72] KILLEEN, KELLY ANN, US
[71] LEXMARK INTERNATIONAL, INC., US
[22] 2019-03-29
[41] 2020-09-29

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[21] **3,038,545**
[13] A1

[51] **Int.Cl. H01L 23/29 (2006.01)**
[25] EN
[54] **PHYSICAL UNCLONABLE FUNCTIONS IN INTEGRATED CIRCUIT CHIP PACKAGING FOR SECURITY**

[54] **FONCTIONS PHYSIQUES INCLONABLES SUR ENSEMBLE DE BOITIERS DE PUCE DE CIRCUIT INTEGRE POUR LA SECURITE**

[72] BUSH, STEPHEN P., US
[72] DENTON, GARY A., US
[72] DRUMMOND, JAMES PAUL, US
[72] KILLEEN, KELLY ANN, US
[72] SULLIVAN, CARL E., US
[71] LEXMARK INTERNATIONAL, INC., US
[22] 2019-03-29
[41] 2020-09-29

[21] **3,038,549**
[13] A1

[51] **Int.Cl. H04W 4/70 (2018.01) H04W 4/021 (2018.01) H04W 4/80 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM ENABLES PAY-PER-USE OF LAUNDRY MACHINES**

[54] **PROCEDE ET SYSTEME PERMETTANT L'UTILISATION DE MACHINES A LAVER A PAIEMENT A L'UTILISATION**

[72] WEN, BRIAN B. W., CA
[71] WEN, BRIAN B. W., CA
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,555**
[13] A1

[51] **Int.Cl. A01K 85/01 (2006.01)**
[25] EN
[54] **BAITPRO TEK**
[54] **BAITPROTEK**

[72] BUHLER, GARRY D., CA
[71] BUHLER, GARRY D., CA
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,556**
[13] A1

[51] **Int.Cl. C02F 5/12 (2006.01) C02F 5/08 (2006.01) C09K 8/528 (2006.01) C10G 75/04 (2006.01) E21B 37/06 (2006.01)**
[25] EN
[54] **COMPOSITION USEFUL IN SULFATE SCALE REMOVAL**

[54] **COMPOSITION SERVANT A L'ELIMINATION DE TARTRE DE SULFATE**

[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] NORDAA, STIG MAGNOR, NO
[71] FLUID ENERGY GROUP LTD., CA
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,559**
[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01) G06Q 20/10 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR LOCATION BASED COOKING PAIRING**

[54] **SYSTEME ET PROCEDE D'ACCORDS DE METS EN FONCTION DE L'EMPLACEMENT**

[72] DHALI WAL, IQBAL, CA
[71] DHALI WAL, IQBAL, CA
[22] 2019-04-01
[41] 2020-09-30
[30] US (16371081) 2019-03-31

[21] **3,038,561**
[13] A1

[51] **Int.Cl. G09F 1/12 (2006.01) B62D 47/00 (2006.01) G09F 23/00 (2006.01)**
[25] EN
[54] **PRINTED MEDIA DISPLAY WITH DOUBLE SHEET OR TILTING WINDOWS TO INSERT OR REPLACE EXPOSED MEDIA**

[54] **DISPOSITIF D'AFFICHAGE DE SUPPORT IMPRIME AVEC DOUBLE FENETRE OU FENETRE BASCULANTE POUR INSERER OU REMPLACER DES MILIEUX EXPOSES**

[72] PACHECO, ANTONIO R., BR
[72] FILHO, ROBERTO M., US
[71] PACHECO, ANTONIO R., BR
[71] FILHO, ROBERTO M., US
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,566**
[13] A1

[51] **Int.Cl. A47G 9/10 (2006.01)**
[25] EN
[54] **BIOCRISTAL CAMEL PILLOW**
[54] **OREILLER BIOCRISTAL SOUS FORME DE CHAMEAU**

[72] HE, PEIHUI, CA
[71] HE, PEIHUI, CA
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,569**
[13] A1

[51] **Int.Cl. F16L 3/00 (2006.01) B25B 11/02 (2006.01) E03B 7/09 (2006.01) F16L 3/02 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **CONDUIT SUPPORT LOCK BLOCK**

[54] **BLOC DE SERRURE POUR SUPPORT DE CONDUIT**

[72] PERRY, SHAWN F. D., CA
[71] PERRY, SHAWN F. D., CA
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,574**
[13] A1

[51] **Int.Cl. B29C 71/00 (2006.01) B29C 64/106 (2017.01)**
[25] EN
[54] **METHOD OF POST MANUFACTURE PROCESSING OF 3D PRINTED PARTS**

[54] **PROCEDE DE POST-FABRICATION DE PIECES IMPRIMEES EN 3D**

[72] THIESSEN, ROBERT, CA
[71] THIESSEN, ROBERT, CA
[22] 2019-04-01
[41] 2020-10-01

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[21] **3,038,576**
[13] A1

[51] **Int.Cl. A47L 25/00 (2006.01) B05B 1/18 (2006.01) B08B 3/08 (2006.01) B08B 9/027 (2006.01)**

[25] EN
[54] **AN APPARATUS FOR CLEANING A SHOWERHEAD**
[54] **APPAREIL DE NETTOYAGE DE POMME DE DOUCHE**

[72] BRASSEUR, LYNDSEY, CA
[71] BRASSEUR, LYNDSEY, CA
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,578**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) H04L 12/751 (2013.01) H04L 12/26 (2006.01) G08B 21/22 (2006.01)**

[25] EN
[54] **MONITORING NETWORK TRAFFIC TO DETERMINE ASSET UTILIZATION**
[54] **SURVEILLANCE DE TRAFIC DE RESEAU POUR DETERMINER L'UTILISATION D'ACTIFS**

[72] HOLMQUIST, ZACHARY DEAN, US
[72] ROSS, RON, US
[72] ADAMSON, DAL, US
[72] PACIFIC, JOHN LELAND, US
[71] WEWORK COMPANIES INC., US
[22] 2019-03-29
[41] 2020-09-29

[21] **3,038,579**
[13] A1

[51] **Int.Cl. B32B 27/04 (2006.01) B32B 27/12 (2006.01) B32B 37/15 (2006.01)**

[25] EN
[54] **FUSED POWDER LAMINATE AND COMPOSITE**
[54] **STRATIFIE EN POUDRE FONDUE ET COMPOSITE**

[72] MACKELVIE, WINSTON, CA
[71] MACKELVIE, WINSTON, CA
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,584**
[13] A1

[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/14 (2006.01)**

[25] EN
[54] **PUPIL TRACKING SYSTEM AND METHOD, AND DIGITAL DISPLAY DEVICE AND DIGITAL IMAGE RENDERING SYSTEM AND METHOD USING SAME**
[54] **SYSTEME ET PROCEDE DE SUIVI DE LA PUPILLE, ET DISPOSITIF D'AFFICHAGE NUMERIQUE ET SYSTEME ET PROCEDE DE RENDU D'IMAGE NUMERIQUE**

[72] GOTSCH, DANIEL, CA
[71] EVOLUTION OPTIKS LIMITED, BB
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,611**
[13] A1

[51] **Int.Cl. B62B 1/18 (2006.01) B62B 1/22 (2006.01)**

[25] FR
[54] **WHEELBARROW FOR SPREADING A MATERIAL**
[54] **BROUETTE POUR L'EPANDAGE D'UN MATERIAU**

[72] VALLEZ, BERNARD, FR
[71] VALLEZ, BERNARD, FR
[22] 2019-03-29
[41] 2020-09-29

[21] **3,038,636**
[13] A1

[51] **Int.Cl. F02D 23/00 (2006.01) F02B 33/00 (2006.01) F02D 29/06 (2006.01) F02D 41/14 (2006.01)**

[25] EN
[54] **INTERNAL COMBUSTION ENGINE**
[54] **MOTEUR A COMBUSTION INTERNE**

[72] SPYRA, NIKOLAUS, AT
[72] VOGL, LUKAS, AT
[72] LOPEZ, FRANCISCO, AT
[72] UNDEVALL, LUKAS, AT
[71] INNIO JENBACHER GMBH & CO OG, AT
[22] 2019-04-01
[41] 2020-10-01

[21] **3,038,751**
[13] A1

[51] **Int.Cl. G06F 17/40 (2006.01)**

[25] EN
[54] **CLOUD-BASED CLINICAL LOGGING**
[54] **EXPLOITATION CLINIQUE DANS LE NUAGE**

[72] GARG, RAGHAV, US
[72] GARG, MANISH, US
[71] GOODDOC, LLC, US
[22] 2019-04-02
[41] 2020-10-02

[21] **3,038,752**
[13] A1

[51] **Int.Cl. A61F 5/03 (2006.01) A41C 3/00 (2006.01) A41C 3/12 (2006.01) A61F 5/02 (2006.01)**

[25] EN
[54] **EXTENSION PLACKET FOR COMPRESSION GARMENT**
[54] **EMPIECEMENT DE RALLONGE POUR VETEMENT DE COMPRESSION**

[72] MARKWALD, HOLLI, CA
[71] PRAIRIE WEAR LTD., CA
[22] 2019-04-02
[41] 2020-10-02

[21] **3,038,786**
[13] A1

[51] **Int.Cl. G06F 16/27 (2019.01) G06Q 20/06 (2012.01) G06F 21/62 (2013.01)**

[25] EN
[54] **RECONCILIATION OF INDIRECTLY EXECUTED EXCHANGES OF DATA USING PERMISSIONED DISTRIBUTED LEDGERS**
[54] **RAPPROCHEMENT D'ECHANGES DE DONNEES A EXECUTION INDIRECTE AU MOYEN DE LIVRES DISTRIBUES AVEC AUTORISATION**

[72] DUNJIC, MILOS, CA
[72] CHOW, ARTHUR CARROLL, CA
[72] TAX, DAVID SAMUEL, CA
[72] ROUHANI, ARMON, CA
[72] JOHEB, ASAD, CA
[72] HATHERLY, SARA, CA
[72] AJMANI, KEITH SANJAY, CA
[72] JOHNSON, LIONEL, CA
[72] LIU, YUBING, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-04-02
[41] 2020-10-01
[30] US (16/371,594) 2019-04-01

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[21] **3,038,923**
[13] A1

[51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/04 (2006.01) C02F 1/28 (2006.01) C02F 1/38 (2006.01) C02F 9/00 (2006.01)**

[25] EN

[54] **METHOD TO SEPARATE AND REMOVE FLUORIDE FROM LITHIUM MINERAL SPRING WATER**

[54] **METHODE POUR SEPARER ET RETIRER LE FLUORURE DE L'EAU DE SOURCE (MINERAL DE LITHIUM)**

[72] PAN, GEORGE, CA
[71] PAN, GEORGE, CA
[22] 2019-04-03
[41] 2020-10-03

[21] **3,038,935**
[13] A1

[51] **Int.Cl. H01R 4/66 (2006.01) H02G 9/02 (2006.01)**

[25] EN

[54] **GROUNDING PLATE AND METHODS OF SHIPPING AND INSTALLING A GROUNDING PLATE**

[54] **PLAQUE DE MISE A LA TERRE ET METHODES D'EXPEDITION ET D'INSTALLATION D'UNE PLAQUE DE MISE A LA TERRE**

[72] JOHNSON, ROBERT, CA
[71] JOHNSON, ROBERT, CA
[22] 2019-04-03
[41] 2020-10-03

[21] **3,039,963**
[13] A1

[51] **Int.Cl. C09K 11/02 (2006.01) E01F 9/524 (2016.01) E01F 9/559 (2016.01) B28C 5/00 (2006.01) C04B 28/00 (2006.01) E01C 5/22 (2006.01) E01C 17/00 (2006.01) F21K 2/00 (2006.01)**

[25] EN

[54] **PAVING BLOCK WITH IMPROVED ILLUMINATION**

[54] **PAVE AVEC ILLUMINATION AMELIOREE**

[72] TOMA, ALAA, US
[72] KETTY, JOHN, US
[72] ECKHOUS, JEREMY P., US
[71] TOMA, ALAA, US
[71] KETTY, JOHN, US
[71] ECKHOUS, JEREMY P., US
[22] 2019-04-10
[41] 2020-10-02
[30] US (16/373,082) 2019-04-02

[21] **3,038,926**
[13] A1

[51] **Int.Cl. B60S 3/04 (2006.01) B60S 3/06 (2006.01)**

[25] EN

[54] **VEHICLE WHEEL CLEANING APPARATUS**

[54] **APPAREIL DE NETTOYAGE DE ROUES DE VEHICULE**

[72] BRODERSEN, DEAN, CA
[72] BRANDL, AMY, CA
[71] BRODERSEN, DEAN, CA
[71] BRANDL, AMY, CA
[22] 2019-04-03
[41] 2020-10-02
[30] US (16373574) 2019-04-02

[21] **3,038,946**
[13] A1

[51] **Int.Cl. G01K 1/14 (2006.01) H04W 4/38 (2018.01) G01K 1/02 (2006.01)**

[25] EN

[54] **DEVICE FOR MEASURING THE EXTERNAL TEMPERATURE OF A BOTTLE COMPRISING A LIQUID**

[54] **DISPOSITIF DE MESURE DE LA TEMPERATURE EXTERIEURE D'UNE BOUTEILLE REMPLIE DE LIQUIDE**

[72] KEENAN, PAUL, CA
[71] KEENAN, PAUL, CA
[22] 2019-04-03
[41] 2020-10-03

[21] **3,049,232**
[13] A1

[51] **Int.Cl. G01N 1/28 (2006.01) G01N 1/31 (2006.01) G01N 35/00 (2006.01)**

[25] EN

[54] **SLIDE IDENTIFICATION SENSOR**

[54] **CAPTEUR D'IDENTIFICATION DE LAMES**

[72] VON BUEREN, ERICO, US
[72] VON BUEREN, NICCOLO, US
[72] BUI, XUAN S., US
[71] SAKURA FINETEK U.S.A., INC., US
[22] 2019-07-11
[41] 2020-09-29
[30] US (16/370879) 2019-03-29

[21] **3,038,929**
[13] A1

[51] **Int.Cl. B23K 37/02 (2006.01)**

[25] EN

[54] **WELDING TOOL AND METHOD OF USING A WELDING TOOL**

[54] **OUTIL DE SOUDAGE ET METHODE D'UTILISATION D'UN OUTIL DE SOUDAGE**

[72] CUPIDO, WILFRED JEROME, CA
[72] LEDER, JOHN, CA
[71] SUPREME GROUP LP, CA
[22] 2019-04-02
[41] 2020-10-01
[30] US (16/372,311) 2019-04-01

[21] **3,038,952**
[13] A1

[51] **Int.Cl. E21F 13/08 (2006.01) B60P 1/38 (2006.01) B65G 65/02 (2006.01) B65G 67/04 (2006.01)**

[25] EN

[54] **VEHICLE AND PROCESS FOR MOVING COARSE ORE UNDERGROUND**

[54] **VEHICULE ET PROCEDE POUR DEPLACER DU MINERAI GROSSIER SOUTERRAIN**

[72] MORRISON, DOUGLAS, CA
[71] MORRISON, DOUGLAS, CA
[22] 2019-04-03
[41] 2020-10-03

[21] **3,053,820**
[13] A1

[51] **Int.Cl. F16B 2/20 (2006.01) A41F 1/02 (2006.01) D07B 1/18 (2006.01) E04H 15/64 (2006.01) F16B 45/00 (2006.01)**

[25] EN

[54] **TARPAULIN CLAMP**

[54] **PINCE POUR BACHE**

[72] ZOLTEK, RICHARD J., CA
[71] ZOLTEK, RICHARD J., CA
[22] 2019-09-03
[41] 2020-09-28
[30] US (16/368,125) 2019-03-28

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[21] **3,053,885**
[13] A1

[51] **Int.Cl. A61K 47/58 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MACROMOLECULAR ANTICANCER AGENT**
[54] **AGENT ANTICANCEREUX MACROMOLECULAIRE**
[72] MAEDA, HIROSHI, JP
[72] ISLAM, WALIUL, JP
[71] BIODYNAMIC RESEARCH FOUNDATION, JP
[22] 2019-09-03
[41] 2020-09-28
[30] JP (2019-064562) 2019-03-28

[21] **3,056,824**
[13] A1

[51] **Int.Cl. H01M 4/136 (2010.01) H01M 10/0525 (2010.01) H01M 4/62 (2006.01)**
[25] EN
[54] **POSITIVE ELECTRODE MATERIAL FOR LITHIUM-ION SECONDARY BATTERIES, POSITIVE ELECTRODE FOR LITHIUM-ION SECONDARY BATTERIES, AND LITHIUM-ION SECONDARY BATTERY**
[54] **MATERIAU D'ELECTRODE POSITIVE POUR BATTERIES SECONDAIRES AU LITHIUM-ION, ELECTRODE POSITIVE POUR BATTERIES SECONDAIRES AU LITHIUM-ION, ET BATTERIE SECONDAIRE AU LITHIUM-ION**
[72] NOZOE, TSUTOMU, JP
[72] NAKANO, TOYOMASA, JP
[71] SUMITOMO OSAKA CEMENT CO., LTD., JP
[22] 2019-09-26
[41] 2020-09-28
[30] JP (2019-063056) 2019-03-28

[21] **3,057,348**
[13] A1

[51] **Int.Cl. A24F 1/30 (2006.01)**
[25] EN
[54] **WATER PIPE**
[54] **CONDUITE D'EAU**
[72] LENOIR, ESTHER JOY, US
[72] PHO, VINH DO, US
[72] FOLEY, CAMDEN LEE, US
[72] BERTAIN, SAMUEL TIMOTHY DAVIS, US
[71] SESSION CORP., US
[22] 2019-10-02
[41] 2020-10-03
[30] US (62/828,886) 2019-04-03
[30] US (16/589,930) 2019-10-01

[21] **3,057,954**
[13] A1

[51] **Int.Cl. B60B 33/00 (2006.01) B60T 1/06 (2006.01)**
[25] EN
[54] **CASTER WHEEL**
[54] **ROUE PIVOTANTE**
[72] HALLER, MITCHELL J., US
[72] BOURNOVILLE, ALEX G., US
[71] SNAP-ON INCORPORATED, US
[22] 2019-10-08
[41] 2020-09-27
[30] US (16/366,146) 2019-03-27

[21] **3,060,286**
[13] A1

[51] **Int.Cl. E21B 17/03 (2006.01) E21B 17/05 (2006.01) E21B 43/12 (2006.01) F04B 47/00 (2006.01) F04B 47/12 (2006.01)**
[25] EN
[54] **ROTATOR APPARATUS AND METHOD THEREFOR**
[54] **APPAREIL DE ROTATION ET SON PROCEDE**
[72] FORD, MICHAEL BRENT, US
[71] FORD, MICHAEL BRENT, US
[22] 2019-10-28
[41] 2020-10-02
[30] US (16/372901) 2019-04-02

[21] **3,062,673**
[13] A1

[51] **Int.Cl. B64D 11/06 (2006.01)**
[25] EN
[54] **BUSINESS CLASS TRAVEL SUITE ARRANGEMENTS FOR NARROW BODY AND WIDE BODY AIRCRAFT**
[54] **AGENCEMENTS DE SALONS DE VOYAGE EN CLASSE AFFAIRES POUR AVIONS A FUSELAGE ETROIT ET AVIONS A FUSELAGE LARGE**
[72] HENSHAW, ROBERT J., US
[72] MORGAN, EDWARD W., US
[72] LIN, HORNG JAAN, US
[72] PENCE, TRACY N., US
[72] BAILEY, BENJAMIN T., US
[72] GU, JAE HUN, US
[72] WILKEY, ROBERT D., US
[71] B/E AEROSPACE, INC., US
[22] 2019-11-26
[41] 2020-10-01
[30] US (16/371,759) 2019-04-01

[21] **3,063,122**
[13] A1

[51] **Int.Cl. B66D 5/14 (2006.01) A62B 1/10 (2006.01) B64D 1/00 (2006.01) B66D 1/60 (2006.01) F16D 65/52 (2006.01)**
[25] EN
[54] **SELF ADJUSTING AUTOMATIC LOAD BRAKE**
[54] **FREIN DE CHARGEMENT AUTOMATIQUE A AUTOAJUSTEMENT**
[72] MAGHOODI, BEJAN, US
[72] LIMAS, ZACHARY, US
[71] GOODRICH CORPORATION, US
[22] 2019-11-27
[41] 2020-09-29
[30] US (16/370,049) 2019-03-29

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[21] **3,063,256**
[13] A1

[51] **Int.Cl. B66D 5/14 (2006.01) A62B 1/10 (2006.01) B64D 1/00 (2006.01) B66D 1/60 (2006.01) F16D 65/52 (2006.01)**

[25] EN

[54] **AUTOMATIC LOAD BRAKE HAVING WAER-INDUCED LOCKING MECHANISM**

[54] **FREIN DE CHARGEMENT AUTOMATIQUE AVEC MECANISME DE VERROUILLAGE PROVOQUE PAR L'USURE**

[72] MAGHOODI, BEJAN, US

[72] LIMAS, ZACHARY, US

[71] GOODRICH CORPORATION, US

[22] 2019-11-28

[41] 2020-09-29

[30] US (16/369,968) 2019-03-29

[21] **3,064,216**
[13] A1

[51] **Int.Cl. E21B 33/124 (2006.01) E21B 33/128 (2006.01)**

[25] EN

[54] **COMPRESSION-SET STRADDLE PACKER WITH FLUID PRESSURE-BOOSTED PACKER SET**

[54] **GARNITURE DOUBLE A FIXATION PAR COMPRESSION COMPORTANT UN ENSEMBLE DE GARNITURE DE PRESSION DE FLUIDE RENFORCEE**

[72] HRUPP, JOZE J., US

[71] EXACTA-FRAC ENERGY SERVICES, INC., US

[22] 2019-12-09

[41] 2020-10-01

[30] US (16/371,394) 2019-04-01

[21] **3,064,688**
[13] A1

[51] **Int.Cl. G01L 19/04 (2006.01) B64D 43/00 (2006.01)**

[25] EN

[54] **THERMAL MANAGEMENT SYSTEM FOR AIR DATA SENSOR MODULE**

[54] **SYSTEME DE GESTION THERMIQUE POUR MODULE DE CAPTEUR DE DONNEES AERODYNAMIQUES**

[72] GILKISON, BRIAN A., US

[72] REID, ALEXANDER N., US

[72] HOFFMANN, NATHAN, US

[71] ROSEMOUNT AEROSPACE INC., US

[22] 2019-12-10

[41] 2020-09-28

[30] US (16/367,644) 2019-03-28

[21] **3,063,265**
[13] A1

[51] **Int.Cl. B66D 1/22 (2006.01) B64D 1/00 (2006.01) B66D 1/58 (2006.01) F16D 13/76 (2006.01)**

[25] EN

[54] **OVERLOAD CLUTCH ASSEMBLY FOR HOIST**

[54] **ENSEMBLE DE LIMITEURS DE COUPLE A FRICTION POUR APPAREIL DE LEVAGE**

[72] MAGHSOODI, BEJAN, US

[71] GOODRICH CORPORATION, US

[22] 2019-11-28

[41] 2020-09-28

[30] US (16/368,435) 2019-03-28

[21] **3,064,413**
[13] A1

[51] **Int.Cl. H04N 7/18 (2006.01) B60R 1/00 (2006.01) B60R 11/04 (2006.01) B64D 11/00 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR PROVIDING ATTITUDE REFERENCE FOR VEHICLE PASSENGERS**

[54] **APPAREIL ET PROCEDE POUR FOURNIR UNE REFERENCE D'ATTITUDE POUR LES PASSAGERS DE VEHICULE**

[72] BRAUER, R. KLAUS, US

[71] B/E AEROSPACE, INC., US

[22] 2019-12-09

[41] 2020-09-29

[30] US (16/369,705) 2019-03-29

[21] **3,065,225**
[13] A1

[51] **Int.Cl. F16L 25/03 (2006.01) B64D 45/02 (2006.01) F16L 13/10 (2006.01) F16L 25/12 (2006.01)**

[25] EN

[54] **ELECTRICAL ISOLATOR**

[54] **ISOLATEUR ELECTRIQUE**

[72] FAULKNER, DALE V. L., GB

[72] PEACOCK, PAUL, GB

[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB

[22] 2019-12-13

[41] 2020-10-02

[30] EP (19275040.4) 2019-04-02

[21] **3,063,878**
[13] A1

[51] **Int.Cl. B66C 1/34 (2006.01) B64D 1/00 (2006.01) B64D 9/00 (2006.01) B65H 59/00 (2006.01) B66D 1/36 (2006.01) B66D 1/60 (2006.01)**

[25] EN

[54] **CABLE ROTATION BLOCKING SYSTEM**

[54] **SYSTEME DE BLOCAGE DE ROTATION DE CABLE**

[72] MICHEL, ADRIEN M., FR

[71] GOODRICH CORPORATION, US

[22] 2019-12-04

[41] 2020-10-01

[30] EP (19305431.9) 2019-04-01

[21] **3,064,657**
[13] A1

[51] **Int.Cl. F16L 25/03 (2006.01) B64D 45/02 (2006.01) F16L 13/11 (2006.01) H01B 17/34 (2006.01) H01B 19/00 (2006.01)**

[25] EN

[54] **ELECTRICAL ISOLATOR**

[54] **ISOLATEUR ELECTRIQUE**

[72] FAULKNER, DALE V. L., GB

[72] TAYLOR, ALEXANDER DOUGLAS, GB

[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB

[22] 2019-12-09

[41] 2020-10-02

[30] EP (19275039.6) 2019-04-02

[21] **3,065,229**
[13] A1

[51] **Int.Cl. F16L 25/02 (2006.01) B64C 1/00 (2006.01) B64D 45/02 (2006.01)**

[25] EN

[54] **ELECTRICAL ISOLATOR**

[54] **ISOLATEUR ELECTRIQUE**

[72] POLLITT, WILL, GB

[72] BERNARD, JAMES WILLAIM, GB

[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB

[22] 2019-12-13

[41] 2020-10-02

[30] EP (19275042.0) 2019-04-02

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[21] **3,065,239**
[13] A1

[51] **Int.Cl. F16L 47/14 (2006.01) B29C 70/30 (2006.01) F16L 5/00 (2006.01) F16L 23/032 (2006.01) F16L 23/12 (2006.01) F16L 47/28 (2006.01)**

[25] EN

[54] **COMPOSITE CONNECTORS AND METHODS OF MANUFACTURING THE SAME**

[54] **CONNECTEURS COMPOSITES ET LEURS PROCÉDES DE FABRICATION**

[72] BERNARD, JAMES WILLIAM, GB

[72] GRAY, NATHANIEL M., GB

[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB

[22] 2019-12-13

[41] 2020-10-02

[30] EP (19275041.2) 2019-04-02

[21] **3,065,243**
[13] A1

[51] **Int.Cl. F16L 25/03 (2006.01) B64D 45/02 (2006.01) F16L 13/10 (2006.01) F16L 25/12 (2006.01)**

[25] EN

[54] **ELECTRICAL ISOLATOR**

[54] **ISOLATEUR ELECTRIQUE**

[72] FAULKER, DALE, GB

[72] BERNARD, JAMES WILLIAM, GB

[72] PETHICK, JON, GB

[72] PEACOCK, PAUL, GB

[72] GIANNAKOPOULOS, IOANNIS, GB

[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB

[22] 2019-12-13

[41] 2020-10-02

[30] EP (19386021.0) 2019-04-02

[21] **3,065,254**
[13] A1

[51] **Int.Cl. F16L 25/03 (2006.01) B64D 45/02 (2006.01) F16L 13/10 (2006.01) F16L 25/12 (2006.01) H01B 17/34 (2006.01) H01B 19/00 (2006.01)**

[25] EN

[54] **ELECTRICAL ISOLATOR**

[54] **ISOLATEUR ELECTRIQUE**

[72] TAYLOR, ALEXANDER DOUGLAS, GB

[72] BERNARD, JAMES WILLIAM, GB

[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB

[22] 2019-12-13

[41] 2020-10-02

[30] EP (19275038.8) 2019-04-02

[21] **3,065,267**
[13] A1

[51] **Int.Cl. H04N 19/37 (2014.01) H04N 19/114 (2014.01) H04N 19/70 (2014.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR FAST CHANNEL CHANGING**

[54] **SYSTEMES ET PROCÉDES POUR CHANGER RAPIDEMENT LES POSTES**

[72] REITMEIER, GLENN ARTHUR, US

[71] NBCUNIVERSAL MEDIA, LLC, US

[22] 2019-12-16

[41] 2020-10-02

[30] US (62/828,191) 2019-04-02

[30] US (16/579,433) 2019-09-23

[21] **3,065,997**
[13] A1

[51] **Int.Cl. G01S 5/00 (2006.01) H04W 64/00 (2009.01) H04B 17/318 (2015.01) H04W 4/029 (2018.01)**

[25] EN

[54] **WIRELESS SIGNALS FOR LOCATION DETERMINATION**

[54] **SIGNAUX SANS FIL POUR DETERMINER L'EMPLACEMENT**

[72] TA, CUONG, US

[72] FREI, RANDALL WAYNE, US

[71] JUNIPER NETWORKS, INC., US

[22] 2019-12-23

[41] 2020-10-02

[30] US (62/827,959) 2019-04-02

[30] US (16/676,812) 2019-11-07

[21] **3,066,156**
[13] A1

[51] **Int.Cl. E02F 3/36 (2006.01) E02F 3/96 (2006.01)**

[25] EN

[54] **QUICK-HITCH FOR CONSTRUCTION VEHICLE TOOLS**

[54] **ATTELAGE RAPIDE POUR OUTILS DE VEHICULE DE CONSTRUCTION**

[72] FRIEDRICH, THOMAS, DE

[71] KINSHOFER GMBH, DE

[22] 2019-12-27

[41] 2020-09-27

[30] DE (202019101747.3) 2019-03-27

[21] **3,066,438**
[13] A1

[51] **Int.Cl. B65D 85/00 (2006.01) A63H 33/30 (2006.01) B42D 15/00 (2006.01) B65D 83/00 (2006.01)**

[25] EN

[54] **GIFT CARD PRESENTATION DEVICE**

[54] **APPAREIL DE PRESENTATION DE CARTES-CADEAUX**

[72] LARSON, SETH, US

[71] AMERICAN GREETINGS CORPORATION, US

[22] 2020-01-03

[41] 2020-10-03

[30] US (16/374,516) 2019-04-03

[21] **3,069,085**
[13] A1

[51] **Int.Cl. G10L 21/0216 (2013.01) H04R 3/04 (2006.01) H04R 25/00 (2006.01)**

[25] EN

[54] **HEARING DEVICE WITH ACTIVE NOISE CONTROL BASED ON WIND NOISE**

[54] **APPAREIL AUDITIF AVEC CONTROLE DU BRUIT ACTIF EN FONCTION DU BRUIT CARACTERISTIQUE DU VENT**

[72] KOHLER, SIMON, CH

[72] HOLZL, ANTONIO MARIA MODESTO, CH

[71] SONOVA AG, CH

[22] 2020-01-21

[41] 2020-09-29

[30] US (16/369901) 2019-03-29

[21] **3,069,218**
[13] A1

[51] **Int.Cl. A41D 13/015 (2006.01) A41D 13/05 (2006.01) A42B 3/12 (2006.01) A63B 71/08 (2006.01) B32B 3/12 (2006.01) B32B 3/16 (2006.01)**

[25] EN

[54] **CUSHIONING SHEET**

[54] **FEUILLE DE REMBOURRAGE**

[72] HSU, HUNG HSIANG, CN

[71] DEYORK LTD., CN

[22] 2020-01-22

[41] 2020-09-27

[30] TW (108110799) 2019-03-27

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[21] **3,069,350**
[13] A1

[51] **Int.Cl. B64C 3/56 (2006.01) B64C 5/08 (2006.01)**
[25] EN
[54] **FOLDABLE RAKED WING TIPS HAVING AERODYNAMIC DEVICES**
[54] **EXTREMITE D'AILE CARROSSEE PLIABLE AVEC APPAREILS AERODYNAMIQUES**
[72] DEES, PAUL W., US
[72] DETERT, BRUCE R., US
[71] THE BOEING COMPANY, US
[22] 2020-01-22
[41] 2020-09-29
[30] US (16/369439) 2019-03-29

[21] **3,069,932**
[13] A1

[51] **Int.Cl. A01D 45/02 (2006.01) A01D 57/22 (2006.01)**
[25] EN
[54] **SECONDARY STALK ROLLER ROULEAU A TIGES SECONDAIRES**
[72] BRAMMEIER, TYLER S., US
[71] DEERE & COMPANY, US
[22] 2020-01-27
[41] 2020-09-27
[30] US (16/366,748) 2019-03-27

[21] **3,070,304**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) B23K 37/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO PROVIDE VENDOR MANAGED INVENTORY WITH ACTIVE TRACKING**
[54] **SYSTEMES ET METHODES POUR FOURNIR UN INVENTAIRE GERE AUX FOURNISSEURS AVEC UN SUIVI ACTIF**
[72] HOLVERSON, TODD, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2020-01-29
[41] 2020-09-29
[30] US (16/369,798) 2019-03-29

[21] **3,071,747**
[13] A1

[51] **Int.Cl. A01D 41/127 (2006.01)**
[25] EN
[54] **CONTROLLED OR TUNED FLOAT ON AN AGRICULTURAL HARVESTER TO MODIFY FLOAT RESPONSE**
[54] **FLOTTEUR COMMANDE OU ACCORDE SUR UNE MOISSONNEUSE AGRICOLE POUR MODIFIER LA REPOSE D'UN FLOTTEUR**
[72] KARST, AUSTIN J., US
[72] ROTOLE, DAVID V., US
[72] BOUSLOG, TYLER J., US
[71] DEERE & COMPANY, US
[22] 2020-02-07
[41] 2020-09-27
[30] US (16/366,317) 2019-03-27

[21] **3,072,909**
[13] A1

[51] **Int.Cl. A01B 23/06 (2006.01) A01B 71/00 (2006.01) A01B 76/00 (2006.01) A01C 5/06 (2006.01)**
[25] EN
[54] **PLUGGING CONTROL FOR AN AGRICULTURAL IMPLEMENT**
[54] **CONTROLE DU BOUCHONNAGE D'INSTRUMENT ARATOIRE**
[72] SCHOENY, CHRISTOPHER, US
[72] STANHOPE, TREVOR, US
[72] LANDOLT, DARIAN, US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2020-02-19
[41] 2020-09-28
[30] US (16/367,847) 2019-03-28

[21] **3,072,941**
[13] A1

[51] **Int.Cl. B64D 31/00 (2006.01) F02C 6/02 (2006.01) F02C 6/08 (2006.01) F02C 9/18 (2006.01)**
[25] EN
[54] **AIR SYSTEM SWITCHING SYSTEM TO ALLOW AERO-ENGINES TO OPERATE IN STANDBY MODE**
[54] **SYSTEME DE COMMUTATION DE CIRCUIT D'AIR POUR PERMETTRE A DES MOTEURS D'AERONEF DE FONCTIONNER EN MODE VEILLE**
[72] NG, KEVIN, CA
[72] VINSKI, JOHNNY, CA
[72] LOGAN, ADAM, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-02-18
[41] 2020-09-27
[30] US (16/366,293) 2019-03-27

[21] **3,073,424**
[13] A1

[51] **Int.Cl. H01Q 15/24 (2006.01) H01Q 1/38 (2006.01) H01Q 13/10 (2006.01)**
[25] EN
[54] **LINEAR-TO-CP POLARIZER WITH ENHANCED PERFORMANCE IN VICTS ANTENNAS**
[54] **POLARISEUR LINEAIRE A CP AVEC RENDEMENT ACCRU DANS LES ANTENNES VICTS**
[72] MILROY, WILLIAM W., US
[72] LEMONS, ALAN, US
[71] THINKOM SOLUTIONS, INC., US
[22] 2020-02-24
[41] 2020-09-29
[30] US (16/369,483) 2019-03-29

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[21] **3,073,651**
[13] A1

[51] **Int.Cl. H04W 76/20 (2018.01) H04W 24/00 (2009.01) H04W 4/029 (2018.01) H04W 4/38 (2018.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ESTABLISHING SHORT-RANGE COMMUNICATION LINKS BETWEEN ASSET TRACKING DEVICES**

[54] **SYSTEMES ET PROCEDES POUR ETABLIR DES LIAISONS DE TELECOMMUNICATIONS A COURTE PORTEE ENTRE LES APPAREILS DE SUIVI DES BIENS**

[72] JANTZI, JASON WAYNE, CA
[72] PRASAD, MAHENDRA FULESHWAR, CA
[72] REAUME, MARK EDWARD, CA
[72] JOCKSCH, ADAM PAUL, CA
[72] THOMPSON, JEREMY, CA
[72] DAMJANOVIC, SRDJAN, CA
[71] BLACKBERRY LIMITED, CA
[22] 2020-02-25
[41] 2020-09-29
[30] US (16/369,396) 2019-03-29

[21] **3,073,699**
[13] A1

[25] EN

[54] **COMPOUNDED INTERNAL COMBUSTION ENGINE**

[54] **MOTEUR A COMBUSTION INTERNE COMBINE**

[72] BERGERON, SEBASTIEN, CA
[72] JULIEN, ANDRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-02-24
[41] 2020-09-27
[30] US (16/366,116) 2019-03-27

[21] **3,074,298**
[13] A1

[51] **Int.Cl. F16C 33/04 (2006.01) F01D 25/16 (2006.01) F02C 7/06 (2006.01) F16C 27/02 (2006.01) F16C 33/12 (2006.01)**

[25] EN

[54] **BENDING STIFFENING FEATURE USED FOR COMPLIANT JOURNAL BEARING**

[54] **FONCTION DE RAIDISSEUR DE COUDE UTILISEE POUR UN PALIER LISSE CONFORME**

[72] SIMARD-BERGERON, JULIEN, CA
[72] BRILLON, LOUIS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-02-28
[41] 2020-09-29
[30] US (16/369,808) 2019-03-29

[21] **3,074,545**
[13] A1

[51] **Int.Cl. H04N 21/458 (2011.01) H04N 21/472 (2011.01) H04N 21/6547 (2011.01) G06F 16/70 (2019.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SCHEDULING CONTENT**

[54] **SYSTEMES ET METHODES POUR L'ORDONNANCEMENT DU CONTENU**

[72] RUIZ, TOMAS JESUS, US
[72] WYBOURN, SEAN MICHAEL, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-03-04
[41] 2020-09-30
[30] US (16/371,057) 2019-03-31

[21] **3,074,549**
[13] A1

[51] **Int.Cl. H04L 12/913 (2013.01) H04L 12/24 (2006.01) H04L 29/06 (2006.01)**

[25] EN

[54] **NETWORK CONFIGURATION APPARATUS**

[54] **APPAREIL DE CONFIGURATION DE RESEAU**

[72] WOLLMAN, WILLIAM VICTOR, US
[72] STEINMETZ, DONALD ROBERT, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-03-04
[41] 2020-09-30
[30] US (16/371,059) 2019-03-31

[21] **3,074,552**
[13] A1

[51] **Int.Cl. G06F 9/44 (2018.01) G06F 9/445 (2018.01) H04L 12/24 (2006.01) H04L 29/02 (2006.01)**

[25] EN

[54] **CENTRALIZED AUTOMATION SYSTEM FOR SERVICE MANAGEMENT**

[54] **SYSTEME D'AUTOMATISATION CENTRALISEE POUR LA GESTION DE SERVICES**

[72] KOMSKY, GLENN JARED, US
[72] QIAN, CHIBO, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-03-04
[41] 2020-09-30
[30] US (16/371,062) 2019-03-31

[21] **3,074,621**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/95 (2019.01)**

[25] EN

[54] **RECOMMENDATION SYSTEM FOR PROVIDING PERSONALIZED AND MIXED CONTENT ON A USER INTERFACE BASED ON CONTENT AND USER SIMILARITY**

[54] **SYSTEME DE RECOMMANDATION DE CONTENU PERSONNALISE ET VARIE SUR UNE INTERFACE UTILISATEUR S'APPUYANT SUR LE CONTENU ET LA SIMILARITE DE L'UTILISATEUR**

[72] AHLSTROM, LOGAN SOMMERS, US
[72] TAPPETA VENKATA, RAVINDRA REDDY, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-03-04
[41] 2020-09-30
[30] US (16/371,063) 2019-03-31

Demandes canadiennes mises à la disponibilité du public
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[21] **3,074,628**
[13] A1

[51] **Int.Cl. G01S 17/10 (2020.01) G01S 7/4865 (2020.01)**
[25] EN
[54] **METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT**
[54] **METHODE ET APPAREIL DE MESURE D'UNE DISTANCE OPTIQUE**
[72] HOLZHUTER, HANNO, DE
[71] IBEO AUTOMOTIVE SYSTEMS GMBH, DE
[22] 2020-03-04
[41] 2020-09-27
[30] EP (19165546.3) 2019-03-27

[21] **3,074,851**
[13] A1

[51] **Int.Cl. F01D 25/16 (2006.01) F02C 7/06 (2006.01) F16C 35/02 (2006.01)**
[25] EN
[54] **BEARING HOUSING**
[54] **LOGEMENT DE PALIER**
[72] LEFEBVRE, GUY, CA
[72] PIETROBON, JOHN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-03-05
[41] 2020-09-29
[30] US (16/369,841) 2019-03-29

[21] **3,074,854**
[13] A1

[51] **Int.Cl. F01D 25/16 (2006.01) F02C 7/06 (2006.01) F16C 35/04 (2006.01) F16C 39/02 (2006.01)**
[25] EN
[54] **BEARING HOUSING**
[54] **LOGEMENT DE PALIER**
[72] LEFEBVRE, GUY, CA
[72] SYNNOTT, REMY, CA
[72] DOYON, FRANCOIS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-03-05
[41] 2020-09-29
[30] US (16/369,688) 2019-03-29

[21] **3,074,857**
[13] A1

[51] **Int.Cl. F01D 25/16 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01) F16C 35/04 (2006.01) F16C 39/02 (2006.01)**
[25] EN
[54] **BEARING HOUSING WITH FLEXIBLE JOINT**
[54] **LOGEMENT DE PALIER AVEC JOINT FLEXIBLE**
[72] LEFEBVRE, GUY, CA
[72] SYNNOTT, REMY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-03-05
[41] 2020-09-29
[30] US (16/369,632) 2019-03-29

[21] **3,074,869**
[13] A1

[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/16 (2006.01) F16C 27/04 (2006.01) F16C 35/067 (2006.01)**
[25] EN
[54] **BEARING ASSEMBLY**
[54] **ENSEMBLE PALIER**
[72] LEFEBVRE, GUY, CA
[72] SYNNOTT, REMY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-03-05
[41] 2020-09-29
[30] US (16/369,647) 2019-03-29

[21] **3,075,075**
[13] A1

[51] **Int.Cl. B61C 13/00 (2006.01) B60F 1/00 (2006.01)**
[25] EN
[54] **INCREASED TRACTIVE EFFORT YARD AND ROAD SWITCH LOCOMOTIVES**
[54] **EFFORT DE TRACTION AMELIORE DE LOCOMOTIVES MANOEUVRE-TRIAGE ET DE LOCOMOTIVES MANOEUVRE-LIGNE**
[72] VICTOR, PAUL M., US
[71] VICTOR, PAUL M., US
[22] 2020-03-10
[41] 2020-10-01
[30] US (16/371,438) 2019-04-01

[21] **3,075,149**
[13] A1

[51] **Int.Cl. H01L 31/18 (2006.01) H01L 31/0304 (2006.01)**
[25] EN
[54] **MULTIJUNCTION SOLAR CELL HAVING A FUSED SILICA COVER GLASS**
[54] **CELLULE SOLAIRE MULTIJOINCTION MUNIE D'UN COUVRE-OBJET DE SILICE FONDUE**
[72] REHDER, ERIC M., US
[72] HO, FRANK F., US
[72] SCHWARTZ, JOEL A., US
[71] THE BOEING COMPANY, US
[22] 2020-03-11
[41] 2020-10-01
[30] US (16/372114) 2019-04-01
[30] US (16/702821) 2019-12-04

[21] **3,075,159**
[13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) F04D 29/44 (2006.01)**
[25] EN
[54] **DIFFUSER PIPE WITH ASYMMETRY**
[54] **TUYAUX DE COMPRESSEUR AVEC ASYMETRIE**
[72] DUONG, HIEN, CA
[72] TOWNSEND, PETER, CA
[72] NICHOLS, JASON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-03-10
[41] 2020-10-03
[30] US (16/374,046) 2019-04-03

[21] **3,075,320**
[13] A1

[51] **Int.Cl. F02C 7/27 (2006.01) F16K 31/02 (2006.01) H01F 7/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING A PNEUMATIC VALVE**
[54] **METHODE ET SYSTEME DE CONTROLE DE ROBINET A COMMANDE PNEUMATIQUE**
[72] WALZ, ANDREW, CA
[72] TANJU, MEHMET, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-03-11
[41] 2020-09-27
[30] US (16/366,163) 2019-03-27

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[21] **3,075,322**
[13] A1

[25] EN
[54] **DETECTION OF ABNORMAL ENGINE STARTS**
[54] **DETECTION DU DEMARRAGE ANORMAL DU MOTEUR**
[72] BAGHERNEZHAD, FARZAD, CA
[72] PIERRE, ANTOINE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-03-11
[41] 2020-09-29
[30] US (16/370,290) 2019-03-29

[21] **3,075,335**
[13] A1

[51] **Int.Cl. F16L 41/02 (2006.01)**
[25] EN
[54] **HYDRAULIC AND/OR PNEUMATIC MULTI-COUPLING CONNECTOR WITH LEVER ACTUATED MECHANISM**
[54] **CONNECTEUR MULTIPLE HYDRAULIQUE ET/OU PNEUMATIQUE AVEC MECANISME ACTIONNE PAR LEVIER**
[72] NERI, MARCO, IT
[72] FERRARA, ROCCO, IT
[72] CANZI, LUIGI, IT
[72] SORBI, ROBERTO, IT
[71] FASTER S.R.L., IT
[22] 2020-03-12
[41] 2020-09-28
[30] EP (19165845.9) 2019-03-28

[21] **3,075,568**
[13] A1

[51] **Int.Cl. B81B 7/00 (2006.01) B81B 1/00 (2006.01) G01F 1/704 (2006.01)**
[25] EN
[54] **MICROFLUIDIC INJECTION AND MANIFOLD ASSEMBLY**
[54] **INJECTION MICROFLUIDIQUE ET BLOC COLLECTEUR**
[72] SINTON, DAVID, CA
[72] DE HAAS, THOMAS, CA
[72] HAAGSMA, JULIAN, CA
[72] SALAS CHAVEZ, RICHARD, CA
[72] ZHANG, ZHANGUANG, CA
[71] INTERFACE FLUIDICS LTD., CA
[22] 2020-03-16
[41] 2020-10-01
[30] US (62/827,263) 2019-04-01

[21] **3,075,569**
[13] A1

[51] **Int.Cl. B01D 3/00 (2006.01) B08B 3/04 (2006.01)**
[25] EN
[54] **CLEANING AND FLUID DISTILLATION APPARATUS**
[54] **APPAREIL DE NETTOYAGE ET DE DISTILLATION DE FLUIDE**
[72] YAMAMOTO, SOICHIRO, CA
[71] UNI-RAM CORPORATION, CA
[22] 2020-03-13
[41] 2020-09-27
[30] US (16/366,743) 2019-03-27

[21] **3,075,767**
[13] A1

[51] **Int.Cl. A62C 13/76 (2006.01) F16L 15/06 (2006.01)**
[25] EN
[54] **NOZZLE AND VALVE ASSEMBLY FOR A FIRE EXTINGUISHER**
[54] **ENSEMBLE GICLÉUR ET ROBINET POUR UN EXTINGUEUR**
[72] MAUNEY, RONALD COBLE, US
[71] CARRIER CORPORATION, US
[22] 2020-03-13
[41] 2020-09-29
[30] US (62/826,663) 2019-03-29

[21] **3,075,829**
[13] A1

[51] **Int.Cl. C09K 8/528 (2006.01) C02F 5/08 (2006.01) C09K 8/524 (2006.01) C09K 13/00 (2006.01) C23G 1/00 (2006.01)**
[25] EN
[54] **COMPOSITION USEFUL IN SULFATE SCALE REMOVAL**
[54] **COMPOSITION SERVANT A L'ELIMINATION DE TARTRE DE SULFATE**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] LEE, ADRIENNE, CA
[72] NORDAA, STIG MAGNOR, NO
[71] FLUID ENERGY GROUP LTD., CA
[22] 2020-03-16
[41] 2020-10-01
[30] CA (3038556) 2019-04-01

[21] **3,075,840**
[13] A1

[51] **Int.Cl. B65G 47/42 (2006.01) B25J 9/18 (2006.01) B65G 47/34 (2006.01)**
[25] EN
[54] **APPARATUSES, SYSTEMS, AND METHODS FOR THE AUTOMATED RETRIEVAL AND DISPENSING OF ARTICLES**
[54] **APPAREILS, SYSTEMES ET PROCEDES POUR LA RECUPERATION ET LA DISTRIBUTION AUTOMATISEES DES ARTICLES**
[72] HERRSCHAFT, RICH, US
[72] ALBERT, JEROME, US
[72] HERTZLER, MERLE, US
[72] TANVIR, SOFIA, US
[71] MCKESSON CORPORATION, US
[22] 2020-03-16
[41] 2020-09-29
[30] US (16/368956) 2019-03-29

[21] **3,076,039**
[13] A1

[51] **Int.Cl. F16L 55/134 (2006.01)**
[25] EN
[54] **PNEUMATIC PLUG WITH SEALING LAYER**
[54] **BALLON PNEUMATIQUE AVEC COUCHE DE SCELLEMENT**
[72] SYED, ASIM MOHAMMAD, US
[72] OLSON, MICAH THOMAS, US
[71] CHERNE INDUSTRIES INCORPORATED, US
[22] 2020-03-17
[41] 2020-09-28
[30] US (62/825196) 2019-03-28
[30] US (16/814124) 2020-03-10

[21] **3,076,051**
[13] A1

[51] **Int.Cl. B65D 63/10 (2006.01)**
[25] EN
[54] **REMOVEABLE BAND FOR STACK OF DISPOSABLE CUTLERY**
[54] **BANDE AMOVIBLE POUR EMPILER LA VAISSELLE JETABLE**
[72] LIPS, ERIK, US
[71] GPCP IP HOLDINGS LLC, US
[22] 2020-03-16
[41] 2020-09-29
[30] US (16/370,107) 2019-03-29

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[21] **3,076,071**
[13] A1

[51] **Int.Cl. F16L 55/134 (2006.01)**
[25] EN
[54] **PNEUMATIC PLUG SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE POUR BALLON PNEUMATIQUE**
[72] SYED, ASIM MOHAMMAD, US
[72] OLSON, MICAH THOMAS, US
[71] CHERNE INDUSTRIES INCORPORATED, US
[22] 2020-03-17
[41] 2020-09-28
[30] US (62/825213) 2019-03-28
[30] US (16/806045) 2020-03-02

[21] **3,076,148**
[13] A1

[51] **Int.Cl. B65D 65/14 (2006.01) B65B 11/00 (2006.01) B65D 65/10 (2006.01)**
[25] EN
[54] **REMOVABLE BAND WITH WINDOW FOR CONFINING STACKS OF DISPOSABLE CUTLERY**
[54] **BANDE AMOVIBLE AVEC FENETRE POUR RESTREINDRE LES PILES DE VAISSELLES JETABLES**
[72] LIPS, ERIC, US
[71] GPCP IP HOLDINGS LLC, US
[22] 2020-03-18
[41] 2020-09-29
[30] US (16/370,132) 2019-03-29

[21] **3,076,152**
[13] A1

[51] **Int.Cl. B23K 9/10 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO CONVERT WELDING-TYPE POWER TO WELDING-TYPE POWER AND RESISTIVE PREHEATING POWER**
[54] **PROCEDES ET APPAREIL POUR CONVERTIR LA PUISSANCE DE TYPE DE SOUDAGE EN PUISSANCE RESISTIVE DE PRECHAUFFAGE ET PUISSANCE DE TYPE DE SOUDAGE**
[72] FELDHAUSEN, JOSEPH, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2020-03-18
[41] 2020-09-29
[30] US (62/826,320) 2019-03-29
[30] US (16/811,540) 2020-03-06

[21] **3,076,192**
[13] A1

[51] **Int.Cl. A01C 11/02 (2006.01) G01B 11/02 (2006.01)**
[25] EN
[54] **PLANTING MACHINE**
[54] **RABOTEUSE**
[72] PARREIN, BART, BE
[71] AGRIPLANT NV, BE
[22] 2020-03-19
[41] 2020-09-29
[30] BE (2019/5199) 2019-03-29

[21] **3,076,201**
[13] A1

[51] **Int.Cl. F16B 7/04 (2006.01) E04B 1/38 (2006.01) E04B 9/22 (2006.01)**
[25] EN
[54] **SPLICE PLATE WITH A CAM LOCK**
[54] **PLAQUE D'ASSEMBLAGE AVEC UNE SERRURE BATTEUSE**
[72] MARKLEY, JEFF, US
[72] NEAL, JOSHUA L., US
[72] LIN, YU, US
[72] DIAMONSTONE, DANIEL R., US
[71] WORTHINGTON ARMSTRONG VENTURE, US
[22] 2020-03-19
[41] 2020-10-03
[30] US (62/828511) 2019-04-03

[21] **3,076,354**
[13] A1

[51] **Int.Cl. E04B 1/35 (2006.01) E04B 1/343 (2006.01) E04H 1/12 (2006.01)**
[25] EN
[54] **WALL SYSTEM**
[54] **SYSTEME DE MUR**
[72] FRIEDLOS, CHRISTOPH, CA
[72] SMED, MOGENS FALK, CA
[72] MARSHALL, DALE R., CA
[72] VAN MASTRIGT, JESSE, CA
[72] SMED, CLAYTON, CA
[72] MURRAY, TARA, CA
[71] FALKBUILT LTD., CA
[22] 2020-03-19
[41] 2020-10-03
[30] US (62/828,823) 2019-04-03

[21] **3,076,508**
[13] A1

[51] **Int.Cl. B62D 55/04 (2006.01) A61G 1/00 (2006.01) A61G 1/04 (2006.01) A61G 1/06 (2006.01)**
[25] EN
[54] **EMERGENCY STRETCHER WITH TRACK DRIVE**
[54] **CIVIERE D'URGENCE AVEC SYSTEME D'ENTRAINEMENT A CHENILLE**
[72] THOMPSON, BRADLEY M, CA
[72] THOMPSON, RODNEY EUGENE, CA
[72] WATT, JASON CHRISTOPHER, CA
[72] DODGE, JAMES ROBERT, CA
[72] OSCROFT, JULIAN JAN, CA
[71] THOMPSON, BRADLEY M, CA
[71] THOMPSON, RODNEY EUGENE, CA
[71] WATT, JASON CHRISTOPHER, CA
[71] DODGE, JAMES ROBERT, CA
[71] OSCROFT, JULIAN JAN, CA
[22] 2020-03-20
[41] 2020-09-27
[30] US (62/824,520) 2019-03-27

[21] **3,076,731**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01) H04N 21/80 (2011.01) G06N 20/00 (2019.01) B64D 47/00 (2006.01) G06K 9/62 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **SITUATION RECOGNITION DEVICE, AIRCRAFT PASSENGER COMPARTMENT AND METHOD FOR SURVEILLANCE OF AIRCRAFT PASSENGER COMPARTMENTS**
[54] **DISPOSITIF DE RECONNAISSANCE DE SITUATION, CABINE PASSAGER D'AERONEF ET PROCEDE DE SURVEILLANCE DE CABINES PASSAGERS D'AERONEF**
[72] MEHRHOLZ, HOLGER, DE
[72] STUEBNER, JOERN, DE
[71] AIRBUS OPERATIONS GMBH, DE
[22] 2020-03-24
[41] 2020-09-28
[30] DE (102019204359.3) 2019-03-28

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[21] **3,076,769**
[13] A1

[51] **Int.Cl. B23K 7/10 (2006.01)**
[25] EN
[54] **TOOL FOR RELEASABLY HOLDING A TORCH**
[54] **OUTIL POUR MAINTENIR DE MANIERE DETACHABLE UNE TORCHE**
[72] BUCHOWIECKI, RADOSLAW K., US
[71] BUCHOWIECKI, RADOSLAW K., US
[22] 2020-03-25
[41] 2020-09-29
[30] US (16/369429) 2019-03-29

[21] **3,076,773**
[13] A1

[51] **Int.Cl. B64D 27/24 (2006.01) B64C 27/00 (2006.01) B64D 31/00 (2006.01) B64D 35/08 (2006.01)**
[25] FR
[54] **PROCESS TO OPTIMIZE AIRBORNE NOISE GENERATED BY A ROTORCRAFT**
[54] **PROCEDE D'OPTIMISATION DU BRUIT GENERALE EN VOL PAR UN GIRAVION**
[72] GOMEZ, NAYIBE, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2020-03-25
[41] 2020-09-29
[30] FR (1903327) 2019-03-29

[21] **3,076,774**
[13] A1

[51] **Int.Cl. G06F 8/30 (2018.01) G06F 16/90 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED SOURCE CODE GENERATION FOR DATABASE CONVERSION**
[54] **SYSTEME ET PROCEDE POUR GENERER UN CODE SOURCE AUTOMATISE POUR LA CONVERSION DE LA BASE DE DONNEES**
[72] GORSHTAIN, GREGORY, CA
[72] SCHOUERI, BADIH, CA
[71] NEXT PATHWAY INC., CA
[22] 2020-03-25
[41] 2020-09-29
[30] US (62/826,645) 2019-03-29

[21] **3,076,777**
[13] A1

[51] **Int.Cl. E21B 47/024 (2006.01) E21B 7/04 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **ORIENTATION APPARATUS FOR DRILLING MACHINERY AND METHOD FOR ORIENTING A DRILLING ELEMENT OF DRILLING MACHINERY**
[54] **APPAREIL D'ORIENTATION POUR PERCEUSE ET PROCEDE POUR ORIENTER UN ELEMENT DE PERCAGE D'UNE PERCEUSE**
[72] RAMIREZ OZUNA, ORLANDO RENE, ES
[71] STOCKHOLM PRECISION TOOLS S.L., ES
[22] 2020-03-24
[41] 2020-09-29
[30] ES (P201930290) 2019-03-29

[21] **3,076,778**
[13] A1

[51] **Int.Cl. G06F 8/30 (2018.01) G06F 8/35 (2018.01) G06F 16/90 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED SOURCE CODE GENERATION FOR DATABASE CONVERSION**
[54] **SYSTEME ET PROCEDE POUR GENERER UN CODE SOURCE AUTOMATISE POUR LA CONVERSION DE LA BASE DE DONNEES**
[72] GORSHTAIN, GREGORY, CA
[72] SCHOUERI, BADIH, CA
[72] YU, QIANG, CA
[71] NEXT PATHWAY INC., CA
[22] 2020-03-25
[41] 2020-09-29
[30] US (62/826,645) 2019-03-29

[21] **3,076,783**
[13] A1

[51] **Int.Cl. H04B 17/12 (2015.01) H04B 17/309 (2015.01) G01S 3/74 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ESTIMATING A POINTING ERROR OF A SATELLITE ANTENNA**
[54] **SYSTEME ET PROCEDE D'ESTIMATION D'ERREUR DE POINTAGE D'UNE ANTENNE SATELLITAIRE**
[72] OSTER, YANN, FR
[71] THALES, FR
[22] 2020-03-25
[41] 2020-09-28
[30] FR (1903183) 2019-03-28

[21] **3,076,942**
[13] A1

[51] **Int.Cl. B29C 64/165 (2017.01) B33Y 70/10 (2020.01) B22F 1/02 (2006.01) B22F 3/105 (2006.01)**
[25] EN
[54] **SURFACE ADDITIVE FOR THREE-DIMENSIONAL METAL PRINTING COMPOSITIONS**
[54] **ADDITIVE DE SURFACE POUR COMPOSITION D'IMPRESSION DE METAL TRIDIMENSIONNELLE**
[72] VEREGIN, RICHARD P.N., CA
[72] MOFFAT, KAREN A., CA
[71] XEROX CORPORATION, US
[22] 2020-03-25
[41] 2020-09-29
[30] US (16/369449) 2019-03-29

[21] **3,076,946**
[13] A1

[51] **Int.Cl. B26B 27/00 (2006.01) B65B 69/00 (2006.01) B65D 55/00 (2006.01)**
[25] EN
[54] **PACKAGE AND OPENING ASSEMBLY THEREFOR**
[54] **EMBALLAGE ET SON ENSEMBLE D'OUVERTURE**
[72] AVIV, YARON, IL
[72] ALTMAN, CHEN, IL
[71] AVIV, YARON, IL
[71] ALTMAN, CHEN, IL
[22] 2020-03-25
[41] 2020-09-27
[30] IL (265655) 2019-03-27

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[21] **3,076,960**
[13] A1

[51] **Int.Cl. H04B 17/23 (2015.01) H04B 1/401 (2015.01) H04B 17/318 (2015.01) H04B 1/18 (2006.01)**

[25] EN
[54] **ANTENNA DETECTION THROUGH NOISE MEASUREMENT**

[54] **DETECTION PAR ANTENNE AU MOYEN DE LA MESURE DE BRUIT**

[72] HAMILTON, GARY WAYNE, II, US
[72] BRAGG, STEVEN DONALD, US
[71] NEPTUNE TECHNOLOGY GROUP INC., US

[22] 2020-03-25
[41] 2020-09-29
[30] US (62/825,855) 2019-03-29
[30] US (62/828,105) 2019-04-02
[30] US (62/835,669) 2019-04-18

[21] **3,076,973**
[13] A1

[51] **Int.Cl. H04B 17/18 (2015.01) H04B 1/40 (2015.01) G01R 31/54 (2020.01)**

[25] EN
[54] **ANTENNA DETECTION USING ANTENNA RETURN LOSS**

[54] **DETECTION PAR ANTENNE A L'AIDE DE L'AFFAIBLISSEMENT D'ADAPTATION DE L'ANTENNE**

[72] PATTON, DAMON LLOYD, US
[72] HAMILTON, GARY WAYNE, II, US
[71] NEPTUNE TECHNOLOGY GROUP INC., US

[22] 2020-03-25
[41] 2020-09-29
[30] US (62/825,885) 2019-03-29
[30] US (62/828,105) 2019-04-02
[30] US (62/835,669) 2019-04-18

[21] **3,077,001**
[13] A1

[51] **Int.Cl. H01B 7/32 (2006.01) B82Y 30/00 (2011.01) H01B 3/44 (2006.01) H01B 9/02 (2006.01)**

[25] EN
[54] **CABLE WITH SEMI-CONDUCTING OUTERMOST LAYER**

[54] **CABLE AVEC COUCHE SEMI-CONDUCTRICE EXTERIEURE**

[72] DE RAI, LUCA GIORGIO MARIA, IT
[71] PRYSMIAN S.P.A., IT

[22] 2020-03-24
[41] 2020-09-29
[30] IT (102019000004699) 2019-03-29

[21] **3,077,008**
[13] A1

[51] **Int.Cl. G01R 31/08 (2020.01) B60M 1/02 (2006.01)**

[25] EN
[54] **METHOD, SYSTEM AND VEHICLE FOR LOCALIZING DEFECTIVE PARTS OF POWER SUPPLY SYSTEMS IN RAILWAYS APPLICATIONS**

[54] **PROCEDE, SYSTEME ET VEHICULE POUR LOCALISER DES PIECES DEFECTUEUSES DE SYSTEMES D'ALIMENTATION ELECTRIQUE DANS DES APPLICATIONS FERROVIAIRES**

[72] RAVINDRA, RAMAIAH, IN
[72] SANGOLLI, VEERASANGAPPA, IN
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR

[22] 2020-03-25
[41] 2020-09-28
[30] IN (201941012287) 2019-03-28

[21] **3,077,019**
[13] A1

[51] **Int.Cl. B64C 1/00 (2006.01) H01M 4/136 (2010.01) H01M 10/0525 (2010.01) B64C 1/40 (2006.01) H01M 10/44 (2006.01) H02N 99/00 (2006.01)**

[25] EN
[54] **PANELS FOR A CABIN OF AN AIRCRAFT**

[54] **PANNEAUX POUR UNE CABINE D'AERONEF**

[72] BLANCO VARELA, TAMARA, ES
[72] LINDE, PETER, DE
[71] AIRBUS OPERATIONS GMBH, DE
[71] AIRBUS OPERATIONS, S.L.U., ES

[22] 2020-03-24
[41] 2020-10-02
[30] EP (19382241.8) 2019-04-02

[21] **3,077,025**
[13] A1

[51] **Int.Cl. F21V 1/14 (2006.01) A01G 9/20 (2006.01) F21V 1/00 (2006.01)**

[25] EN
[54] **STRUCTURAL AND LIGHTING SYSTEM**

[54] **SYSTEME DE STRUCTURE ET D'ECLAIRAGE**

[72] NICHOLS, JOEL A., US
[71] AVID LABS, LLC, US

[22] 2020-03-25
[41] 2020-09-29
[30] US (62/826378) 2019-03-29

[21] **3,077,027**
[13] A1

[51] **Int.Cl. B65D 41/02 (2006.01) B65D 41/04 (2006.01)**

[25] EN
[54] **CAP FOR CONTAINERS, PLANT, METHOD AND FORMING DEVICE FOR MAKING SAID CAP**

[54] **BOUCHON POUR CONTENANTS, PROCEDE ET APPAREIL DE FORMATION POUR FABRIQUER LEDIT BOUCHON**

[72] LO PICCOLO, ANTONINO, IT
[72] NALDI, DORIANO, IT
[71] PELLICONI & C. S.P.A., IT

[22] 2020-03-24
[41] 2020-10-03
[30] IT (102019000005038) 2019-04-03

[21] **3,077,030**
[13] A1

[51] **Int.Cl. H02G 1/02 (2006.01)**

[25] EN
[54] **GROUNDING DEVICES**

[54] **DISPOSITIFS AVEC MISE A LA TERRE**

[72] FLOJO, ALFRED R., US
[72] LAZARZ, LESZEK, US
[71] HONEYWELL INTERNATIONAL INC., US

[22] 2020-03-25
[41] 2020-09-27
[30] US (16/366031) 2019-03-27

[21] **3,077,032**
[13] A1

[51] **Int.Cl. C09D 11/101 (2014.01) B41F 7/00 (2006.01) B41F 31/18 (2006.01)**

[25] EN
[54] **INK COMPOSITION AND METHOD OF PRINTING THE INK COMPOSITION**

[54] **COMPOSITION D'ENCRE ET PROCEDE D'IMPRESSION DE LA COMPOSITION D'ENCRE**

[72] CLARIDGE, ROBERT, US
[72] CHOPRA, NAVEEN, US
[72] ABRAHAM, BIBY ESTHER, US
[71] XEROX CORPORATION, US

[22] 2020-03-25
[41] 2020-09-28
[30] US (16/368273) 2019-03-28

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[21] **3,077,035**
[13] A1

[51] **Int.Cl. G03G 9/08 (2006.01) C08J 3/12 (2006.01) C08J 7/16 (2006.01)**
[25] EN
[54] **TONER COMPOSITIONS AND PROCESSES HAVING REDUCED OR NO TITANIA SURFACE ADDITIVES**
[54] **COMPOSITIONS D'ENCRE ET PROCEDES AVEC ADDITIFS REDUITS OU SANS ADDITIFS POUR SURFACE DE TITANE**
[72] VEREGIN, RICHARD P.N., CA
[72] SRISKANDHA, SHIVANTHI EASWARI, CA
[72] KURCEBA, DAVID R., CA
[72] DAVIS, MELANIE LYNN, CA
[72] VONG, CUONG, CA
[71] XEROX CORPORATION, US
[22] 2020-03-25
[41] 2020-09-29
[30] US (16/369126) 2019-03-29

[21] **3,077,056**
[13] A1

[51] **Int.Cl. A47B 9/20 (2006.01) A47B 3/00 (2006.01)**
[25] EN
[54] **HEIGHT ADJUSTABLE TABLE**
[54] **TABLE REGLABLE EN HAUTEUR**
[72] LIN, CHENKANG, CN
[71] DONGGUAN SHICHANG METALS FACTORY LTD., CN
[22] 2020-03-25
[41] 2020-09-28
[30] CN (201910241492.6) 2019-03-28

[21] **3,077,060**
[13] A1

[51] **Int.Cl. H04B 17/18 (2015.01) G01R 31/66 (2020.01) H04B 1/04 (2006.01)**
[25] EN
[54] **ANTENNA ASSEMBLY DETECTION BASED ON OSCILLATOR AND VARIABLE REACTANCE TANK CIRCUIT**
[54] **DETECTION DE L'ENSEMBLE ANTENNE EN FONCTION DU CIRCUIT BOUCHON A REACTANCE VARIABLE ET DE L'OSCILLATEUR**
[72] BRAGG, STEVEN DONALD, US
[72] NOLAN, WILLIAM ANTHONY, US
[71] NEPTUNE TECHNOLOGY GROUP INC., US
[22] 2020-03-25
[41] 2020-09-29
[30] US (62/825,885) 2019-03-29
[30] US (62/828,105) 2019-04-02
[30] US (62/835,669) 2019-04-18

[21] **3,077,065**
[13] A1

[51] **Int.Cl. B29C 64/153 (2017.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) C08J 7/04 (2020.01)**
[25] EN
[54] **SURFACE ADDITIVE FOR THREE-DIMENSIONAL POLYMERIC PRINTING POWDERS**
[54] **ADDITIF DE SURFACE POUR POUDRES POLYMERES D'IMPRESSIION TRIDIMENSIONNELLE**
[72] VEREGIN, RICHARD P.N., CA
[72] HU, NAN-XING, CA
[72] MOFFAT, KAREN A., CA
[72] HAWKINS, MICHAEL STEVEN, CA
[71] XEROX CORPORATION, US
[22] 2020-03-25
[41] 2020-09-29
[30] US (16/369278) 2019-03-29

[21] **3,077,070**
[13] A1

[51] **Int.Cl. C08L 101/06 (2006.01) C08L 25/16 (2006.01) C08L 33/06 (2006.01) C08L 33/14 (2006.01) G03G 9/08 (2006.01)**
[25] EN
[54] **TONER COMPOSITIONS AND PROCESSES INCLUDING POLYMERIC TONER ADDITIVES**
[54] **COMPOSITIONS D'ENCRE ET PROCEDE Y COMPRIS LES ADDITIFS POUR ENCREES POLYMERES**
[72] VEREGIN, RICHARD P. N., CA
[72] ANGRA, PADAM K., US
[72] BARDEN, MARIA MCCALL, US
[72] KAMEL, MAJID, CA
[72] VONG, CUONG, CA
[72] TIN, RANDY P., US
[72] JACKSON, MARK A., US
[72] IANNI, JOHN J., US
[71] XEROX CORPORATION, US
[22] 2020-03-25
[41] 2020-09-29
[30] US (16/369013) 2019-03-29

[21] **3,077,074**
[13] A1

[51] **Int.Cl. B64D 35/08 (2006.01) B64D 27/00 (2006.01) B64D 27/24 (2006.01)**
[25] EN
[54] **HYBRID AIRCRAFT PROPULSION POWER PLANTS**
[54] **GROUPES MOTOPROPULSEURS D'AERONEF HYBRIDE**
[72] DUBREUIL, JEAN, CA
[72] ULLYOTT, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-03-27
[41] 2020-09-29
[30] US (62/826,189) 2019-03-29

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[21] **3,077,078**
[13] A1

[51] **Int.Cl. B64D 35/08 (2006.01) B64D 27/00 (2006.01) B64D 27/24 (2006.01)**
 [25] EN
 [54] **HYBRID AIRCRAFT PROPULSION POWER PLANTS**
 [54] **GROUPES MOTOPROPULSEURS D'AERONEF HYBRIDE**
 [72] DUBREUIL, JEAN, CA
 [72] ULLYOTT, RICHARD, CA
 [71] PRATT & WHITNEY CANADA CORP., CA
 [22] 2020-03-27
 [41] 2020-09-29
 [30] US (62/826,189) 2019-03-29

[21] **3,077,079**
[13] A1

[51] **Int.Cl. B23D 47/02 (2006.01) B23Q 3/18 (2006.01) B27B 27/00 (2006.01)**
 [25] EN
 [54] **MITER GAUGE ASSEMBLY**
 [54] **ENSEMBLE JAUGE A ONGLETS**
 [72] SMITH, DARRIN E., CA
 [71] JESSEM PRODUCTS LIMITED, CA
 [22] 2020-03-27
 [41] 2020-09-29
 [30] US (16/370601) 2019-03-29

[21] **3,077,080**
[13] A1

[51] **Int.Cl. E06B 9/388 (2006.01) A47H 23/01 (2006.01) E06B 9/262 (2006.01) E06B 9/42 (2006.01)**
 [25] EN
 [54] **BOTTOM RAIL FOR USE WITH AN ARCHITECTURAL-STRUCTURE COVERING**
 [54] **TRAVERSE INFERIEURE A UTILISER AVEC UNE COUVERTURE POUR STRUCTURE ARCHITECTURALE**
 [72] BUCCOLA, NICKOLAS C., JR., US
 [72] GOLDBERG, MICHAEL S., US
 [72] VU, THANH, US
 [71] HUNTER DOUGLAS INC., US
 [22] 2020-03-27
 [41] 2020-10-02
 [30] US (62/827,948) 2019-04-02

[21] **3,077,081**
[13] A1

[51] **Int.Cl. G06F 21/60 (2013.01)**
 [25] EN
 [54] **SYSTEMS AND METHODS OF DATA TRANSFORMATION FOR DATA POOLING**
 [54] **SYSTEMES ET PROCEDES DE TRANSFORMATION DES DONNEES POUR LE GROUPEMENT DES DONNEES**
 [72] ARBUCKLE, LON MICHEL LUK, CA
 [72] COLLINS, JORDON ELIJAH, CA
 [72] EL ABIDINE, KHALDOUN ZINE, CA
 [72] EL EMAM, KHALED, CA
 [71] PRIVACY ANALYTICS INC., CA
 [22] 2020-03-27
 [41] 2020-09-27
 [30] US (62/824696) 2019-03-27

[21] **3,077,082**
[13] A1

[51] **Int.Cl. B64D 35/08 (2006.01) B64D 27/00 (2006.01) B64D 27/24 (2006.01)**
 [25] EN
 [54] **HYBRID AIRCRAFT PROPULSION POWER PLANTS**
 [54] **GROUPES MOTOPROPULSEURS D'AERONEF HYBRIDE**
 [72] DUBREUIL, JEAN, CA
 [72] ULLYOTT, RICHARD, CA
 [71] PRATT & WHITNEY CANADA CORP., CA
 [22] 2020-03-27
 [41] 2020-09-29
 [30] US (62/826,189) 2019-03-29

[21] **3,077,141**
[13] A1

[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/10 (2020.01) A61M 15/06 (2006.01)**
 [25] EN
 [54] **INHALANT DISPENSING SYSTEM AND APPARATUS WITH BINARY DOSING**
 [54] **SYSTEME ET APPAREIL DE DISTRIBUTION DE SUBSTANCE A INHALER AVEC DOSAGE BINAIRE**
 [72] WILSON, SCOTT H., US
 [72] ETTENSON, GREG, US
 [72] IAVICOLI, MATTEO, US
 [72] PRESCOTT, CHARLIE, US
 [71] LOOP LABORATORIES, LLC, US
 [22] 2020-03-27
 [41] 2020-09-29
 [30] US (62/826180) 2019-03-29

[21] **3,077,151**
[13] A1

[51] **Int.Cl. A63B 69/00 (2006.01) A63B 47/00 (2006.01) A63B 69/40 (2006.01)**
 [25] EN
 [54] **BALL THROWING DEVICE**
 [54] **DISPOSITIF DE LANCEMENT DE BALLES**
 [72] TAMULEWICZ, PAUL, US
 [71] PETSMART HOME OFFICE, INC., US
 [22] 2020-03-26
 [41] 2020-09-27
 [30] US (62/824,469) 2019-03-27
 [30] US (16/787,284) 2020-02-11

[21] **3,077,159**
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) H01M 2/02 (2006.01) H01M 10/44 (2006.01)**
 [25] EN
 [54] **BATTERY PACK AND/OR BATTERY CHARGER HAVING DISABLING FUNCTIONS AND METHOD OF OPERATING THE SAME**
 [54] **BLOC-BATTERIE ET/OU CHARGEUR DE BATTERIE AYANT DES FONCTIONS DE DESACTIVATION ET MODE DE FONCTIONNEMENT**
 [72] HUGGINS, MARK, US
 [72] PREUS, MICHAEL, US
 [72] WHITMIRE, J. PORTER, US
 [71] TECHTRONIC CORDLESS GP, US
 [22] 2020-03-27
 [41] 2020-09-28
 [30] US (62/825,528) 2019-03-28

[21] **3,077,163**
[13] A1

[51] **Int.Cl. B64C 15/02 (2006.01)**
 [25] EN
 [54] **AIRCRAFT WING ICE PROTECTION SYSTEM AND METHOD**
 [54] **SYSTEME ET PROCEDURE DE PROTECTION CONTRE LE GIVRAGE D'AILE D'AERONEF**
 [72] ARVANITIS, STEVE, CA
 [71] BOMBARDIER INC., CA
 [22] 2020-03-27
 [41] 2020-09-28
 [30] US (62/825,067) 2019-03-28

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[21] **3,077,170**
[13] A1

[51] **Int.Cl. A01K 15/02 (2006.01) A01K 27/00 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **ERGONOMIC TRAINING HARNESS FOR DOGS**
[54] **HARNAIS D'ENTRAINEMENT ERGONOMIQUE POUR CHIENS**
[72] STOUDEUR, TANYA, US
[72] WOODS, JAMIE L., US
[71] PETSMART HOME OFFICE, INC., US
[22] 2020-03-27
[41] 2020-09-28
[30] US (62/825,152) 2019-03-28
[30] US (16/788,604) 2020-02-12

[21] **3,077,172**
[13] A1

[51] **Int.Cl. E21B 43/116 (2006.01) E21B 43/119 (2006.01)**
[25] EN
[54] **PERFORATING GUN ORIENTING SYSTEM, AND METHOD OF ALIGNING SHOTS IN A PERFORATING GUN ASSEMBLY**
[54] **SYSTEME D'ORIENTATION DE PERFORATEUR, ET PROCEDE D'ALIGNEMENT DE TIRS DANS UN ENSEMBLE PERFORATEUR**
[72] SULLIVAN, SHELBY L., US
[72] HOLMBERG, AARON, US
[71] PERFX WIRELINE SERVICES, LLC, US
[22] 2020-03-30
[41] 2020-10-01
[30] US (62/827,497) 2019-04-01
[30] US (16/833,114) 2020-03-27

[21] **3,077,185**
[13] A1

[51] **Int.Cl. B64C 27/68 (2006.01) B64C 27/605 (2006.01) B64C 39/02 (2006.01)**
[25] EN
[54] **ROTOR HEAD FOR AERIAL VEHICLE**
[54] **TETE DU ROTOR POUR VEHICULE AERIEN**
[72] CLARKE, JASON PETER, CA
[72] CLARKE, DANIEL JOHN, CA
[71] FT HOLDINGS INC., CA
[22] 2020-03-27
[41] 2020-10-03
[30] US (62/828,898) 2019-04-03

[21] **3,077,186**
[13] A1

[51] **Int.Cl. G07F 17/34 (2006.01)**
[25] EN
[54] **SLOT-BASED GAMING MACHINE WITH PLAYER-SELECTABLE RE-SPINS**
[54] **MACHINE DE JEUX STYLE A SOUS AVEC TOURS A SELECTIONNER PAR LE JOUEUR**
[72] ROTTCHER, HYLTON DAVID, US
[72] BOYKIN, CHARLES MARTIN, US
[72] WALTON, BRENDAN CLYDE, US
[72] MOODALIAR, NEIL, US
[72] REYNOLDS, DAVID MICHAEL, IM
[71] FUSION HOLDINGS LIMITED, IM
[22] 2020-03-27
[41] 2020-09-29
[30] GB (1904479.1) 2019-03-29

[21] **3,077,192**
[13] A1

[51] **Int.Cl. F21V 21/088 (2006.01) F21L 4/00 (2006.01)**
[25] EN
[54] **CLAMPING WORK LIGHT**
[54] **LAMPE DE TRAVAIL AVEC FIXATION**
[72] CACCIABEVE, ROBERT, US
[71] WALTER R. TUCKER ENTERPRISES, LTD., D/B/A E-Z RED COMPANY, US
[22] 2020-03-26
[41] 2020-09-29
[30] US (62/826,032) 2019-03-29
[30] US (16/829,922) 2020-03-25

[21] **3,077,204**
[13] A1

[51] **Int.Cl. B60L 50/64 (2019.01) B60K 1/04 (2019.01) B66F 9/075 (2006.01) H01M 2/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A MODULAR BATTERY SYSTEM**
[54] **SYSTEMES ET METHODES D'UN SYSTEME DE BATTERIE MODULAIRE**
[72] CONFER, THOMAS W., US
[72] HOWE, DAVID B., US
[71] THE RAYMOND CORPORATION, US
[22] 2020-03-27
[41] 2020-10-03
[30] US (62/828777) 2019-04-03

[21] **3,077,214**
[13] A1

[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **ACCESS PROCEDURES FOR WIRELESS COMMUNICATIONS**
[54] **PROCEDURES D'ACCES POUR COMMUNICATIONS SANS FIL**
[72] JEON, HYOUNGSUK, US
[72] DINAN, ESMAEL, US
[72] YI, YUNJUNG, US
[72] ZHOU, HUA, US
[72] HUI, BING, US
[72] PARK, KYUNGMIN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2020-03-27
[41] 2020-09-28
[30] US (62/825,789) 2019-03-28

[21] **3,077,216**
[13] A1

[51] **Int.Cl. F16K 1/22 (2006.01) F16K 1/48 (2006.01)**
[25] EN
[54] **BUTTERFLY VALVE AND BUTTERFLY DISC**
[54] **ROBINET A PAPILLON ET PAPILLON**
[72] ISBITSKY STANLEY, CA
[72] WADITSCHATKA, BOB, CA
[72] LOURDEL, NICOLAS HERVE FRANCOIS, CA
[72] STOVEL, GORDON, CA
[72] JOUAN, FRANCOIS, FR
[71] VELAN INC., CA
[22] 2020-03-27
[41] 2020-09-29
[30] US (62/826,366) 2019-03-29

[21] **3,077,220**
[13] A1

[51] **Int.Cl. B32B 3/06 (2006.01) B32B 3/08 (2006.01) B32B 37/12 (2006.01) B65D 90/02 (2019.01) E04C 2/34 (2006.01)**
[25] EN
[54] **COMPOSITE PANEL WITH CONNECTING STRIP AND METHOD**
[54] **PANNEAU COMPOSITE MUNI DE BARRETTE DE RACCORDEMENT ET PROCEDE**
[72] NORRIS, MELVIN, US
[71] WABASH NATIONAL, L.P., US
[22] 2020-03-27
[41] 2020-09-27
[30] US (62/824,408) 2019-03-27

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[21] **3,077,225**
 [13] A1

[51] **Int.Cl. G06F 11/36 (2006.01) G06F 16/958 (2019.01) H04L 12/16 (2006.01) H04L 12/26 (2006.01)**

[25] EN

[54] **METHODS FOR IMPROVED WEB APPLICATION TESTING USING REMOTE HEADLESS BROWSERS AND DEVICES THEREOF**

[54] **PROCEDES POUR DES MISES A L'ESSAI AMELIOREES DES APPLICATIONS WEB EN UTILISANT DES APPAREILS ET DES NAVIGATEURS SANS TETE A DISTANCE**

[72] SCODA, ENRICO, IT
 [71] USABLENET, INC., US
 [22] 2020-03-27
 [41] 2020-09-29
 [30] US (16/369,754) 2019-03-29

[21] **3,077,231**
 [13] A1

[51] **Int.Cl. C12N 15/52 (2006.01) A62D 3/02 (2007.01) C12Q 1/6809 (2018.01) G16B 20/00 (2019.01) G16B 20/10 (2019.01) G16B 25/10 (2019.01) B09C 1/10 (2006.01) C02F 1/00 (2006.01) C02F 1/26 (2006.01) C02F 3/34 (2006.01) C07K 14/00 (2006.01) C12N 1/21 (2006.01) C12N 9/00 (2006.01) C12N 9/02 (2006.01) C12N 15/11 (2006.01) C12N 15/53 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **BIODEGRADATION OF TOXIC ORGANIC COMPOUNDS IN CONTAMINATED ENVIRONMENTS**

[54] **BIODEGRADATION DE COMPOSES ORGANIQUES TOXIQUES DANS LES ENVIRONNEMENTS CONTAMINES**

[72] CHEGOUNIAN, PARISA, CA
 [72] YADAV, VIKRAMADITYA GANAPATI, CA
 [71] METABOLIK TECHNOLOGIES INC., CA
 [22] 2020-03-27
 [41] 2020-09-29
 [30] US (62/826,753) 2019-03-29

[21] **3,077,239**
 [13] A1

[51] **Int.Cl. A01N 1/02 (2006.01)**

[25] FR

[54] **AQUEOUS COMPOSITION BASED ON POLYOXYMETHYLENE DIALKYL ESTERS (POM) AND ITS USE FOR PRESERVING AND/OR EMBALMING HUMAN OR ANIMAL BODIES**

[54] **COMPOSITION AQUEUSE A BASE DE POLYOXYMETHYLENES DIALKYL ESTHERS (POM) ET SON UTILISATION POUR LA CONSERVATION ET/OU L'EMBAUMEMENT DU CORPS HUMAIN OU ANIMAL**

[72] DUBOIS, JEAN-LUC, FR
 [72] COUTURIER, JEAN-LUC, FR
 [72] BELLUARD, DIDIER, FR
 [72] HAROUX, CHRISTIAN, FR
 [71] ARKEMA FRANCE, FR
 [22] 2020-03-27
 [41] 2020-09-28
 [30] FR (19/03221) 2019-03-28

[21] **3,077,241**
 [13] A1

[51] **Int.Cl. B23D 59/00 (2006.01) B23D 49/10 (2006.01) B23D 49/16 (2006.01) B23Q 11/00 (2006.01)**

[25] EN

[54] **RECIPROCATING SAW**

[54] **SCIE ALTERNATIVE**

[72] PREUS, MICHAEL, US
 [72] WILLIAMS, BRIANNA, US
 [71] TECHTRONIC CORDLESS GP, US
 [22] 2020-03-27
 [41] 2020-09-29
 [30] US (62/826,500) 2019-03-29

[21] **3,077,252**
 [13] A1

[51] **Int.Cl. F27D 3/15 (2006.01) C21B 7/14 (2006.01) C21B 11/10 (2006.01)**

[25] EN

[54] **SLAG DOOR FOR A MELTING FURNACE**

[54] **PORTE A SCORIES POUR UN FOUR DE FUSION**

[72] DA COSTA, PAULO, IT
 [72] SCOTTI, FRANCO, IT
 [72] BURIN, PAOLO, IT
 [71] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
 [22] 2020-03-27
 [41] 2020-09-29
 [30] IT (102019000004789) 2019-03-29

[21] **3,077,258**
 [13] A1

[51] **Int.Cl. F16B 1/00 (2006.01)**

[25] FR

[54] **DETACHABLE FASTENER DEVICE**

[54] **DISPOSITIF DE FIXATION AMOVIBLE**

[72] DELTEIL, JAUFFRAY, FR
 [71] AXENS, FR
 [22] 2020-03-26
 [41] 2020-09-29
 [30] FR (19/03.349) 2019-03-29

[21] **3,077,274**
 [13] A1

[51] **Int.Cl. F28F 9/00 (2006.01) F24H 1/14 (2006.01) F28F 1/00 (2006.01)**

[25] EN

[54] **HEAT EXCHANGER FOR GAS APPLIANCE AND METHOD FOR MANUFACTURING HEAT EXCHANGER FOR GAS APPLIANCE**

[54] **ECHANGEUR DE CHALEUR POUR APPAREIL D'UTILISATION DU GAZ ET PROCEDE POUR FABRIQUER UN ECHANGEUR DE CHALEUR POUR LEDIT APPAREIL**

[72] KAWADA, TSUYOSHI, JP
 [71] PALOMA CO., LTD., JP
 [22] 2020-03-27
 [41] 2020-09-29
 [30] JP (2019-067276) 2019-03-29

[21] **3,077,282**
 [13] A1

[51] **Int.Cl. A47G 19/12 (2006.01) A47G 23/03 (2006.01)**

[25] EN

[54] **BEVERAGE SYSTEM**

[54] **DISTRIBUTEUR DE BOISSONS**

[72] LUCHAK, PETER W., CA
 [71] LUCHAK, PETER W., CA
 [22] 2020-03-26
 [41] 2020-09-28
 [30] US (62/825,068) 2019-03-28

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[21] **3,077,285**
[13] A1

[51] **Int.Cl. F16L 55/134 (2006.01)**
[25] EN
[54] **DOUBLE-BLOCK AND BLEED (DBB) LINE-STOPPING TOOL, SEALS THEREFOR, AND METHODS OF LINE ISOLATION**
[54] **OUTIL D'ARRET ET PURGE DOUBLE DE SECTEUR, JOINTS POUR CELUI-CI, ET PROCEDES D'ISOLEMENT DU SECTEUR**
[72] NABER, DAVID, CA
[72] DHALIWAL, AMANJEET, CA
[72] SKIBA, ALEXANDER, CA
[71] ENREACH HOT TAP SERVICES INC., CA
[22] 2020-03-26
[41] 2020-09-27
[30] US (62/824,761) 2019-03-27

[21] **3,077,286**
[13] A1

[25] EN
[54] **INHIBITORS OF MITOCHONDRIAL FISSION**
[54] **INHIBITEURS DE FISSION MITOCHONDRIALE**
[72] WU, DANCHEN, CA
[72] WELLS, MICHAEL, CA
[72] ARCHER, STEPHEN, CA
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA
[22] 2020-03-27
[41] 2020-09-29
[30] US (62/826,247) 2019-03-29

[21] **3,077,296**
[13] A1

[51] **Int.Cl. C07D 213/75 (2006.01) A61K 9/48 (2006.01) A61K 31/194 (2006.01) A61K 31/44 (2006.01) A61P 7/02 (2006.01)**
[25] EN
[54] **NOVEL CRYSTALLINE FORM BETRIXABAN MALEATE**
[54] **NOUVEAU MALEATE DE BETHOXABAN SOUS FORME DE CRISTAUX**
[72] SOUZA, FABIO E.S., CA
[72] IAROV, ALEXEI, CA
[72] DATTA, PROBAL K., CA
[71] APOTEX INC., CA
[22] 2020-03-27
[41] 2020-10-03
[30] US (62828593) 2019-04-03

[21] **3,077,297**
[13] A1

[51] **Int.Cl. H04N 5/247 (2006.01) G02B 7/182 (2006.01) G02B 7/198 (2006.01) G02B 17/00 (2006.01) H04N 5/265 (2006.01)**
[25] EN
[54] **OMNI-DIRECTIONAL CAMERA WITH FINE-ADJUSTMENT SYSTEM FOR CALIBRATION**
[54] **APPAREIL PHOTO OMNIDIRECTIONNEL AVEC SYSTEME DE REGLAGE MICROMETRIQUE POUR LE CALIBRAGE**
[72] BELANGER-GARNIER, VICTOR, CA
[72] RADEL, JASON, CA
[71] 8259402 CANADA INC., CA
[22] 2020-03-27
[41] 2020-09-28
[30] US (62825401) 2019-03-28

[21] **3,077,456**
[13] A1

[51] **Int.Cl. G01N 37/00 (2006.01) A61M 1/00 (2006.01) A61M 36/06 (2006.01) G01N 27/06 (2006.01)**
[25] EN
[54] **IMPROVED SECURITY MECHANISMS FOR RADIOPHARMACEUTICAL ELUTION SYSTEM AND ELUTION PROCESS**
[54] **MECANISMES DE SECURITE AMELIORES POUR UN SYSTEME D'ELUTION RADIOPHARMACEUTIQUE ET PROCEDE D'ELUTION**
[72] SANTOPIETRO, RICCARDO, CA
[72] RIDDOCH, ROBERT WILLIAM, CA
[72] DONNELLY, PAUL, CA
[72] LEFORT, ETIENNE, CA
[72] JUVERDIANU, CRISTIAN-LEONARDO, CA
[71] SANTOPIETRO, RICCARDO, CA
[71] RIDDOCH, ROBERT WILLIAM, CA
[71] DONNELLY, PAUL, CA
[71] LEFORT, ETIENNE, CA
[71] JUVERDIANU, CRISTIAN-LEONARDO, CA
[22] 2020-03-27
[41] 2020-09-29
[30] US (62/826,730) 2019-03-29

[21] **3,077,457**
[13] A1

[51] **Int.Cl. F16L 37/084 (2006.01)**
[25] EN
[54] **QUICK CONNECT COUPLING**
[54] **RACCORD-RAPIDE**
[72] MICKEN, MATTHEW, US
[72] WILCOX, SEAN, US
[72] WAGERS, WILLIAM, US
[72] SHIFRIN, JAMES, US
[71] DIXON VALVE & COUPLING COMPANY, LLC, US
[22] 2020-03-27
[41] 2020-09-27
[30] US (62/824,370) 2019-03-27

[21] **3,077,459**
[13] A1

[51] **Int.Cl. A61M 36/04 (2006.01) A61M 36/06 (2006.01) G01T 1/29 (2006.01) G01T 7/12 (2006.01)**
[25] EN
[54] **IMPROVED ELUTION PROTOCOLS AND DOSAGES FOR RADIOPHARMACEUTICAL ELUTION SYSTEM**
[54] **PROTOCOLES ET DOSAGES D'ELUTION AMELIORES POUR UN SYSTEME D'ELUTION RADIOPHARMACEUTIQUE**
[72] LEFORT, ETIENNE, CA
[72] SANTOPIETRO, RICCARDO, CA
[72] RIDDOCH, ROBERT WILLIAM, CA
[72] DONNELLY, PAUL, CA
[71] LEFORT, ETIENNE, CA
[71] SANTOPIETRO, RICCARDO, CA
[71] RIDDOCH, ROBERT WILLIAM, CA
[71] DONNELLY, PAUL, CA
[22] 2020-03-27
[41] 2020-09-29
[30] US (62/826,711) 2019-03-29

[21] **3,077,461**
[13] A1

[51] **Int.Cl. E02D 29/14 (2006.01)**
[25] EN
[54] **MANHOLE LID TO BASE CONNECTION**
[54] **COUVERCLE DE TROU D'HOMME POUR CONNEXION DE LA PARTIE DE FOND**
[72] FRIESEN, JED CHRISTOPHER, CA
[71] PREDL SYSTEMS NORTH AMERICA INC., CA
[22] 2020-03-27
[41] 2020-09-29
[30] US (16/370,794) 2019-03-29

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[21] **3,077,467**
[13] A1

[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/072 (2006.01)**
[25] EN
[54] **LOADING UNIT AND ADAPTER WITH MODIFIED COUPLING ASSEMBLY**
[54] **UNITE DE CHARGEMENT ET ADAPTEUR AVEC RACCORD ET ACCESSOIRES MODIFIES**
[72] BEARDSLEY, JOHN W., US
[71] COVIDIEN LP, US
[22] 2020-03-30
[41] 2020-10-02
[30] US (62/828,204) 2019-04-02
[30] US (16/800,100) 2020-02-25

[21] **3,077,468**
[13] A1

[51] **Int.Cl. A61C 8/00 (2006.01) A61C 19/04 (2006.01)**
[25] EN
[54] **CUSTOMIZABLE DENTAL DEVICE**
[54] **APPAREIL DENTAIRE PERSONNALISABLE**
[72] LORENZEN, JULIAN, CH
[72] VAN OPHUYSEN, ANDREAS, CH
[71] STRAUMANN HOLDING AG, CH
[22] 2020-03-30
[41] 2020-10-03
[30] EP (19167105.6) 2019-04-03

[21] **3,077,473**
[13] A1

[51] **Int.Cl. E02D 11/00 (2006.01) E02D 9/00 (2006.01) E02D 13/02 (2006.01) E04H 17/26 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PULLING AND INSTALLING POSTS**
[54] **SYSTEMES ET PROCEDES DE TRACTION ET D'INSTALLATION DE POTEAUX**
[72] JACKSON, MICHAEL P., US
[72] TUTTLE, RYAN E., US
[72] MOSER, TRAVIS R., US
[72] ERDMAN, JACOB D., US
[71] CIVES CORPORATION, US
[22] 2020-03-30
[41] 2020-10-01
[30] US (62/827,424) 2019-04-01
[30] US (16/596,882) 2019-10-09

[21] **3,077,486**
[13] A1

[51] **Int.Cl. E04D 1/12 (2006.01)**
[25] EN
[54] **ROOFING SHINGLES, KITS THEREOF, ROOFING SYSTEMS INCLUDING THEM, AND METHODS FOR INSTALLING THEM**
[54] **BARDEAUX DE TOITURE, MATERIAUX DE COUVERTURE, SYSTEMES DE COUVERTURE COMPRENANT CES DERNIERS, ET LEURS METHODES D'INSTALLATION**
[72] NASH, ALEX C., US
[72] MCDONALD, VICTORIA, US
[71] CERTAINTEED LLC, US
[22] 2020-03-30
[41] 2020-09-29
[30] US (62/826,661) 2019-03-29

[21] **3,077,493**
[13] A1

[51] **Int.Cl. H02K 1/20 (2006.01) H02K 3/04 (2006.01) H02K 9/02 (2006.01) H02K 41/02 (2006.01)**
[25] EN
[54] **ELECTROMOTIVE MACHINE**
[54] **MACHINE ELECTROMOTRICE**
[72] FOSTER, ALAN, GB
[71] LIM-TECH LIMITED, GB
[22] 2020-03-31
[41] 2020-10-01
[30] EP (19166499.4) 2019-04-01

[21] **3,077,511**
[13] A1

[51] **Int.Cl. B64D 31/00 (2006.01) B64C 11/30 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR OPERATING AN AIRCRAFT POWERPLANT**
[54] **PROCEDE ET SYSTEME DE FONCTIONNEMENT DU GROUPE MOTOPROPULSEUR POUR AERONEF**
[72] ZINGARO, GIANCARLO, CA
[72] MCCARTHY, SEAN, CA
[72] CHAHAL, JASRAJ, CA
[72] BREGANI, BENJAMIN, CA
[72] LISIO, CARMINE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-03-31
[41] 2020-10-01
[30] US (16/371,608) 2019-04-01

[21] **3,077,532**
[13] A1

[51] **Int.Cl. B62D 21/02 (2006.01) B60R 19/24 (2006.01) B62D 25/00 (2006.01)**
[25] EN
[54] **FRAME EXTENSION FOR VEHICLE**
[54] **PROLONGEMENT DU CHASSIS POUR VEHICULE**
[72] JAYNES, DAN R., US
[71] FONTAINE MODIFICATION COMPANY, US
[22] 2020-03-31
[41] 2020-10-03
[30] US (62/828,655) 2019-04-03
[30] US (16/834,002) 2020-03-30

[21] **3,077,541**
[13] A1

[51] **Int.Cl. A61K 31/05 (2006.01) A61P 25/22 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF ANXIETY IN ANIMALS**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE L'ANXIETE CHEZ LES ANIMAUX**
[72] KULPA, JUSTYNA, CA
[72] VAUGHN, DANA M., US
[71] CANOPY GROWTH CORPORATION, CA
[22] 2020-03-31
[41] 2020-10-01
[30] US (62/827,734) 2019-04-01
[30] US (62/935,795) 2019-11-15

[21] **3,077,543**
[13] A1

[51] **Int.Cl. B64C 19/00 (2006.01) B60T 8/17 (2006.01) B64C 25/42 (2006.01)**
[25] FR
[54] **AIRCRAFT WHEEL BRAKE SYSTEM, CONFIGURABLE ACCORDING TO A NORMAL MODE OR AN RTO MODE**
[54] **SYSTEME DE FREINAGE D'UNE ROUE D'AERONEF, CONFIGURABLE SELON UN MDE NORMAL OU SELON UN MODE RTO**
[72] RICHARD, NATHANAEL, FR
[72] PRESLE, ROMAIN, FR
[71] SAFRAN LANDING SYSTEMS, FR
[22] 2020-04-01
[41] 2020-10-01
[30] FR (19 03459) 2019-04-01

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[21] **3,077,545**
[13] A1

[51] **Int.Cl. E01B 35/12 (2006.01) E01B 35/00 (2006.01) G08C 17/02 (2006.01)**
[25] EN
[54] **RAIL ASSESSMENT DEVICE**
[54] **DISPOSITIF D'EVALUATION DES RAILS**
[72] CURTIS, JOHNNY GLENN, US
[71] WHITING SERVICES, INC., US
[22] 2020-04-01
[41] 2020-10-01
[30] US (62/827.518) 2019-04-01

[21] **3,077,547**
[13] A1

[51] **Int.Cl. B64D 43/00 (2006.01) B64D 45/00 (2006.01)**
[25] EN
[54] **AIRCRAFT SYSTEM AND METHOD FOR ASSISTING A PILOT DURING FLIGHT**
[54] **SYSTEME DE BORD ET PROCEDE POUR AIDER UN PILOTE EN COURS DE VOL**
[72] LEBEGUE, OLIVIER, CA
[72] OUELLETTE, BENOIT, CA
[71] BOMBARDIER INC., CA
[22] 2020-03-31
[41] 2020-10-01
[30] US (62/827,455) 2019-04-01

[21] **3,077,549**
[13] A1

[51] **Int.Cl. G05B 11/14 (2006.01) A63B 59/70 (2015.01) H04W 4/30 (2018.01) A42B 3/08 (2006.01) A43B 5/16 (2006.01) A63B 71/12 (2006.01) A63C 1/30 (2006.01) G09F 23/02 (2006.01) G09G 5/02 (2006.01) H02N 99/00 (2006.01) H04R 3/00 (2006.01) H02J 50/10 (2016.01) H02J 7/00 (2006.01)**
[25] EN
[54] **SPORTS EQUIPMENT WITH ALTERABLE CHARACTERISTIC**
[54] **EQUIPEMENT SPORTIF A CARACTERISTIQUE ALTERABLE**
[72] DUCHARME, MATHIEU, CA
[72] POITRAS, MATHIEU, CA
[72] LAPERRIERE, JEAN-FRANCOIS, CA
[72] OUCKAMA, RYAN, CA
[72] LABONTE, IVAN, CA
[72] SEGUIN, ALEXIS, CA
[72] CORBEIL, JEAN-FRANCOIS, CA
[72] ROUZIER, EDOUARD, CA
[72] PAQUETTE, YANNICK, CA
[72] ZLOBEC, SANRO, CA
[71] BAUER HOCKEY LTD., CA
[22] 2020-03-31
[41] 2020-10-01
[30] US (62/827,420) 2019-04-01

[21] **3,077,552**
[13] A1

[51] **Int.Cl. G16Z 99/00 (2019.01) A01K 13/00 (2006.01)**
[25] EN
[54] **INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING METHOD**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE L'INFORMATION**
[72] KUSUI, NAOTAKA, JP
[72] KOMATSU, KATSUMI, JP
[72] FUKUDA, SHINJI, JP
[72] HIRAI, KATSUHIRO, JP
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
[22] 2020-03-31
[41] 2020-10-02
[30] JP (2019-070551) 2019-04-02

[21] **3,077,560**
[13] A1

[51] **Int.Cl. F16F 9/48 (2006.01) B60G 13/06 (2006.01) B60G 17/08 (2006.01) F16F 9/06 (2006.01)**
[25] EN
[54] **SUSPENSION SYSTEM AND VEHICLE**
[54] **SUSPENSION ET VEHICULE**
[72] KUBOTA, TAKAHIKO, JP
[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP
[22] 2020-04-01
[41] 2020-10-01
[30] JP (2019-070175) 2019-04-01

[21] **3,077,563**
[13] A1

[51] **Int.Cl. F16F 9/48 (2006.01) B60G 13/06 (2006.01) B60G 17/08 (2006.01) F16F 9/06 (2006.01)**
[25] EN
[54] **SUSPENSION SYSTEM AND VEHICLE**
[54] **SUSPENSION ET VEHICULE**
[72] KUBOTA, TAKAHIKO, JP
[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP
[22] 2020-04-01
[41] 2020-10-01
[30] JP (2019-070174) 2019-04-01

[21] **3,077,565**
[13] A1

[51] **Int.Cl. F16L 55/07 (2006.01) F17C 13/00 (2006.01) F17D 1/08 (2006.01)**
[25] EN
[54] **APPARATUS FOR CONTAINING FLUID RELEASED FROM VESSEL DURING BLEEDING OPERATION TO RELEASE PRESSURE FORMED IN THE VESSEL AND RELATED METHOD**
[54] **APPAREIL POUR CONTENIR DU LIQUIDE QUI S'ECHAPPE D'UN NAVIRE PENDANT L'OPERATION DE PURGE POUR LIBERER LA PRESSION ACCUMULEE DANS LE NAVIRE ET PROCEDE CONNEXE**
[72] BARON, CHRISTOPHER S., CA
[71] CARBON BLACK SPECIALTY SERVICES LTD., CA
[22] 2020-04-01
[41] 2020-10-02
[30] US (62828129) 2019-04-02

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[21] **3,077,572**
[13] A1

[51] **Int.Cl. F01D 25/02 (2006.01) F01D 5/14 (2006.01)**
[25] EN
[54] **METHOD OF SHEDDING ICE AND FAN BLADE**
[54] **PROCEDE DE DELESTAGE DE GLACE ET AILETTE DE SOUFFLANTE**
[72] RAYKOWSKI, ALEX, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-04-01
[41] 2020-10-01
[30] US (16/371,601) 2019-04-01

[21] **3,077,576**
[13] A1

[51] **Int.Cl. F16M 1/00 (2006.01) F28D 1/00 (2006.01) F28F 9/00 (2006.01)**
[25] EN
[54] **SPLIT BAY FORCED DRAFT AIR-COOLED HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR REFROIDI PAR AIR A TIRAGE FORCE DE BAIE DIVISEE**
[72] GOLDSMITH, JAMES D., US
[72] PEARCE, TIMOTHY L., US
[71] CHART ENERGY & CHEMICALS, INC., US
[22] 2020-04-01
[41] 2020-10-01
[30] US (62/827,599) 2019-04-01

[21] **3,077,577**
[13] A1

[51] **Int.Cl. H01M 10/653 (2014.01) H01M 10/0525 (2010.01) H01M 10/613 (2014.01) H01M 10/625 (2014.01) H01M 2/06 (2006.01) H01M 2/20 (2006.01)**
[25] EN
[54] **ELECTRICALLY INSULATIVE AND THERMALLY CONDUCTIVE PARALLEL BATTERY COOLING AND TEMPERATURE CONTROL SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT ELECTRIQUEMENT ISOLANT ET THERMOCONDUCTEUR EN PARALLELE DES BATTERIES ET SYSTEME DE REGULATION DE TEMPERATURE**
[72] PIGGOTT, ALFRED, US
[71] APPLIED THERMOELECTRIC SOLUTIONS, LLC, US
[22] 2020-04-01
[41] 2020-10-01
[30] US (62/827,799) 2019-04-01

[21] **3,077,670**
[13] A1

[51] **Int.Cl. G01S 1/04 (2006.01)**
[25] EN
[54] **LORAN DEVICE WITH ELECTRICALLY SHORT ANTENNA AND CRYSTAL RESONATOR AND RELATED METHODS**
[54] **APPAREIL LORAN AVEC ANTENNE A COURTE CAVITE ET RESONATEUR A CRISTAL ET PROCEDES CONNEXES**
[72] PARSCHE, FRANCIS E., US
[71] EAGLE TECHNOLOGY, LLC, US
[22] 2020-04-01
[41] 2020-10-03
[30] US (16/374,069) 2019-04-03

[21] **3,077,684**
[13] A1

[51] **Int.Cl. G01K 1/14 (2006.01) H04W 4/38 (2018.01) G01K 1/02 (2006.01) G01K 7/02 (2006.01)**
[25] EN
[54] **DEVICE FOR MEASURING THE TEMPERATURE OF A CONTAINER COMPRISING A FLUID**
[54] **DISPOSITIF DE MESURE DE LA TEMPERATURE D'UN CONTENANT REMPLI DE LIQUIDE**
[72] KEENAN, PAUL, CA
[71] KEENAN, PAUL, CA
[22] 2020-04-01
[41] 2020-10-03
[30] CA (3,038,946) 2019-04-03

[21] **3,077,725**
[13] A1

[25] EN
[54] **FROTH PUMP SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE POUR POMPE DE MOUSSE**
[72] HOUSE, PETER, CA
[72] DONAHUE, LUANA JORGENSON, CA
[72] LIAO, SHAWN, CA
[71] CANADIAN NATURAL UPGRADING LIMITED, CA
[22] 2020-04-01
[41] 2020-10-03
[30] US (62/828,854) 2019-04-03

[21] **3,077,747**
[13] A1

[51] **Int.Cl. G06T 11/60 (2006.01) G06T 7/10 (2017.01) G06T 3/20 (2006.01)**
[25] EN
[54] **COMPOSITE GROUP IMAGE**
[54] **IMAGE DE GROUPE COMPOSITE**
[72] BENSON, KEITH A., US
[71] SHUTTERFLY, LLC, US
[22] 2020-04-01
[41] 2020-10-02
[30] US (16/373,425) 2019-04-02

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[21] **3,077,754**
[13] A1

[51] **Int.Cl. G01N 15/10 (2006.01)**
[25] EN
[54] **METHOD FOR OPTICALLY DETECTING BIOMARKERS**
[54] **PROCEDE POUR LA DETECTION OPTIQUE DES BIOMARQUEURS**
[72] THON, ANDREAS, ES
[72] PINI, VALERIO, ES
[72] SALVADOR-MATAR RENTERIA, ANTONIO, ES
[72] CEBRIAN HERNANDO, VIRGINIA, ES
[72] GARCIA AGUADO, CARLOS, ES
[72] AHUMADA HERRERO, JESUS OSCAR, ES
[71] MECWINS, S.A., ES
[22] 2020-04-01
[41] 2020-10-03
[30] EP (19382245.9) 2019-04-03

[21] **3,077,766**
[13] A1

[51] **Int.Cl. G09F 7/06 (2006.01) G09F 9/30 (2006.01)**
[25] EN
[54] **ELECTRONIC SHELF LABEL AND SIGN**
[54] **ETIQUETTE ET PANCARTE POUR ETAGERE ELECTRONIQUE**
[72] KONOW, JOHAN VON, SE
[71] PRICER AB, SE
[22] 2020-04-01
[41] 2020-10-02
[30] SE (1950406-7) 2019-04-02

[21] **3,077,767**
[13] A1

[51] **Int.Cl. G01N 15/10 (2006.01)**
[25] EN
[54] **BIOSENSOR PLATFORM AND METHOD FOR THE SIMULTANEOUS, MULTIPLEXED, ULTRA-SENSITIVE AND HIGH THROUGHPUT OPTICAL DETECTION OF BIOMARKERS**
[54] **PLATEFORME DE BIOCAPTEUR ET PROCEDE POUR LA DIRECTION OPTIQUE DU DEBIT ELEVE, ULTRASENSIBLE ET MULTIPLEXE DES BIOMARQUEURS**
[72] PINI, VALERIO, ES
[72] THON, ANDREAS, ES
[72] SALVADOR-MATAR RENTERIA, ANTONIO, ES
[72] CEBRIAN HERNANDO, VIRGINIA, ES
[72] GARCIA AGUADO, CARLOS, ES
[72] AHUMADA HERRERO, JESUS OSCAR, ES
[71] MECWINS, S.A., ES
[22] 2020-04-01
[41] 2020-10-03
[30] EP (19382244.2) 2019-04-03

[21] **3,077,772**
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[25] EN
[54] **MAST AND SUPPLEMENTARY OBJECT DETECTION SYSTEM FOR A MATERIAL HANDLING VEHICLE**
[54] **MAT ET SYSTEME DE DETECTION D'OBJET SUPPLEMENTAIRE POUR UN VEHICULE DE MANUTENTION**
[72] RICHARDS, CURTIS D., US
[72] D'ACCOLTI, ANTHONY V., US
[72] KUSS, JEFFREY J., US
[71] THE RAYMOND CORPORATION, US
[22] 2020-04-02
[41] 2020-10-02
[30] US (62/828104) 2019-04-02

[21] **3,077,781**
[13] A1

[51] **Int.Cl. G05D 7/06 (2006.01) F04D 15/00 (2006.01) G05B 11/32 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING A VARIABLE-SPEED APPLIANCE CIRCULATOR**
[54] **SYSTEME ET PROCEDE POUR CONTROLER LE CIRCULATEUR DE L'APPAREIL A VITESSE VARIABLE**
[72] SMITH, AARON, US
[72] BUTT, NEIL, US
[71] THE MARLEY-WYLAIN COMPANY, US
[22] 2020-04-02
[41] 2020-10-03
[30] US (16/374,109) 2019-04-03

[21] **3,077,784**
[13] A1

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[25] EN
[54] **AUTOMATED WELDING APPARATUS**
[54] **APPAREIL DE SOUDAGE AUTOMATISE**
[72] DURAND, DIDIER, CA
[72] ORBAN, GAUTHIER, CA
[71] MDO TECHNOLOGIES INC., CA
[22] 2020-04-01
[41] 2020-10-02
[30] US (62/828,066) 2019-04-02

[21] **3,077,809**
[13] A1

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[25] EN
[54] **TUBING AND ANNULAR GAS LIFT**
[54] **TUBE ET ASCENSION PAR POUSSEE DE GAZ ANNULAIRE**
[72] ARCHA, WILLIAM GARRETT, US
[72] MOZISEK, CORBIN, US
[71] LIBERTY LIFT SOLUTIONS, LLC, US
[22] 2020-04-02
[41] 2020-10-03
[30] US (16374544) 2019-04-03

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[21] **3,077,812**
[13] A1

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[25] EN
[54] **FENESTRATION ASSEMBLY AND INSTALLATION ADJUSTMENT SYSTEM FOR THE SAME**
[54] **ENSEMBLE FENETRAGE ET SYSTEME DE REGLAGE A L'INSTALLATION DUDIT ENSEMBLE**
[72] BURGER, BLAKE NIGEL, US
[72] SALENTINE, ERIC LEE, US
[71] MARVIN LUMBER AND CEDAR COMPANY, D/B/A MARVIN WINDOWS AND DOORS, US
[22] 2020-04-02
[41] 2020-10-02
[30] US (62/828,119) 2019-04-02

[21] **3,077,814**
[13] A1

[51] **Int.Cl. F16B 35/00 (2006.01) B64C 1/00 (2006.01) F16B 1/00 (2006.01)**
[25] EN
[54] **MECHANICAL FASTENING SYSTEM AND ASSOCIATED STRUCTURAL ASSEMBLY AND METHOD**
[54] **SYSTEME DE POSE MECANIQUE ET PROCEDES ET ENSEMBLE DE STRUCTURES CONNEXES**
[72] CHUNGBIN, JERRY D., US
[71] THE BOEING COMPANY, US
[22] 2020-04-01
[41] 2020-10-02
[30] US (16/373134) 2019-04-02

[21] **3,077,821**
[13] A1

[51] **Int.Cl. B60W 60/00 (2020.01) B25J 5/00 (2006.01) B25J 9/18 (2006.01) B66F 9/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AN ARBITRATION CONTROLLER TO ARBITRATE MULTIPLE AUTOMATION REQUESTES ON A MATERIAL HANDLING VEHICLE**
[54] **SYSTEMES ET PROCEDES POUR DES COMMANDES D'ARBITRAGE POUR SURVEILLER PLUSIEURS DEMANDES D'AUTOMATISATION D'UN VEHICULE DE MANUTENTION**
[72] PATERSON, ROBERT J., JR., US
[72] MAYES, CHRISTOPHER M., US
[71] THE RAYMOND CORPORATION, US
[22] 2020-04-02
[41] 2020-10-02
[30] US (62/828107) 2019-04-02

[21] **3,077,825**
[13] A1

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[54] **HIGH COMPRESSIVE STRENGTH SOUND ATTENUATION**
[54] **ATTENUATEUR DE SON A HAUTE RESISTANCE A LA COMPRESSION**
[72] IGO, JOHN, US
[71] FORMULATED MATERIALS LLC, US
[22] 2020-04-01
[41] 2020-10-01
[30] US (62/827,610) 2019-04-01

[21] **3,077,826**
[13] A1

[51] **Int.Cl. B66F 9/075 (2006.01) B60R 19/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A MATERIAL HANDLING VEHICLE WITH A MULTI-PIECE BUMPER ASSEMBLY**
[54] **SYSTEMES ET PROCEDES POUR UN VEHICULE DE MANUTENTION AVEC UN ENSEMBLE AMORTISSEUR A PLUSIEURS PIECES**
[72] TRACEY, ERIK C., US
[72] BORDWELL, KEVIN T., US
[71] THE RAYMOND CORPORATION, US
[22] 2020-04-02
[41] 2020-10-02
[30] US (62/828106) 2019-04-02

[21] **3,077,858**
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01) E21B 7/00 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **DOWNHOLE DRILLING USING A NETWORK OF DRILLING RIGS**
[54] **FORAGE DESCENDANT UTILISANT UN RESEAU D'APPAREILS DE FORAGE**
[72] PAPOURAS, CHRISTOPHER, US
[72] VALLERU, SRIKANTH, US
[72] VINAY, NAMITHA, US
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US
[22] 2020-04-03
[41] 2020-10-03
[30] US (16/374443) 2019-04-03

[21] **3,077,877**
[13] A1

[51] **Int.Cl. A47L 19/04 (2006.01)**
[25] EN
[54] **DRYING APPLIANCE**
[54] **APPAREIL DE SECHAGE**
[72] KLUG, JASON CHARLES, US
[72] NELSON, AARON BASIL, US
[71] DORAI HOME, INC., US
[22] 2020-04-14
[41] 2020-10-02
[30] US (62/828,245) 2019-04-02
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[54] **COLLAPSIBLE FUEL
CONTAINER**
[54] **CONTENEUR DE COMBUSTIBLE
REPLIABLE**
[72] HULME, LEONARD D., CA
[71] HULME, LEONARD D., CA
[22] 2020-05-22
[41] 2020-09-30
[30] US (16/371,086) 2019-03-31

[21] **3,083,506**
[13] A1

[51] **Int.Cl. F04B 43/04 (2006.01) F04B
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[25] EN
[54] **PUMP SYSTEM WITH LEAK
DAMAGE PROTECTION**
[54] **SYSTEME DE POMPE AVEC
PROTECTION CONTRE LES
FUITES POUR REDUIRE LES
DOMMAGES**
[72] PILCHER, MATTHEW ROBERT, US
[72] RANCOURT, TIMOTHY, US
[71] NORTHERN TOOL & EQUIPMENT
COMPANY, INC., US
[22] 2020-03-13
[41] 2020-10-02
[30] US (62/828457) 2019-04-02

[21] **3,084,216**
[13] A1

[51] **Int.Cl. A41D 13/11 (2006.01)**
[25] EN
[54] **FACE MASK AND LINER
ASSEMBLY, SYSTEM, AND
METHODS**
[54] **ENSEMBLE DE MASQUE ET DE
DOUBLURE, SYSTEME ET
PROCEDES**
[72] CLARY, ABIGAIL BROOKE, US
[72] CLARY, CHRISTIAN REECE, US
[72] CLARY, DIANA SUE, US
[72] CLARY, JOHN DAVID, US
[72] CLARY, JOSHUA JAMES, US
[72] CLARY, OLIVIA NOEL, US
[71] TRI-STATE MEDIA, LLC, US
[22] 2020-06-18
[41] 2020-09-29
[30] US (16/867,445) 2020-05-05

[21] **3,084,578**
[13] A1

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[54] **MAIZE INBRED 2ZBSS1001**
[54] **MAIS AUTOGAME 2ZBSS1001**
[72] VUJEVIC, STIPE, CA
[71] AGRIGENETICS, INC., US
[22] 2020-06-22
[41] 2020-09-28
[30] US (16/451,085) 2019-06-25

[21] **3,084,763**
[13] A1

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[54] **SYSTEME DE POMPE AVEC
PROTECTION CONTRE LES
FUITES POUR REDUIRE LES
DOMMAGES**
[72] PILCHER, MATTHEW ROBERT, US
[72] RANCOURT, TIMOTHY, US
[71] NORTHERN TOOL & EQUIPMENT
COMPANY, INC., US
[22] 2020-03-13
[41] 2020-10-02
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[21] **3,085,789**
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A01H
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C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X08N772**
[54] **MAIS HYBRIDE X08N772**
[72] LONGENBERGER, POLLY
SUZANNE, US
[71] PIONEER HI-BRED
INTERNATIONAL, INC., US
[22] 2020-07-06
[41] 2020-10-01
[30] US (16/509,948) 2019-07-12

[21] **3,085,856**
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A01H
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[25] EN
[54] **MAIZE HYBRID X95N793**
[54] **MAIS HYBRIDE X95N793**
[72] ARBELBIDE, MARTIN, US
[72] GARCIA, GUSTAVO MARCELO, US
[72] ZHANG, JULIA XIULING, US
[71] PIONEER HI-BRED
INTERNATIONAL, INC., US
[22] 2020-07-06
[41] 2020-10-01
[30] US (16/509,967) 2019-07-12

[21] **3,085,878**
[13] A1

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[25] EN
[54] **MAIZE HYBRID X00N538**
[54] **MAIS HYBRIDE X00N538**
[72] CHANDLER, MICHAEL ADAM, US
[71] PIONEER HI-BRED
INTERNATIONAL, INC., US
[22] 2020-07-06
[41] 2020-10-01
[30] US (16/510,062) 2019-07-12

[21] **3,087,664**
[13] A1

[51] **Int.Cl. G01S 13/74 (2006.01) G01S
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[25] EN
[54] **METHOD AND SYSTEM FOR
DISCRETE OBJECT TRACKING**
[54] **METHODE ET SYSTEME DE
SUIVI D'OBJETS DISCRETS**
[72] FRUSINA, CRISTIAN, US
[71] CREAN INNOVATIONS, LLC, US
[22] 2020-07-17
[41] 2020-09-30
[30] US (16/670,924) 2019-10-31

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[21] **3,087,746**

[13] A1

[51] **Int.Cl. G01N 22/00 (2006.01) F03D
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G01N 22/04 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR
DETECTING ICE FORMATION
ON A SURFACE USING
RESONANT SENSORS**

[54] **METHODE ET APPAREIL POUR
DETECTER LA FORMATION DE
GLACE SUR UNE SURFACE A
L'AIDE DE CAPTEURS
RESONANTS**

[72] GOLOVIN, KEVIN, CA

[72] ZARIFI, MOHAMMAD, CA

[72] WILTSHIRE, BENJAMIN, CA

[72] MIRSHAHIDI, KIANA, CA

[72] KOZAK, RYAN, CA

[71] THE UNIVERSITY OF BRITISH
COLUMBIA, CA

[22] 2020-07-23

[41] 2020-10-01

[30] US (62/877,399) 2019-07-23

[21] **3,087,900**

[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q
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[25] EN

[54] **SYSTEM AND METHOD OF
REPUTATION MANAGEMENT
AND CONTRACT MONITORING
USING BLOCKCHAIN**

[54] **SYSTEME ET PROCEDE DE
GESTION DE LA REPUTATION
ET DE SURVEILLANCE DES
CONTRATS A L'AIDE DE CHAINE
DE BLOCS**

[72] DE BOLD, ALEJANDRO J., CA

[71] HATCH DIGITAL INC., CA

[22] 2020-07-24

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[25] EN	[25] EN	[25] EN
[54] CONTAINER SEALING DEVICE AND PROCESS FOR MANUFACTURING A CONTAINER SEALING DEVICE	[54] APPARATUS AND METHOD FOR PROTECTING THE OPTICAL SYSTEM OF A LIGHT FIXTURE	[54] DEVICE AND METHOD FOR MANUFACTURING BIOMASS SOLID FUEL
[54] DISPOSITIF D'ETANCHEITE POUR RECIPIENTS ET PROCEDE DE FABRICATION D'UN DISPOSITIF D'ETANCHEITE POUR RECIPIENTS	[54] APPAREIL ET PROCEDE DE PROTECTION DU SYSTEME OPTIQUE D'UN APPAREIL D'ECLAIRAGE	[54] DISPOSITIF ET PROCEDE DE FABRICATION D'UN CARBURANT SOLIDE DE BIOMASSE
[72] SANTOS, CLAUDIO LEAL DOS, BR	[72] CHEN, QING FENG, CN	[72] HIRAIWA, YUUSUKE, JP
[71] GERALDISCOS COM. IND. E REPRESENT. DE CORTICA LTDA, BR	[72] ZHAO, AN MIN, CN	[72] HAYASHI, SHIGEYA, JP
[85] 2019-04-03	[71] CHAUVET & SONS, LLC, US	[72] OOI, NOBUYUKI, JP
[86] 2017-10-11 (PCT/BR2017/050315)	[85] 2020-03-19	[71] UBE INDUSTRIES, LTD., JP
[87] (WO2018/071997)	[86] 2019-03-29 (PCT/US2019/024843)	[85] 2020-03-31
[30] BR (102016024281-9) 2016-10-18	[87] (3076110)	[86] 2018-10-01 (PCT/JP2018/036715)
		[87] (WO2019/069860)
		[30] JP (2017-194540) 2017-10-04
[21] 3,068,457 [13] A1	[21] 3,077,666 [13] A1	[21] 3,079,691 [13] A1
[51] Int.Cl. A61K 8/81 (2006.01) A61K 8/92 (2006.01) A61Q 1/10 (2006.01) A61Q 5/00 (2006.01)	[51] Int.Cl. C10L 5/44 (2006.01)	[51] Int.Cl. A61H 1/02 (2006.01)
[25] EN	[25] EN	[25] EN
[54] HIGH SHINE, LONG WEAR COSMETIC COMPOSITIONS ALSO USEFUL AS COSMETIC ADHESIVES	[54] BIOMASS SOLID FUEL	[54] HAND EXOSKELETON DEVICE
[54] COMPOSITIONS COSMETIQUES A HAUTE BRILLANCE ET A LONGUE TENUE UTILES EN TANT QU'ADHESIFS COSMETIQUES	[54] BIOCOMBUSTIBLE SOLIDE	[54] DISPOSITIF EXOSQUELETTE POUR LA MAIN
[72] LEE, WILSON, US	[72] HIRAIWA, YUUSUKE, JP	[72] RANDAZZO, LUCA, CH
[72] RIDINI, JENNIFER, US	[72] HAYASHI, SHIGEYA, JP	[72] DEL R. MILLAN, JOSE, CH
[71] ELC MANAGEMENT LLC, US	[72] OOI, NOBUYUKI, JP	[71] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH
[85] 2019-12-23	[71] UBE INDUSTRIES, LTD., JP	[85] 2020-04-21
[86] 2018-06-21 (PCT/US2018/038782)	[85] 2020-03-31	[86] 2018-11-01 (PCT/IB2018/058580)
[87] (WO2019/005579)	[86] 2018-10-01 (PCT/JP2018/036673)	[87] (WO2019/092559)
[30] US (15/632,903) 2017-06-26	[87] (WO2019/069849)	[30] IB (PCT/IB2017/056954) 2017-11-07
[30] US (15/906,372) 2018-02-27	[30] JP (2017-194513) 2017-10-04	

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[13] A1

[51] **Int.Cl. C08L 5/04 (2006.01) A23L 29/206 (2016.01) A23L 29/231 (2016.01) A61K 31/722 (2006.01) A61K 31/732 (2006.01) A61K 31/734 (2006.01) A61K 47/36 (2006.01) C08L 5/06 (2006.01) C08L 5/08 (2006.01)**

[25] EN
[54] **IN SITU GELIFYING POWDER**
[54] **POUDRE DE GELIFICATION IN SITU**

[72] DEL GAUDIO, PASQUALE, IT
[72] AQUINO, RITA PATRIZIA, IT
[72] RUSSO, PAOLA, IT
[72] DE FALCO, GIANLUIGI, IT
[72] NICOLAIS, LUIGI, IT
[71] MATERIAS S.R.L., IT
[85] 2020-04-20
[86] 2018-11-07 (PCT/IB2018/058742)
[87] (WO2019/092608)
[30] IT (102017000127474) 2017-11-08

[21] **3,081,869**
[13] A1

[51] **Int.Cl. D21H 21/02 (2006.01)**

[25] EN
[54] **ANTI-CONTAMINATION AGENT COMPOSITION**
[54] **COMPOSITION D'AGENT ANTI-CONTAMINATION**

[72] SEKIYA, HIROSHI, JP
[72] YUSA, KAZUYUKI, JP
[71] MAINTECH CO., LTD., JP
[85] 2020-05-26
[86] 2020-01-16 (PCT/JP2020/001398)
[87] (3081869)
[30] JP (2019-069260) 2019-03-29

[21] **3,087,997**
[13] A1

[51] **Int.Cl. B65G 19/06 (2006.01) B65G 19/22 (2006.01) E21F 13/08 (2006.01)**

[25] EN
[54] **EMBEDDED SCRAPER ROTATION ANGLE DETECTION DEVICE FOR SCRAPER CONVEYOR AND DETECTION METHOD**
[54] **DISPOSITIF DE DETECTION D'ANGLE DE ROTATION DE RACLOIR INTEGRE POUR ENTRAINEUR A RACLOIRS ET PROCEDE DE DETECTION**

[72] TANG, YU, CN
[72] ZHU, ZHENCAI, CN
[72] SHEN, GANG, CN
[72] GUO, YONGCUN, CN
[72] LI, XIANG, CN
[72] CHEN, JINSONG, CN
[72] WANG, DAGANG, CN
[72] CAO, GUOHUA, CN
[72] LI, WEI, CN
[72] ZHOU, GONGBO, CN
[72] PENG YUXING, CN
[72] LU, HAO, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[71] HUAHAI INSTITUTE OF TECHNOLOGY, CN
[71] ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[85] 2020-07-24
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[87] (3087997)
[30] CN (2019105601271) 2019-06-26

[21] **3,088,359**
[13] A1

[51] **Int.Cl. H04W 12/08 (2009.01) H04W 24/08 (2009.01) H04W 80/10 (2009.01)**

[25] EN
[54] **MULTI-ACCESS DISTRIBUTED EDGE SECURITY IN MOBILE NETWORKS**
[54] **SECURITE DE LA PERIPHERIE DISTRIBUEE A ACCES MULTIPLES DANS DES RESEAUX MOBILES**

[72] VERMA, SACHIN, US
[72] BURAKOVSKY, LEONID, US
[71] PALO ALTO NETWORKS, INC., US
[85] 2020-07-13
[86] 2020-03-23 (PCT/US2020/024281)
[87] (3088359)
[30] US (16/368,759) 2019-03-28

[21] **3,088,715**
[13] A1

[51] **Int.Cl. A61K 31/185 (2006.01) A61K 31/197 (2006.01) A61K 31/27 (2006.01) A61K 31/445 (2006.01) A61K 31/55 (2006.01) A61K 45/06 (2006.01) A61P 25/28 (2006.01)**

[25] EN
[54] **BACLOFEN AND ACAMPROSATE BASED THERAPY OF ALZHEIMER'S DISEASE IN PATIENTS HAVING LOST RESPONSIVENESS TO ACETYLCHOLINESTERASE INHIBITOR THERAPY**
[54] **THERAPIE DE LA MALADIE D'ALZHEIMER A BASE DE BACLOFENE ET D'ACAMPROSATE CHEZ DES PATIENTS AYANT PERDU LA SENSIBILITE A UNE THERAPIE PAR UN INHIBITEUR DE L'ACETYLCHOLINESTERASE**

[72] BRUREAU, ANTHONY, FR
[72] CHOLET, NATHALIE, FR
[72] COHEN, DANIEL, FR
[72] HAJJ, RODOLPHE, FR
[72] NABIROCHKIN, SERGUEI, FR
[71] PHARNEXT, FR
[85] 2020-07-16
[86] 2019-01-28 (PCT/EP2019/051951)
[87] (WO2019/145523)
[30] EP (18305081.4) 2018-01-29
[30] EP (18184726.0) 2018-07-20

[21] **3,092,984**
[13] A1

[51] **Int.Cl. A61K 39/295 (2006.01) A61K 39/145 (2006.01) A61P 31/16 (2006.01) A61P 37/04 (2006.01) C07K 14/11 (2006.01) C12N 7/00 (2006.01)**

[25] EN
[54] **MULTIVALENT INFLUENZA NANOPARTICLE VACCINES**
[54] **VACCINS MULTIVALENTS CONTRE LA GRIPPE A BASE DE NANOPARTICULES**

[72] BODDAPATI, SARATHI, US
[72] HERWADKAR, ANUSHREE, US
[72] WONG, JASON, US
[72] LIN, YEN-HUEI, US
[72] SMITH, GALE, US
[72] TIAN, JING-HUI, US
[71] NOVAVAX, INC., US
[85] 2020-09-01
[86] 2019-03-19 (PCT/US2019/022930)
[87] (WO2019/183063)
[30] US (62/644,623) 2018-03-19
[30] US (62/787,980) 2019-01-03

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[21] **3,093,509**
[13] A1

[51] **Int.Cl. C07H 21/02 (2006.01) C12N 5/07 (2010.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **5'-CAP-TRI NUCLEOTIDE- OR HIGHER OLIGONUCLEOTIDE COMPOUNDS AND THEIR USES IN STAIN STABILIZING RNA, EXPRESSING PROTEINS AND IN THERAPY**

[54] **COMPOSES DE TRINUCLEOTIDE PRESENTANT UNE COIFFE EN POSITION 5' OU COMPOSES D'OLIGONUCLEOTIDE DE RANG SUPERIEUR ET LEURS UTILISATIONS DANS LA STABILISATION D'ARN, L'EXPRESSION DE PROTEINE ET EN THERAPIE**

[72] KUHN, ANDREAS, DE
[72] MURAMATSU, HIROMI, DE
[72] KARIKO, KATALIN, DE
[72] FESSER, STEPHANIE, DE
[72] SAHIN, UGUR, DE
[71] BIONTECH RNA PHARMACEUTICALS GMBH, DE
[85] 2020-09-09
[86] 2019-03-14 (PCT/EP2019/056502)
[87] (WO2019/175356)
[30] EP (PCT/EP2018/056595) 2018-03-15

[21] **3,093,512**
[13] A1

[51] **Int.Cl. G01S 17/02 (2020.01) G01N 21/21 (2006.01) G01N 21/47 (2006.01) H04N 1/00 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR IDENTIFYING MATERIAL COMPOSITION OF OBJECTS**

[54] **PROCEDES ET SYSTEMES POUR IDENTIFIER UNE COMPOSITION DE MATERIAU D'OBJETS**

[72] BUCHTER, SCOTT, FI
[71] OUTSIGHT, FR
[85] 2020-09-09
[86] 2019-03-19 (PCT/EP2019/056842)
[87] (WO2019/180020)
[30] US (62/644,746) 2018-03-19
[30] US (62/745,370) 2018-10-14

[21] **3,093,536**
[13] A1

[51] **Int.Cl. B01F 15/02 (2006.01) F16J 15/3232 (2016.01) B01F 9/10 (2006.01) B01F 9/12 (2006.01) B01F 15/00 (2006.01)**

[25] EN

[54] **MIXING DEVICE COMPRISING A SEAL**

[54] **DISPOSITIF DE MELANGE POURVU DE JOINT D'ETANCHEITE**

[72] SEILER, ANDREAS, DE
[72] MUNKEL, STEFAN, DE
[72] MATTER, TOBIAS, DE
[71] MASCHINENFABRIK GUSTAV EIRICH GMBH & CO. KG, DE
[85] 2020-08-03
[86] 2019-03-14 (PCT/EP2019/056413)
[87] (WO2019/175305)
[30] DE (10 2018 106 184.6) 2018-03-16

[21] **3,093,629**
[13] A1

[51] **Int.Cl. F16B 45/06 (2006.01) B63B 21/00 (2006.01) B66C 1/36 (2006.01) F16G 11/14 (2006.01)**

[25] EN

[54] **STAB-CONNECTABLE SISTER HOOK**

[54] **CROCHET A CISEAUX POUVANT ETRE RELIE A UNE LAME**

[72] GARVEY, BENJAMIN, CA
[72] GUINDON, JEAN-MARC, CA
[72] MANUGE, LOUIS-PHILLIPE, CA
[72] MUSSETT, JONATHAN, CA
[72] TROWER, ALASTAIR, CA
[71] ENGINUITY INC., CA
[85] 2020-09-10
[86] 2019-03-13 (PCT/IB2019/000233)
[87] (WO2019/175659)
[30] US (62/642,270) 2018-03-13

[21] **3,093,630**
[13] A1

[51] **Int.Cl. B65H 5/06 (2006.01)**

[25] EN

[54] **SLIT SHEET TENSIONING DEVICE**

[54] **DISPOSITIF DE TENSION DE FEUILLE PERFOREE**

[72] GOODRICH, DAVID PAUL, US
[71] GOODRICH, DAVID PAUL, US
[85] 2020-09-10
[86] 2019-03-01 (PCT/IB2019/001458)
[87] (WO2020/068153)
[30] US (62/641,352) 2018-03-11

[21] **3,093,631**
[13] A1

[51] **Int.Cl. C07H 19/213 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **CYCLOPENTANE-BASED MODULATORS OF STING (STIMULATOR OF INTERFERON GENES)**

[54] **MODULATEURS DE STING (STIMULATEUR DES GENES DE L'INTERFERON) A BASE DE CYCLOPENTANE**

[72] WYTHES, MARTIN JAMES, US
[72] MCALPINE, INDRAWAN JAMES, US
[72] PATMAN, RYAN, US
[72] RUI, EUGENE YUANJIN, US
[72] FENSOME, ANDREW, US
[72] MADERNA, ANDREAS, US
[72] JALAI, MEHRAN, US
[72] GAJIWALA, KETAN S., US
[71] PFIZER INC., US
[85] 2020-09-10
[86] 2019-03-12 (PCT/IB2019/052009)
[87] (WO2019/175776)
[30] US (62/643,467) 2018-03-15
[30] US (62/666,204) 2018-05-03
[30] US (62/742,532) 2018-10-08
[30] US (62/809,990) 2019-02-25

[21] **3,093,632**
[13] A1

[51] **Int.Cl. A61M 5/315 (2006.01)**

[25] EN

[54] **DOSE CONTROL DEVICE FOR INJECTABLE-DRUG DELIVERY DEVICES**

[54] **DISPOSITIF DE REGULATION DE DOSE POUR DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT INJECTABLE**

[72] MARCOZ, ALAIN, FR
[72] PEREIRA, ALEXANDRE, FR
[72] POLLARD, MATHIEU, FR
[71] BIOCROP PRODUCTION S.A., FR
[85] 2020-09-10
[86] 2019-03-13 (PCT/IB2019/052028)
[87] (WO2019/175790)
[30] IB (PCT/IB2018/000426) 2018-03-14

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[21] **3,093,634**
[13] A1

[51] **Int.Cl. G06N 99/00 (2019.01) G06F 1/03 (2006.01)**
[25] EN
[54] **BATCHING WAVEFORM DATA**
[54] **MISE EN LOTS DE DONNEES DE FORME D'ONDE**
[72] KELLY, JULIAN SHAW, US
[72] NEELEY, MATTHEW, US
[71] GOOGLE LLC, US
[85] 2020-09-10
[86] 2018-03-20 (PCT/US2018/023369)
[87] (WO2019/182570)

[21] **3,093,699**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR THE PREPARATION OF TRYPSIN-RESISTANT POLYPEPTIDES FOR MASS SPECTROMETRIC ANALYSIS**
[54] **PROCEDES DE PREPARATION DE POLYPEPTIDES RESISTANT A LA TRYPSINE POUR ANALYSE PAR SPECTROMETRIE DE MASSE**
[72] BENCHAA, SABRINA AMELLE, US
[72] DYKSTRA, ANDREW, US
[71] AMGEN INC., US
[85] 2020-09-10
[86] 2019-03-12 (PCT/US2019/021927)
[87] (WO2019/178151)
[30] US (62/642,444) 2018-03-13

[21] **3,093,749**
[13] A1

[51] **Int.Cl. C07D 403/14 (2006.01) A61K 31/4155 (2006.01) A61K 31/4178 (2006.01) A61K 31/422 (2006.01) A61K 31/427 (2006.01) A61K 31/433 (2006.01) A61K 31/44 (2006.01) C07D 231/14 (2006.01) C07D 233/66 (2006.01) C07D 261/10 (2006.01) C07D 263/16 (2006.01) C07D 275/03 (2006.01) C07D 277/30 (2006.01) C07D 285/06 (2006.01) C07D 403/02 (2006.01) C07D 403/04 (2006.01) C07D 405/04 (2006.01) C07D 405/14 (2006.01) C07D 407/04 (2006.01) C07D 409/04 (2006.01) C07D 409/14 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 417/04 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **METHOD OF TREATING FIBROTIC DISEASE**
[54] **METHODE DE TRAITEMENT D'UN TROUBLE FIBROTIQUE**
[72] BUCKMAN, BRAD OWEN, US
[72] IBRAHIM, PRABHA, US
[72] RAJAGOPALAN, P.T. RAVI, US
[71] BLADE THERAPEUTICS, INC., US
[85] 2020-09-10
[86] 2019-03-25 (PCT/US2019/023917)
[87] (WO2019/190999)
[30] US (62/649,428) 2018-03-28

[21] **3,093,763**
[13] A1

[51] **Int.Cl. A61K 38/00 (2006.01) A61K 31/343 (2006.01) A61K 31/407 (2006.01) A61K 31/4164 (2006.01) A61K 31/4178 (2006.01) A61K 31/43 (2006.01) A61K 31/4375 (2006.01) A61K 31/4709 (2006.01) A61K 31/496 (2006.01) A61K 31/5383 (2006.01) A61K 31/545 (2006.01) A61K 31/546 (2006.01) A61K 31/65 (2006.01) A61K 31/665 (2006.01) A61K 31/7036 (2006.01) A61K 31/7048 (2006.01)**
[25] EN
[54] **METHOD OF TREATING BENIGN PROSTATIC HYPERPLASIA WITH ANTIBIOTICS**
[54] **METHODE DE TRAITEMENT D'HYPERPLASIE PROSTATIQUE BENIGNE PAR DES ANTIBIOTIQUES**
[72] AVERBACK, PAUL, BS
[71] NYMOX CORPORATION, US
[85] 2020-09-10
[86] 2019-03-27 (PCT/US2019/024319)
[87] (WO2019/191253)
[30] US (15/938,920) 2018-03-28

[21] **3,093,769**
[13] A1

[51] **Int.Cl. B01F 13/00 (2006.01) A47J 43/27 (2006.01) B01F 15/00 (2006.01)**
[25] EN
[54] **AGITATORS**
[54] **AGITATEURS**
[72] SORENSEN, STEVEN M., US
[72] SORENSEN, KIM L., US
[72] COLBY, JIM ALLEN, US
[72] MEYERS, DAVID O., US
[72] OMDAHL II, JOHN R., US
[72] JACOBSEN, JOSEPH O., US
[72] JENSEN, KURT LEWIS, US
[72] SHELLEY, DEREK JOHN, US
[72] OLSEN, DENNIS LEGRAND, US
[71] RUNWAY BLUE, LLC, US
[85] 2020-09-10
[86] 2019-03-29 (PCT/US2019/024926)
[87] (WO2019/191640)
[30] US (62/650,943) 2018-03-30

[21] **3,093,773**
[13] A1

[51] **Int.Cl. H02J 3/38 (2006.01) H02J 3/46 (2006.01) H02J 3/00 (2006.01)**
[25] EN
[54] **POWER SYSTEM OPTIMISATION**
[54] **OPTIMISATION DE SYSTEME D'ALIMENTATION**
[72] ANISI, DAVID, NO
[72] TROSTHEIM, STEIN, NO
[72] OFTEBRO, EINAR, NO
[71] ABB SCHWEIZ AG, CH
[85] 2020-09-11
[86] 2019-03-18 (PCT/EP2019/056716)
[87] (WO2019/179949)
[30] EP (18162642.5) 2018-03-19

[21] **3,093,774**
[13] A1

[51] **Int.Cl. A61L 26/00 (2006.01)**
[25] EN
[54] **BETA-SOLENOID PROTEINS AND THEIR APPLICATION IN TEXTILE PRODUCTION**
[54] **PROTEINES BETA-SOLENOIDES ET LEUR APPLICATION DANS LA PRODUCTION DE TEXTILE**
[72] SHAFFER, MILO, GB
[72] MACDONALD, JAMES T., GB
[72] FREEMONT, PAUL S., GB
[72] LEESE, HANNAH, GB
[71] IMPERIAL COLLEGE INNOVATIONS LIMITED, GB
[85] 2020-09-11
[86] 2019-03-14 (PCT/GB2019/050720)
[87] (WO2019/175591)
[30] GB (1804092.3) 2018-03-14

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[21] **3,093,778**
[13] A1

[51] **Int.Cl. B65D 5/22 (2006.01) B65D 5/02 (2006.01) B65D 5/24 (2006.01) B65D 5/42 (2006.01) B65D 5/66 (2006.01)**

[25] EN
[54] **CARTON**
[54] **RECEPTACLE EN CARTON**
[72] REQUENA, EMILI, ES
[72] DE MIGUEL, JOSEP CANO, ES
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2020-09-10
[86] 2019-04-02 (PCT/US2019/025326)
[87] (WO2019/195243)
[30] US (62/651,915) 2018-04-03
[30] US (62/659,265) 2018-04-18

[21] **3,093,781**
[13] A1

[51] **Int.Cl. C05G 3/90 (2020.01) A01N 43/56 (2006.01) A01P 15/00 (2006.01) C05C 3/00 (2006.01) C07D 403/12 (2006.01) C09K 17/14 (2006.01)**

[25] EN
[54] **USE OF N-FUNCTIONALIZED ALKOXY PYRAZOLE COMPOUNDS AS NITRIFICATION INHIBITORS**
[54] **UTILISATION DE COMPOSES ALCOXY PYRAZOLE N-FONCTIONNALISES EN TANT QU'INHIBITEURS DE NITRIFICATION**
[72] NESVADBA, PETER, CH
[72] CUNNINGHAM, ALLAN F., CH
[72] HINDALEKAR, SHRIRANG, IN
[72] NAVE, BARBARA, DE
[72] POTH, TEJAS, IN
[72] WALLQUIST, OLOF, CH
[72] WISSEMEIER, ALEXANDER, DE
[71] BASF SE, DE
[85] 2020-07-29
[86] 2019-02-28 (PCT/EP2019/055006)
[87] (WO2019/166560)
[30] EP (18159321.1) 2018-02-28

[21] **3,093,791**
[13] A1

[51] **Int.Cl. C12N 15/62 (2006.01) C07K 14/54 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/24 (2006.01) C12N 15/86 (2006.01)**

[25] EN
[54] **IL-13 RECEPTOR ALPHA 2 TARGETED, ZETAKINE DIRECTED T CELL IMMUNOTHERAPY**
[54] **IMMUNOTHERAPIE DE LYMPHOCYTES T DIRIGEE PAR ZETAKINE, CIBLANT LE RECEPTEUR ALPHA 2 D'IL-13**
[72] TAMPELLA, GIACOMO, US
[72] JENSEN, MICHAEL C., US
[72] JOHNSON, ADAM, US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US
[85] 2020-09-11
[86] 2019-03-12 (PCT/US2019/021833)
[87] (WO2019/178085)
[30] US (62/643,139) 2018-03-14

[21] **3,093,817**
[13] A1

[51] **Int.Cl. H05K 7/14 (2006.01) H02B 1/04 (2006.01)**

[25] EN
[54] **MANAGEMENT MODULE, Z-STRIP, AND MINI-ATS SYSTEMS AND RELATED COMPONENTS**
[54] **MODULE DE GESTION, BANDE Z ET MINI-SYSTEMES D'ATS ET COMPOSANTS ASSOCIES**
[72] PACHOUD, WILLIAM, US
[72] CHAPEL, STEVE, US
[71] ZONIT STRUCTURED SOLUTIONS, LLC, US
[85] 2020-09-11
[86] 2019-03-12 (PCT/US2019/021936)
[87] (WO2019/178158)
[30] US (62/641,929) 2018-03-12
[30] US (62/641,943) 2018-03-12

[21] **3,093,818**
[13] A1

[51] **Int.Cl. C12P 3/00 (2006.01) B01J 35/00 (2006.01) C12N 11/14 (2006.01) C25B 1/02 (2006.01)**

[25] EN
[54] **IMPROVED METHODS AND SYSTEMS FOR PHOTO-ACTIVATED HYDROGEN GENERATION**
[54] **PROCEDES ET SYSTEMES AMELIORES DE GENERATION D'HYDROGENE PHOTO-ACTIVEE**
[72] MAXWELL, DEBORAH B., US
[72] GERLACH, DEIDRA L., US
[71] BOMAX HYDROGEN LLC, US
[85] 2020-09-11
[86] 2019-03-13 (PCT/US2019/021991)
[87] (WO2019/178189)
[30] US (62/642,401) 2018-03-13

[21] **3,093,820**
[13] A1

[51] **Int.Cl. A61K 31/4738 (2006.01) A61K 31/7084 (2006.01) A61K 31/716 (2006.01) A61K 39/00 (2006.01)**

[25] EN
[54] **BETA GLUCAN AND CD40 AGONIST COMBINATION IMMUNOTHERAPY**
[54] **IMMUNOTHERAPIE ASSOCIANT UN BETA-GLUCANE ET UN AGONISTE DE CD40**
[72] BOSE, NANDITA, US
[72] BEATTY, GREGORY, US
[71] HIBERCELL, INC., US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2020-09-11
[86] 2019-03-13 (PCT/US2019/022062)
[87] (WO2019/178236)
[30] US (62/642,210) 2018-03-13

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[21] **3,093,823**
[13] A1

[51] **Int.Cl. A01N 63/00 (2020.01) A61K 35/545 (2015.01) A61K 31/7088 (2006.01) A61K 35/12 (2015.01) A61K 35/76 (2015.01) A61K 45/00 (2006.01)**

[25] EN

[54] **TRANSIENT CELLULAR REPROGRAMMING FOR REVERSAL OF CELL AGING**

[54] **REPROGRAMMATION CELLULAIRE TRANSITOIRE D'INVERSION DU VIEILLISSEMENT CELLULAIRE**

[72] SEBASTIANO, VITTORIO, US

[72] SARKAR, TAPASH JAY, US

[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US

[85] 2020-09-11

[86] 2019-03-13 (PCT/US2019/022149)

[87] (WO2019/178296)

[30] US (62/642,538) 2018-03-13

[21] **3,093,827**
[13] A1

[51] **Int.Cl. C12N 15/85 (2006.01) C12N 5/0783 (2010.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **MODIFICATION OF IMMUNE CELLS FOR REDUCING TOXICITY AND USES THEREOF IN ADOPTIVE CELL THERAPY**

[54] **MODIFICATION DE CELLULES IMMUNITAIRES POUR REDUIRE LA TOXICITE ET LEURS UTILISATIONS DANS LA THERAPIE CELLULAIRE ADOPTIVE**

[72] HU, BILIANG, US

[71] CELLEDIT LLC, US

[85] 2020-09-11

[86] 2019-03-13 (PCT/US2019/022093)

[87] (WO2019/178259)

[30] US (62/642,821) 2018-03-14

[21] **3,093,853**
[13] A1

[51] **Int.Cl. C12P 21/00 (2006.01) C07K 16/00 (2006.01) C12N 5/00 (2006.01) C12P 21/02 (2006.01)**

[25] EN

[54] **TOTAL AFUCOSYLATED GLYCOFORMS OF ANTIBODIES PRODUCED IN CELL CULTURE**

[54] **GLYCOFORMES AFUCOSYLEES TOTALES D'ANTICORPS PRODUITS EN CULTURE CELLULAIRE**

[72] BHEBE, PRINCE, US

[72] JERUMS, MATTHEW, US

[72] LIU, IRENE, US

[72] KUNAS, KURT, US

[71] AMGEN INC., US

[85] 2020-09-11

[86] 2019-03-26 (PCT/US2019/024154)

[87] (WO2019/191150)

[30] US (62/648,308) 2018-03-26

[21] **3,093,854**
[13] A1

[51] **Int.Cl. B23K 35/40 (2006.01) B23K 35/02 (2006.01) C23C 2/04 (2006.01)**

[25] EN

[54] **TUBULAR WIRES MADE FROM COPPER COATED STRIP**

[54] **FILS TUBULAIRES FABRIQUES A PARTIR D'UNE BANDE REVETUE DE CUIVRE**

[72] BARHORST, STEVEN E., US

[72] AMATA, MARIO A., US

[72] BUNDY, JOSEPH C., US

[71] HOBART BROTHERS LLC, US

[85] 2020-09-11

[86] 2019-03-29 (PCT/US2019/024874)

[87] (WO2019/191609)

[30] US (62/650,475) 2018-03-30

[21] **3,093,855**
[13] A1

[51] **Int.Cl. F01M 11/12 (2006.01) F01D 21/00 (2006.01) F02D 41/22 (2006.01) F04D 15/00 (2006.01) G01N 15/06 (2006.01)**

[25] EN

[54] **OIL MONITORING**

[54] **SURVEILLANCE D'HUILE**

[72] STEWART, TREVOR DEAN, US

[71] S.P.M. FLOW CONTROL, INC., US

[85] 2020-09-11

[86] 2019-04-01 (PCT/US2019/025245)

[87] (WO2019/195198)

[30] US (62/651,195) 2018-04-01

[21] **3,093,875**
[13] A1

[51] **Int.Cl. G02B 7/28 (2006.01) G06T 15/10 (2011.01) G06T 17/00 (2006.01) H04N 1/42 (2006.01) H04N 5/222 (2006.01)**

[25] EN

[54] **3D DEVICE SIMULATOR VISUALIZER PLATFORM AS A SERVICE**

[54] **PLATEFORME DE VISUALISATION DE SIMULATEUR DE DISPOSITIF 3D EN TANT QUE SERVICE**

[72] REIF, ELDOR, US

[71] HITACHI AMERICA, LTD., US

[85] 2020-09-14

[86] 2018-03-27 (PCT/US2018/024648)

[87] (WO2019/190485)

[21] **3,093,879**
[13] A1

[51] **Int.Cl. B42C 9/00 (2006.01) B42D 3/00 (2006.01)**

[25] EN

[54] **BINDING FOLDER FOR BINDING LEAVES AND METHOD TO PRODUCE SUCH BINDING FOLDER**

[54] **CLASSEUR DESTINE A RELIER DES FEUILLES ET PROCEDE DE PRODUCTION D'UN TEL CLASSEUR**

[72] PELEMAN, GUIDO FRANS M., BE

[71] UNIBIND LIMITED, CY

[85] 2020-09-10

[86] 2018-04-10 (PCT/IB2018/052484)

[87] (WO2019/197875)

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[21] **3,093,882**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 16/40 (2006.01)**

[25] EN

[54] **ANTAGONIZING CD73 ANTIBODY**

[54] **ANTICORPS AYANT UN EFFET ANTAGONISTE CONTRE CD73**

[72] HOFMANN, IRMGARD MARIA RITA, DE

[72] AHLBERG, JENNIFER, US

[72] GANESAN, RAJKUMAR, US

[72] GUPTA, PRIYANKA, US

[72] MOSTBOECK, SVEN, DE

[72] PLYTE, SIMON, DE

[72] SCHAAF, OTMAR, DE

[72] TSAI, CHIA-HUNG, US

[72] WURM, MELANIE, DE

[72] ZETTL, MARKUS, DE

[72] DE ANDRADE PEREIRA, BRUNA, DE

[72] BOETTCHER, JARK, DE

[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE

[85] 2020-09-10

[86] 2019-05-13 (PCT/EP2019/062124)

[87] (WO2019/224025)

[30] EP (18173381.7) 2018-05-19

[21] **3,093,885**
[13] A1

[51] **Int.Cl. C12N 9/26 (2006.01) A61K 38/16 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **NOVEL HYALURONIDASE VARIANTS AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME**

[54] **NOUVEAU MUTANT DE L'ENZYME HYDROLYSANT L'ACIDE HYALURONIQUE ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT**

[72] PARK, SOON JAE, KR

[72] CHUNG, HYE-SHIN, KR

[72] LEE, SEUNG JOO, KR

[72] YOU, SUN-AH, KR

[72] SONG, HYUNG-NAM, KR

[72] LEE, CHANG WOO, KR

[71] ALTEOGEN, INC., KR

[85] 2020-09-11

[86] 2019-07-25 (PCT/KR2019/009215)

[87] (WO2020/022791)

[30] KR (10-2018-0086308) 2018-07-25

[30] KR (10-2019-0029758) 2019-03-15

[21] **3,093,891**
[13] A1

[51] **Int.Cl. B29C 64/20 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B29C 64/30 (2017.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR 3D PRINTING WITH A 3D PRINTING PLATFORM INCLUDING PRINTING TOOL COUPLING COMPONENTS**

[54] **PROCEDES ET SYSTEMES D'IMPRESSION 3D AVEC UNE PLATE-FORME D'IMPRESSION 3D COMPRENANT DES COMPOSANTS D'ACCOUPLLEMENT D'OUTIL D'IMPRESSION**

[72] CAMBRON, SCOTT DOUGLAS, US

[72] WALDECKER, DAKOTA, US

[71] ADVANCED SOLUTIONS LIFE SCIENCES, LLC, US

[85] 2020-04-03

[86] 2018-10-05 (PCT/US2018/054563)

[87] (WO2019/071099)

[30] US (62/569,077) 2017-10-06

[21] **3,093,913**
[13] A1

[51] **Int.Cl. C07D 211/34 (2006.01) A61K 31/445 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/497 (2006.01) A61K 31/506 (2006.01) C07D 401/06 (2006.01) C07D 401/10 (2006.01) C07D 401/12 (2006.01)**

[25] EN

[54] **YAP1 INHIBITORS THAT TARGET THE INTERACTION OF YAP1 WITH OCT4**

[54] **INHIBITEURS DE YAP1 CIBLANT L'INTERACTION DE YAP1 AVEC OCT4**

[72] CHELLAPAN, SRIKUMAR, US

[72] LAWRENCE, NICHOLAS J., US

[72] MUDIYANSELAGE, SUJEEWA RANATUNGA MAHANTHE, US

[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE, INC., US

[85] 2020-09-14

[86] 2019-03-14 (PCT/US2019/022337)

[87] (WO2019/178401)

[30] US (62/643,032) 2018-03-14

[21] **3,093,915**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C07K 14/47 (2006.01) C12N 9/16 (2006.01) C12N 9/22 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **GENE-REGULATING COMPOSITIONS AND METHODS FOR IMPROVED IMMUNOTHERAPY**

[54] **COMPOSITIONS DE REGULATION GENIQUE ET PROCEDES POUR AMELIORER L'IMMUNOTHERAPIE**

[72] BENSON, MICAH, US

[72] MERKIN, JASON, US

[72] KRYUKOV, GREGORY V., US

[72] SHENKER, SOLOMON MARTIN, US

[72] SCHLABACH, MICHAEL, US

[72] TUBO, NOAH, US

[72] KABERNA, JAMES MARTIN, II, US

[71] KSQ THERAPEUTICS, INC., US

[85] 2020-09-14

[86] 2019-03-14 (PCT/US2019/022364)

[87] (WO2019/178420)

[30] US (62/643,578) 2018-03-15

[30] US (62/643,584) 2018-03-15

[30] US (62/692,010) 2018-06-29

[30] US (62/692,016) 2018-06-29

[30] US (62/736,185) 2018-09-25

[30] US (62/768,441) 2018-11-16

[30] US (62/768,428) 2018-11-16

[30] US (62/790,179) 2019-01-09

[30] US (62/790,192) 2019-01-09

[30] US (62/804,261) 2019-02-12

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[51] Int.Cl. G06Q 10/10 (2012.01) H04W 4/12 (2009.01) G06Q 30/02 (2012.01) H04L 12/00 (2006.01)	[51] Int.Cl. A61K 48/00 (2006.01) C07K 14/47 (2006.01) C12N 9/16 (2006.01) C12N 9/22 (2006.01) C12N 15/63 (2006.01)	[51] Int.Cl. A61K 38/43 (2006.01) A61K 38/46 (2006.01) A61K 38/47 (2006.01) A61P 3/00 (2006.01) A61P 3/08 (2006.01)
[25] EN	[25] EN	[25] EN
[54] AUTOMATED COMMUNICATION IN AN EMAIL SYNCHRONIZATION AND WORKFLOW SYSTEM	[54] GENE-REGULATING COMPOSITIONS AND METHODS FOR IMPROVED IMMUNOTHERAPY	[54] METHODS AND COMPOSITIONS FOR TREATMENT OF POLYGLUCOSAN DISORDERS
[54] COMMUNICATION AUTOMATISEE DANS UN SYSTEME DE SYNCHRONISATION DE COURRIER ELECTRONIQUE ET DE FLUX DE TRAVAIL	[54] COMPOSITIONS DE REGULATION GENIQUE ET PROCEDES POUR AMELIORER L'IMMUNOTHERAPIE	[54] METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE TROUBLES ASSOCIES AU POLYGLUCOSANE
[72] HEMPTON, GORDON L., US	[72] BENSON, MICAH, US	[72] ARMSTRONG, DUSTIN D., US
[72] HATHER, WESLEY R., US	[72] MERKIN, JASON, US	[72] MCKNIGHT, TRACY, US
[72] KINZER, ANDREW S., US	[72] KRYUKOV, GREGORY V., US	[71] VALERION THERAPEUTICS, LLC, US
[72] MEDINA, MANUEL A., US	[72] SHENKER, SOLOMON MARTIN, US	[85] 2020-09-14
[71] OUTREACH CORPORATION, US	[72] SCHLABACH, MICHAEL, US	[86] 2019-03-15 (PCT/US2019/022566)
[85] 2020-09-11	[72] TUBO, NOAH, US	[87] (WO2019/178532)
[86] 2019-04-11 (PCT/US2019/026917)	[71] KSQ THERAPEUTICS, INC., US	[30] US (62/643,592) 2018-03-15
[87] (WO2019/200052)	[85] 2020-09-14	[30] US (62/682,928) 2018-06-09
[30] US (15/950,370) 2018-04-11	[86] 2019-03-14 (PCT/US2019/022365)	
	[87] (WO2019/178421)	
	[30] US (62/643,578) 2018-03-15	
	[30] US (62/643,587) 2018-03-15	
	[30] US (62/643,597) 2018-03-15	
	[30] US (62/643,598) 2018-03-15	
	[30] US (62/692,010) 2018-06-29	
	[30] US (62/692,100) 2018-06-29	
	[30] US (62/692,019) 2018-06-29	
	[30] US (62/768,448) 2018-11-16	
	[30] US (62/768,428) 2018-11-16	
	[30] US (62/768,443) 2018-11-16	
	[30] US (62/768,458) 2018-11-16	
	[30] US (62/804,265) 2019-02-12	
	[21] 3,093,920 [13] A1	[21] 3,093,923 [13] A1
	[51] Int.Cl. A23G 9/28 (2006.01) A23G 9/04 (2006.01) A23G 9/22 (2006.01)	[51] Int.Cl. A61K 9/10 (2006.01) A61K 47/34 (2017.01) A61L 27/18 (2006.01) A61L 27/52 (2006.01) A61L 31/14 (2006.01) A61N 7/02 (2006.01)
	[25] EN	[25] EN
	[54] MICROCHANNEL FREEZING CYLINDER ASSEMBLY	[54] SYSTEMS AND METHODS FOR GEL-BASED NEUROMODULATION
	[54] ENSEMBLE CYLINDRE DE CONGELATION A MICROCANAU	[54] SYSTEMES ET PROCEDES DE NEUROMODULATION A BASE DE GEL
	[72] WADLE, STEPHEN M., US	[72] BRIGHT, CORINNE, US
	[72] MINARD, JAMES J., US	[71] TULAVI THERAPEUTICS, INC., US
	[71] TAYLOR COMMERCIAL FOODSERVICE, LLC, US	[85] 2020-09-14
	[85] 2020-09-11	[86] 2019-03-15 (PCT/US2019/022616)
	[86] 2020-01-08 (PCT/US2020/012662)	[87] (WO2019/178564)
	[87] (WO2020/150048)	[30] US (62/643,174) 2018-03-15
	[30] US (62/793,101) 2019-01-16	

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[21] **3,093,924**
[13] A1

[51] **Int.Cl. A61B 17/24 (2006.01) A61M 29/02 (2006.01) A61M 31/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR TREATING THE NASAL CAVITY**

[54] **SYSTEMES ET METHODES POUR TRAITER LA CAVITE NASALE**

[72] FAHEY, BRIAN, US

[72] FOX, WILLIAM JASON, US

[72] HESTER, JEROME, US

[72] SAADAT, MOJGAN, US

[72] SAADT, VAHID, US

[71] ARRINEX, INC., US

[85] 2020-09-14

[86] 2019-03-18 (PCT/US2019/022802)

[87] (WO2019/178607)

[30] US (62/644,137) 2018-03-16

[30] US (62/652,706) 2018-04-04

[21] **3,093,928**
[13] A1

[51] **Int.Cl. C03B 5/225 (2006.01) C03B 5/04 (2006.01)**

[25] EN

[54] **GRADIENT FINING TANK FOR REFINING FOAMY MOLTEN GLASS AND A METHOD OF USING THE SAME**

[54] **CUVE D'AFFINAGE A GRADIENT POUR RAFFINER DU VERRE FONDU MOUSSEUX ET PROCEDE POUR L'UTILISER**

[72] WANG, ZHONGMING, US

[72] VEMPATI, UDAYA K., US

[72] LIN, YA-CHENG, US

[71] OWENS-BROCKWAY GLASS CONTAINER INC., US

[85] 2020-09-14

[86] 2019-03-12 (PCT/US2019/021787)

[87] (WO2019/178052)

[30] US (15/922,536) 2018-03-15

[21] **3,093,951**
[13] A1

[51] **Int.Cl. E05F 15/668 (2015.01) E05F 15/73 (2015.01) E05F 15/77 (2015.01) G07C 9/00 (2020.01) E05G 5/00 (2006.01) G06K 9/00 (2006.01) G06K 9/32 (2006.01)**

[25] EN

[54] **GARAGE DOOR OPERATOR WITH CAMERA**

[54] **ACTIONNEUR DE PORTE DE GARAGE AVEC CAMERA**

[72] LENTS, VICKIE CHAN, US

[72] BRESSON, DAVID P., US

[71] ASSA ABLOY ENTRANCE SYSTEMS AB, SE

[85] 2020-09-14

[86] 2019-04-17 (PCT/EP2019/059904)

[87] (WO2019/201985)

[30] US (15/958,091) 2018-04-20

[21] **3,093,952**
[13] A1

[51] **Int.Cl. B65D 33/02 (2006.01) F41B 9/00 (2006.01)**

[25] EN

[54] **FLUID VESSEL WITH CONFIGURABLE SHAPE**

[54] **RECIPIENT DE FLUIDE A FORME POUVANT ETRE CONFIGUREE**

[72] NEWELL, DAVID TIMOTHY, GB

[71] THE SECRETARY OF STATE FOR DEFENCE, GB

[85] 2020-09-14

[86] 2019-03-06 (PCT/GB2019/000042)

[87] (WO2019/175526)

[30] GB (1804152.5) 2018-03-15

[21] **3,093,953**
[13] A1

[51] **Int.Cl. F24H 7/04 (2006.01)**

[25] EN

[54] **WALL MOUNTABLE ELECTRIC HEATER WITH SLIM FORM FACTOR**

[54] **DISPOSITIF DE CHAUFFAGE ELECTRIQUE POUVANT ETRE MONTE SUR UN MUR AVEC UN FACTEUR DE FORME MINCE**

[72] CONOR, SCOTT, GB

[71] TRUST ELECTRIC HEATING LTD, GB

[85] 2020-09-14

[86] 2019-03-19 (PCT/GB2019/050762)

[87] (WO2019/180418)

[30] GB (1804373.7) 2018-03-19

[21] **3,093,954**
[13] A1

[51] **Int.Cl. H01L 29/812 (2006.01) H01L 29/66 (2006.01) H01L 31/112 (2006.01)**

[25] EN

[54] **SURFACE MESFET**

[54] **MESFET DE SURFACE**

[72] KALLIOINEN, SAMI, FI

[72] POHJONEN, HELENA, FI

[71] EMBERION OY, FI

[85] 2020-09-14

[86] 2019-03-05 (PCT/FI2019/050173)

[87] (WO2019/175471)

[30] FI (20185237) 2018-03-14

[21] **3,093,955**
[13] A1

[51] **Int.Cl. A61M 16/06 (2006.01) F16G 11/10 (2006.01)**

[25] EN

[54] **HEADGEAR WITH LOCK DISENGAGEMENT MECHANISM**

[54] **CASQUE DOTE D'UN MECANISME DE DESENGAGEMENT DE VERROUILLAGE**

[72] MCLAREN, MARK ARVIND, NZ

[72] HUDDART, BRETT JOHN, NZ

[72] HAMMER, JEROEN, NZ

[72] SLIGHT, MATTHEW ROBERT GEOFF, NZ

[72] KAPELEVICH, VITALY, NZ

[72] FELIX, DAVID MONROY, NZ

[72] TOMLINSON, MARK RICHARD, NZ

[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[85] 2020-09-14

[86] 2019-03-14 (PCT/IB2019/052057)

[87] (WO2019/175814)

[30] US (62/644,002) 2018-03-16

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[51] Int.Cl. C02F 1/461 (2006.01) C02F 1/58 (2006.01) C02F 1/72 (2006.01)	[51] Int.Cl. A61K 33/06 (2006.01) A61K 33/16 (2006.01) A61K 33/44 (2006.01)	[51] Int.Cl. B25J 9/00 (2006.01) A61B 5/0488 (2006.01) B25J 19/02 (2006.01)
[25] EN	[25] EN	[25] EN
[54] TREATMENT OF CYANOTOXIN-CONTAINING WATER	[54] BUFFERED MICROENCAPSULATED COMPOSITIONS AND METHODS	[54] LOWER-BODY EXOSKELETON USING ELECTROMYOGRAPHY FOR DIRECT FORCE AMPLIFICATION
[54] TRAITEMENT DES EAUX CONTENANT DES CYANOTOXINES	[54] COMPOSITIONS MICROENCAPSULEES TAMPONNEES ET METHODES ASSOCIEES	[54] EXOSQUELETTE DE CORPS INFERIEUR A ELECTROMYOGRAPHIE, DESTINE A L'AMPLIFICATION DE FORCE DIRECTE
[72] DESJARDINS, BRIANNA, US	[72] LATTA, MARK A., US	[72] BARNES, GAVIN A., US
[72] ROVISON, JOHN M., US	[72] GROSS, STEPHEN M., US	[72] LOCKHEED MARTIN CORPORATION, US
[72] AN, WEIDONG, US	[72] MCHALE, WILLIAM A., US	[72] LOCKHEED MARTIN CORPORATION, US
[72] HORNER, IAN, US	[71] PREMIER DENTAL PRODUCTS COMPANY, US	[72] LOCKHEED MARTIN CORPORATION, US
[71] PEROXYCHEM LLC, US	[85] 2020-09-14	[85] 2020-09-14
[85] 2020-08-12	[86] 2019-03-11 (PCT/US2019/021539)	[86] 2019-03-27 (PCT/US2019/024293)
[86] 2019-02-14 (PCT/US2019/018006)	[87] (WO2019/177927)	[87] (WO2019/191239)
[87] (WO2019/161052)	[30] US (15/921,350) 2018-03-14	[30] US (62/649,364) 2018-03-28
[30] US (62/630,433) 2018-02-14		
[21] 3,093,957 [13] A1	[21] 3,093,959 [13] A1	[21] 3,093,961 [13] A1
[25] EN	[51] Int.Cl. G06T 1/00 (2006.01) F16L 55/28 (2006.01)	[51] Int.Cl. A62C 27/00 (2006.01) A62C 3/02 (2006.01) A62C 31/05 (2006.01)
[54] DRILLING PARAMETER OPTIMIZATION FOR AUTOMATED WELL PLANNING, DRILLING, AND GUIDANCE SYSTEMS	[25] EN	[25] EN
[54] OPTIMISATION DE PARAMETRES DE FORAGE POUR SYSTEMES DE PLANIFICATION, DE FORAGE ET DE GUIDAGE DE Puits AUTOMATISES	[54] IMAGE PROCESSING TECHNIQUES FOR MULTI-SENSOR INSPECTION OF PIPE INTERIORS	[54] FLUID DISPERSION SYSTEM FOR FIRE SUPPRESSION
[72] ZARIPOV, MARAT, US	[54] TECHNIQUES DE TRAITEMENT D'IMAGE POUR INSPECTION A CAPTEURS MULTIPLES D'INTERIEURS DE TUYAUX	[72] ERCIFTCI, IRFAN, AU
[71] AI DRILLER, INC., US	[72] KUENY, TODD, US	[71] ERCIFTCI, IRFAN, AU
[85] 2020-09-14	[72] STARR, JUSTIN, US	[85] 2020-09-15
[86] 2019-03-13 (PCT/US2019/022068)	[72] SALOTTI, FODTER J., US	[86] 2018-06-13 (PCT/AU2018/050589)
[87] (WO2019/178240)	[71] REDZONE ROBOTICS, INC., US	[87] (WO2018/227249)
[30] US (62/642,041) 2018-03-13	[85] 2020-09-14	[30] AU (2017902237) 2017-06-13
	[86] 2019-03-14 (PCT/US2019/022183)	
	[87] (WO2019/178311)	
	[30] US (62/643,482) 2018-03-15	

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[21] **3,093,962**
[13] A1

[51] **Int.Cl. C09D 7/63 (2018.01) C09D 7/61 (2018.01) C09D 7/80 (2018.01) C09D 5/08 (2006.01) C09D 5/16 (2006.01) C09D 163/00 (2006.01)**

[25] EN

[54] **MULTIFUNCTIONAL COATINGS FOR USE IN WET ENVIRONMENTS**

[54] **REVETEMENTS MULTIFONCTIONNELS POUR UNE UTILISATION DANS DES ENVIRONNEMENTS HUMIDES**

[72] GAIER, MARCIEL, CA

[72] ALGERMOZI, MOHAMMED, CA

[71] GRAPHITE INNOVATION AND TECHNOLOGIES INC., CA

[85] 2020-09-15

[86] 2019-03-19 (PCT/CA2019/050334)

[87] (WO2019/178682)

[30] US (62/645,504) 2018-03-20

[21] **3,093,963**
[13] A1

[51] **Int.Cl. C07D 275/04 (2006.01)**

[25] EN

[54] **AMINO-BENZOISOTHIAZOLE AND AMINO-BENZOISOTHIADIAZOLE AMIDE COMPOUNDS**

[54] **COMPOSES D'AMIDE D'AMINO-BENZOISOTHIAZOLE ET D'AMINO-BENZOISOTHIADIAZOLE**

[72] DELONG, MITCHELL A., US

[72] STURDIVANT, JILL M., US

[72] LICHOROWIC, CYNTHIA L., US

[71] AERIE PHARMACEUTICALS, INC., US

[85] 2020-09-14

[86] 2019-03-14 (PCT/US2019/022204)

[87] (WO2019/178324)

[30] US (62/643,129) 2018-03-14

[30] US (62/738,940) 2018-09-28

[30] US (62/760,592) 2018-11-13

[21] **3,093,964**
[13] A1

[51] **Int.Cl. A01B 63/24 (2006.01) A01B 63/32 (2006.01) A01C 5/06 (2006.01) A01C 7/20 (2006.01)**

[25] EN

[54] **AGRICULTURAL ROW UNIT ACCESSORY**

[54] **ACCESSOIRE D'UNITE DE RANGEE AGRICOLE**

[72] SIVINSKI, JEFFREY ALAN, US

[71] HARVEST INTERNATIONAL, INC., US

[85] 2020-09-14

[86] 2019-03-13 (PCT/US2019/022072)

[87] (WO2019/178243)

[30] US (62/643,862) 2018-03-16

[21] **3,093,965**
[13] A1

[51] **Int.Cl. H04W 72/02 (2009.01) H04W 36/36 (2009.01)**

[25] EN

[54] **METHOD FOR CARRIER SELECTION IN INTERNET OF VEHICLES, AND TERMINAL DEVICE**

[54] **PROCEDE DE SELECTION DE PORTEUSE DANS L'INTERNET DES VEHICULES, ET DISPOSITIF TERMINAL**

[72] TANG, HAI, CN

[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN

[85] 2020-09-15

[86] 2018-03-15 (PCT/CN2018/079205)

[87] (WO2019/174017)

[21] **3,093,966**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/22 (2006.01) G06K 9/32 (2006.01) G06K 9/46 (2006.01)**

[25] EN

[54] **METHOD FOR IDENTIFYING AN OBJECT WITHIN AN IMAGE AND MOBILE DEVICE FOR EXECUTING THE METHOD**

[54] **PROCEDE D'IDENTIFICATION D'UN OBJET DANS UNE IMAGE ET DISPOSITIF MOBILE POUR EXECUTER LE PROCEDE**

[72] ARAGON, JESUS, US

[71] IDENTITY INC., US

[85] 2020-09-09

[86] 2019-03-15 (PCT/IB2019/052126)

[87] (WO2019/175846)

[30] EP (18382174.3) 2018-03-16

[21] **3,093,967**
[13] A1

[51] **Int.Cl. C07K 14/74 (2006.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **MODIFIED A1-A2 DOMAINS OF NON-NATURAL NKG2D LIGANDS THAT BIND NON-NATURAL NKG2D RECEPTORS**

[54] **DOMAINES A1-A2 MODIFIES DE LIGANDS NKG2D NON NATURELS SE LIANT A DES RECEPTEURS NKG2D NON NATURELS**

[72] KIM, KAMAN C., US

[72] LANDGRAF, KYLE E., US

[71] XYPHOS BIOSCIENCES INC., US

[85] 2020-09-14

[86] 2019-03-27 (PCT/US2019/024298)

[87] (WO2019/191243)

[30] US (62/648,636) 2018-03-27

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[21] 3,093,968 [13] A1	[21] 3,093,969 [13] A1	[21] 3,093,971 [13] A1
[51] Int.Cl. C12N 15/01 (2006.01) C12N 15/113 (2010.01) C07H 21/04 (2006.01) C12N 15/11 (2006.01) C12N 15/85 (2006.01) C12N 15/86 (2006.01) C12N 15/90 (2006.01) C12Q 1/68 (2018.01)	[51] Int.Cl. C07K 14/705 (2006.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) C07K 14/725 (2006.01) C07K 16/30 (2006.01)	[51] Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6876 (2018.01) G16B 20/00 (2019.01) G16B 30/00 (2019.01) C12Q 1/68 (2018.01)
[25] EN	[25] EN	[25] EN
[54] GENE-REGULATING COMPOSITIONS AND METHODS FOR IMPROVED IMMUNOTHERAPY	[54] EXPRESSION VECTORS FOR CHIMERIC ENGULFMENT RECEPTORS, GENETICALLY MODIFIED HOST CELLS, AND USES THEREOF	[54] TISSUE-SPECIFIC METHYLATION MARKER
[54] COMPOSITIONS DE REGULATION GENIQUE ET PROCEDES POUR AMELIORER L'IMMUNOTHERAPIE	[54] VECTEURS D'EXPRESSION POUR RECEPTEURS D'ENVAHISSEMENT CHIMERIQUES, CELLULES HOTES GENETIQUEMENT MODIFIEES, ET LEURS UTILISATIONS	[54] MARQUEUR DE METHYLATION SPECIFIQUE AU TISSU
[72] BENSON, MICAH, US	[72] COREY, DANIEL MARK, US	[72] LO, YUK-MING DENNIS, CN
[72] MERKIN, JASON, US	[72] IBARRA, INGRID, US	[72] CHIU, ROSSA WAI KWUN, CN
[72] KRYUKOV, GREGORY V., US	[71] CERO THERAPEUTICS, INC., US	[72] CHAN, KWAN CHEE, CN
[72] SHENKER, SOLOMON MARTIN, US	[85] 2020-09-14	[72] GAI, WANXIA, CN
[72] SCHLABACH, MICHAEL, US	[86] 2019-03-27 (PCT/US2019/024441)	[72] JI, LU, CN
[72] TUBO, NOAH, US	[87] (WO2019/191339)	[71] GRAIL, INC., US
[71] KSQ THERAPEUTICS, INC., US	[30] US (62/649,499) 2018-03-28	[85] 2020-09-14
[85] 2020-09-14		[86] 2019-03-15 (PCT/US2019/022504)
[86] 2019-03-14 (PCT/US2019/022366)		[87] (WO2019/178496)
[87] (WO2019/178422)		[30] US (62/643,649) 2018-03-15
[30] US (62/643,582) 2018-03-15		[30] US (62/769,928) 2018-11-20
[30] US (62/643,578) 2018-03-15		
[30] US (62/692,014) 2018-06-29	[21] 3,093,970 [13] A1	[21] 3,093,972 [13] A1
[30] US (62/692,010) 2018-06-29	[51] Int.Cl. A61K 31/4245 (2006.01) A61K 31/444 (2006.01) A61K 31/4965 (2006.01) A61K 31/519 (2006.01) A61K 31/553 (2006.01) A61P 1/00 (2006.01) A61P 1/10 (2006.01)	[51] Int.Cl. C07D 255/02 (2006.01) A61K 31/395 (2006.01) A61K 31/675 (2006.01)
[30] US (62/714,333) 2018-08-03	[25] EN	[25] EN
[30] US (62/714,337) 2018-08-03	[54] COMPOSITIONS AND METHODS FOR TREATING SEVERE CONSTIPATION	[54] TRIAZACYCLODODECANSULFO NAMIDE ("TCD")-BASED PROTEIN SECRETION INHIBITORS
[30] US (62/768,428) 2018-11-16	[54] COMPOSITIONS ET METHODES DE TRAITEMENT DE LA CONSTIPATION SEVERE	[54] INHIBITEURS DE SECRETION DE PROTEINE A BASE DE TRIAZACYCLODODECANSULFO NAMIDE ("TCD")
[30] US (62/768,459) 2018-11-16	[72] HUBBARD, BRIAN K., US	[72] JOHNSON, HENRY, US
[30] US (62/768,430) 2018-11-16	[72] SERRANO-WU, MICHAEL H., US	[71] KEZAR LIFE SCIENCES, US
[30] US (62/768,462) 2018-11-16	[71] ANJI PHARMACEUTICALS INC., US	[85] 2020-09-14
[30] US (62/804,259) 2019-02-12	[85] 2020-09-14	[86] 2019-03-15 (PCT/US2019/022533)
	[86] 2019-03-15 (PCT/US2019/022499)	[87] (WO2019/178510)
	[87] (WO2019/178492)	[30] US (62/643,931) 2018-03-16
	[30] US (62/644,033) 2018-03-16	[30] US (62/803,704) 2019-02-11

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[21] **3,093,973**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) C12N 5/0781 (2010.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **CELLULAR IMMUNOTHERAPY COMPOSITIONS AND USES THEREOF**

[54] **COMPOSITIONS D'IMMUNOTHERAPIE CELLULAIRE ET UTILISATIONS ASSOCIEES**

[72] COREY, DANIEL MARK, US

[71] CERO THERAPEUTICS, INC., US

[85] 2020-09-14

[86] 2019-03-27 (PCT/US2019/024442)

[87] (WO2019/191340)

[30] US (62/649,541) 2018-03-28

[30] US (62/652,838) 2018-04-04

[30] US (62/734,863) 2018-09-21

[21] **3,093,974**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/436 (2006.01) A61K 38/13 (2006.01) A61K 47/10 (2017.01) A61P 37/06 (2006.01)**

[25] EN

[54] **IMMUNOSUPPRESSIVE DOSAGE FORMS AND METHODS OF USE**

[54] **FORMES POSOLOGIQUES IMMUNOSUPPRESSIVES ET PROCEDES D'UTILISATION**

[72] BANSAL, PADAM, US

[72] PATEL, HARDIK, US

[72] PATEL, AMITKUMAR, US

[72] PATEL, SUHASKUMAR, US

[71] GEMINI LABORATORIES, LLC, US

[85] 2020-09-14

[86] 2019-03-19 (PCT/US2019/022989)

[87] (WO2019/183109)

[30] US (62/644,782) 2018-03-19

[21] **3,093,976**
[13] A1

[51] **Int.Cl. C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **KV7 CHANNEL ACTIVATORS COMPOSITIONS AND METHODS OF USE**

[54] **COMPOSITIONS D'ACTIVATEURS DE CANAL KV7 ET PROCEDES D'UTILISATION**

[72] BOZIK, MICHAEL E., US

[72] HARRIED, SCOTT S., US

[72] RESNICK, LYNN, US

[72] TOPALOV, GEORGE T., US

[72] BELARDI, JUSTIN K., US

[72] FLENTGE, CHARLES A., US

[72] MARESKA, DAVID A., US

[72] HALE, JAMES S., US

[71] KNOPP BIOSCIENCES LLP, US

[85] 2020-09-14

[86] 2019-03-19 (PCT/US2019/023039)

[87] (WO2019/183148)

[30] US (62/644,902) 2018-03-19

[30] US (62/644,932) 2018-03-19

[30] US (62/663,438) 2018-04-27

[30] US (62/697,198) 2018-07-12

[21] **3,093,977**
[13] A1

[51] **Int.Cl. E04B 9/34 (2006.01) E04B 9/04 (2006.01) E04B 9/12 (2006.01) E04B 9/24 (2006.01)**

[25] EN

[54] **CEILING SYSTEM HAVING A PLURALITY OF DIFFERENT PANELS**

[54] **SYSTEME DE PLAFOND AYANT UNE PLURALITE DE PANNEAUX DIFFERENTS**

[72] BAXTER, NATHAN J., US

[72] PAWLAK, SAMUEL D., US

[72] HARNISH, SCOTT D., US

[72] HANUSCHAK, RYAN D., US

[72] FRIEZ, NICHOLAS J., US

[72] CANFIJN, NATHAN H., US

[72] DEPAUL, MARIE A., US

[72] PLACE, KAIN A., US

[71] ARMSTRONG WORLD INDUSTRIES, INC., US

[85] 2020-09-14

[86] 2019-03-20 (PCT/US2019/023212)

[87] (WO2019/183250)

[30] US (62/645,990) 2018-03-21

[21] **3,093,978**
[13] A1

[51] **Int.Cl. A62B 25/00 (2006.01) A62B 7/00 (2006.01) B60H 1/00 (2006.01) B64D 13/00 (2006.01) F24F 7/00 (2006.01)**

[25] EN

[54] **AIRCRAFT OXYGEN MASK CONTAINER ASSEMBLY**

[54] **ENSEMBLE CONTENEUR DE MASQUE D'OXYGENE D'AERONEF**

[72] DUCOS, ROMAIN, US

[71] AVOX SYSTEMS INC., US

[85] 2020-09-14

[86] 2019-02-14 (PCT/US2019/018029)

[87] (WO2019/161069)

[30] US (62/630,721) 2018-02-14

[21] **3,093,979**
[13] A1

[51] **Int.Cl. H04W 74/08 (2009.01) H04W 56/00 (2009.01)**

[25] EN

[54] **METHOD AND DEVICE FOR TRANSMITTING SYNCHRONIZATION SIGNAL BLOCK, AND STORAGE MEDIUM**

[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION D'UN BLOC DE SIGNAUX DE SYNCHRONISATION, ET SUPPORT D'INFORMATIONS**

[72] TANG, HAI, CN

[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN

[85] 2020-09-15

[86] 2018-03-27 (PCT/CN2018/080625)

[87] (WO2019/183791)

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<p>[51] Int.Cl. B29C 67/08 (2006.01) B01D 5/00 (2006.01) B01D 61/02 (2006.01) B01D 65/08 (2006.01) B05D 3/10 (2006.01) B08B 17/06 (2006.01) B29C 35/08 (2006.01) B29C 59/02 (2006.01)</p> <p>[25] EN</p> <p>[54] PHOTOCURABLE COMPOSITIONS AND METHOD OF FORMING TOPOGRAPHICAL FEATURES ON A MEMBRANE SURFACE USING PHOTOCURABLE COMPOSITIONS</p> <p>[54] COMPOSITIONS PHOTODURCISSABLES ET PROCEDE DE FORMATION D'ELEMENTS TOPOGRAPHIQUES SUR UNE SURFACE DE MEMBRANE A L'AIDE DE COMPOSITIONS PHOTODURCISSABLES</p> <p>[72] IZZO, MICHAEL, US</p> <p>[72] JOHNSON, IVAN, US</p> <p>[72] JIN, SHUHUA, US</p> <p>[71] HENKEL IP & HOLDING GMBH, DE</p> <p>[85] 2020-09-14</p> <p>[86] 2019-03-28 (PCT/US2019/024466)</p> <p>[87] (WO2019/191355)</p> <p>[30] US (62/649,174) 2018-03-28</p>	<p>[51] Int.Cl. C07D 471/06 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)</p> <p>[25] EN</p> <p>[54] CRYSTAL FORM OF MONOMETHANESULFONATE OF DEUTERATED 3-(4,5-SUBSTITUTED AMINOPYRIMIDINE)PHENYL COMPOUND AND PREPARATION METHOD THEREFOR</p> <p>[54] FORME CRISTALLINE DE MONOMETHANESULFONATE D'UN COMPOSE DEUTERE DE 3-(AMINOPYRIMIDINE 4,5-SUBSTITUE)PHENYLE, ET PROCEDE DE PREPARATION ASSOCIE</p> <p>[72] ZHU, YONGQIANG, CN</p> <p>[72] YANG, YANG, CN</p> <p>[72] HAI, OU, CN</p> <p>[72] LIU, ZHAOGANG, CN</p> <p>[72] FENG, CHAO, CN</p> <p>[71] NANJING CHUANGTE PHARMACEUTICAL TECHNOLOGY CO., LTD, CN</p> <p>[85] 2020-09-15</p> <p>[86] 2019-03-15 (PCT/CN2019/078200)</p> <p>[87] (WO2019/174623)</p> <p>[30] CN (201810220003.4) 2018-03-16</p>	<p>[51] Int.Cl. C07C 233/60 (2006.01) A61K 31/16 (2006.01) A61P 37/00 (2006.01)</p> <p>[25] EN</p> <p>[54] NOVEL CALCIUM SALT POLYMORPHS AS ANTI-INFLAMMATORY, IMMUNOMODULATORY AND ANTI-PROLIFERATORY AGENTS</p> <p>[54] NOUVEAUX POLYMORPHES DE SEL DE CALCIUM EN TANT QU'AGENTS ANTI-INFLAMMATOIRES, IMMUNOMODULATEURS ET ANTI-PROLIFERATIFS</p> <p>[72] VITT, DANIEL, DE</p> <p>[72] MUHLER, ANDREAS, DE</p> <p>[72] GROPPPEL, MANFRED, DE</p> <p>[72] KOHLHOF, HELLA, DE</p> <p>[71] IMMUNIC AG, DE</p> <p>[85] 2020-09-15</p> <p>[86] 2019-03-15 (PCT/EP2019/056560)</p> <p>[87] (WO2019/175396)</p> <p>[30] EP (18162244.0) 2018-03-16</p>
	[21] 3,093,983 [13] A1	[21] 3,093,985 [13] A1
	<p>[51] Int.Cl. E04B 1/24 (2006.01) E04H 9/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ONE-PIECE STRUCTURAL FUSE</p> <p>[54] FUSIBLE STRUCTUREL MONOBLOC</p> <p>[72] PRYOR, STEVEN E., US</p> <p>[72] ELLIS, TIMOTHY S., US</p> <p>[72] CHI, BRANDON Y., US</p> <p>[71] SIMPSON STRONG-TIE COMPANY INC., US</p> <p>[85] 2020-09-14</p> <p>[86] 2019-03-21 (PCT/US2019/023406)</p> <p>[87] (WO2019/190882)</p> <p>[30] US (15/935,412) 2018-03-26</p>	<p>[51] Int.Cl. A61K 31/337 (2006.01) A61K 31/473 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01)</p> <p>[25] EN</p> <p>[54] DEUTERATED ANALOGS OF ELACRIDAR</p> <p>[54] ANALOGUES DEUTERES D'ELACRIDAR</p> <p>[72] BUNT, ANTONIUS MARTINUS GUSTAVE, US</p> <p>[71] IZUMI TECHNOLOGY, LLC, US</p> <p>[85] 2020-09-14</p> <p>[86] 2019-03-21 (PCT/US2019/023443)</p> <p>[87] (WO2019/183403)</p> <p>[30] US (62/646,238) 2018-03-21</p>

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[21] **3,093,986**
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01)**

[25] EN

[54] **SENSOR CABLE SUPPORT DEVICE INCLUDING MECHANICAL CONNECTORS**

[54] **DISPOSITIF DE SUPPORT DE CABLE DE CAPTEUR COMPRENANT DES CONNECTEURS MECANIQUES**

[72] KO, PEY-JIUN, US

[72] LIN, ARTHUR, US

[72] STOWE, TIMOTHY, US

[71] DEXCOM, INC., US

[85] 2020-09-14

[86] 2019-03-28 (PCT/US2019/024605)

[87] (WO2019/191446)

[30] US (62/649,350) 2018-03-28

[21] **3,093,989**
[13] A1

[51] **Int.Cl. G01N 37/00 (2006.01)**

[25] EN

[54] **GAS-LIQUID FALLING FILM EQUILIBRATION SYSTEM AND METHODS OF USE**

[54] **SYSTEME D'EQUILIBRAGE DE FILM TOMBANT GAZ-LIQUIDE ET PROCEDES D'UTILISATION**

[72] MILLER, ALEXANDER WHITMAN, US

[72] REYNOLDS, AMANDA C., US

[71] SMITHSONIAN INSTITUTION, US

[85] 2020-09-14

[86] 2019-03-21 (PCT/US2019/023455)

[87] (WO2019/183411)

[30] US (62/646,357) 2018-03-21

[21] **3,093,991**
[13] A1

[51] **Int.Cl. H02J 3/00 (2006.01) H02J 9/06 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR INTELLIGENT EVENT WAVEFORM ANALYSIS**

[54] **SYSTEMES ET PROCEDES D'ANALYSE DE FORME D'ONDE D'EVENEMENT INTELLIGENT**

[72] MENZEL, JOHANNES, FR

[72] BICKEL, JON, US

[71] SCHNEIDER ELECTRIC USA, INC., US

[85] 2020-09-14

[86] 2019-04-04 (PCT/US2019/025736)

[87] (WO2019/195520)

[30] US (62/652,888) 2018-04-04

[30] US (62/785,297) 2018-12-27

[30] US (62/788,392) 2019-01-04

[21] **3,093,992**
[13] A1

[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] **NOVEL ANTI-PD-1 ANTIBODIES**

[54] **NOUVEAUX ANTICORPS ANTI-PD-1**

[72] CHEN, YUNYING, CN

[72] LI, JING, CN

[71] WUXI BIOLOGICS IRELAND LIMITED, IE

[85] 2020-09-15

[86] 2019-03-18 (PCT/CN2019/078515)

[87] (WO2019/179396)

[30] CN (201810255570.3) 2018-03-20

[30] CN (PCT/CN2018/079631) 2018-03-20

[21] **3,093,993**
[13] A1

[51] **Int.Cl. B23K 35/30 (2006.01) B23K 26/242 (2014.01) B23K 26/322 (2014.01) B23K 26/323 (2014.01) B23K 26/324 (2014.01) B21D 22/00 (2006.01) B23K 9/02 (2006.01) B23K 26/24 (2014.01) B23K 35/02 (2006.01) B32B 15/01 (2006.01) C21D 1/18 (2006.01) C21D 6/00 (2006.01) C21D 8/02 (2006.01) C21D 8/04 (2006.01) C21D 9/50 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/12 (2006.01) C22C 38/14 (2006.01) C22C 38/18 (2006.01) C22C 38/22 (2006.01) C22C 38/24 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01) C22C 38/38 (2006.01)**

[25] EN

[54] **METHOD FOR WELDING COATED STEEL PLATES**

[54] **PROCEDE DE SOUDAGE DE TOLES D'ACIER REVETUES**

[72] BRUGGER, GERALD, AT

[71] VOESTALPINE AUTOMOTIVE COMPONENTS LINZ GMBH, AT

[85] 2020-09-15

[86] 2019-02-27 (PCT/EP2019/054890)

[87] (WO2019/185272)

[30] DE (10 2018 107 291.0) 2018-03-27

[21] **3,093,995**
[13] A1

[51] **Int.Cl. A01K 67/027 (2006.01) C07K 14/74 (2006.01) C07K 16/00 (2006.01)**

[25] EN

[54] **GENETICALLY MODIFIED NON-HUMAN ANIMALS FOR GENERATING THERAPEUTIC ANTIBODIES AGAINST PEPTIDE-MHC COMPLEXES, METHODS OF MAKING AND USES THEREOF**

[54] **ANIMAUX NON HUMAINS GENETIQUEMENT MODIFIES POUR PRODUIRE DES ANTICORPS THERAPEUTIQUES CONTRE DES COMPLEXES PEPTIDE-MHC, PROCEDES DE FABRICATION ET UTILISATIONS DE CEUX-CI**

[72] MURPHY, ANDREW J., US

[71] REGENERON PHARMACEUTICALS, INC., US

[85] 2020-09-14

[86] 2019-03-22 (PCT/US2019/023609)

[87] (WO2019/190922)

[30] US (62/647,720) 2018-03-24

[30] US (62/647,724) 2018-03-24

Demandes PCT entrant en phase nationale

[21] **3,093,997**
[13] A1

[51] **Int.Cl. C12M 1/12 (2006.01) C12M 1/30 (2006.01)**
[25] EN
[54] **FIXED BED SAMPLER AND RELATED METHODS**
[54] **ECHANTILLONNEUR A LIT FIXE ET PROCEDES ASSOCIES**
[72] CASTILLO, JOSE, BE
[72] MAIRESSE, BASTIEN, BE
[72] CHATEL, ALEX, BE
[72] RODRIGUEZ, SEBASTIEN JEAN-PIERRE MICHEL, BE
[72] VANHAVER, ALEXANDRE, BE
[71] UNIVERCELLS TECHNOLOGIES S.A., BE
[85] 2020-09-15
[86] 2019-03-18 (PCT/EP2019/056732)
[87] (WO2019/175442)
[30] BE (2018/5179) 2018-03-16
[30] US (62/644,014) 2018-03-16
[30] US (62/728,405) 2018-09-07

[21] **3,093,999**
[13] A1

[51] **Int.Cl. A61K 9/107 (2006.01) A61K 31/573 (2006.01) A61K 31/593 (2006.01) A61K 47/10 (2017.01) A61K 47/22 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITION**
[54] **COMPOSITION TOPIQUE**
[72] CRUTCHLEY, NIGEL, GB
[72] GEORGIOU, MICHELLE, GB
[72] LENON, STEPHEN, GB
[72] PRAESTEGAARD, MORTEN, GB
[71] MC2 THERAPEUTICS LIMITED, GB
[85] 2020-09-15
[86] 2019-03-18 (PCT/EP2019/056735)
[87] (WO2019/179958)
[30] EP (18162664.9) 2018-03-19

[21] **3,094,000**
[13] A1

[51] **Int.Cl. D04B 1/24 (2006.01)**
[25] EN
[54] **KNITTED GARMENT**
[54] **VETEMENT TRICOTE**
[72] OBREZKINA, ANNA, DE
[71] OBREZKINA, ANNA, DE
[85] 2020-09-15
[86] 2019-03-01 (PCT/EP2019/055162)
[87] (WO2019/179750)
[30] DE (10 2018 106 524.8) 2018-03-20

[21] **3,094,001**
[13] A1

[51] **Int.Cl. C07D 241/38 (2006.01) A61K 31/498 (2006.01) A61P 9/00 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **RECEPTOR INHIBITOR, PHARMACEUTICAL COMPOSITION COMPRISING SAME, AND USE THEREOF**
[54] **INHIBITEUR DE RECEPTEUR, COMPOSITION PHARMACEUTIQUE LE COMPRENANT ET SON UTILISATION**
[72] ZHAO, YANPING, CN
[72] WANG, HONGJUN, CN
[72] WANG, YEMING, CN
[72] LI, XIANG, CN
[72] JIANG, YUANYUAN, CN
[72] HUANG, HUALI, CN
[72] LI, FAJIE, CN
[72] ZHOU, LIYING, CN
[72] SHAO, NING, CN
[72] XIAO, FENGPING, CN
[72] ZOU, ZHENGUANG, CN
[71] BEIJING TIDE PHARMACEUTICAL CO., LTD., CN
[85] 2020-09-15
[86] 2019-03-22 (PCT/CN2019/079226)
[87] (WO2019/179515)
[30] CN (201810244703.7) 2018-03-23

[21] **3,094,002**
[13] A1

[51] **Int.Cl. G08B 23/00 (2006.01) G08B 29/00 (2006.01) G08B 29/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING SMART ALARMS**
[54] **SYSTEMES ET PROCEDES DE GESTION D'ALARME INTELLIGENTES**
[72] MENZEL, JOHANNES, FR
[71] SCHNEIDER ELECTRIC USA, INC., US
[85] 2020-09-14
[86] 2019-04-04 (PCT/US2019/025842)
[87] (WO2019/195582)
[30] US (62/652,844) 2018-04-04
[30] US (62/785,291) 2018-12-27
[30] US (62/788,532) 2019-01-04

[21] **3,094,003**
[13] A1

[51] **Int.Cl. H01H 9/44 (2006.01) H01H 9/46 (2006.01)**
[25] EN
[54] **CIRCUIT BREAKER FOR ISOLATING AN ELECTRICAL CIRCUIT**
[54] **DISJONCTEUR DE PROTECTION POUR LA COUPURE D'UN CIRCUIT ELECTRIQUE**
[72] LOOS, KLAUS, DE
[72] WERNER, KLAUS, DE
[71] ELLENBERGER & POENSGEN GMBH, DE
[85] 2020-09-15
[86] 2019-03-08 (PCT/EP2019/055812)
[87] (WO2019/175042)
[30] DE (10 2018 204 104.0) 2018-03-16

[21] **3,094,004**
[13] A1

[51] **Int.Cl. B03B 9/00 (2006.01) C02F 11/121 (2019.01) B07B 15/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR GRADING AND WASHING SAND**
[54] **PROCEDE ET APPAREIL DE CLASSIFICATION ET DE LAVAGE DE SABLE**
[72] CONVERY, ANTHONY, GB
[71] CDE GLOBAL LIMITED, GB
[85] 2020-09-15
[86] 2019-03-22 (PCT/EP2019/057311)
[87] (WO2019/185489)
[30] GB (1804797.7) 2018-03-26

PCT Applications Entering the National Phase

[21] **3,094,005**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C12N 1/15 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **ANTI-CD27 ANTIBODY, ANTIGEN-BINDING FRAGMENT THEREOF AND MEDICAL USE THEREOF**

[54] **ANTICORPS ANTI-CD27, FRAGMENT DE LIAISON A L'ANTIGENE DE CELUI-CI ET UTILISATION MEDICALE ASSOCIEE**

[72] HUANG, HAO, CN
[72] FANG, YAN, CN
[72] YAN, ZHEN, CN
[72] SHI, RUIJUN, CN
[72] JIANG, JIAHUA, CN
[72] CAO, GUOQING, CN
[72] ZHANG, LIANSHAN, CN
[71] JIANGSU HENGRUL MEDICINE CO., LTD., CN
[85] 2020-09-15
[86] 2019-03-27 (PCT/CN2019/079811)
[87] (WO2019/184935)
[30] CN (201810267050.4) 2018-03-28

[21] **3,094,007**
[13] A1

[51] **Int.Cl. C09D 5/33 (2006.01) C09D 7/40 (2018.01) C09D 7/62 (2018.01)**

[25] EN

[54] **COATINGS WITH SOLAR REFLECTIVE PROPERTIES**

[54] **REVETEMENTS AYANT DES PROPRIETES DE REFLEXION SOLAIRE**

[72] GREENWOOD, PETER HARRY JOHAN, SE
[72] SLEPSKY, JONATHAN, US
[72] NORDIN, JAN, SE
[72] SANDIN, OLOF, SE
[71] NOURYON CHEMICALS INTERNATIONAL B.V., NL
[85] 2020-09-15
[86] 2019-03-19 (PCT/EP2019/056763)
[87] (WO2019/179974)
[30] US (62/645,920) 2018-03-21
[30] EP (18166553.0) 2018-04-10

[21] **3,094,008**
[13] A1

[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) C12N 15/09 (2006.01) C12N 15/10 (2006.01) C12P 19/34 (2006.01)**

[25] EN

[54] **DOUBLE-STRANDED NUCLEIC ACID INHIBITOR MOLECULES MODIFIED WITH TM-INCREASING NUCLEOTIDES**

[54] **MOLECULES D'INHIBITEUR D'ACIDE NUCLEIQUE DOUBLE BRIN MODIFIEES AVEC DES NUCLEOTIDES AUGMENTANT TM**

[72] WANG, WEIMIN, US
[72] NAZEF, NAIM, US
[72] BROWN, BOB DALE, US
[71] DICERNA PHARMACEUTICALS, INC., US
[85] 2020-09-14
[86] 2019-04-11 (PCT/US2019/027021)
[87] (WO2019/200124)
[30] US (62/657,428) 2018-04-13
[30] US (62/778,755) 2018-12-12

[21] **3,094,009**
[13] A1

[51] **Int.Cl. F04C 29/04 (2006.01) F04C 18/12 (2006.01)**

[25] EN

[54] **ROTARY PISTON ENGINE**

[54] **MACHINE A PISTON ROTATIF**

[72] KAVUN, DIMITRIJ SERGEY, DE
[71] GARDNER DENVER SCHOPFHEIM GMBH, DE
[85] 2020-09-15
[86] 2019-03-13 (PCT/EP2019/056322)
[87] (WO2019/175267)
[30] DE (10 2018 203 992.5) 2018-03-15

[21] **3,094,010**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01)**

[25] EN

[54] **SYNTHETIC TRANSFER RNA WITH EXTENDED ANTICODON LOOP**

[54] **ARN DE TRANSFERT SYNTHETIQUE A BOUCLE ANTICODON ETENDUE**

[72] IGNATOVA, ZOYA, DE
[72] TORDA, ANDREW, DE
[72] MATTHIES, MARCO, DE
[71] UNIVERSITAT HAMBURG, DE
[85] 2020-09-15
[86] 2019-03-14 (PCT/EP2019/056429)
[87] (WO2019/175316)
[30] LU (LU100734) 2018-03-15
[30] DE (10 2018 106 080.7) 2018-03-15

[21] **3,094,012**
[13] A1

[51] **Int.Cl. A23L 27/10 (2016.01)**

[25] EN

[54] **FLAVOR AND CONSUMMABLE COMPOSITIONS**

[54] **COMPOSITIONS SAPIDES ET CONSOMMABLES**

[72] VOLLENWEIDER, SABINE, CH
[72] WEHRLE, GABRIELE, CH
[71] GIVAUDAN SA, CH
[85] 2020-09-15
[86] 2019-03-25 (PCT/EP2019/057385)
[87] (WO2019/185514)
[30] GB (1804794.4) 2018-03-26

[21] **3,094,014**
[13] A1

[51] **Int.Cl. C08L 67/04 (2006.01)**

[25] EN

[54] **POLY(LACTIC ACID) COMPOSITION COMPRISING DIPENTAERYTHRITOL**

[54] **COMPOSITION D' ACIDE POLYLACTIQUE COMPRENANT DU DIPENTAERYTHRITOL**

[72] HORTOS LOBERA, MARTI, ES
[72] BOU SERRA, JORDI, ES
[72] ESPINO SOSA, SEBASTIAN, ES
[71] ERCROS, S.A., ES
[85] 2020-09-15
[86] 2019-03-20 (PCT/EP2019/056947)
[87] (WO2019/180074)
[30] EP (18382189.1) 2018-03-21

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[21] 3,094,015 [13] A1	[21] 3,094,017 [13] A1	[21] 3,094,019 [13] A1
[51] Int.Cl. A61K 47/61 (2017.01) [25] EN [54] USE OF ALGINATE OLIGOMERS TO ENHANCE THE TRANSLOCATION OF MICRO/NANOPARTICLES ACROSS MUCUS LAYERS [54] UTILISATION D'OLIGOMERES D'ALGINATE POUR AMELIORER LA TRANSLOCATION DE MICRO/NANOPARTICULES A TRAVERS DES COUCHES DE MUCUS [72] TAGALAKIS, ARISTIDES, GB [72] HART, STEPHEN, GB [72] KRISTIANSEN, ARE, NO [72] DESSEN, ARNE, NO [72] RYE, PHILIP, NO [71] ALGIPHARMA AS, NO [85] 2020-09-15 [86] 2019-03-19 (PCT/EP2019/056890) [87] (WO2019/180047) [30] GR (20180100114) 2018-03-19 [30] GB (1806495.6) 2018-04-20	[51] Int.Cl. G01S 7/481 (2006.01) G02F 1/35 (2006.01) [25] EN [54] LIDAR MEASURING SYSTEM WITH WAVELENGTH CONVERSION [54] SYSTEME DE MESURE LIDAR A CONVERSION DE LA LONGUEUR D'ONDE [72] HAKSPIEL, STEFAN, DE [71] IBEO AUTOMOTIVE SYSTEMS GMBH, DE [85] 2020-09-15 [86] 2019-04-03 (PCT/EP2019/058394) [87] (WO2019/197242) [30] DE (10 2018 205 381.2) 2018-04-10	[51] Int.Cl. B03D 1/14 (2006.01) B03D 1/24 (2006.01) C08B 37/00 (2006.01) C08J 3/14 (2006.01) [25] EN [54] METHOD AND SYSTEM FOR SEPARATING A PRECIPITATE FROM A LIQUID [54] PROCEDE ET SYSTEME PERMETTANT DE SEPARER UN PRECIPITE D'UN LIQUIDE [72] MALZER, WILFRIED, DE [72] EICHENSEER, MATTHIAS, DE [72] SIEKER, TIM, DE [72] VERHUELSDONK, MARCUS, DE [72] GRASER, KONSTANZE, DE [72] ZAVREL, MICHAEL, DE [71] CLARIANT INTERNATIONAL LTD., CH [85] 2020-09-15 [86] 2019-03-25 (PCT/EP2019/057463) [87] (WO2019/192872) [30] EP (18165785.9) 2018-04-04
[21] 3,094,016 [13] A1	[21] 3,094,018 [13] A1	[21] 3,094,020 [13] A1
[51] Int.Cl. A61K 31/4045 (2006.01) A61K 9/22 (2006.01) A61K 9/50 (2006.01) A61K 45/06 (2006.01) A61P 15/16 (2006.01) [25] EN [54] NON-HORMONAL COMPOSITIONS AND METHODS FOR MALE CONTRACEPTION [54] COMPOSITIONS NON HORMONALES ET PROCEDES DE CONTRACEPTION MASCULINE [72] EL GLAQUI, GUILLAUME, FR [72] EL GLAQUI, MEHDI, FR [72] PERRIN, PHILIPPE, FR [72] DROUPY, STEPHANE, FR [72] AGATHON-MERIAU, VERONIQUE, FR [71] LABORATOIRES MAJOR, FR [85] 2020-09-15 [86] 2019-03-22 (PCT/EP2019/057267) [87] (WO2019/180217) [30] EP (18305328.9) 2018-03-23 [30] US (62/763,129) 2018-03-23	[51] Int.Cl. H04W 52/02 (2009.01) H04W 68/00 (2009.01) [25] EN [54] DETECTING METHOD OF UE CAPABILITY, REPORTING METHOD OF UE CAPABILITY, MOBILE TERMINAL AND SERVER [54] PROCEDE DE DETECTION DE CAPACITE D'UE, PROCEDE DE NOTIFICATION DE CAPACITE D'UE, TERMINAL MOBILE ET SERVEUR [72] WANG, BAIGANG, CN [72] LI, WENJIN, CN [71] VIVO MOBILE COMMUNICATION CO., LTD., CN [85] 2020-09-15 [86] 2019-03-27 (PCT/CN2019/079849) [87] (WO2019/184945) [30] CN (201810265077.X) 2018-03-28	[51] Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) C12N 15/115 (2010.01) C12N 15/87 (2006.01) [25] EN [54] MODULATORS OF EZH2 EXPRESSION [54] MODULATEURS DE L'EXPRESSION DE L'EZH2 [72] JO, MINJI, US [72] KIM, YOUNGSOO, US [72] MACLEOD, ROBERT, US [72] FREIER, SUSAN M., US [71] IONIS PHARMACEUTICALS, INC., US [85] 2020-09-14 [86] 2019-04-11 (PCT/US2019/027090) [87] (WO2019/200172) [30] US (62/656,244) 2018-04-11

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[21] **3,094,021**
[13] A1

[51] **Int.Cl. B04B 1/12 (2006.01) B04B 1/02 (2006.01) B04B 5/04 (2006.01) B04B 5/10 (2006.01) B04B 11/02 (2006.01) B04C 3/00 (2006.01)**

[25] EN

[54] **AN APPARATUS FOR SEPARATING COMPONENTS OF A FLUID STREAM**

[54] **APPAREIL POUR SEPARER DES COMPOSANTS D'UN ECOULEMENT DE FLUIDE**

[72] MELLING, GERARD, GB

[72] SUTTIE, ALAN, GB

[72] LOUDON, BRIAN, GB

[72] ELLIOT, JOHN, GB

[71] GM INNOVATIONS LIMITED, GB

[85] 2020-09-15

[86] 2019-03-26 (PCT/EP2019/057623)

[87] (WO2019/185650)

[30] GB (1804792.8) 2018-03-26

[21] **3,094,022**
[13] A1

[51] **Int.Cl. C07D 207/34 (2006.01) A61K 31/4025 (2006.01) A61P 31/20 (2006.01) C07D 405/12 (2006.01)**

[25] EN

[54] **N-HETEROCYCLIC FIVE-MEMBERED RING-CONTAINING CAPSID PROTEIN ASSEMBLY INHIBITOR, PHARMACEUTICAL COMPOSITION THEREOF, AND USE THEREOF**

[54] **INHIBITEUR D'ASSEMBLAGE DE PROTEINES CAPSIDIQUES CONTENANT UN CYCLE A CINQ CHAINONS N-HETEROCYCLIQUE, COMPOSITION PHARMACEUTIQUE ET UTILISATION ASSOCIEES**

[72] ZHANG, YINSHENG, CN

[72] AO, WANGWEI, CN

[72] LI, YUAN, CN

[72] WANG, HUI, CN

[72] SHEN, HANGZHOU, CN

[72] NI, JIE, CN

[72] ZHANG, HUAN, CN

[72] WU, JIE, CN

[72] ZHANG, LI, CN

[72] CAO, KAI, CN

[72] LU, PENG, CN

[72] LIU, XUSHI, CN

[72] WANG, JIE, CN

[72] ZHAO, TIANXIAO, CN

[72] GE, XINGFENG, CN

[72] LU, DANDAN, CN

[72] CHEN, SHUO, CN

[72] MA, XUEQIN, CN

[72] SHI, WEI, CN

[72] WANG, XIAOJIN, CN

[72] XU, HONGJIANG, CN

[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN

[85] 2020-09-15

[86] 2019-03-29 (PCT/CN2019/080412)

[87] (WO2019/185016)

[30] CN (201810286111.1) 2018-03-30

[30] CN (201810730325.3) 2018-07-05

[30] CN (201910073465.2) 2019-01-25

[21] **3,094,023**
[13] A1

[51] **Int.Cl. G01S 7/486 (2020.01) G01S 7/487 (2006.01)**

[25] EN

[54] **METHOD FOR CARRYING OUT A MEASUREMENT PROCESS**

[54] **PROCEDE DE MISE EN ŒUVRE D'UN PROCESSUS DE MESURE**

[72] BEUSCHEL, RALF, DE

[72] KIESEL, RAINER, DE

[71] IBEO AUTOMOTIVE SYSTEMS GMBH, DE

[85] 2020-09-15

[86] 2019-04-03 (PCT/EP2019/058395)

[87] (WO2019/197243)

[30] DE (10 2018 205 376.6) 2018-04-10

[21] **3,094,026**
[13] A1

[51] **Int.Cl. A61K 31/57 (2006.01) A61K 9/00 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 25/30 (2006.01)**

[25] EN

[54] **GABA-A ANTAGONISTS FOR TREATING SUBSTANCE WITHDRAWAL DISORDERS**

[54] **ANTAGONISTES DE GABA-A POUR TRAITER DES TROUBLES DE SEVRAGE DE SUBSTANCE**

[72] BACKSTROM, TORBJORN, SE

[71] ASARINA PHARMA APS, DK

[85] 2020-09-15

[86] 2019-04-05 (PCT/EP2019/058607)

[87] (WO2019/193138)

[30] SE (1850385-4) 2018-04-05

[30] SE (1950069-3) 2019-01-22

Demandes PCT entrant en phase nationale

[21] **3,094,027**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) C12Q 1/6895 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) C07K 16/16 (2006.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/29 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **GENES, CONSTRUCTS AND MAIZE EVENT DP-202216-6**

[54] **GENES, CONSTRUCTIONS ET ACTIVITE DE MAIS DP-202216-6**

[72] CHRISTENSEN, HEATHER MARIE, US

[72] COLES, NATHAN DAVID, US

[72] DANILEVSKAYA, OLGA, US

[72] HABBEN, JEFFREY, US

[72] RUPE, MARY A., US

[72] SCHUSSLER, JEFFREY R., US

[72] SHEN, BO, US

[72] WEERS, BENJAMIN P., US

[72] WU, JINGRUI, US

[71] PIONEER HI-BRED INTERNATIONAL, INC., US

[85] 2020-09-14

[86] 2019-04-16 (PCT/US2019/027599)

[87] (WO2019/204253)

[30] US (62/659,579) 2018-04-18

[30] US (62/741,529) 2018-10-04

[21] **3,094,028**
[13] A1

[51] **Int.Cl. B66C 6/00 (2006.01)**

[25] EN

[54] **BOX GIRDER, IN PARTICULAR CRANE GIRDER, AND CRANE HEREWITH AS WELL AS MANUFACTURING METHOD THEREFOR**

[54] **POUTRE-CAISSON, EN PARTICULIER POUTRE DE GRUE, ET GRUE LA COMPORTANT, AINSI QUE PROCEDE DE FABRICATION POUR CELLE-CI**

[72] PEIPPO, JUHA, FI

[72] KALLIOKOSKI, KIRSI, FI

[71] KONECRANES GLOBAL CORPORATION, FI

[85] 2020-09-15

[86] 2019-04-17 (PCT/EP2019/060012)

[87] (WO2019/202043)

[30] FI (20185367) 2018-04-18

[21] **3,094,029**
[13] A1

[51] **Int.Cl. C07D 209/44 (2006.01) A61K 31/4015 (2006.01) A61P 11/06 (2006.01) A61P 11/14 (2006.01) A61P 17/00 (2006.01)**

[25] EN

[54] **ISOINDOLE DERIVATIVES**

[54] **DERIVE D'ISOINDOLE**

[72] ZHANG, HESHENG, CN

[71] TIANJIN HEMAY PHARMACEUTICAL SCI-TECH CO., LTD, CN

[85] 2020-09-15

[86] 2019-04-16 (PCT/CN2019/082943)

[87] (WO2019/201255)

[30] CN (201810341153.0) 2018-04-17

[21] **3,094,031**
[13] A1

[51] **Int.Cl. C08K 9/02 (2006.01) B32B 27/36 (2006.01) C08J 5/18 (2006.01) C08K 9/04 (2006.01) C08K 9/06 (2006.01) C09C 1/02 (2006.01)**

[25] EN

[54] **SURFACE-TREATED FILLERS FOR POLYESTER FILMS**

[54] **CHARGES A SURFACE TRAITEE POUR FILMS POLYESTER**

[72] KNERR, MICHAEL, CH

[72] FORNERA, TAZIO, CH

[72] BLANCHARD, PIERRE, FR

[72] SCHULZ, KARSTEN UDO, CH

[72] BRUNNER, MARTIN, CH

[72] ZENDELI, SULEJMAN, CH

[72] WELKER, MATTHIAS, FR

[71] OMYA INTERNATIONAL AG, CH

[85] 2020-09-15

[86] 2019-05-15 (PCT/EP2019/062537)

[87] (WO2019/224080)

[30] EP (18173894.9) 2018-05-23

[21] **3,094,032**
[13] A1

[51] **Int.Cl. H01H 33/00 (2006.01) H01H 33/02 (2006.01)**

[25] EN

[54] **INPUT IMPEDANCE MANAGEMENT AND LEAKAGE CURRENT DETECTION**

[54] **GESTION D'IMPEDANCE D'ENTREE ET DETECTION DE COURANT DE FUITE**

[72] KROMREY, TIMOTHY MARK, US

[72] AL-YOUSEF, HANI EMIL, US

[71] EATON INTELLIGENT POWER LIMITED, IE

[85] 2020-09-15

[86] 2019-03-20 (PCT/EP2019/025074)

[87] (WO2019/179664)

[30] US (62/646001) 2018-03-21

[21] **3,094,033**
[13] A1

[51] **Int.Cl. A47J 31/44 (2006.01)**

[25] EN

[54] **APPARATUS FOR MAKING A BEVERAGE, COMPRISING AN IMAGE ACQUISITION DEVICE**

[54] **APPAREIL DE PREPARATION DE BOISSON COMPRENANT UN DISPOSITIF D'ACQUISITION D'IMAGE**

[72] ACCURSI, GIOVANNI, IT

[72] DIAMANTI, MAURIZIO, IT

[71] CAFFITALY SYSTEM S.P.A., IT

[85] 2020-09-15

[86] 2019-02-28 (PCT/IB2019/051619)

[87] (WO2019/180522)

[30] IT (102018000003890) 2018-03-22

[21] **3,094,034**
[13] A1

[51] **Int.Cl. H04N 21/24 (2011.01) H04L 29/08 (2006.01)**

[25] EN

[54] **ADAPTIVE BIT-RATE METHODS FOR LIVE BROADCASTING**

[54] **PROCEDES A DEBIT BINAIRE ADAPTATIF POUR UNE DIFFUSION EN DIRECT**

[72] BIRRER, STEFAN, US

[72] BUSTAMANTE, FABIAN, US

[71] PHENIX REAL TIME SOLUTIONS, INC., US

[85] 2020-09-14

[86] 2019-04-26 (PCT/US2019/029327)

[87] (WO2019/210152)

[30] US (62/663,182) 2018-04-26

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[21] **3,094,035**
[13] A1

[51] **Int.Cl. H02J 1/00 (2006.01) H02G 3/14 (2006.01) H02J 7/02 (2016.01) H02M 7/04 (2006.01)**

[25] EN

[54] **A DEVICE CHARGER**

[54] **CHARGEUR DE DISPOSITIF**

[72] BHASIN, SUNNY, CA

[72] BUDUREA, DANIEL, CA

[72] PEVZNER, IGOR, CA

[72] SMEREKA, ANDRZEJ, CA

[71] 10757616 CANADA CORPORATION, CA

[85] 2020-09-15

[86] 2019-03-19 (PCT/IB2019/052234)

[87] (WO2019/180620)

[30] US (62/646,909) 2018-03-23

[30] US (62/667,684) 2018-05-07

[21] **3,094,036**
[13] A1

[51] **Int.Cl. B60C 1/00 (2006.01) C08L 7/00 (2006.01) C08L 9/00 (2006.01)**

[25] FR

[54] **TYRE WITH BEADS COMPRISING A SPECIFIC RUBBER COMPOSITION**

[54] **PNEUMATIQUE AVEC BOURRELETS COMPRENANT UNE COMPOSITION DE CAOUTCHOUC SPECIFIQUE**

[72] BELIN, LIONEL, FR

[72] MARECHAL, JEAN-MARC, FR

[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR

[85] 2020-09-15

[86] 2019-04-01 (PCT/FR2019/050750)

[87] (WO2019/197745)

[30] FR (1853074) 2018-04-09

[21] **3,094,038**
[13] A1

[51] **Int.Cl. A47J 31/44 (2006.01) B65D 85/804 (2006.01)**

[25] EN

[54] **DOMESTIC EXTRACTING MACHINE FOR HERBS CAPSULE**

[54] **MACHINE D'EXTRACTION DOMESTIQUE POUR CAPSULE D'HERBES**

[72] LEB, DAVID, PA

[72] BIVAS, ASSAF, IL

[71] LEB, DAVID, PA

[71] BIVAS, ASSAF, IL

[85] 2020-09-15

[86] 2019-03-14 (PCT/IL2019/050285)

[87] (WO2019/180697)

[30] IL (258287) 2018-03-21

[21] **3,094,039**
[13] A1

[51] **Int.Cl. H04N 7/18 (2006.01) F41G 5/08 (2006.01) F41H 13/00 (2006.01) G01S 3/78 (2006.01) G06K 9/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CARRYING OUT A FLEXIBLE HANDOVER BETWEEN MULTIPLE ENERGY DIRECTING ELEMENTS**

[54] **SYSTEME ET PROCEDE POUR EFFECTUER UN TRANSFERT FLEXIBLE ENTRE DE MULTIPLES ELEMENTS D'ORIENTATION D'ENERGIE**

[72] GROSSMAN, KUTI, IL

[71] ELBIT SYSTEMS ELECTRO-OPTICS ELOP LTD., IL

[85] 2020-09-15

[86] 2019-03-19 (PCT/IL2019/050302)

[87] (WO2019/180707)

[30] IL (258233) 2018-03-19

[21] **3,094,040**
[13] A1

[51] **Int.Cl. A43B 7/14 (2006.01) A43B 7/22 (2006.01) A43B 17/00 (2006.01)**

[25] FR

[54] **FLEXIBLE INSOLE FOR A FOOTWEAR ARTICLE AND ORTHOPAEDIC SHOE COMPRISING SUCH AN INSOLE**

[54] **SEMELLE INTERIEURE FLEXIBLE POUR ARTICLE CHAUSSANT ET CHAUSSURE ORTHOPEDIQUE COMPRENANT UNE TELLE SEMELLE**

[72] PALKOWSKI, NATHALIE, FR

[71] PALKOWSKI, NATHALIE, FR

[85] 2020-09-15

[86] 2019-04-01 (PCT/FR2019/050755)

[87] (WO2019/197749)

[30] FR (1853229) 2018-04-13

[21] **3,094,041**
[13] A1

[51] **Int.Cl. G02B 7/02 (2006.01)**

[25] EN

[54] **SPACE RING, LENS SYSTEM, METHOD FOR MANUFACTURING SPACE RING, AND METHOD FOR ASSEMBLING LENS SYSTEM**

[54] **BAGUE D'ESPACEMENT, SYSTEME DE LENTILLE, PROCEDE DE FABRICATION DE BAGUE D'ESPACEMENT, ET PROCEDE D'ASSEMBLAGE DE SYSTEME DE LENTILLE**

[72] KAWADA, MASAKAZU, JP

[71] KAWADA, MASAKAZU, JP

[85] 2020-09-15

[86] 2018-03-19 (PCT/JP2018/010914)

[87] (WO2019/180799)

[21] **3,094,042**
[13] A1

[51] **Int.Cl. B41J 2/175 (2006.01)**

[25] EN

[54] **LIQUID CARTRIDGE INCLUDING MOVABLE MEMBER AND SYSTEM USING THE SAME**

[54] **CARTOUCHE DE LIQUIDE COMPRENANT UN ELEMENT MOBILE ET SYSTEME L'UTILISANT**

[72] MIYAO, TAKAHIRO, JP

[72] ONO, AKIHITO, JP

[72] TAKAHASHI, HIROAKI, JP

[72] KOBAYASHI, TETSURO, JP

[72] NAKAZAWA, FUMIO, JP

[72] NUKUI, KOSUKE, JP

[71] BROTHER KOGYO KABUSHIKI KAISHA, JP

[85] 2020-09-15

[86] 2018-03-29 (PCT/JP2018/013090)

[87] (WO2019/186856)

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[21] **3,094,043**
[13] A1

[51] **Int.Cl. H01Q 21/06 (2006.01) H01Q 21/24 (2006.01)**
[25] EN
[54] **ARRAY ANTENNA DEVICE**
[54] **DISPOSITIF D'ANTENNE A RESEAU**
[72] YAMAGUCHI, SATOSHI, JP
[72] WATANABE, HIKARU, JP
[72] FUKASAWA, TORU, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2020-09-15
[86] 2018-05-14 (PCT/JP2018/018585)
[87] (WO2019/220511)

[21] **3,094,044**
[13] A1

[51] **Int.Cl. A61K 36/28 (2006.01) A61K 35/44 (2015.01) A61K 36/87 (2006.01) B01D 11/00 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING EXTRACT AND EXTRACTION RESIDUE OF BIOLOGICAL MATERIAL, EXTRACT, AND EXTRACTION RESIDUE**
[54] **PROCEDE DE PRODUCTION D'EXTRAIT ET RESIDU D'EXTRACTION DE MATIERE BIOLOGIQUE, EXTRAIT ET RESIDU D'EXTRACTION**
[72] TORII, SHOGO, JP
[72] SHINOHARA, SATOSHI, JP
[72] SUZUKI, SHOGO, JP
[71] RICOH COMPANY, LTD., JP
[85] 2020-09-15
[86] 2019-03-12 (PCT/JP2019/010077)
[87] (WO2019/176958)
[30] JP (2018-050228) 2018-03-16
[30] JP (2018-050256) 2018-03-16
[30] JP (2018-155506) 2018-08-22
[30] JP (2018-155574) 2018-08-22

[21] **3,094,045**
[13] A1

[51] **Int.Cl. H04N 21/442 (2011.01) H04H 20/59 (2009.01) H04H 40/18 (2009.01) H04N 21/488 (2011.01) G08B 21/00 (2006.01) G08B 27/00 (2006.01) H04B 1/16 (2006.01)**
[25] EN
[54] **RECEIVING DEVICE, RECEIVING METHOD, SIGNAL PROCESSING DEVICE, AND SIGNAL PROCESSING METHOD**
[54] **DISPOSITIF DE RECEPTION, PROCEDE DE RECEPTION, DISPOSITIF DE TRAITEMENT DE SIGNAL ET PROCEDE DE TRAITEMENT DE SIGNAL**
[72] KITAHARA, JUN, JP
[71] SONY CORPORATION, JP
[85] 2020-09-14
[86] 2019-03-08 (PCT/JP2019/009266)
[87] (WO2019/181552)
[30] JP (2018-054227) 2018-03-22

[21] **3,094,046**
[13] A1

[51] **Int.Cl. H01S 5/183 (2006.01) H01S 5/42 (2006.01)**
[25] EN
[54] **SURFACE-EMITTING LASER ARRAY, DETECTION DEVICE, AND LASER DEVICE**
[54] **RESEAU LASER A EMISSION DE SURFACE, DISPOSITIF DE DETECTION ET DISPOSITIF LASER**
[72] NUMATA, MASAYUKI, JP
[72] IKEOH, TOSHIYUKI, JP
[72] IZUMIYA, KAZUMA, JP
[72] UENO, TSUYOSHI, JP
[72] JIKUTANI, NAOTO, JP
[71] RICOH COMPANY, LTD., JP
[85] 2020-09-15
[86] 2019-03-14 (PCT/JP2019/010712)
[87] (WO2019/181757)
[30] JP (2018-051629) 2018-03-19
[30] JP (2018-248473) 2018-12-28

[21] **3,094,047**
[13] A1

[51] **Int.Cl. F16L 21/08 (2006.01)**
[25] EN
[54] **PIPE JOINT, PUSH RING FOR PIPE JOINT, METHOD FOR JOINING PIPES**
[54] **RACCORD DE TUYAU, BAGUE DE POUSSEE POUR RACCORD DE TUYAU, PROCEDE DE RACCORDEMENT DE TUYAUX**
[72] KISHI, SHOZO, JP
[72] ITO, KAZUYA, JP
[72] HARADA, KAZUMA, JP
[72] ODA, KEITA, JP
[72] TANAKA, RYUNOSUKE, JP
[72] IKEDA, KOHEI, JP
[72] KOMARU, YUITO, JP
[71] KUBOTA CORPORATION, JP
[85] 2020-09-15
[86] 2019-03-19 (PCT/JP2019/011384)
[87] (WO2019/181918)
[30] JP (2018-051967) 2018-03-20
[30] JP (2018-051968) 2018-03-20
[30] JP (2018-051969) 2018-03-20
[30] JP (2018-237820) 2018-12-20

[21] **3,094,049**
[13] A1

[51] **Int.Cl. B64D 11/06 (2006.01)**
[25] EN
[54] **A PASSENGER SEATING ARRANGEMENT HAVING ACCESS FOR DISABLED PASSENGERS**
[54] **AGENCEMENT DE SIEGE PASSAGER PRESENTANT UN ACCES POUR DES PASSAGERS HANDICAPES**
[72] NICHOLAS, RICHARD PETER JOHN, GB
[72] DRYBURGH, IAN HAMILTON, GB
[72] MCKEEVER, JOHN DAVID HENRY, GB
[71] ACUMEN DESIGN ASSOCIATES LTD., GB
[85] 2020-09-15
[86] 2018-12-07 (PCT/GB2018/053560)
[87] (WO2019/186090)
[30] GB (1805328.0) 2018-03-30
[30] US (16/162,176) 2018-10-16

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[21] **3,094,050**
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/1473 (2006.01) A61B 5/1486 (2006.01)**

[25] EN

[54] **LACTATE SENSORS AND ASSOCIATED METHODS**

[54] **CAPTEURS DE LACTATE ET PROCEDES ASSOCIES**

[72] CHEN, KUAN-CHOU, US

[72] OUYANG, TIANMEI, US

[72] OJA, STEPHEN, US

[72] FELDMAN, BENJAMIN J., US

[72] CHO, HYUN, US

[72] TRAN, LAM, US

[72] ESHOO, MARK, US

[71] ABBOTT DIABETES CARE INC., US

[85] 2020-09-15

[86] 2019-02-12 (PCT/US2019/017608)

[87] (WO2019/203918)

[30] US (62/659,759) 2018-04-19

[30] US (62/659,761) 2018-04-19

[30] US (16/259,157) 2019-01-28

[30] US (62/797,566) 2019-01-28

[21] **3,094,051**
[13] A1

[51] **Int.Cl. D21H 11/18 (2006.01) C08B 1/00 (2006.01) C08B 15/08 (2006.01) D01F 2/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING CELLULOSE NANOFIBERS**

[54] **PROCEDE DE FABRICATION DE NANOFIBRES DE CELLULOSE**

[72] OKAWA, JUNYA, JP

[71] DAIO PAPER CORPORATION, JP

[85] 2020-09-15

[86] 2019-03-18 (PCT/JP2019/011135)

[87] (WO2019/181838)

[30] JP (2018-052875) 2018-03-20

[21] **3,094,052**
[13] A1

[51] **Int.Cl. B64D 11/00 (2006.01) B64D 11/06 (2006.01)**

[25] EN

[54] **A PASSENGER SEATING ARRANGEMENT HAVING A SCREEN BETWEEN SEAT UNITS**

[54] **AGENCEMENT DE SIEGES PASSAGER AYANT UN ECRAN ENTRE UNITES DE SIEGE**

[72] WILLIAMS, ANDREW, GB

[71] ACUMEN DESIGN ASSOCIATES LTD, GB

[85] 2020-09-15

[86] 2018-12-07 (PCT/GB2018/053561)

[87] (WO2019/186091)

[30] GB (1805330.6) 2018-03-30

[30] US (16/162,142) 2018-10-16

[21] **3,094,053**
[13] A1

[51] **Int.Cl. G01N 27/22 (2006.01) G01N 29/02 (2006.01) G01N 29/032 (2006.01) G01N 29/036 (2006.01) G01N 29/22 (2006.01)**

[25] EN

[54] **SENSOR PROBE FOR ANALYSIS OF A FLUID**

[54] **SONDE DE CAPTEUR PERMETTANT L'ANALYSE D'UN FLUIDE**

[72] HARRISON, MARTIN ROY, GB

[71] SALUNDA LIMITED, GB

[85] 2020-09-15

[86] 2019-03-20 (PCT/GB2019/050780)

[87] (WO2019/193315)

[30] GB (1805559.0) 2018-04-04

[21] **3,094,054**
[13] A1

[51] **Int.Cl. C12Q 1/6853 (2018.01)**

[25] EN

[54] **METHODS FOR AMPLIFICATION OF NUCLEIC ACIDS WITH ENDONUCLEASE-MEDIATED SHIFTING EQUILIBRIUM (EM-SEQ)**

[54] **METHODES D'AMPLIFICATION D'ACIDES NUCLEIQUES AVEC EQUILIBRE DE DECALAGE A MEDIATION PAR ENDONUCLEASE (EM-SEQ)**

[72] LIPINSKI, KAMIL ANDRZEJ, GB

[71] DNAE DIAGNOSTICS LIMITED, GB

[85] 2020-09-15

[86] 2019-03-22 (PCT/GB2019/050822)

[87] (WO2019/180455)

[30] GB (1804585.6) 2018-03-22

[21] **3,094,055**
[13] A1

[51] **Int.Cl. C07C 43/13 (2006.01) C07C 41/18 (2006.01) C07D 207/46 (2006.01) C08G 65/329 (2006.01)**

[25] EN

[54] **BRANCHED MONODISPERSED POLYETHYLENE GLYCOL, INTERMEDIATE, AND METHOD FOR PRODUCING SAME**

[54] **POLYETHYLENE GLYCOL MONODISPERSE RAMIFIE, INTERMEDIAIRE ET PROCEDE DE PRODUCTION ASSOCIE**

[72] HAMURA, MIKA, JP

[72] MATSUNO, YUKI, JP

[72] YOSHIOKA, HIROKI, JP

[71] NOF CORPORATION, JP

[85] 2020-09-15

[86] 2019-03-19 (PCT/JP2019/011594)

[87] (WO2019/181984)

[30] JP (2018-052365) 2018-03-20

[21] **3,094,056**
[13] A1

[51] **Int.Cl. C12Q 1/04 (2006.01) C12Q 1/24 (2006.01) G01N 33/543 (2006.01) C12N 11/02 (2006.01) C12N 11/14 (2006.01)**

[25] EN

[54] **MICROORGANISM SEPARATION AND DETECTION**

[54] **SEPARATION ET DETECTION DE MICRO-ORGANISMES**

[72] LOCKHART, DANIEL, GB

[72] JAY, PAUL, GB

[72] TURNER, JAMES, GB

[72] ROGERS, ANDREW, GB

[72] CROW, MATTHEW, GB

[72] MULLEN, WILLIAM, GB

[71] MOMENTUM BIOSCIENCE LIMITED, GB

[85] 2020-09-15

[86] 2019-04-03 (PCT/GB2019/050959)

[87] (WO2019/193332)

[30] GB (1805479.1) 2018-04-03

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[21] **3,094,057**
[13] A1

[51] **Int.Cl. C07D 211/22 (2006.01) A61K 47/22 (2006.01) A61K 48/00 (2006.01) C07D 405/14 (2006.01)**

[25] EN

[54] **NOVEL CATIONIC LIPID EXHIBITING IMPROVED INTRACELLULAR DYNAMICS**

[54] **NOUVEAU LIPIDE CATIONIQUE PRESENTANT UNE DYNAMIQUE INTRACELLULAIRE AMELIOREE**

[72] NAKAI, YUTA, JP
[72] TANGE, KOTA, JP
[72] YOSHIOKA, HIROKI, JP
[72] TAMAGAWA, SHINYA, JP
[72] AKITA, HIDETAKA, JP
[72] TANAKA, HIROKI, JP
[72] TAKATA, NAE, JP
[72] KONISHI, MANAMI, JP
[72] TAKAHASHI, TATSUNARI, JP
[71] NOF CORPORATION, JP
[71] NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY, JP

[85] 2020-09-15
[86] 2019-03-25 (PCT/JP2019/012302)
[87] (WO2019/188867)
[30] JP (2018-060764) 2018-03-27

[21] **3,094,058**
[13] A1

[51] **Int.Cl. C04B 28/02 (2006.01)**

[25] EN

[54] **COMPOSITION OF A CEMENT ADDITIVE MATERIAL AS AN ADDITIVE TO CEMENTITIOUS MINERAL ADMIXTURES, AND UTILISED AS LATENT HYDRAULIC BINDERS TO IMPROVE THE OUTCOME OF CEMENTITIOUS PRODUCTS**

[54] **COMPOSITION D'UN MATERIAU ADDITIF DE CIMENT EN TANT QU'ADDITIF POUR DES MELANGES MINERAUX CIMENTAIRES, ET UTILISEE EN TANT QUE LIANTS HYDRAULIQUES LATENTS POUR AMELIORER LE RESULTAT DE PRODUITS CIMENTAIRES**

[72] KVASSNES, ASTRI, NO
[72] CLAUSEN, JILL ANGLIQUE, NO
[71] RESTONE AS, NO

[85] 2020-09-15
[86] 2018-10-03 (PCT/NO2018/050238)
[87] (WO2019/074373)
[30] NO (20171617) 2017-10-11
[30] NO (20181267) 2018-09-28

[21] **3,094,059**
[13] A1

[51] **Int.Cl. E05B 65/08 (2006.01) E05B 57/00 (2006.01) E05B 59/00 (2006.01) E05B 63/08 (2006.01)**

[25] EN

[54] **A LOCK ASSEMBLY**

[54] **ENSEMBLE SERRURE**

[72] HORWOOD, STUART, NZ
[72] JOHNSON, SAMUEL, NZ
[71] ASSA ABLOY NEW ZEALAND LIMITED, NZ

[85] 2020-09-15
[86] 2019-03-11 (PCT/NZ2019/050025)
[87] (WO2019/177467)
[30] NZ (740808) 2018-03-16

[21] **3,094,060**
[13] A1

[51] **Int.Cl. F16B 12/24 (2006.01) A47B 47/02 (2006.01) F16B 5/00 (2006.01)**

[25] EN

[54] **PANELS COMPRISING A MECHANICAL LOCKING DEVICE AND AN ASSEMBLED PRODUCT COMPRISING THE PANELS**

[54] **PANNEAUX COMPRENANT UN DISPOSITIF DE VERROUILLAGE MECANIQUE ET PRODUIT ASSEMBLE COMPRENANT LES PANNEAUX**

[72] DERELOV, PETER, SE
[72] SVENSSON, JOHAN, SE
[72] GUNNARSSON, LARS, SE
[71] VALINGE INNOVATION AB, SE

[85] 2020-09-15
[86] 2019-03-22 (PCT/SE2019/050259)
[87] (WO2019/182505)
[30] SE (1830096-2) 2018-03-23

[21] **3,094,061**
[13] A1

[51] **Int.Cl. B65D 41/34 (2006.01) B65D 55/02 (2006.01)**

[25] EN

[54] **TETHERED CONTAINER CLOSURE**

[54] **FERMETURE DE RECIPIENT A ATTACHE**

[72] CASZATT, BRADLEY W., US
[72] WILSON, BRADLEY, US
[71] BERICAP INC., CA

[85] 2020-09-15
[86] 2018-03-15 (PCT/US2018/022704)
[87] (WO2019/177616)

[21] **3,094,062**
[13] A1

[51] **Int.Cl. H04L 12/40 (2006.01)**

[25] EN

[54] **ELECTRONICS INCLUDING ELECTRICAL ISOLATION**

[54] **ELECTRONIQUE COMPRENANT UNE ISOLATION ELECTRIQUE**

[72] SMITH, BRIAN T., US
[71] MICRO MOTION, INC., US

[85] 2020-09-15
[86] 2018-03-27 (PCT/US2018/024462)
[87] (WO2019/190471)

[21] **3,094,063**
[13] A1

[51] **Int.Cl. C08L 67/02 (2006.01) C08L 51/04 (2006.01) C08L 69/00 (2006.01)**

[25] EN

[54] **POLYETHYLENE TEREPHTHALATE ALLOY HAVING TALC**

[54] **ALLIAGE DE POLY(TEREPHTHALATE D'ETHYLENE) AYANT DU TALC**

[72] RAZEEM, MOHAMMED, US
[72] DEARMITT, CHRIS, US
[71] OCTAL, INC., US

[85] 2020-09-15
[86] 2018-05-07 (PCT/US2018/031387)
[87] (WO2019/190572)
[30] US (62/648,119) 2018-03-26

[21] **3,094,068**
[13] A1

[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/00 (2006.01) A61B 17/17 (2006.01) A61B 17/32 (2006.01)**

[25] EN

[54] **BURR WITH IRRIGATION AND IMAGING**

[54] **FRAISE AVEC IRRIGATION ET IMAGERIE**

[72] MULLER, ERIN, US
[72] LUTTRELL, PAUL, US
[72] THOREN, BRIAN ROBERT, US
[72] NACHTRAB, DEAN J., US
[72] WOODARD, JOSEPH RYAN, US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US

[85] 2020-09-15
[86] 2018-06-27 (PCT/US2018/039664)
[87] (WO2020/005218)

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[21] **3,094,069**
[13] A1

[51] **Int.Cl. C04B 28/04 (2006.01) C04B 38/02 (2006.01) C09K 8/46 (2006.01) C09K 8/467 (2006.01)**

[25] EN
[54] **FLEXIBLE DURABLE CEMENT**
[54] **CIMENT DURABLE SOUPLE**

[72] AL-YAMI, ABDULLAH, SA
[72] WAGLE, VIKRANT, SA
[72] ALBAHRANI, HUSSAIN, SA
[72] ALSAIHATI, ZAINAB, SA
[72] SANTAGATI, ANTONIO, SA
[72] AL-ALQAM, MOHAMMAD, SA
[72] ALSAFRAN, ALI, SA
[72] ALHELAL, ABDULAZIZ, SA
[72] ALHARETH, NASSER, SA
[72] AL-AWADH, ABDULLAH, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-09-15
[86] 2018-08-22 (PCT/US2018/047419)
[87] (WO2019/182636)
[30] US (15/924,942) 2018-03-19

[21] **3,094,070**
[13] A1

[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/6592 (2006.01)**

[25] EN
[54] **CATALYST FORMULATIONS**
[54] **FORMULATIONS DE CATALYSEUR**

[72] MARIOTT, WESLEY R., US
[72] SZUL, JOHN F., US
[72] PENG, HAIQING, US
[72] FARLEY, JAMES M., US
[72] SAVATSKY, BRUCE J., US
[72] LOCKLEAR, BRANDON C., US
[71] UNIVATION TECHNOLOGIES, LLC, US
[85] 2020-09-15
[86] 2019-03-04 (PCT/US2019/020479)
[87] (WO2019/182746)
[30] US (62/647,099) 2018-03-23

[21] **3,094,071**
[13] A1

[51] **Int.Cl. C09K 8/50 (2006.01) B01J 19/12 (2006.01)**

[25] EN
[54] **USING ELECTROMAGNETIC WAVES TO REMOVE NEAR WELLBORE DAMAGES IN A HYDROCARBON RESERVOIR**

[54] **UTILISATION D'ONDES ELECTROMAGNETIQUES POUR REPARER DES DEGATS AUX ALENTOURS D'UN Puits DE FORAGE DANS UN RESERVOIR D'HYDROCARBURES**

[72] LIANG, FENG, US
[72] CHEN, JINHONG, US
[72] SAINI, RAJESH KUMAR, US
[72] LIU, HUI-HAI, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-09-15
[86] 2019-03-08 (PCT/US2019/021329)
[87] (WO2019/182767)
[30] US (15/926,666) 2018-03-20

[21] **3,094,072**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/14 (2006.01) A61K 31/7088 (2006.01) A61K 38/19 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01)**

[25] EN
[54] **IN SITU METHODS OF INDUCING OF IMMUNE RESPONSE**

[54] **PROCEDES IN SITU D'INDUCTION DE REPOSE IMMUNITAIRE**

[72] QUAY, STEVEN C., US
[71] ATOSSA THERAPEUTICS, INC., US
[85] 2020-09-15
[86] 2019-03-11 (PCT/US2019/021653)
[87] (WO2019/177991)
[30] US (62/643,618) 2018-03-15

[21] **3,094,073**
[13] A1

[51] **Int.Cl. C11D 3/39 (2006.01)**

[25] EN
[54] **LIQUID DETERGENT COMPOSITIONS CONTAINING BLEACH CATALYST**

[54] **COMPOSITIONS DE DETERGENT LIQUIDE CONTENANT UN CATALYSEUR DE BLANCHIMENT**

[72] LUNDBERG, STEVEN, US
[72] FAST, JONATHAN P., US
[71] ECOLAB USA INC., US
[85] 2020-09-15
[86] 2019-03-14 (PCT/US2019/022240)
[87] (WO2019/182856)
[30] US (62/644,823) 2018-03-19

[21] **3,094,074**
[13] A1

[51] **Int.Cl. G01N 9/36 (2006.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING A THICKNESS OF A NONAQUEOUS PHASE LIQUID LAYER**

[54] **SYSTEMES ET PROCEDES POUR DETERMINER UNE EPAISSEUR D'UNE COUCHE DE LIQUIDE EN PHASE NON AQUEUSE**

[72] BUCKLEY, DANIEL AVERY, US
[72] KOONS, BRAD WILLIAM, US
[72] GAITO, STEVEN THOMAS, US
[72] GAJJAR, MONAL, US
[71] AECOM, US
[85] 2020-09-15
[86] 2019-03-14 (PCT/US2019/022301)
[87] (WO2019/178376)
[30] US (62/644,334) 2018-03-16

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[21] **3,094,075**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 20/12 (2012.01) G06Q 20/40 (2012.01) G06Q 50/28 (2012.01) G06Q 30/00 (2012.01)**

[25] EN

[54] **CUSTOMIZED ITEM DISPOSITION SYSTEM**

[54] **SYSTEME DE DISPOSITION D'ARTICLE PERSONNALISE**

[72] WICKS, TIM, US
[72] SOKOLSKY, JOHN, US
[72] CHANEY, JOSHUA, US
[72] CAREY, MICHAEL, US
[72] LANE, RUSSELL DYLAN, US
[72] JIVAN, RAJIV, US
[72] PAREDES, ROGER, US
[72] BURNS, CHELSEA, US
[72] PETROVICH, JOHN, US
[72] HEDGES, JENNIFER, US
[71] WALMART APOLLO, LLC, US
[85] 2020-09-15
[86] 2019-03-14 (PCT/US2019/022373)
[87] (WO2019/178425)
[30] US (62/643,607) 2018-03-15

[21] **3,094,076**
[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) C12M 1/34 (2006.01)**

[25] EN

[54] **METHODS FOR IMPROVING CELL VIABILITY IN A PRODUCTION BIOREACTOR**

[54] **PROCEDES D'AMELIORATION DE LA VIABILITE CELLULAIRE DANS UN BIOREACTEUR DE PRODUCTION**

[72] WANG, JONATHAN, US
[72] SHAH, NEHA, US
[72] WALTHER, JASON, US
[72] LU, JIUYI, US
[72] JOHNSON, TIMOTHY, US
[72] REN, YUKUN, US
[72] MCLARTY, JEAN, US
[71] GENZYME CORPORATION, US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022530)
[87] (WO2019/178508)
[30] US (62/644,339) 2018-03-16
[30] US (62/645,755) 2018-03-20

[21] **3,094,077**
[13] A1

[51] **Int.Cl. G16B 30/10 (2019.01) G16B 30/20 (2019.01) G16B 50/30 (2019.01)**

[25] EN

[54] **CHEMICAL METHODS FOR NUCLEIC ACID-BASED DATA STORAGE**

[54] **PROCEDES CHIMIQUES POUR LE STOCKAGE DE DONNEES REPOSANT SUR DES ACIDES NUCLEIQUES**

[72] LEAKE, DEVIN, US
[72] LAZOVA, MILENA, US
[72] FLICKINGER, SARAH, US
[72] ROQUET, NATHANIEL, US
[72] PARK, HYUNJUN, US
[72] BHATIA, SWAPNIL P., US
[71] CATALOG TECHNOLOGIES, INC., US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022596)
[87] (WO2019/178551)
[30] US (62/644,323) 2018-03-16

[21] **3,094,078**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01)**

[25] EN

[54] **USING MACHINE LEARNING AND/OR NEURAL NETWORKS TO VALIDATE STEM CELLS AND THEIR DERIVATIVES FOR USE IN CELL THERAPY, DRUG DISCOVERY, AND DIAGNOSTICS**

[54] **UTILISATION DE RESEAUX NEURONAUX ET/OU D'APPRENTISSAGE MACHINE POUR VALIDER DES CELLULES SOUCHES ET LEURS DERIVES POUR UNE UTILISATION DANS LA THERAPIE CELLULAIRE, LA DECOUVERTE DE MEDICAMENTS ET LE DIAGNOSTIC**

[72] BHARTI, KAPIL, US
[72] HOTALING, NATHAN A., US
[72] SCHAUB, NICHOLAS J., US
[72] SIMON, CARL G., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022611)
[87] (WO2019/178561)
[30] US (62/644,175) 2018-03-16

[21] **3,094,079**
[13] A1

[51] **Int.Cl. A61K 31/675 (2006.01) A61K 31/475 (2006.01) A61K 31/519 (2006.01) A61K 31/573 (2006.01) A61K 31/704 (2006.01) A61K 31/7048 (2006.01) A61K 31/7068 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **METHODS OF TREATING CANCER IN PEDIATRIC PATIENTS**

[54] **METHODES DE TRAITEMENT DU CANCER CHEZ DES PATIENTS PEDIATRIQUES**

[72] BOWEN, SHARON, US
[72] HANLEY, MICHAEL, US
[72] KERSTEIN, DAVID, US
[72] VENKATAKRISHNAN, KARTHIK, US
[71] ARIAD PHARMACEUTICALS, INC., US
[85] 2020-09-14
[86] 2019-03-18 (PCT/US2019/022674)
[87] (WO2019/182936)
[30] US (62/645,089) 2018-03-19

[21] **3,094,080**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) G01N 30/04 (2006.01) G01N 30/72 (2006.01) G01N 30/88 (2006.01)**

[25] EN

[54] **METHODS FOR DETECTING CHROMOGRANIN A BY MASS SPECTROMETRY**

[54] **PROCEDES DE DETECTION DE CHROMOGRANINE A PAR SPECTROMETRIE DE MASSE**

[72] WEBER, DARREN, US
[72] CAULFIELD, MICHAEL P., US
[72] MCPHAUL, MICHAEL J., US
[72] GOLDMAN, SCOTT, US
[72] CLARKE, NIGEL, US
[71] QUEST DIAGNOSTICS INVESTMENTS LLC, US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022613)
[87] (WO2019/178562)
[30] US (62/644,210) 2018-03-16

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[21] **3,094,081**
[13] A1

[51] **Int.Cl. A61M 5/168 (2006.01) A61M 5/14 (2006.01) B01F 3/08 (2006.01)**
[25] EN
[54] **DEVICE, KIT, AND METHOD FOR PRODUCING MEDICALLY-DELIVERABLE INTRAVENOUS SALINE SOLUTION**
[54] **DISPOSITIF, KIT ET PROCEDE DE PRODUCTION D'UNE SOLUTION SALINE INTRAVEINEUSE POUVANT ETRE ADMINISTREE MEDICALEMENT**
[72] SCALISE, MICHAEL B., US
[71] ODSS HOLDINGS, LLC, US
[85] 2020-09-15
[86] 2019-03-18 (PCT/US2019/022682)
[87] (WO2019/178586)
[30] US (62/643,910) 2018-03-16
[30] US (16/151,502) 2018-10-04

[21] **3,094,082**
[13] A1

[51] **Int.Cl. C08F 8/04 (2006.01) C08F 240/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING HYDROGENATED PETROLEUM RESIN**
[54] **PROCEDE DE PRODUCTION DE RESINE DE PETROLE HYDROGENEE**
[72] KAWATE, TAKAHIRO, JP
[72] IJIMA, YOSHIKAZU, JP
[71] MARUZEN PETROCHEMICAL CO., LTD., JP
[85] 2020-09-15
[86] 2019-03-27 (PCT/JP2019/013077)
[87] (WO2019/189295)
[30] JP (2018-061565) 2018-03-28

[21] **3,094,083**
[13] A1

[51] **Int.Cl. G02B 6/42 (2006.01) G02F 1/01 (2006.01) H01L 39/00 (2006.01)**
[25] EN
[54] **REDIRECTED OPTICAL MODULATOR OUTPUT**
[54] **SORTIE DE MODULATEUR OPTIQUE REDIRIGEE**
[72] GOUTZOULIS, ANASTASIOS, US
[72] VENETOS, MARIO J., US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2020-09-14
[86] 2019-03-25 (PCT/US2019/023873)
[87] (WO2019/195015)
[30] US (15/945,929) 2018-04-05

[21] **3,094,084**
[13] A1

[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/10 (2012.01) G06Q 20/20 (2012.01) G06Q 20/34 (2012.01)**
[25] EN
[54] **MULTI-DEVICE POINT-OF-SALE SYSTEM HAVING MULTIPLE CUSTOMER-FACING DEVICES**
[54] **SYSTEME DE POINT DE VENTE A MULTIPLES DISPOSITIFS AYANT DE MULTIPLES DISPOSITIFS EN FACE DU CLIENT**
[72] SANCHEZ-LLORENS, SARA, US
[72] RISTOV, TODOR, US
[72] HURWITZ, ELISE, US
[72] PONCHON, ARNAUD, US
[72] DOYLE, EVAN, US
[72] BLAGDAN, ISREAL, US
[72] LIN, CHRISTINE, US
[72] KHAN, IMRAN, US
[71] SQUARE, INC., US
[85] 2020-09-15
[86] 2019-03-18 (PCT/US2019/022809)
[87] (WO2019/190809)
[30] US (15/942,273) 2018-03-30
[30] US (15/942,307) 2018-03-30
[30] US (15/942,332) 2018-03-30
[30] US (15/942,227) 2018-03-30
[30] US (15/942,239) 2018-03-30
[30] US (15/942,364) 2018-03-30

[21] **3,094,085**
[13] A1

[51] **Int.Cl. A61M 5/14 (2006.01) A61M 39/08 (2006.01)**
[25] EN
[54] **CLAMP FOR RETAINING AN IV TUBE**
[54] **PINCE POUR RETENIR UN TUBE INTRAVEINEUX**
[72] STAFFORD, DREW, US
[71] HMJ MEDICAL LLC, US
[85] 2020-09-15
[86] 2019-03-18 (PCT/US2019/022769)
[87] (WO2019/182980)
[30] US (62/644,524) 2018-03-18

[21] **3,094,086**
[13] A1

[51] **Int.Cl. C07D 493/04 (2006.01) A61K 31/352 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **METHOD FOR SYNTHESIZING 3-PHENYL-2,8-DIHYDROPYRANO [2,3-F] CHROMENE DERIVATIVE**
[54] **PROCEDE DE SYNTHESE D'UN DERIVE DE 3-PHENYL-2,8-DIHYDROPYRANO [2,3-F] CHROMENE**
[72] YOO, SANG KU, KR
[72] CHUNG, JIN WOOK, KR
[72] JO, IN GEUN, KR
[72] KIM, JI YOUNG, KR
[72] IM, JEONG HO, KR
[72] KANG, KU SUK, KR
[72] KIM, JIN YOUNG, KR
[71] GLACEUM INC., KR
[85] 2020-09-15
[86] 2019-04-03 (PCT/KR2019/003958)
[87] (WO2019/194582)
[30] KR (10-2018-0038894) 2018-04-03

[21] **3,094,087**
[13] A1

[51] **Int.Cl. A61B 1/015 (2006.01) A61B 1/00 (2006.01) A61B 1/012 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **DISPOSABLE VALVES FOR AN ENDOSCOPE**
[54] **VALVE JETABLE POUR ENDOSCOPE COMPORTANT FACULTATIVEMENT UN LUBRIFIANT ET/OU UN AGENT ANTIMICROBIEN**
[72] LAGOW, ROBERT, US
[72] SCHREINER, JOHN, US
[72] HEMINK, DAVID C., US
[71] MEDIVATORS INC., US
[85] 2020-09-15
[86] 2019-03-19 (PCT/US2019/022841)
[87] (WO2019/183013)
[30] US (62/645,951) 2018-03-21

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[21] **3,094,088**
[13] A1

[51] **Int.Cl. G01N 27/00 (2006.01) G01N 30/72 (2006.01) G01N 35/00 (2006.01)**

[25] EN

[54] **MASS SPECTROMETRIC DETERMINATION OF TESTOSTERONE IN MULTIPLEXED PATIENT SAMPLES**

[54] **DETERMINATION PAR SPECTROMETRIE DE MASSE DE LA TESTOSTERONE DANS DES ECHANTILLONS DE PATIENTS MULTIPLEXES**

[72] GOLDMAN, MILDRED M., US
[72] GOLDMAN, SCOTT, US
[72] COLETTI, JULIET, US
[72] CLARKE, NIGEL, US
[71] QUEST DIAGNOSTICS INVESTMENTS LLC, US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022618)
[87] (WO2019/178565)
[30] US (62/644,351) 2018-03-16

[21] **3,094,089**
[13] A1

[51] **Int.Cl. B65D 65/46 (2006.01) B65D 1/34 (2006.01) C08L 67/00 (2006.01)**

[25] EN

[54] **PACKAGING UNIT FROM A MOULDED PULP MATERIAL WITH PEELABLE LAMINATED LAYER AND METHOD FOR MANUFACTURING SUCH PACKAGING UNIT**

[54] **UNITE DE CONDITIONNEMENT EN MATERIAU DE CELLULOSE MOULEE PRESENTANT UNE COUCHE STRATIFIEE DECOLLABLE, ET PROCEDE DE FABRICATION D'UNE TELLE UNITE DE CONDITIONNEMENT**

[72] KUIPER, HARALD JOHN, NL
[72] TIMMERMAN, JAN HENDRIK, NL
[71] HUHTAMAKI MOLDED FIBER TECHNOLOGY B.V., NL
[85] 2020-09-15
[86] 2019-03-13 (PCT/NL2019/050161)
[87] (WO2019/190309)
[30] NL (2020688) 2018-03-29
[30] NL (2021327) 2018-07-17

[21] **3,094,090**
[13] A1

[51] **Int.Cl. F23D 14/38 (2006.01) B23K 5/00 (2006.01) F23D 14/46 (2006.01) F23D 14/58 (2006.01) F23Q 2/16 (2006.01) F23Q 3/00 (2006.01)**

[25] EN

[54] **TORCHES, TORCH ASSEMBLIES AND METHODS FOR IGNITING FUEL**

[54] **CHALUMEAUX, ENSEMBLES CHALUMEAU ET PROCEDES D'ALLUMAGE DE COMBUSTIBLE**

[72] BERARD, JOHN MICHAEL, US
[72] KHALIFA, ALY GAMIL, US
[72] PERMAN, KLAS FREDRIK, US
[72] SHANKS, ROBERT, US
[71] BERARD, JOHN MICHAEL, US
[85] 2020-09-15
[86] 2019-03-19 (PCT/US2019/022873)
[87] (WO2019/183031)
[30] US (62/646,227) 2018-03-21
[30] US (16/356,837) 2019-03-18

[21] **3,094,091**
[13] A1

[51] **Int.Cl. A47J 37/12 (2006.01)**

[25] EN

[54] **FLUID TOP-OFF DETECTION AND CONTROL SYSTEM**

[54] **SYSTEME DE DETECTION ET DE COMMANDE DE NIVEAU DE FLUIDE**

[72] FECTEAU, MICHAEL T., US
[72] CYR, STEVEN J., US
[72] SEARL, KARL M., US
[71] PITCO FRIALATOR, INC., US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022389)
[87] (WO2019/178431)
[30] US (62/643,882) 2018-03-16

[21] **3,094,092**
[13] A1

[51] **Int.Cl. A23L 33/135 (2016.01) A23P 10/30 (2016.01) A23B 7/024 (2006.01) A23L 3/44 (2006.01)**

[25] EN

[54] **FREEZE-DRIED PROBIOTIC FOODSTUFFS**

[54] **ALIMENTS PROBIOTIQUES LYOPHILISES**

[72] LIN, JHY-JHU, US
[71] IMAGILIN TECHNOLOGY, LLC, US
[85] 2020-09-15
[86] 2019-03-19 (PCT/US2019/022952)
[87] (WO2019/183081)
[30] US (62/761,335) 2018-03-19
[30] US (16/356,692) 2019-03-18

[21] **3,094,093**
[13] A1

[51] **Int.Cl. H01R 4/48 (2006.01) H01R 13/6583 (2011.01) H01R 9/05 (2006.01) H01R 13/11 (2006.01) H01R 13/15 (2006.01) H01R 13/187 (2006.01) H01R 13/193 (2006.01) H01R 13/622 (2006.01) H01R 13/648 (2006.01) H01R 13/652 (2006.01)**

[25] EN

[54] **COAXIAL CABLE CONNECTORS HAVING PORT GROUNDING**

[54] **CONNECTEURS DE CABLE COAXIAL AYANT UNE MISE A LA MASSE D'ORIFICE**

[72] MARONEY, RICHARD, US
[71] PPC BROADBAND, INC., US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022641)
[87] (WO2019/178578)
[30] US (62/643,192) 2018-03-15
[30] US (62/656,103) 2018-04-11

[21] **3,094,094**
[13] A1

[51] **Int.Cl. C08G 18/76 (2006.01) C09D 7/45 (2018.01) C09D 7/47 (2018.01) C08G 18/22 (2006.01) C08G 18/28 (2006.01) C08G 18/32 (2006.01) C08G 18/80 (2006.01) C08L 75/02 (2006.01) C09D 5/03 (2006.01) C09D 5/04 (2006.01)**

[25] EN

[54] **THIXOTROPIC RHEOLOGY MODIFYING AGENT COMPOSITIONS**

[54] **COMPOSITIONS THIXOTROPIQUES D'AGENTS MODIFIANT LA RHEOLOGIE**

[72] ASIRVATHAM, EDWARD, US
[72] FLORES-VASQUEZ, JAIME A., US
[72] MOUDGIL, KARTTIKAY, US
[71] ADVANSIX RESINS & CHEMICALS LLC, US
[85] 2020-09-14
[86] 2019-03-25 (PCT/US2019/023909)
[87] (WO2019/190997)
[30] US (62/648,630) 2018-03-27

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[21] **3,094,095**
[13] A1

[51] **Int.Cl. H04N 21/454 (2011.01) H04N 21/488 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ALERTING A USER TO PUBLISHED UNDESIRABLE IMAGES DEPICTING THE USER**
[54] **SYSTEMES ET PROCEDES CONCUS POUR ALERTER UN UTILISATEUR A PROPOS D'IMAGES INDESIRABLES PUBLIEES LE REPRESENTANT**
[72] SINGH, GYANVEER, IN
[72] CHUNDI, CHARISHMA, IN
[72] PONNUSWAMY, SRIRAM, IN
[71] ROVI GUIDES, INC., US
[85] 2020-09-15
[86] 2019-03-19 (PCT/US2019/022956)
[87] (WO2019/183084)
[30] US (15/924,928) 2018-03-19

[21] **3,094,096**
[13] A1

[51] **Int.Cl. B65D 71/50 (2006.01)**
[25] EN
[54] **FLEXIBLE CONTAINER CARRIER**
[54] **PORTE-RECIPIENTS SOUPLE**
[72] OLSEN, ROBERT, US
[71] ILLNOIS TOOL WORKS INC., US
[85] 2020-09-15
[86] 2019-05-14 (PCT/US2019/032204)
[87] (WO2019/222205)
[30] US (62/671,055) 2018-05-14

[21] **3,094,097**
[13] A1

[51] **Int.Cl. A47J 37/12 (2006.01)**
[25] EN
[54] **FILTER PAN DETECTION AND FLUID SENSOR SYSTEM**
[54] **DETECTION DE BAC DE FILTRATION ET SYSTEME DE CAPTEUR DE FLUIDE**
[72] FECTEAU, MICHAEL T., US
[72] CYR, STEVEN J., US
[72] SEARL, KARL M., US
[71] PITCO FRIALATOR, INC., US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022394)
[87] (WO2019/178435)
[30] US (62/643,979) 2018-03-16

[21] **3,094,098**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODIES AGAINST SIGNAL-REGULATORY PROTEIN ALPHA AND METHODS OF USE**
[54] **ANTICORPS CONTRE LA PROTEINE REGULATRICE DE SIGNAL ALPHA ET PROCEDES D'UTILISATION**
[72] PONS, JAUME, US
[72] SIM, BANG JANET, US
[72] WAN, HONG, US
[72] JUO, TRACY CHIA-CHIEN, US
[71] ALX ONCOLOGY INC., US
[85] 2020-09-15
[86] 2019-03-20 (PCT/US2019/023238)
[87] (WO2019/183266)
[30] US (62/646,210) 2018-03-21

[21] **3,094,099**
[13] A1

[51] **Int.Cl. G01R 33/10 (2006.01) G01R 33/12 (2006.01)**
[25] EN
[54] **SUPERPARAMAGNETIC PARTICLE IMAGING AND ITS APPLICATIONS IN QUANTITATIVE MULTIPLEX STATIONARY PHASE DIAGNOSTIC ASSAYS**
[54] **IMAGERIE PAR PARTICULES SUPERPARAMAGNETIQUES ET SES APPLICATIONS DANS DES DOSAGES DIAGNOSTIQUES MULTIPLEX QUANTITATIFS EN PHASE STATIONNAIRE**
[72] GE, YU, US
[72] LABORDE, RONALD T., US
[72] WALDA, KEVIN N., US
[71] GE, YU, US
[85] 2020-09-15
[86] 2019-04-10 (PCT/US2019/026831)
[87] (WO2019/199999)
[30] US (62/655,828) 2018-04-11
[30] US (62/664,946) 2018-05-01
[30] US (16/379,748) 2019-04-09

[21] **3,094,100**
[13] A1

[51] **Int.Cl. B21D 26/033 (2011.01) B21D 37/16 (2006.01)**
[25] EN
[54] **MOLDING DEVICE**
[54] **DISPOSITIF DE MOULAGE**
[72] SAIKA MASAYUKI, JP
[72] KAN HIROYUKI, JP
[72] YAMAUCHI KEI, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2020-07-28
[86] 2018-12-13 (PCT/JP2018/045925)
[87] (WO2019/187383)
[30] JP (2018-062663) 2018-03-28

[21] **3,094,101**
[13] A1

[51] **Int.Cl. A23L 29/256 (2016.01) A23K 20/163 (2016.01) A23L 29/212 (2016.01) A23L 29/238 (2016.01) A23L 29/244 (2016.01) A23L 29/269 (2016.01) A61K 8/9706 (2017.01) A23C 9/154 (2006.01) C09J 11/08 (2006.01)**
[25] EN
[54] **SEAWEED-BASED POWDER**
[54] **POUDRE A BASE D'ALGUES**
[72] MAZOYER, JACQUES ANDRE CHRISTIAN, FR
[72] AGODA-TANDJAWA, GUEBA, FR
[72] LEROY, HELENE CHRISTELLE ODETTE, FR
[72] LOAEC, AURELIE, FR
[71] CARGILL, INCORPORATED, US
[85] 2020-09-15
[86] 2019-03-21 (PCT/US2019/023405)
[87] (WO2019/183377)
[30] EP (18163052.6) 2018-03-21

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[21] **3,094,102**
[13] A1

[51] **Int.Cl. A61C 7/14 (2006.01) A61C 7/00 (2006.01)**

[25] EN

[54] **MANUFACTURE OF PATIENT-SPECIFIC ORTHODONTIC BRACKETS WITH IMPROVED BASE AND RETENTIVE FEATURES**

[54] **FABRICATION D'ATTACHES ORTHODONTIQUES SPECIFIQUES AU PATIENT PRESENTANT DES CARACTERISTIQUES DE BASE ET DE RETENTION AMELIOREES**

[72] GRIFFIN III, ALFRED CHARLES, US

[72] PETERSEN, KELSEY, US

[71] LIGHTFORCE ORTHODONTICS, INC., US

[85] 2020-09-15

[86] 2019-04-24 (PCT/US2019/029020)

[87] (WO2019/210015)

[30] US (15/962,261) 2018-04-25

[21] **3,094,103**
[13] A1

[51] **Int.Cl. H04B 1/69 (2011.01) E21B 47/12 (2012.01) F42D 1/05 (2006.01) H04B 13/02 (2006.01)**

[25] EN

[54] **METHOD OF COMMUNICATING THROUGH THE EARTH USING A MAGNETIC FIELD**

[54] **PROCEDE DE COMMUNICATION A TRAVERS LA TERRE A L'AIDE D'UN CHAMP MAGNETIQUE**

[72] LOUW, GERHARD BRINK, ZA

[71] DETNET SOUTH AFRICA (PTY) LTD, ZA

[85] 2020-09-15

[86] 2019-03-26 (PCT/ZA2019/050013)

[87] (WO2019/222772)

[30] ZA (2018/03286) 2018-05-17

[21] **3,094,104**
[13] A1

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/33 (2006.01) A61K 31/395 (2006.01) A61K 31/435 (2006.01) A61K 31/47 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **METHODS OF DETERMINING DOSING OF A THERAPEUTIC AGENT BASED ON MEASURED LEVELS OF A METABOLITE**

[54] **PROCEDES DE DETERMINATION DU DOSAGE D'UN AGENT THERAPEUTIQUE EN SE BASANT SUR LES NIVEAUX MESURES D'UN METABOLITE**

[72] KUMAR, VIKRAM S., US

[72] HESSON, DAVID P., US

[71] CLEAR CREEK BIO, INC., US

[85] 2020-09-15

[86] 2019-03-26 (PCT/US2019/023983)

[87] (WO2019/191030)

[30] US (62/648,320) 2018-03-26

[30] US (62/655,407) 2018-04-10

[30] US (62/682,427) 2018-06-08

[30] US (62/682,411) 2018-06-08

[30] US (62/682,419) 2018-06-08

[21] **3,094,105**
[13] A1

[51] **Int.Cl. C11D 3/43 (2006.01) C11D 7/50 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR CLEANING AND STRIPPING**

[54] **COMPOSITIONS ET PROCEDES DE NETTOYAGE ET DE DECAPAGE**

[72] ASIRVATHAM, EDWARD, US

[72] MOUDGIL, KARTTIKAY, US

[71] ADVANSIX RESINS & CHEMICALS LLC, US

[85] 2020-09-15

[86] 2019-03-27 (PCT/US2019/024302)

[87] (WO2019/191245)

[30] US (62/650,363) 2018-03-30

[21] **3,094,106**
[13] A1

[51] **Int.Cl. B22F 9/14 (2006.01) B22F 9/18 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR THE PRODUCTION OF HIGH PURITY SPHERICAL METALLIC POWDERS FROM A MOLTEN FEEDSTOCK**

[54] **PROCEDE ET APPAREIL POUR LA PRODUCTION DE POUDRES METALLIQUES SPHERIQUES DE HAUTE PURETE A PARTIR D'UNE CHARGE D'ALIMENTATION LIQUIDE**

[72] ALLARD, BERNARD, CA

[72] CARABIN, PIERRE, CA

[72] DORVAL DION, CHRISTOPHER ALEX, CA

[72] PROULX, FRANCOIS, CA

[72] MARDAN, MILAD, CA

[71] PYROGENESIS CANADA INC., CA

[85] 2020-09-16

[86] 2019-03-18 (PCT/CA2019/000034)

[87] (WO2019/178668)

[30] US (62/644,459) 2018-03-17

[21] **3,094,107**
[13] A1

[51] **Int.Cl. A01K 1/01 (2006.01) A01K 29/00 (2006.01)**

[25] EN

[54] **ANIMAL LITTER BOX APPARATUS**

[54] **APPAREIL DE BAC DE LITIERE POUR ANIMAUX**

[72] KISER, MARGARET LIGON, US

[71] KISER, MARGARET LIGON, US

[85] 2020-09-15

[86] 2019-07-13 (PCT/US2019/041745)

[87] (WO2020/014697)

[30] US (16/034,421) 2018-07-13

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[21] **3,094,108**
[13] A1

[51] **Int.Cl. A61K 31/4164 (2006.01) A61K 31/436 (2006.01) A61K 31/517 (2006.01) A61K 31/7088 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMPOUNDS WITH ANTI-TUMOR ACTIVITY AGAINST CANCER CELLS BEARING HER2 EXON 19 MUTATIONS**

[54] **COMPOSES AYANT UNE ACTIVITE ANTITUMORALE CONTRE DES CELLULES CANCEREUSES PORTANT DES MUTATIONS HER2 EXON 19**

[72] ROBICHAUX, JACQULYNE, US

[72] HEYMACH, JOHN V., US

[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEMS, US

[85] 2020-09-15

[86] 2019-03-27 (PCT/US2019/024353)

[87] (WO2019/191279)

[30] US (62/648,629) 2018-03-27

[30] US (62/688,049) 2018-06-21

[21] **3,094,109**
[13] A1

[51] **Int.Cl. H05B 33/08 (2020.01) F21L 13/00 (2006.01) F21S 9/04 (2006.01) H02P 9/00 (2006.01)**

[25] EN

[54] **POWER DELIVERY SYSTEM FOR A LIGHT TOWER**

[54] **SYSTEME DE DISTRIBUTION D'ENERGIE POUR UNE TOUR D'ECLAIRAGE**

[72] HARKNETT, NICHOLAS, US

[72] RANKER, ROBERT, US

[71] CLARK EQUIPMENT COMPANY, US

[85] 2020-09-14

[86] 2019-03-26 (PCT/US2019/024122)

[87] (WO2019/195034)

[21] **3,094,110**
[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01)**

[25] EN

[54] **COMMUNICATION METHOD AND APPARATUS**

[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION**

[72] HAN, FENG, CN

[72] JIN, YINGHAO, CN

[72] TAN, WEI, CN

[72] SUN, WENQI, CN

[71] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2020-09-16

[86] 2018-07-23 (PCT/CN2018/096589)

[87] (WO2019/192104)

[30] CN (201810299596.8) 2018-04-04

[21] **3,094,111**
[13] A1

[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/54 (2006.01) C07K 14/55 (2006.01) C07K 14/735 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **ELIMINATION OF PD-L1-POSITIVE MALIGNANCIES BY PD-L1 CHIMERIC ANTIGEN RECEPTOR-EXPRESSING NK CELLS**

[54] **ELIMINATION DE MALIGNITES POSITIVES POUR PD-L1 PAR DES CELLULES NK EXPRIMANT UN RECEPTEUR D'ANTIGENE CHIMERIQUE PD-L1**

[72] KLINGEMANN, HANS G., US

[72] BOISSEL, LAURENT H., US

[72] DANDAPAT, ABHIJIT, US

[71] NANTKWEST, INC., US

[85] 2020-09-15

[86] 2019-08-01 (PCT/US2019/044637)

[87] (WO2020/091868)

[30] US (62/753,740) 2018-10-31

[21] **3,094,112**
[13] A1

[51] **Int.Cl. C07K 14/55 (2006.01) A61K 38/20 (2006.01) C07K 14/715 (2006.01)**

[25] EN

[54] **INTERLEUKIN-2/INTERLEUKIN-2 RECEPTOR ALPHA FUSION PROTEINS AND METHODS OF USE**

[54] **PROTEINES DE FUSION DE L'INTERLEUKINE-2/DU RECEPTEUR ALPHA DE L'INTERLEUKINE-2 ET PROCEDES D'UTILISATION**

[72] STRUTHERS, MARY, US

[72] DAVIS, JONATHAN HARRY, US

[72] DOYLE, MICHAEL LOUIS, US

[72] MADIA, PRIYANKA APURVA, US

[71] BRISTOL-MYERS SQUIBB COMPANY, US

[85] 2020-09-15

[86] 2019-03-27 (PCT/US2019/024376)

[87] (WO2019/191295)

[30] US (62/649,379) 2018-03-28

[21] **3,094,114**
[13] A1

[51] **Int.Cl. A61J 15/00 (2006.01)**

[25] EN

[54] **DUODENUM BUILT-IN JEJUNUM CANNULA RELEASING SYSTEM AND A USE METHOD THEREFOR**

[54] **SYSTEME DE LIBERATION DE CANULE JEJUNALE INTEGREE AU DUODENUM ET SON PROCEDE D'UTILISATION**

[72] XU, TIANHONG, CN

[72] ZUO, YUXING, CN

[72] CAO, JIE, CN

[72] LU, YAN, CN

[72] YANG, XIAOMIN, CN

[71] HANGZHOU TANGJI MEDICAL TECHNOLOGY CO., LTD, CN

[85] 2020-09-16

[86] 2019-04-30 (PCT/CN2019/085229)

[87] (WO2019/210856)

[30] CN (201810415050.4) 2018-05-03

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[21] **3,094,115**
[13] A1

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 33/36 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING META ARSENITE AND METHOD OF MANUFACTURE**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DU META-ARSENITE ET PROCEDE DE FABRICATION**
[72] YANG, YONG-JIN, KR
[71] KOMIPHARM INTERNATIONAL AUSTRALIA PTY LTD, AU
[71] PANAPHIX INC., US
[85] 2020-09-16
[86] 2019-03-21 (PCT/AU2019/050249)
[87] (WO2019/178643)
[30] AU (2018900954) 2018-03-22

[21] **3,094,116**
[13] A1

[51] **Int.Cl. G01F 23/292 (2006.01)**
[25] EN
[54] **SELF-CALIBRATING OPTICAL DEVICE FOR CONTACTLESS MEASUREMENT OF THE LEVEL OF A LIQUID**
[54] **DISPOSITIF OPTIQUE AUTOCALIBRANT POUR LA MESURE SANS CONTACT DU NIVEAU D'UN LIQUIDE**
[72] CEOLATO, ROMAIN, FR
[72] RIVIERE, NICOLAS, FR
[71] OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES, FR
[71] ARCYS, FR
[85] 2020-05-19
[86] 2018-11-16 (PCT/EP2018/081613)
[87] (WO2019/097013)
[30] FR (1760936) 2017-11-20

[21] **3,094,117**
[13] A1

[51] **Int.Cl. H02J 3/24 (2006.01)**
[25] EN
[54] **HARMONICS MEASUREMENT IN POWER GRIDS**
[54] **MESURES HARMONIQUES DANS LES SECTEURS**
[72] RUNGE, JORN, DE
[71] INNOGY SE, DE
[85] 2020-09-16
[86] 2019-02-19 (PCT/EP2019/054043)
[87] (WO2019/174869)
[30] DE (10 2018 106 200.1) 2018-03-16

[21] **3,094,118**
[13] A1

[51] **Int.Cl. A61K 31/351 (2006.01) A61K 31/7056 (2006.01) C07D 309/12 (2006.01) C07D 405/02 (2006.01) C07H 17/02 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING POST-PRANDIAL HYPOGLYCEMIA**
[54] **PROCEDE DE TRAITEMENT DE L'HYPOGLYCEMIE POSTPRANDIALE**
[72] WILKISON, WILLIAM, US
[72] CHEATHAM, BENTLEY, US
[72] GREEN, JAMES T., US
[71] AVOLYNT, US
[85] 2020-09-15
[86] 2019-03-28 (PCT/US2019/024463)
[87] (WO2019/191352)
[30] US (62/649,352) 2018-03-28

[21] **3,094,120**
[13] A1

[51] **Int.Cl. G01V 1/30 (2006.01)**
[25] EN
[54] **SEISMIC VELOCITY DERIVED HYDROCARBON INDICATION**
[54] **INDICATION D'HYDROCARBURES DERIVEE DE LA VITESSE SISMIQUE**
[72] FU, KANG, US
[72] NI, DIANNE, US
[71] BP CORPORATION NORTH AMERICA INC., US
[85] 2020-09-15
[86] 2019-03-28 (PCT/US2019/024486)
[87] (WO2019/191368)
[30] US (62/650,667) 2018-03-30

[21] **3,094,121**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01) G06N 3/04 (2006.01)**
[25] EN
[54] **SYSTEM FOR IDENTIFYING OBJECTS BY MEANS OF DISTRIBUTED NEURAL NETWORKS**
[54] **SYSTEME DE RECONNAISSANCE D'OBJETS AU MOYEN DE RESEAUX NEURONAUX REPARTIS**
[72] FEIGENBUTZ, MICHAEL, DE
[71] ROCKWELL COLLINS DEUTSCHLAND GMBH, DE
[85] 2020-09-16
[86] 2019-03-14 (PCT/EP2019/056418)
[87] (WO2019/175309)
[30] DE (10 2018 106 222.2) 2018-03-16
[30] DE (10 2018 110 828.1) 2018-05-04

[21] **3,094,122**
[13] A1

[51] **Int.Cl. A61B 17/17 (2006.01) A61B 17/00 (2006.01) A61B 17/16 (2006.01)**
[25] EN
[54] **MINIMALLY INVASIVE DISPLACEMENT OSTEOTOMY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'OSTEOTOMIE AVEC DEPLACEMENT MINIMALEMENT INVASIVE**
[72] ZAKHARY, BENIAMIN, US
[72] LOWERY, GARY W., US
[72] WEST, JERRY W., US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2020-09-15
[86] 2019-03-28 (PCT/US2019/024587)
[87] (WO2019/195077)
[30] US (62/652,564) 2018-04-04

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[21] **3,094,123**
[13] A1

[51] **Int.Cl. C07D 277/22 (2006.01)**
[25] EN
[54] **AGONISTS OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR ALPHA AND METHODS OF USE**

[54] **AGONISTES DU RECEPTEUR ALPHA ACTIVE PAR LE PROLIFERATEUR DE PEROXISOME ET PROCEDES D'UTILISATION**

[72] DUERFELDT, ADAM, US
[72] MA, JIAN-XING, US
[72] DOU, XIAOZHENG, US
[72] NATH, DINESH, IN
[72] SHIN, YOUNG-HWA, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA, US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022400)
[87] (WO2019/178439)
[30] US (62/643,998) 2018-03-16

[21] **3,094,125**
[13] A1

[51] **Int.Cl. G01N 1/30 (2006.01) G01N 35/02 (2006.01) G01N 1/00 (2006.01)**
[25] EN
[54] **SAMPLE PROCESSING SYSTEM AND METHOD FOR AUTOMATICALLY PROCESSING HISTOLOGICAL SAMPLES**

[54] **SYSTEME ET METHODE DE TRAITEMENT D'ECHANTILLON PERMETTANT DE TRAITER AUTOMATIQUEMENT DES ECHANTILLONS HISTOLOGIQUES**

[72] SIEVERT, DOMINIK, DE
[72] SIEVERT, MARIA, DE
[71] INVEOX GMBH, DE
[85] 2020-09-16
[86] 2019-03-15 (PCT/EP2019/056524)
[87] (WO2019/175371)
[30] EP (18162231.7) 2018-03-16

[21] **3,094,126**
[13] A1

[51] **Int.Cl. A61K 36/24 (2006.01) A61K 8/9783 (2017.01) A61K 8/9789 (2017.01) A61K 8/37 (2006.01) A61K 8/86 (2006.01) A61K 8/891 (2006.01) A61K 8/92 (2006.01) A61K 31/7048 (2006.01) A61K 47/06 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) A61K 47/36 (2006.01) A61P 35/00 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01) C07H 1/08 (2006.01) C11B 1/10 (2006.01)**

[25] EN
[54] **PLANT-BASED NERIUM OLEANDER EXTRACTS AND METHODS**

[54] **EXTRAITS DE NERIUM OLEANDER A BASE DE PLANTES ET PROCEDES**

[72] KNOCKE, DENNIS RAY, US
[72] NESTER, JOSEPH BENJAMIN, US
[71] NERIUM BIOTECHNOLOGY, INC., US
[85] 2020-09-15
[86] 2019-03-28 (PCT/US2019/024652)
[87] (WO2019/195084)
[30] US (62/651,584) 2018-04-02

[21] **3,094,127**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) C07K 14/47 (2006.01)**

[25] EN
[54] **NOVEL PEPTIDE-BASED COMPOUNDS FOR USE IN THE PREVENTION, TREATMENT AND/OR DETECTION OF CANCER**

[54] **NOUVEAUX COMPOSES A BASE DE PEPTIDES DESTINES A ETRE UTILISES DANS LA PREVENTION, LE TRAITEMENT ET/OU LA DETECTION DU CANCER**

[72] SCHMITT, EDGAR, DE
[72] KUNZ, HORST, DE
[72] STERGIU, NATASCHA, DE
[72] GAIDZIK, NIKOLA, DE
[71] UNIVERSITÄTSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITÄT MAINZ, DE
[85] 2020-09-16
[86] 2019-03-18 (PCT/EP2019/056672)
[87] (WO2019/179923)
[30] EP (18163057.5) 2018-03-21

[21] **3,094,128**
[13] A1

[51] **Int.Cl. G01N 1/28 (2006.01) G01N 1/30 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS TO MANIPULATE BIOLOGICAL SECTIONS**

[54] **PROCEDE ET APPAREIL PERMETTANT DE MANIPULER DES SECTIONS BIOLOGIQUES**

[72] RHODES, CHRISTOPHER, US
[72] DANIEL, CODY, US
[72] SPRINGER, JOEY, US
[72] PARKER, KRISTY, US
[71] STRATEOS, INC., US
[85] 2020-09-15
[86] 2019-03-28 (PCT/US2019/024658)
[87] (WO2019/191479)
[30] US (62/649,107) 2018-03-28
[30] US (16/367,141) 2019-03-27

[21] **3,094,129**
[13] A1

[51] **Int.Cl. C08F 240/00 (2006.01) C08F 210/14 (2006.01) C08F 236/04 (2006.01) C08L 9/00 (2006.01) C08L 19/00 (2006.01) C09J 109/00 (2006.01) C09J 121/00 (2006.01) C09J 141/00 (2006.01) C09J 147/00 (2006.01)**

[25] EN
[54] **POLYMER COMPOSITION AND USE FOR MAKING ADHESIVE AND ARTICLE CONTAINING IT**

[54] **COMPOSITION POLYMER ET SON UTILISATION POUR LA FABRICATION D'ADHESIF ET ARTICLE LE CONTENANT**

[72] RICHARDSON, CHRISTINE-JOY, FR
[72] KRESSMANN, STEPHANE, FR
[72] HENNING, STEVEN, US
[72] NELSON, KEITH, US
[72] MINOUX, DELPHINE, BE
[71] TOTAL RAFFINAGE CHIMIE, FR
[85] 2020-09-16
[86] 2019-03-15 (PCT/EP2019/056558)
[87] (WO2019/175394)
[30] EP (18305300.8) 2018-03-16
[30] EP (19305170.3) 2019-02-11

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[21] **3,094,130**
[13] A1

[51] **Int.Cl. A61B 3/00 (2006.01) A61B 3/113 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR OPHTHALMIC NEURAL SCANNING**
[54] **APPAREIL ET PROCEDE DE SCANNER NEURONAL OPHTALMIQUE**
[72] WINSOR, ROBERT, US
[72] PIXTON, SHANE, US
[72] ESSER, JAMES, US
[71] REBISCAN, INC., US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022479)
[87] (WO2019/178483)
[30] US (62/644,371) 2018-03-16

[21] **3,094,131**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 35/761 (2015.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **MODIFIED ONCOLYTIC ADENOVIRUSES**
[54] **ADENOVIRUS ONCOLYTIQUES MODIFIES**
[72] RANKI, TUULI, FI
[72] PESONEN, SARI, FI
[72] PRIHA, PETRI, FI
[72] YLOSMAKI, ERKKO, FI
[72] CERULLO, VINCENZO, FI
[72] MARTINS, BEATRIZ, FI
[71] VALO THERAPEUTICS OY, FI
[85] 2020-09-16
[86] 2019-03-19 (PCT/EP2019/056768)
[87] (WO2019/179977)
[30] GB (1804473.5) 2018-03-21
[30] GB (1814867.6) 2018-09-13

[21] **3,094,134**
[13] A1

[51] **Int.Cl. E04G 1/36 (2006.01)**
[25] EN
[54] **SYSTEM FOR HOLDING AT LEAST ONE OBJECT TO BE HELD IN A SHAFT-TYPE BUILDING STRUCTURE**
[54] **DISPOSITIF DE MAINTIEN D'AU MOINS UN OBJET A MAINTENIR DANS UNE CONSTRUCTION EN FORME DE CAGE**
[72] SEIDELBERGER, MANFRED, DE
[71] SEIDELBERGER, MANFRED, DE
[85] 2020-09-16
[86] 2019-03-18 (PCT/EP2019/056715)
[87] (WO2019/179948)
[30] DE (10 2018 106 883.2) 2018-03-22

[21] **3,094,135**
[13] A1

[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/592 (2006.01)**
[25] EN
[54] **ALKYL ALKOXYLATED CARBOXYLATE SALTS AS STEAM FOAM ADDITIVES FOR HEAVY OIL RECOVERY**
[54] **SELS CARBOXYLATES D'ALKYLE ALCOXYLES EN TANT QU'ADDITIFS POUR VAPEUR-MOUSSE POUR LA RECUPERATION DE PETROLE Lourd**
[72] NGUYEN, THU, US
[72] ROMMERSKIRCHEN, RENKE, DE
[72] FERNANDEZ, JORGE, US
[71] SASOL PERFORMANCE CHEMICALS GMBH, DE
[85] 2020-09-16
[86] 2019-03-15 (PCT/IB2019/000257)
[87] (WO2019/180503)
[30] US (62/646,456) 2018-03-22

[21] **3,094,136**
[13] A1

[51] **Int.Cl. C12N 9/64 (2006.01) A61K 47/60 (2017.01) A61K 47/62 (2017.01) A61K 31/7088 (2006.01) A61K 38/17 (2006.01) A61K 38/48 (2006.01) A61K 39/395 (2006.01) A61P 29/00 (2006.01) C07K 19/00 (2006.01) C12N 9/50 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR INHIBITING ADAM9 BIOLOGICAL ACTIVITIES**
[54] **METHODES ET COMPOSITIONS POUR L'INHIBITION DES ACTIVITES BIOLOGIQUES D'ADAM 9**
[72] MOSS, MARCIA L., US
[72] PRINCE, CHRIS, US
[72] RASMUSSEN, ROBERT, US
[71] VERRA THERAPEUTICS LLC, US
[85] 2020-07-31
[86] 2019-01-31 (PCT/US2019/016015)
[87] (WO2019/152629)
[30] US (62/624,491) 2018-01-31

[21] **3,094,137**
[13] A1

[51] **Int.Cl. C12N 7/00 (2006.01) A61K 35/761 (2015.01) A61K 39/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **CANCER THERAPY**
[54] **THERAPIE ANTICANCEREUSE**
[72] RANKI, TUULI, FI
[72] PESONEN, SARI, FI
[72] PRIHA, PETRI, FI
[72] YLOSMAKI, ERKKO, FI
[72] CERULLO, VINCENZO, FI
[72] MARTINS, BEATRIZ, FI
[71] VALO THERAPEUTICS OY, FI
[85] 2020-09-16
[86] 2019-03-19 (PCT/EP2019/056770)
[87] (WO2019/179979)
[30] GB (1804468.5) 2018-03-21
[30] GB (1814866.8) 2018-09-13

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[21] **3,094,139**
[13] A1

[51] **Int.Cl. A61K 35/744 (2015.01) A61K 38/16 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 14/315 (2006.01)**

[25] EN

[54] **COMPOSITIONS**

[54] **COMPOSITIONS**

[72] MULDER, IMKE ELISABETH, GB

[72] RAFTIS, EMMA, GB

[72] HENNESSY, EMMA ELIZABETH CLARE, GB

[72] LAUTE-CALY, DELPHINE LOUISE CLAUDETTE, GB

[72] COWIE, PHILIP, GB

[71] 4D PHARMA RESEARCH LIMITED, GB

[85] 2020-09-16

[86] 2019-03-19 (PCT/EP2019/056809)

[87] (WO2019/180000)

[30] GB (1804384.4) 2018-03-19

[30] GB (1809953.1) 2018-06-18

[30] EP (18178350.7) 2018-06-18

[30] GB (1811900.8) 2018-07-20

[30] GB (1812378.6) 2018-07-30

[30] GB (1813423.9) 2018-08-17

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[30] GB (1901199.8) 2019-01-29

[30] GB (1901218.6) 2019-01-29

[30] GB (1901993.4) 2019-02-13

[30] GB (1901992.6) 2019-02-13

[21] **3,094,140**
[13] A1

[51] **Int.Cl. A61K 36/185 (2006.01) A61K 9/00 (2006.01) A61K 9/72 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) C07C 39/23 (2006.01) C07C 65/19 (2006.01) C07D 311/74 (2006.01) C07D 311/80 (2006.01)**

[25] EN

[54] **DEFINED DOSE CANNABIS PUCK**

[54] **PALET DE CANNABIS A DOSE DEFINIE**

[72] WAGNER, CHRISTOPHER, CA

[72] HARRISON, NANCY, CA

[72] GARABAGI, FREYDOUN, CA

[71] EMERALD HEALTH THERAPEUTICS CANADA INC., CA

[85] 2020-09-16

[86] 2019-03-18 (PCT/IB2019/000604)

[87] (WO2019/186284)

[30] US (62/645,049) 2018-03-19

[21] **3,094,141**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) A01K 67/027 (2006.01) C07K 14/47 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF DOMINANTLY-INHERITED CATECHOLAMINERGIC POLYMORPHIC VENTRICULAR TACHYCARDIA**

[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE LA TACHYCARDIE VENTRICULAIRE POLYMORPHE CATECHOLAMINERGIQUE HERITEE DE MANIERE DOMINANTE**

[72] PRIORI, SILVIA G., IT

[72] MAZZANTI, ANDREA, IT

[72] DENEGRI, MARCO, IT

[72] NAPOLITANO, CARLO, IT

[71] ISTITUTI CLINICI SCIENTIFICI MAUGERI S.P.A. S.B., IT

[85] 2020-09-16

[86] 2019-04-05 (PCT/IB2019/052817)

[87] (WO2019/193563)

[30] IT (102018000004253) 2018-04-05

[21] **3,094,143**
[13] A1

[51] **Int.Cl. A61K 31/55 (2006.01) A61K 31/5513 (2006.01) C07K 16/28 (2006.01) C12Q 1/68 (2018.01) G01N 33/50 (2006.01)**

[25] EN

[54] **METHOD FOR TREATING ASTHMA OR ALLERGIC DISEASE**

[54] **METHODE DE TRAITEMENT DE L'ASTHME OU D'UNE MALADIE ALLERGIQUE**

[72] CHATILA, TALAL AMINE, US

[72] HARB, HANI, US

[72] XIA, MINGCAN, US

[72] MASSOUD, AMIR, IR

[71] THE CHILDREN'S MEDICAL CENTER CORPORATION, US

[85] 2020-09-15

[86] 2019-03-15 (PCT/US2019/022493)

[87] (WO2019/178488)

[30] US (62/643,476) 2018-03-15

[30] US (62/652,630) 2018-04-04

[30] US (62/659,379) 2018-04-18

[21] **3,094,144**
[13] A1

[51] **Int.Cl. B65H 23/08 (2006.01) B65H 23/18 (2006.01) B65H 23/182 (2006.01) B65H 23/185 (2006.01) G05B 19/18 (2006.01) G05B 19/19 (2006.01)**

[25] EN

[54] **CONTROL FOR PARENT ROLL UNWINDING APPARATUS AND METHODS**

[54] **COMMANDE POUR APPAREIL DE DEROULEMENT DE ROULEAU PARENT ET PROCEDES**

[72] SCHUBRING, CORY L., US

[72] HOULE, SCOTT K., US

[72] GUSSERT, CORY P., US

[71] PAPER CONVERTING MACHINE COMPANY, US

[85] 2020-09-15

[86] 2019-04-02 (PCT/US2019/025329)

[87] (WO2019/195245)

[30] US (62/652,499) 2018-04-04

[21] **3,094,145**
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 38/43 (2006.01) A61K 38/46 (2006.01) A61P 1/18 (2006.01) A61K 9/16 (2006.01)**

[25] FR

[54] **INTESTINAL-RELEASE FORMULATION OF A DIGESTIVE ENZYME, METHOD OF PRODUCTION AND GALENIC PREPARATION**

[54] **FORMULATION DE LIBERATION INTESTINALE D'ENZYME DIGESTIVE, PROCEDE DE PREPARATION ET PREPARATION GALENIQUE**

[72] IOUALALEN, KARIM, FR

[72] RAYNAL, ROSE-ANNE, FR

[71] ENEAPHARM, FR

[85] 2020-09-16

[86] 2019-03-14 (PCT/FR2019/050557)

[87] (WO2019/180351)

[30] FR (18.70330) 2018-03-23

Demandes PCT entrant en phase nationale

[21] **3,094,146**
[13] A1

[51] **Int.Cl. C04B 35/597 (2006.01) C04B 35/58 (2006.01) C04B 35/599 (2006.01)**

[25] EN

[54] **METHOD FOR IMPROVING THE WEAR PERFORMANCE OF CERAMIC-POLYETHYLENE OR CERAMIC-CERAMIC ARTICULATION COUPLES UTILIZED IN ORTHOPAEDIC JOINT PROSTHESES**

[54] **PROCEDE POUR AMELIORER LES PERFORMANCES D'USURE DE COUPLES D'ARTICULATION CERAMIQUE-POLYETHYLENE OU CERAMIQUE-CERAMIQUE UTILISES DANS DES PROTHESES ARTICULAIRES ORTHOPEDIQUES**

[72] MCENTIRE, BRYAN J., US
[72] BOCK, RYAN M., US
[71] SINTX TECHNOLOGIES, INC., US
[85] 2020-09-15
[86] 2019-04-10 (PCT/US2019/026789)
[87] (WO2019/199973)
[30] US (62/655,457) 2018-04-10

[21] **3,094,147**
[13] A1

[51] **Int.Cl. A61K 31/13 (2006.01) A61K 9/08 (2006.01) A61K 31/135 (2006.01) A61K 31/137 (2006.01)**

[25] EN

[54] **EPINEPHRINE SPRAY FORMULATIONS**

[54] **FORMULATIONS POUR LA PULVERISATION D'EPINEPHRINE**

[72] HARTMAN, STEVEN, US
[72] LOBEL, MICHELLE, US
[72] ROBBEN, MATTHEW P., US
[72] DRETCHEN, KENNETH L., US
[72] MESA, MICHAEL, US
[71] BRYN PHARMA, LLC, US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022557)
[87] (WO2019/182908)
[30] US (62/644,834) 2018-03-19
[30] US (62/663,100) 2018-04-26
[30] US (62/712,678) 2018-07-31
[30] US (62/747,048) 2018-10-17
[30] US (62/810,261) 2019-02-25

[21] **3,094,148**
[13] A1

[51] **Int.Cl. B29C 49/02 (2006.01) C03C 27/10 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN METHOD AND APPARATUS FOR INTEGRAL DOUBLE-WALLED CONTAINER STRUCTURES**

[54] **AMELIORATIONS APORTEES A UN PROCEDE ET A UN APPAREIL POUR DES STRUCTURES DE RECIPIENTS A DOUBLE PAROI INTEGRES**

[72] CRAWLEY, ALAN MARK, NZ
[71] CRAWLEY, ALAN MARK, NZ
[85] 2020-09-16
[86] 2019-01-28 (PCT/IB2019/050684)
[87] (WO2019/145924)
[30] NZ (739461) 2018-01-29
[30] NZ (750242) 2019-01-28

[21] **3,094,149**
[13] A1

[51] **Int.Cl. A61G 7/015 (2006.01) A47C 20/04 (2006.01) A47C 21/04 (2006.01) A61G 7/00 (2006.01) A61G 7/002 (2006.01)**

[25] EN

[54] **A MATTRESS WITH AN INTEGRATED MATTRESS ADJUSTMENT APPARATUS**

[54] **MATELAS EQUIPE D'UN APPAREIL DE REGLAGE DE MATELAS INTEGRE**

[72] DAN ON, JOSHUA, IL
[71] COMFORT SYSTEMS (2007) LTD, IL
[85] 2020-09-16
[86] 2019-03-24 (PCT/IL2019/050330)
[87] (WO2019/186534)
[30] IL (258387) 2018-03-27
[30] IL (259037) 2018-04-30

[21] **3,094,150**
[13] A1

[51] **Int.Cl. C22C 21/00 (2006.01) C22C 1/00 (2006.01) C22C 1/02 (2006.01) C25C 1/00 (2006.01) C25C 1/24 (2006.01) C25C 3/00 (2006.01) C25C 3/36 (2006.01)**

[25] EN

[54] **METHOD OF ALUMINUM-SCANDIUM ALLOY PRODUCTION**

[54] **PROCEDE DE PRODUCTION D'ALLIAGE D'ALUMINIUM-SCANDIUM**

[72] POWELL, ADAM CLAYTON, US
[72] EARLAM, MATTHEW R., US
[72] BARRIGA, SALVADOR A., US
[72] SALVUCCI, RICHARD, US
[71] FEA MATERIALS LLC, US
[85] 2020-09-15
[86] 2019-03-15 (PCT/US2019/022575)
[87] (WO2019/178537)
[30] US (62/643,301) 2018-03-15

[21] **3,094,151**
[13] A1

[51] **Int.Cl. A61K 36/71 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **NIGELLA SATIVA OIL COMPOSITION**

[54] **COMPOSITION D'HUILE DE NIGELLA SATIVA**

[72] ALBERT, ROTEM, IL
[72] ALBERT, GIDON, IL
[72] RAPAPORT, DANI, IL
[72] ZEILKHA, MOR, IL
[71] N.S. OILS LTD., IL
[85] 2020-09-16
[86] 2019-03-20 (PCT/IL2019/050316)
[87] (WO2019/180719)
[30] US (62/645,201) 2018-03-20

PCT Applications Entering the National Phase

[21] **3,094,152**
[13] A1

[51] **Int.Cl. C08F 6/10 (2006.01) C08F 6/14 (2006.01)**
[25] EN
[54] **METHOD FOR RECOVERING UNREACTED .ALPHA.,.BETA.-ETHYLENICALLY UNSATURATED NITRILE MONOMER CONTAINED IN LATEX OF CARBOXYL GROUP-CONTAINING NITRILE RUBBER**
[54] **PROCEDE DE RECUPERATION DE MONOMERE DE NITRILE .ALPHA.,.BETA.-ETHYLENIQUEMENT INSTAURE N'AYANT PAS REAGI CONTENU DANS UN LATEX DE CAOUTCHOUC NITRILE CONTENANT UN GROUPE CARBOXYLE**
[72] YOSHIMURA, TSUTOMU, JP
[72] YAMANOE, TOMOHITO, JP
[71] ZEON CORPORATION, JP
[85] 2020-09-16
[86] 2019-03-13 (PCT/JP2019/010371)
[87] (WO2019/181697)
[30] JP (2018-054076) 2018-03-22

[21] **3,094,153**
[13] A1

[51] **Int.Cl. C22B 1/00 (2006.01) B09B 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING ELECTRONIC AND ELECTRICAL DEVICE COMPONENT SCRAP**
[54] **PROCEDE DE TRAITEMENT DE DECHETS DE COMPOSANT DE DISPOSITIF ELECTRONIQUE ET ELECTRIQUE**
[72] AOKI, KATSUSHI, JP
[72] TAKEDA, TSUBASA, JP
[71] JX NIPPON MINING & METALS CORPORATION, JP
[85] 2020-09-16
[86] 2019-03-18 (PCT/JP2019/011292)
[87] (WO2019/177176)
[30] JP (2018-050076) 2018-03-16
[30] JP (2018-065541) 2018-03-29
[30] JP (2018-065562) 2018-03-29

[21] **3,094,154**
[13] A1

[51] **Int.Cl. C07H 15/256 (2006.01) A23L 27/30 (2016.01) A23L 29/00 (2016.01) A23L 2/52 (2006.01) A23L 2/60 (2006.01) C12P 19/56 (2006.01)**
[25] EN
[54] **HIGH-PURITY STEVIOL GLYCOSIDES**
[54] **GLYCOSIDES DE STEVIOL DE HAUTE PURETE**
[72] MARKOSYAN, AVETIK, AM
[72] RAMANDACH, SARAVANAN A/L, MY
[72] AFZAAL BIN HASIM, MOHAMAD, MY
[72] NIZAM BIN NAWI, KHAIRUL, MY
[72] CHOW, SIEW YIN, MY
[71] PURECIRCLE USA INC., US
[85] 2020-09-16
[86] 2018-04-10 (PCT/US2018/026920)
[87] (WO2019/177634)
[30] US (62/644,065) 2018-03-16
[30] US (62/644,407) 2018-03-17

[21] **3,094,156**
[13] A1

[51] **Int.Cl. C22B 1/00 (2006.01) B09B 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING ELECTRONIC AND ELECTRICAL DEVICE COMPONENT SCRAP**
[54] **PROCEDE DE TRAITEMENT DE DECHETS DE COMPOSANTS DE DISPOSITIF ELECTRONIQUES ET ELECTRIQUES**
[72] AOKI, KATSUSHI, JP
[72] TAKEDA, TSUBASA, JP
[71] JX NIPPON MINING & METALS CORPORATION, JP
[85] 2020-09-16
[86] 2019-03-18 (PCT/JP2019/011293)
[87] (WO2019/177177)
[30] JP (2018-050078) 2018-03-16

[21] **3,094,157**
[13] A1

[51] **Int.Cl. C22C 38/00 (2006.01) C21D 8/00 (2006.01) C22C 38/34 (2006.01) C22C 38/60 (2006.01)**
[25] EN
[54] **RAIL AND METHOD FOR MANUFACTURING SAME**
[54] **RAIL, ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] ANDO, KEISUKE, JP
[72] KIMURA, TATSUMI, JP
[72] IGI, SATOSHI, JP
[71] JFE STEEL CORPORATION, JP
[85] 2020-09-16
[86] 2019-03-28 (PCT/JP2019/013866)
[87] (WO2019/189688)
[30] JP (2018-068797) 2018-03-30

[21] **3,094,158**
[13] A1

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

Demandes PCT entrant en phase nationale

[21] **3,094,160**
[13] A1

[51] **Int.Cl. C12N 15/00 (2006.01) C12N 15/10 (2006.01) C12P 19/34 (2006.01) C12N 15/113 (2010.01)**

[25] EN

[54] **METHOD FOR PRODUCING HAIRPIN SINGLE-STRANDED RNA MOLECULE**

[54] **PROCEDE DE PRODUCTION D'UNE MOLECULE D'ARN SIMPLE BRIN EN EPINGLE A CHEVEUX**

[72] INADA, HIDEAKI, JP
[72] ISEKI, KATSUHIKO, JP
[72] OKIMURA, KEIICHI, JP
[72] SANOSAKA, MASATO, JP
[72] TAKASHINA, AYUMI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2020-09-16
[86] 2019-03-29 (PCT/JP2019/013923)
[87] (WO2019/189722)
[30] JP (2018-070423) 2018-03-30

[21] **3,094,161**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR USING GENETICALLY MODIFIED ENZYMES**

[54] **COMPOSITIONS ET PROCEDES D'UTILISATION D'ENZYMES GENETIQUEMENT MODIFIEES**

[72] MENDEZ, MICHAEL, US
[72] NOEL, JOSEPH, US
[72] BURKART, MICHAEL, US
[72] LANOISELEE, JEREMY, US
[72] BOTSCH, KYLE, US
[72] SAUNDERS, MATTHEW, US
[71] RENEW BIOPHARMA, INC., US
[85] 2020-09-16
[86] 2019-03-19 (PCT/US2019/023046)
[87] (WO2019/183152)
[30] US (62/645,081) 2018-03-19

[21] **3,094,162**
[13] A1

[51] **Int.Cl. A61K 31/567 (2006.01) A61K 31/19 (2006.01) A61K 31/593 (2006.01) A61K 33/06 (2006.01) A61P 19/00 (2006.01)**

[25] EN

[54] **A COMPOSITION FOR USE IN THE TREATMENT OF CONDITIONS CAUSED BY CALCIUM DEFICIENCY**

[54] **COMPOSITION DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT D'ETATS PROVOQUES PAR UNE DEFICIENCE EN CALCIUM**

[72] FANDRIKS, LARS, SE
[72] WALLENIIUS, VILLE, SE
[71] EPICYT PHARMA AB, SE
[85] 2020-09-16
[86] 2019-03-19 (PCT/SE2019/050246)
[87] (WO2019/182501)
[30] SE (1850304-5) 2018-03-19

[21] **3,094,163**
[13] A1

[51] **Int.Cl. A61K 47/36 (2006.01) A61K 8/06 (2006.01) A61K 9/107 (2006.01) B01F 17/00 (2006.01) A23L 29/10 (2016.01)**

[25] EN

[54] **POWDER COMPOSITION FOR COSMETIC AND HEALTH USE**

[54] **COMPOSITION PULVERULENTE A USAGE COSMETIQUE ET MEDICAL**

[72] SJOO, MALIN, SE
[72] BEDI SVENSSON, JASMINE, SE
[71] SPEXIMO AB, SE
[85] 2020-09-16
[86] 2019-04-16 (PCT/SE2019/050351)
[87] (WO2019/203717)
[30] SE (1850432-4) 2018-04-16

[21] **3,094,164**
[13] A1

[51] **Int.Cl. C02F 9/00 (2006.01) C02F 1/04 (2006.01) E21B 43/34 (2006.01)**

[25] EN

[54] **DIRTY WATER TREATMENT OPTIMIZATION**

[54] **OPTIMISATION DE TRAITEMENT D'EAUX USEES**

[72] JURANITCH, JAMES, C., US
[71] XDI HOLDINGS, LLC, US
[85] 2020-09-16
[86] 2019-03-18 (PCT/US2019/022704)
[87] (WO2019/178589)
[30] US (62/644,198) 2018-03-16
[30] US (62/693,749) 2018-07-03

[21] **3,094,166**
[13] A1

[51] **Int.Cl. A61M 39/28 (2006.01) A61M 39/22 (2006.01)**

[25] EN

[54] **LINEARLY ACTUATED FLOW CONTROLLER FOR INTRAVENOUS (IV) FLUID ADMINISTRATION**

[54] **DISPOSITIF DE REGULATION D'ECOULEMENT ACTIONNE DE MANIERE LINEAIRE POUR ADMINISTRATION INTRAVEINEUSE (IV) DE LIQUIDE**

[72] PARK, SOON, US
[72] PAK, JANICE, US
[72] UNDERWOOD, WESLEY, US
[72] SHEVGOOR, SIDDARTH K., US
[71] CAREFUSION 303, INC., US
[85] 2020-09-16
[86] 2019-03-20 (PCT/US2019/023115)
[87] (WO2019/183189)
[30] US (62/646,155) 2018-03-21

PCT Applications Entering the National Phase

[21] **3,094,167**
[13] A1

[51] **Int.Cl. C07F 9/6571 (2006.01) A61K 31/683 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS AND METHODS OF PRODUCING CRYSTALLINE FORMS OF A COMPOUND**
[54] **FORMES CRISTALLINES ET PROCEDES DE PRODUCTION DE FORMES CRISTALLINES D'UN COMPOSE**
[72] LIAN, BRIAN, US
[72] MASAMUNE, HIROKO, US
[72] BARKER, GEOFFREY, US
[71] VIKING THERAPEUTICS, INC., US
[85] 2020-09-16
[86] 2019-03-18 (PCT/US2019/022824)
[87] (WO2019/183004)
[30] US (62/646,540) 2018-03-22

[21] **3,094,168**
[13] A1

[51] **Int.Cl. B07B 1/15 (2006.01) A01D 17/06 (2006.01)**
[25] EN
[54] **SORTING DISC AND METHOD OF IMPROVING THE DURABILITY THEREOF**
[54] **DISQUE DE TRI ET PROCEDE D'AMELIORATION DE LA DURABILITE DE CELUI-CI**
[72] BURDZY, MATTHEW, US
[72] PETER, THOMAS H., US
[72] SENNETT, MATTHEW, US
[72] LASKOWITZ, IAN, US
[71] LANXESS SOLUTIONS US INC., US
[85] 2020-09-16
[86] 2019-03-25 (PCT/US2019/023803)
[87] (WO2019/183616)
[30] US (62/646,977) 2018-03-23
[30] US (62/658,061) 2018-04-16

[21] **3,094,169**
[13] A1

[51] **Int.Cl. F16H 57/04 (2010.01) B60K 11/06 (2006.01) F01P 5/06 (2006.01) F16D 13/72 (2006.01)**
[25] EN
[54] **CONTINUOUSLY VARIABLE TRANSMISSION**
[54] **TRANSMISSION A VARIATION CONTINUE**
[72] NELSON, STEPHEN L., US
[72] KUHL, AMERY D., US
[72] BEJAWADA, NARENDER, MN
[72] HERRALA, BRUCE E., US
[72] HICKE, DAVID J., US
[72] PETERMAN, JEFFREY I., US
[72] THOLEN, RYAN A., US
[72] AVERILLO, PAUL R., GB
[72] DEMETRIOU, GIORGIO, GB
[71] POLARIS INDUSTRIES INC., US
[85] 2020-09-16
[86] 2019-03-19 (PCT/US2019/022912)
[87] (WO2019/183051)
[30] US (62/644,717) 2018-03-19

[21] **3,094,171**
[13] A1

[51] **Int.Cl. B01J 23/75 (2006.01) B01J 35/10 (2006.01) B01J 37/00 (2006.01) B01J 37/02 (2006.01) C01G 51/00 (2006.01) C07C 1/04 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **A SUPPORTED COBALT-CONTAINING FISCHER-TROPSCH CATALYST, PROCESS FOR PREPARING THE SAME AND USES THEREOF**
[54] **CATALYSEUR FISCHER-TROPSCH CONTENANT DU COBALT SUPPORTE, SON PROCEDE DE PREPARATION ET SES UTILISATIONS**
[72] PATERSON, ALEXANDER JAMES, GB
[72] ZHANG, ZHAORONG, US
[71] BP P.L.C., GB
[85] 2020-09-16
[86] 2019-03-21 (PCT/EP2019/057061)
[87] (WO2019/180125)
[30] US (62/646,566) 2018-03-22

[21] **3,094,172**
[13] A1

[51] **Int.Cl. C12N 9/02 (2006.01) C12N 9/16 (2006.01) C12N 9/34 (2006.01) C12N 15/81 (2006.01) C12P 7/06 (2006.01)**
[25] EN
[54] **METHODS FOR ETHANOL PRODUCTION USING ENGINEERED YEAST**
[54] **PROCEDES DE PRODUCTION D'ETHANOL A L'AIDE D'UNE LEVURE MODIFIEE**
[72] POYNTER, GREGORY M., US
[72] RUSH, BRIAN J., US
[72] SRIKRISHNAN, SNEHA, US
[72] THOMPSON, DAWN, US
[72] SHOCKLEY, ARTHUR, US
[72] KOHMAN, BRYNNE, US
[72] DUNN, JOSHUA, US
[71] CARGILL, INCORPORATED, US
[85] 2020-09-16
[86] 2019-03-27 (PCT/US2019/024330)
[87] (WO2019/191263)
[30] US (62/648,679) 2018-03-27

[21] **3,094,173**
[13] A1

[51] **Int.Cl. A61K 38/46 (2006.01)**
[25] EN
[54] **INTESTINAL ALKALINE PHOSPHATASE FORMULATIONS**
[54] **FORMULATIONS DE METHYLOXALINE ALKALINE INTESTINALE**
[72] BRISTOL, ANDREW, US
[72] STAPLETON, RAY, US
[72] KALEKO, MICHAEL, US
[72] FURLAN FREGUIA, CHRISTIAN, US
[72] HUBERT, STEVEN, US
[72] FREIRE, CRISTINA, US
[72] GUBBINS, JAMES, US
[71] SYNTHETIC BIOLOGICS, INC., US
[85] 2020-09-16
[86] 2019-03-20 (PCT/US2019/023142)
[87] (WO2019/183208)
[30] US (62/645,421) 2018-03-20

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[21] **3,094,174**
[13] A1

[51] **Int.Cl. A61K 38/46 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **ALKALINE PHOSPHATASE AGENTS FOR TREATMENT OF RADIATION DISORDERS**
[54] **AGENTS AU PHOSPHATASE ALCALINE POUR LE TRAITEMENT DE TROUBLES DUS A UNE EXPOSITION A DES RADIATIONS**
[72] KALEKO, MICHAEL, US
[72] FURLAN FREGUIA, CHRISTIAN, US
[72] CONNELLY, SHEILA, US
[71] SYNTHETIC BIOLOGICS, INC., US
[85] 2020-09-16
[86] 2019-03-20 (PCT/US2019/023143)
[87] (WO2019/183209)
[30] US (62/645,469) 2018-03-20
[30] US (62/714,398) 2018-08-03

[21] **3,094,177**
[13] A1

[51] **Int.Cl. G01R 31/00 (2006.01)**
[25] EN
[54] **DETECTION OF ELECTRIC DISCHARGES THAT PRECEDE FIRES IN ELECTRICAL WIRING**
[54] **DETECTION DE DECHARGES ELECTRIQUES QUI PRECEDENT DES INCENDIES DANS UN CABLAGE ELECTRIQUE**
[72] MARSHALL, ROBERT S., US
[72] SLOOP, CHRISTOPHER DALE, US
[72] HECKMAN, STAN, US
[72] BIXLER, DONNIE, US
[72] HOPPMANN, ERIC, US
[71] WHISKER LABS, INC., US
[85] 2020-09-16
[86] 2019-03-20 (PCT/US2019/023215)
[87] (WO2019/183251)
[30] US (62/645,743) 2018-03-20

[21] **3,094,179**
[13] A1

[51] **Int.Cl. C07K 14/79 (2006.01) A61K 39/395 (2006.01) C07K 16/32 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **BIFUNCTIONAL BLOOD BRAIN THERAPIES**
[54] **THERAPIES BIFONCTIONNELLES HEMATO-ENCEPHALIQUES**
[72] TIAN, MEI MEI, CA
[71] BIOASIS TECHNOLOGIES, INC., CA
[85] 2020-09-16
[86] 2019-03-21 (PCT/US2019/023338)
[87] (WO2019/183333)
[30] US (62/646,845) 2018-03-22

[21] **3,094,180**
[13] A1

[51] **Int.Cl. G08C 17/02 (2006.01)**
[25] EN
[54] **DATA COMMUNICATION SENSING AND MONITORING SYSTEM MOUNTABLE IN SUPPORT STRUCTURE**
[54] **SYSTEME DE DETECTION ET DE SURVEILLANCE DE COMMUNICATION DE DONNEES POUVANT ETRE MONTE DANS UNE STRUCTURE PORTEUSE**
[72] RODRIGUEZ, ERNESTO M., JR., US
[72] TURCH, STEVEN E., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-09-16
[86] 2019-03-15 (PCT/IB2019/052135)
[87] (WO2019/180566)
[30] US (62/646,418) 2018-03-22

[21] **3,094,182**
[13] A1

[51] **Int.Cl. C08F 210/16 (2006.01) B01J 37/00 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **SPRAY-DRIED ZIRCONOCENE CATALYST SYSTEM**
[54] **SYSTEME DE CATALYSEUR DE TYPE ZIRCONOCENE SECHE PAR PULVERISATION**
[72] MARIOTT, WESLEY R., US
[72] KUHLMAN, ROGER L., US
[72] CAO, PHUONG A., US
[72] LESTER, C. DALE, US
[72] HE, CHUAN, US
[72] CHANDAK, SWAPNIL B., US
[72] JAIN, PRADEEP, US
[72] SZUL, JOHN F., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-09-16
[86] 2019-03-22 (PCT/US2019/023498)
[87] (WO2019/190897)
[30] US (62/647867) 2018-03-26

[21] **3,094,183**
[13] A1

[51] **Int.Cl. E21B 7/04 (2006.01) E21B 44/02 (2006.01)**
[25] EN
[54] **MODEL-BASED PARAMETER ESTIMATION FOR DIRECTIONAL DRILLING IN WELLBORE OPERATIONS**
[54] **ESTIMATION DE PARAMETRES BASEE SUR UN MODELE POUR FORAGE DIRECTIONNEL DANS DES OPERATIONS DE Puits DE FORAGE**
[72] QUATTRONE, FRANCESCO, US
[72] HANSEN, CHRISTIAN, US
[72] HOEHN, OLIVER, US
[72] KOENEKE, JOERN, US
[72] MORABITO, BRUNO, US
[72] FINDEISEN, ROLF, US
[71] BAKER HUGHES HOLDINGS LLC, US
[85] 2020-09-16
[86] 2019-03-25 (PCT/US2019/023874)
[87] (WO2019/190982)
[30] US (15/935,659) 2018-03-26

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[21] **3,094,184**
[13] A1

[51] **Int.Cl. A61F 13/00 (2006.01)**
[25] EN
[54] **HYDROGEL BANDAGE**
[54] **BANDAGE D'HYDROGEL**
[72] NELSON, KEVIN M., US
[71] NELSON INNOVATIONS, LLC, US
[85] 2020-09-16
[86] 2019-03-26 (PCT/US2019/024016)
[87] (WO2019/191055)
[30] US (15/936,630) 2018-03-27

[21] **3,094,185**
[13] A1

[51] **Int.Cl. F02D 41/02 (2006.01) F02D 19/06 (2006.01) F02D 29/06 (2006.01) F02D 41/00 (2006.01)**
[25] EN
[54] **ADAPTIVE PROTECTION FOR A MULTI-FUEL GENERATOR SYSTEM**
[54] **PROTECTION ADAPTATIVE POUR SYSTEME DE GENERATEUR POLYCARBURANT**
[72] HARKNETT, NICHOLAS, US
[72] BHATT, CHINMAY, US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2020-09-16
[86] 2019-03-26 (PCT/US2019/024125)
[87] (WO2019/209446)
[30] US (15/965,395) 2018-04-27

[21] **3,094,187**
[13] A1

[51] **Int.Cl. A61K 47/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MEDICAMENTS AND USES IN TREATMENT OF CANCER AND OTHER PATHOLOGICAL CONDITIONS ASSOCIATED WITH AGING**
[54] **TRAITEMENTS MEDICAMENTEUX DU CANCER ET D'AUTRES ETATS PATHOLOGIQUES LIES AU VIEILLISSEMENT**
[72] TAS, SINAN, TR
[71] TAS, SINAN, TR
[85] 2020-09-16
[86] 2017-03-24 (PCT/TR2017/000043)
[87] (WO2018/048367)
[30] US (15/530, 513) 2017-01-23

[21] **3,094,188**
[13] A1

[51] **Int.Cl. B60K 17/34 (2006.01) B60L 58/10 (2019.01) B60L 58/18 (2019.01) B60K 17/356 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR POWER MANAGEMENT AND CONTROL**
[54] **SYSTEMES ET PROCEDES DE GESTION ET DE COMMANDE D'ENERGIE**
[72] SLEPCHENKOV, MIKHAIL, US
[72] NADERI, ROOZBEH, US
[71] TAE TECHNOLOGIES, INC., US
[85] 2020-09-16
[86] 2019-03-22 (PCT/US2019/023695)
[87] (WO2019/183553)
[30] US (62/646,861) 2018-03-22

[21] **3,094,189**
[13] A1

[51] **Int.Cl. A63G 7/00 (2006.01) A61L 2/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SANITIZING AMUSEMENT PARK ARTICLES**
[54] **SYSTEMES ET PROCEDES DE DESINFECTION D'EQUIPEMENT DE PARC D'ATTRACTIONS**
[72] MAJDALI, DAVID, US
[72] UGRIN, JOHN, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2020-09-16
[86] 2018-11-15 (PCT/US2018/061329)
[87] (WO2019/190597)
[30] US (15/937,609) 2018-03-27

[21] **3,094,191**
[13] A1

[51] **Int.Cl. A61B 17/72 (2006.01) A61B 17/68 (2006.01) A61B 17/80 (2006.01) A61B 17/86 (2006.01)**
[25] EN
[54] **BONE FIXATION IMPLANT AND METHOD OF IMPLANTATION**
[54] **IMPLANT DE FIXATION OSSEUSE ET SON PROCEDE D'IMPLANTATION**
[72] MULLER, ERIN, US
[72] THOREN, BRIAN ROBERT, US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2020-09-16
[86] 2019-03-27 (PCT/US2019/024227)
[87] (WO2019/231531)
[30] US (62/678,530) 2018-05-31

[21] **3,094,192**
[13] A1

[51] **Int.Cl. A61B 1/00 (2006.01)**
[25] EN
[54] **A SINGLE-IMPULSE, SEMI-MOBILE AND STOPPERED SUTURING DEVICE USED IN NARROW AND DEEP TISSUE PLANES SURGERY**
[54] **DISPOSITIF DE SUTURE A IMPULSION UNIQUE, SEMI-MOBILE ET A BUTOIR UTILISE DANS LA CHIRURGIE DES PLANS DE TISSUS ETROITS ET PROFONDS**
[72] YENIEL, AHMET OZGUR, TR
[71] EGE UNIVERSITESI, TR
[85] 2020-09-16
[86] 2019-01-22 (PCT/TR2019/050048)
[87] (WO2019/182543)
[30] TR (2018/04159) 2018-03-23

[21] **3,094,195**
[13] A1

[25] EN
[54] **POPCORN RECEPTACLE STRUCTURE AND PROCESS**
[54] **STRUCTURE DE RECEPTACLE POUR POPCORN ET PROCEDE**
[72] MATTEUCCI, ROSE ELIZABETH, US
[72] MATTEUCCI, CARLO, US
[71] MATTEUCCI, ROSE ELIZABETH, US
[71] MATTEUCCI, CARLO, US
[85] 2020-09-16
[86] 2019-02-11 (PCT/US2019/017546)
[87] (WO2019/157468)
[30] US (62/629,002) 2018-02-10

[21] **3,094,196**
[13] A1

[51] **Int.Cl. B65F 1/14 (2006.01) B65B 67/12 (2006.01) B65D 43/26 (2006.01) B65F 1/06 (2006.01) B65F 1/10 (2006.01) B65F 1/16 (2006.01)**
[25] EN
[54] **WASTE CONTAINER WITH BAG HANDLING ASSEMBLY**
[54] **CONTENEUR DE DECHETS COMPRENANT UN ENSEMBLE DE MANIPULATION DE SAC**
[72] STRAVITZ, DAVID M., US
[71] STRAVITZ, DAVID M., US
[85] 2020-09-16
[86] 2019-02-25 (PCT/US2019/019385)
[87] (WO2019/177763)
[30] US (15/923,532) 2018-03-16

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[21] **3,094,198**
[13] A1

[51] **Int.Cl. G06F 21/55 (2013.01)**
[25] EN
[54] **SYSTEM, METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT TO DETECT PAGE IMPERSONATION IN PHISHING ATTACKS**

[54] **SYSTEME, PROCEDE, APPAREIL ET PRODUIT PROGRAMME INFORMATIQUE DE DETECTION D'USURPATION DE PAGE DANS DES ATTAQUES D'HAMECONNAGE**

[72] CELIK, MUCTEBA, US
[71] REVBITS, LLC, US
[85] 2020-09-16
[86] 2019-02-25 (PCT/US2019/019405)
[87] (WO2019/165362)
[30] US (15/904,923) 2018-02-26

[21] **3,094,199**
[13] A1

[51] **Int.Cl. G01B 11/25 (2006.01)**
[25] EN
[54] **PROGRAMMABLE LIGHT CURTAINS**

[54] **RIDEAUX DE LUMIERE PROGRAMMABLES**

[72] NARASIMHAN, SRINIVASA, US
[72] WANG, JIAN, US
[72] SANKARANARAYANAN, ASWIN C., US
[72] BARTELS, JOSEPH, US
[72] WHITTAKER, WILLIAM, US
[71] CARNEGIE MELLON UNIVERSITY, US
[85] 2020-09-16
[86] 2019-03-11 (PCT/US2019/021569)
[87] (WO2019/182784)
[30] US (62/761,479) 2018-03-23

[21] **3,094,200**
[13] A1

[51] **Int.Cl. A47G 27/04 (2006.01) A47G 27/00 (2006.01) A47G 27/02 (2006.01) E04F 15/00 (2006.01)**
[25] EN
[54] **TILES BACKED WITH PATTERNS OF PRESSURE SENSITIVE ADHESIVE**

[54] **CARREAUX RENFORCES AVEC DES MOTIFS D'ADHESIF SENSIBLE A LA PRESSION**

[72] REES, JOHN JOSEPH MATTHEWS, US
[72] DANIELL, ANTHONY, US
[72] TSIARKEZOS, STEPHEN, US
[72] ZAFIROGLU, DIMITRI, US
[71] ENGINEERED FLOORS LLC, US
[85] 2020-09-16
[86] 2019-03-27 (PCT/US2019/024249)
[87] (WO2019/191209)
[30] US (62/648,627) 2018-03-27

[21] **3,094,201**
[13] A1

[51] **Int.Cl. G06F 7/00 (2006.01) G06N 3/12 (2006.01)**
[25] EN
[54] **RANKING AND PRESENTING SEARCH ENGINE RESULTS BASED ON CATEGORY-SPECIFIC RANKING MODELS**

[54] **CLASSEMENT ET PRESENTATION DE RESULTATS DE MOTEUR DE RECHERCHE SUR LA BASE DE MODELES DE CLASSEMENT SPECIFIQUES A UNE CATEGORIE**

[72] ZHAO, RONGKAI, US
[72] MONDAL, RAJDEEP, US
[72] SAMBHU, RAVI, US
[72] KRISHNA, NAVEEN, US
[71] HOME DEPOT INTERNATIONAL, INC., US
[85] 2020-09-16
[86] 2019-03-13 (PCT/US2019/021983)
[87] (WO2019/182828)
[30] US (15/933,817) 2018-03-23

[21] **3,094,202**
[13] A1

[51] **Int.Cl. E04H 15/50 (2006.01) E04F 10/04 (2006.01) E04H 15/16 (2006.01) E04H 15/18 (2006.01) E04H 15/54 (2006.01) E04H 15/58 (2006.01)**
[25] EN
[54] **ADJUSTABLE-CENTRAL-CANOPY ADJUSTABLE-RING-CANOPY ADJUSTABLE-SURROUNDING-AWNING SINGLE-CENTRAL-INNERSURFACE-SQUARE-LOCK POPUP, HAVING POST-CENTERING CLAMPS, TICK-PREVENTING DOWNWARD TEETH, WATER-DISCHARGING GROOVES, CENTRAL-INNERSURFACE-SQUARE-LOCKING WIND-AND-SMOKE-REDIRECTING ADJUSTABLE-CENTRAL-CANOPY SYSTEM, AND MULTI-FUNCTION HOOK-ROPE-STAKE-PULLEY-WHEEL**

[54] **ENSEMBLE DEPLIANT A VERROU SIMPLE DE CARRE DE SURFACE INTERIEURE CENTRALE, A TOILE PERIPHERIQUE REGLABLE, A AUVENT A ANNEAU REGLABLE, A AUVENT CENTRAL REGLABLE, COMPORTANT DES BRIDES DE POST-CENTRAGE, DES DENTS ORIENTEES VERS LE BAS ANTI-TIQUES, DES RAINURES D'EVACUATION D'EAU, UN SYSTEME D'AUVENT CENTRAL REGLABLE DE REDIRECTION DE VENT ET DE FUMEE A VERRO**

[72] VOLIN, DEE, US
[71] VOLIN, DEE, US
[85] 2020-09-16
[86] 2019-03-14 (PCT/US2019/022367)
[87] (WO2019/190768)
[30] US (15/939,299) 2018-03-29

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[21] **3,094,203**
[13] A1

[51] **Int.Cl. A23L 27/30 (2016.01) A23L 2/60 (2006.01) C07H 15/256 (2006.01)**

[25] EN

[54] **HIGH-PURITY STEVIOL GLYCOSIDES**

[54] **GLYCOSIDES DE STEVIOL DE HAUTE PURETE**

[72] MARKOSYAN, AVETIK, AM

[72] CHOW, SIEW YIN, MY

[72] NIZAM BIN NAWI, KHAIRUL, MY

[72] CHKHAN, KRISTINA, RU

[72] AFZAAL BIN HASIM, MOHAMAD, MY

[72] RAMANDACH, SARAVANAN A/L, MY

[71] PURECIRCLE USA INC., US

[85] 2020-09-16

[86] 2019-03-15 (PCT/US2019/022456)

[87] (WO2019/178471)

[30] US (62/644,065) 2018-03-16

[30] US (62/644,407) 2018-03-17

[30] US (PCT/US2018/026920) 2018-04-10

[30] US (62/682,461) 2018-06-08

[30] US (62/771,937) 2018-11-27

[30] US (62/806,646) 2019-02-15

[21] **3,094,204**
[13] A1

[51] **Int.Cl. A61K 31/4985 (2006.01) C07D 471/16 (2006.01)**

[25] EN

[54] **NOVEL METHODS**

[54] **NOUVEAUX PROCEDES**

[72] SNYDER, GRETCHEN, US

[72] DAVIS, ROBERT, US

[72] WENNOGLE, LAWRENCE P., US

[71] INTRA-CELLULAR THERAPIES, INC., US

[85] 2020-09-16

[86] 2019-03-15 (PCT/US2019/022480)

[87] (WO2019/178484)

[30] US (62/644,355) 2018-03-16

[30] US (62/682,582) 2018-06-08

[30] US (62/780,004) 2018-12-14

[21] **3,094,205**
[13] A1

[51] **Int.Cl. C07H 15/256 (2006.01) A23L 27/30 (2016.01) C12N 9/10 (2006.01) C12P 19/56 (2006.01)**

[25] EN

[54] **HIGH-PURITY STEVIOL GLYCOSIDES**

[54] **GLYCOSIDES DE STEVIOL DE HAUTE PURETE**

[72] MARKOSYAN, AVETIK, AM

[72] RAMANDACH, SARAVANAN A/L, MY

[72] AFZAAL BIN HASIM, MOHAMAD, MY

[72] NIZAM BIN NAWI, KHAIRUL, MY

[72] CHOW, SIEW YIN, MY

[72] PURKAYASTHA, SIDDHARTHA, US

[72] PETIT, MARCIA, US

[71] PURECIRCLE USA INC., US

[85] 2020-09-16

[86] 2019-03-15 (PCT/US2019/022581)

[87] (WO2019/178541)

[30] US (62/644,065) 2018-03-16

[30] US (62/644,407) 2018-03-17

[30] US (PCT/US2018/026920) 2018-04-10

[30] US (62/802,111) 2019-02-06

[21] **3,094,206**
[13] A1

[51] **Int.Cl. G01C 21/36 (2006.01)**

[25] EN

[54] **WIRELESS LOCATION ASSISTED ZONE GUIDANCE SYSTEM INCORPORATING SECURE TRANSMISSION OF LOCATION**

[54] **SYSTEME DE GUIDAGE DE ZONE ASSISTE PAR LOCALISATION SANS FIL INTEGRANT UNE TRANSMISSION SECURISEE DE LOCALISATION**

[72] LANDERS, RODNEY P., US

[71] GPSIP, INC., US

[85] 2020-09-16

[86] 2019-03-16 (PCT/US2019/022648)

[87] (WO2019/182919)

[30] US (62/644,406) 2018-03-17

[21] **3,094,207**
[13] A1

[51] **Int.Cl. F16H 55/56 (2006.01) B60W 10/107 (2012.01) F16H 7/02 (2006.01) F16H 7/08 (2006.01) F16H 37/02 (2006.01) F16H 55/00 (2006.01)**

[25] EN

[54] **ELECTRONIC CVT WITH FRICTION CLUTCH**

[54] **CVT ELECTRONIQUE AVEC EMBRAYAGE A FRICTION**

[72] ZURBRUEGG, RONALD, CH

[72] JENNI, HANS-RUDOLF, CH

[72] FREI, MARCEL, CH

[71] POLARIS INDUSTRIES INC., US

[85] 2020-09-16

[86] 2019-03-18 (PCT/US2019/022706)

[87] (WO2019/182951)

[30] US (62/644,749) 2018-03-19

[21] **3,094,208**
[13] A1

[51] **Int.Cl. A47G 9/08 (2006.01)**

[25] EN

[54] **SLEEPING BAG WITH INTEGRATED QUILT**

[54] **SAC DE COUCHAGE A COUETTE INTEGREE**

[72] HILL, AARON, US

[71] BRIGHT PATH ENTERPRISES LLC, US

[85] 2020-09-16

[86] 2019-03-19 (PCT/US2019/022837)

[87] (WO2019/183009)

[30] US (62/645,331) 2018-03-20

[30] US (16/357,000) 2019-03-18

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[21] **3,094,215**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61P 11/00 (2006.01) A61K 39/00 (2006.01)**

[25] EN
[54] **GALECTIN-10 ANTIBODIES**
[54] **ANTICORPS DE GALECTINE-10**
[72] LAMBRECHT, BART, BE
[72] SAVVIDES, SAVVAS, BE
[72] HAMDAD, HAMIDA, BE
[72] VERSTRAETE, KENNETH, BE
[72] PERCIER, JEAN-MICHEL, BE
[72] BLANCHETOT, CHRISTOPHE, BE
[72] SAUNDERS, MICHAEL, BE
[72] DE HAARD, HANS, NL
[72] VAN DER WONING, BAS, BE
[72] PERSSON, EMMA, BE
[71] ARGEX BVBA, BE
[71] VIB VZW, BE
[71] UNIVERSITEIT GENT, BE
[85] 2020-09-16
[86] 2019-04-12 (PCT/EP2019/059570)
[87] (WO2019/197675)
[30] GB (1806099.6) 2018-04-13
[30] GB (1901648.4) 2019-02-06

[21] **3,094,216**
[13] A1

[51] **Int.Cl. A61K 39/245 (2006.01) A61K 39/12 (2006.01) A61K 39/295 (2006.01) A61P 31/22 (2006.01) C12N 7/00 (2006.01)**

[25] EN
[54] **VIRAL PARTICLE - BASED VACCINE**
[54] **VACCIN A BASE DE PARTICULES VIRALES**
[72] PLACHTER, BODO, DE
[72] PENNER, INESSA, DE
[71] VAKZINE PROJEKT MANAGEMENT GMBH, DE
[85] 2020-09-16
[86] 2019-06-07 (PCT/EP2019/064941)
[87] (WO2019/234219)
[30] EP (18176735.1) 2018-06-08

[21] **3,094,218**
[13] A1

[51] **Int.Cl. C12N 9/04 (2006.01) C12N 9/88 (2006.01) C12N 9/90 (2006.01) C12N 15/09 (2006.01) C12N 15/63 (2006.01) C12P 5/00 (2006.01)**

[25] EN
[54] **METHOD FOR INCREASING THE YIELD OF OXIDOSQUALENE, TRITERPENES AND/OR TRITERPENOIDS AND HOST CELL THEREFORE**
[54] **PROCEDE POUR AUGMENTER LE RENDEMENT D'OXYDOSQUALENE, DE TRITERPENES ET/OU DE TRITERPENOIDES ET CELLULE HOTE ASSOCIEE**
[72] SCHULZE GRONOVER, CHRISTIAN, DE
[72] BOJE MULLER, LOWIS GERRIT, DE
[72] VAN DEENEN, NICOLE, DE
[72] BROEKER, JAN NIKLAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[71] WESTFALISCHE WILHELMS-UNIVERSITAT MUNSTER, DE
[85] 2020-09-16
[86] 2019-04-08 (PCT/EP2019/058789)
[87] (WO2019/197327)
[30] EP (18166374.1) 2018-04-09

[21] **3,094,220**
[13] A1

[51] **Int.Cl. C07D 207/16 (2006.01) A61K 31/395 (2006.01) A61K 31/4025 (2006.01) A61K 31/4192 (2006.01) A61K 31/437 (2006.01) A61K 31/4545 (2006.01) A61K 31/496 (2006.01) A61K 31/4995 (2006.01) A61K 31/551 (2006.01) A61P 7/02 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 491/048 (2006.01) C07D 491/08 (2006.01) C07D 513/04 (2006.01)**

[25] EN
[54] **FACTOR XIII INHIBITORS**
[54] **INHIBITEURS DU FACTEUR XIII**
[72] PHILIPPOU, HELEN, GB
[72] FOSTER, RICHARD, GB
[72] FISHWICK, COLIN, GB
[72] REVILL, CHARLOTTE, GB
[72] YULE, IAN, GB
[72] TAYLOR, ROGER, GB
[72] NAYLOR, ALAN, GB
[72] FALLON, PHILIP SPENCER, GB
[72] CROSBY, STUART, GB
[72] HOPKINS, ANNA, GB
[72] GUETZOYAN, LUCIE JULIETTE, GB
[72] MACNAIR, ALISTAIR JAMES, GB
[72] STEWART, MARK RICHARD, GB
[72] WINFIELD, NATALIE LOUISE, GB
[71] UNIVERSITY OF LEEDS, GB
[85] 2020-09-16
[86] 2019-03-28 (PCT/GB2019/050883)
[87] (WO2019/186164)
[30] GB (1805174.8) 2018-03-29

[21] **3,094,222**
[13] A1

[51] **Int.Cl. E21B 33/127 (2006.01)**

[25] EN
[54] **IMPROVED ISOLATION BARRIER**
[54] **BARRIERE D'ISOLATION AMELIOREE**
[72] RADTKE, CAMERON HILL, GB
[72] MCELLIGOTT, WILLIAM LUKE, GB
[72] TURRELL, PHILIP HENRY, GB
[72] COCKRILL, CHRISTOPHER BRIAN KEVIN, GB
[71] MORHPACKERS LIMITED, GB
[85] 2020-09-16
[86] 2019-03-29 (PCT/GB2019/050912)
[87] (WO2019/186187)
[30] GB (1805341.3) 2018-03-30

PCT Applications Entering the National Phase

[21] **3,094,225**
[13] A1

[51] **Int.Cl. B67D 7/32 (2010.01) B67D 7/04 (2010.01) B67D 7/14 (2010.01)**

[25] EN

[54] **FUEL DISPENSER WITH LEAK DETECTION**

[54] **DISTRIBUTEUR DE CARBURANT A DETECTION DE FUITE**

[72] FIEGLEIN, HENRY, US

[72] CEROVSKI, THOMAS, US

[71] WAYNE FUELING SYSTEMS, LLC, US

[85] 2020-09-16

[86] 2019-03-21 (PCT/US2019/023355)

[87] (WO2019/183345)

[30] US (15/933,617) 2018-03-23

[21] **3,094,235**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/52 (2006.01) C07K 16/32 (2006.01)**

[25] EN

[54] **HER2-TARGETING ANTIGEN BINDING MOLECULES COMPRISING 4-1BBL**

[54] **MOLECULES DE LIAISON A L'ANTIGENE CIBLANT HER2 COMPRENANT 4-1BBL**

[72] FERRARA KOLLER, CLAUDIA, CH

[72] JUNTILLA, TEEMU TAPANI, US

[72] KLEIN, CHRISTIAN, CH

[72] UMANA, PABLO, CH

[72] CLAUS, CHRISTINA, CH

[71] F. HOFFMANN-LA ROCHE AG, CH

[85] 2020-09-16

[86] 2019-04-12 (PCT/EP2019/059391)

[87] (WO2019/197600)

[30] EP (18167147.0) 2018-04-13

[21] **3,094,236**
[13] A1

[51] **Int.Cl. C07K 14/475 (2006.01) A61K 38/18 (2006.01) A61P 3/10 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **C-TERMINAL CDNF FRAGMENTS, PHARMACEUTICAL COMPOSITIONS COMPRISING SAME AND USES THEREOF**

[54] **FRAGMENTS CDNF C-TERMINAUX, COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT ET LEURS UTILISATIONS**

[72] SAARMA, MART, FI

[72] AIRAVAARA, MIKKO, FI

[72] VOUTILAINEN, MERJA, FI

[72] YU, LI YING, FI

[72] LINDAHL, MARIA, FI

[71] HELSINGIN YLIOPISTO, FI

[85] 2020-09-16

[86] 2019-03-29 (PCT/FI2019/050258)

[87] (WO2019/185994)

[30] FI (20185304) 2018-03-29

[21] **3,094,237**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 33/30 (2006.01) A61K 38/28 (2006.01) A61K 38/38 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**

[25] EN

[54] **MEDICAL INFUSION PUMP SYSTEM FOR THE DELIVERY OF AN INSULIN COMPOUND**

[54] **SYSTEME DE POMPE A PERFUSION MEDICALE POUR L'ADMINISTRATION D'UN COMPOSE D'INSULINE**

[72] JEZEK, JAN, GB

[72] GERRING, DAVID, GB

[72] HOWELL, SARAH, GB

[72] ZAKRZEWSKI, LEON, GB

[71] ARECOR LIMITED, GB

[85] 2020-09-16

[86] 2019-04-04 (PCT/GB2019/050990)

[87] (WO2019/193353)

[30] GB (1805537.6) 2018-04-04

[30] GB (1807319.7) 2018-05-03

[21] **3,094,238**
[13] A1

[51] **Int.Cl. B65H 3/08 (2006.01) B65G 47/91 (2006.01) B65H 5/10 (2006.01)**

[25] EN

[54] **VACCUUM PLATE, SHEET MATERIAL HANDLING APPARATUS COMPRISING SUCH VACCUUM PLATE, AND METHOD FOR MAKING THE PLATE**

[54] **PLAQUE A VIDE, APPAREIL DE MANIPULATION DE MATERIAU EN FEUILLE COMPRENANT UNE TELLE PLAQUE A VIDE ET PROCEDE DE FABRICATION DE LA PLAQUE**

[72] WADE, COLIN MAXWELL, GB

[71] WADE, COLIN MAXWELL, GB

[85] 2020-09-16

[86] 2019-03-18 (PCT/IB2019/052182)

[87] (WO2019/175854)

[30] GB (1804299.4) 2018-03-16

[21] **3,094,239**
[13] A1

[51] **Int.Cl. A61B 3/10 (2006.01) A61B 3/107 (2006.01)**

[25] EN

[54] **MEASURING A POSTERIOR CORNEAL SURFACE OF AN EYE**

[54] **MESURE DE LA SURFACE CORNEENNE POSTERIEURE D'UN ŒIL**

[72] NEKRASSOV, DANIIL, DE

[72] GRUENDIG, MARTIN, DE

[71] ALCON INC., CH

[85] 2020-09-16

[86] 2019-05-08 (PCT/IB2019/053797)

[87] (WO2019/224640)

[30] US (62/675,429) 2018-05-23

Demandes PCT entrant en phase nationale

[21] **3,094,240**
[13] A1

[51] **Int.Cl. G06F 9/50 (2006.01) G06F 9/44 (2018.01) G06F 17/00 (2019.01) G06N 7/00 (2006.01)**

[25] EN

[54] **ABSTRACTED INTERFACE FOR GAMIFICATION OF MACHINE LEARNING ALGORITHMS**

[54] **INTERFACE RENDUE ABSTRAITE POUR LUDIFICATION D'ALGORITHMES D'APPRENTISSAGE AUTOMATIQUE**

[72] CLARK, COREY, US

[71] BALANCED MEDIA TECHNOLOGY, LLC, US

[85] 2020-09-16

[86] 2019-03-26 (PCT/US2019/024157)

[87] (WO2019/191153)

[30] US (62/648,198) 2018-03-26

[21] **3,094,242**
[13] A1

[51] **Int.Cl. H04B 10/67 (2013.01)**

[25] EN

[54] **BALANCED OPTICAL RECEIVERS AND METHODS FOR DETECTING FREE-SPACE OPTICAL COMMUNICATION SIGNALS**

[54] **RECEPTEURS OPTIQUES EQUILIBRES ET PROCEDES DE DETECTION DE SIGNAUX DE COMMUNICATION OPTIQUE D'ESPACE LIBRE**

[72] KOWALEVICZ, ANDREW, US

[72] DOLGIN, BENJAMIN P., US

[72] GRACEFFO, GARY M., US

[71] RAYTHEON COMPANY, US

[85] 2020-09-16

[86] 2019-03-28 (PCT/US2019/024490)

[87] (WO2019/191372)

[30] US (62/649,232) 2018-03-28

[21] **3,094,245**
[13] A1

[51] **Int.Cl. C25B 15/02 (2006.01) C25B 1/02 (2006.01) C25B 1/04 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR GENERATION OF GASES**

[54] **SYSTEME ET PROCEDE DE GENERATION DE GAZ**

[72] GRADER, GIDEON, IL

[72] SHTER, GENNADY, IL

[72] DOTAN, HEN, IL

[72] ROTHSCHILD, AVNER, IL

[72] LANDMAN, AVIGAIL, IL

[71] TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD., IL

[85] 2020-09-16

[86] 2019-03-20 (PCT/IL2019/050314)

[87] (WO2019/180717)

[30] IL (258252) 2018-03-20

[21] **3,094,241**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/385 (2006.01) G01N 33/68 (2006.01) G01N 33/74 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR IDENTIFYING SUBJECTS WHO MAY BENEFIT FROM TREATMENT WITH THERAPEUTIC AGENTS**

[54] **DOSAGE ELISA EN SANDWICH PERMETTANT D'IDENTIFIER DES SUJETS SUSCEPTIBLES DE BENEFICIER D'UN TRAITEMENT A L'AIDE D'AGENTS THERAPEUTIQUES**

[72] SHUSTER, JEFFREY, US

[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US

[85] 2020-09-16

[86] 2019-03-27 (PCT/US2019/024355)

[87] (WO2019/191280)

[30] US (62/648,718) 2018-03-27

[30] US (62/657,288) 2018-04-13

[21] **3,094,243**
[13] A1

[51] **Int.Cl. G01V 1/30 (2006.01)**

[25] EN

[54] **WAVEFIELD PROPAGATOR FOR TILTED ORTHORHOMBIC MEDIA**

[54] **PROPAGATEUR DE CHAMP D'ONDES DE MILIEUX ORTHORHOMBIQUES INCLINES**

[72] SONG, XIAOLEI, US

[71] BP CORPORATION NORTH AMERICA INC., US

[85] 2020-09-16

[86] 2019-03-28 (PCT/US2019/024510)

[87] (WO2019/191382)

[30] US (62/650,574) 2018-03-30

[21] **3,094,246**
[13] A1

[51] **Int.Cl. A61B 17/16 (2006.01)**

[25] EN

[54] **PENCIL-GRIP WIRE DRIVER OPERATED WITH DISTALLY LOCATED ACTUATOR**

[54] **DISPOSITIF D'ENTRAINEMENT DE FIL DE PREHENSION DE CRAYON ACTIONNE AVEC UN ACTIONNEUR SITUÉ DE MANIERE DISTALE**

[72] SIEH, JOHN, K., US

[72] MCGARVEY, JAMES, US

[71] CONMED CORPORATION, US

[85] 2020-09-16

[86] 2019-04-08 (PCT/US2019/026312)

[87] (WO2019/199666)

[30] US (62/654,618) 2018-04-09

[21] **3,094,244**
[13] A1

[51] **Int.Cl. A61M 15/00 (2006.01) A61M 11/04 (2006.01)**

[25] EN

[54] **INHALER AND METHOD**

[54] **INHALATEUR ET PROCEDE**

[72] MARIANI, NICK, US

[71] MARIANI, NICK, US

[85] 2020-09-16

[86] 2019-03-29 (PCT/US2019/024902)

[87] (WO2019/191628)

[30] US (62/650,464) 2018-03-30

PCT Applications Entering the National Phase

[21] **3,094,247**
[13] A1

[51] **Int.Cl. A01F 12/44 (2006.01) A01D 41/127 (2006.01) B02C 13/00 (2006.01)**

[25] EN

[54] **AN IMPACT MILL AND A RESIDUE PROCESSING SYSTEM INCORPORATING SAME**

[54] **BROYEUR A PERCUSSION ET SYSTEME DE TRAITEMENT DE RESIDU LE COMPRENANT**

[72] BERRY, NICHOLAS KANE, AU

[71] SEED TERMINATOR HOLDINGS PTY LTD, AU

[85] 2020-09-17

[86] 2019-03-22 (PCT/AU2019/050260)

[87] (WO2019/178651)

[30] AU (2018100350) 2018-03-22

[30] AU (2018100351) 2018-03-22

[21] **3,094,249**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **METHODS FOR MEASURING RELATIVE OXIDATION LEVELS OF A PROTEIN**

[54] **METHODES DE MESURE DE TAUX RELATIFS D'OXYDATION D'UNE PROTEINE**

[72] TAN, PEARL LIN, AU

[72] ARTHUR, PETER GRAEME, AU

[72] LIM, ZI XIANG, SG

[71] TWO-TAG HOLDINGS PTY LTD, AU

[85] 2020-09-17

[86] 2019-03-26 (PCT/AU2019/050267)

[87] (WO2019/183671)

[30] AU (2018901026) 2018-03-28

[21] **3,094,251**
[13] A1

[51] **Int.Cl. C03B 27/04 (2006.01) C03B 27/012 (2006.01)**

[25] FR

[54] **THERMALLY HARDENED ISOTROPIC GLASS**

[54] **VERRE DURCI THERMIQUEMENT ISOTROPE**

[72] KAMINSKI, GUILLAUME, AT

[72] DECOURCELLE, ROMAIN, FR

[72] SERRUYS, FRANCIS, BE

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2020-09-17

[86] 2019-03-26 (PCT/FR2019/050684)

[87] (WO2019/186052)

[30] FR (1852640) 2018-03-27

[21] **3,094,248**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/962 (2013.01)**

[25] EN

[54] **EXPANDABLE SHEATH**

[54] **GAINES EXPANSIBLE**

[72] GOLDBERG, ERAN, US

[72] AXELROD, NOA, US

[72] NEUMANN, YAIR, A., US

[72] MANASH, BOAZ, IL

[72] MAIMON, DAVID, US

[72] LEIBA, EYAL, US

[72] SCHNEIDER, RALPH, US

[72] TAYEB, LIRON, IL

[71] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2020-09-16

[86] 2019-04-08 (PCT/US2019/026383)

[87] (WO2019/199692)

[30] US (62/655,059) 2018-04-09

[30] US (62/722,958) 2018-08-26

[21] **3,094,250**
[13] A1

[51] **Int.Cl. F01D 5/34 (2006.01) F01D 11/00 (2006.01) F04D 29/32 (2006.01)**

[25] FR

[54] **BLADED DISK FLEXIBLE IN THE LOWER PART OF THE BLADES**

[54] **DISQUE AUBAGE MONOBLOC SOUPLE EN PARTIE BASSE DES AUBES**

[72] JABLONSKI, LAURENT, FR

[72] COMIN, FRANCOIS JEAN, FR

[72] JOLY, PHILIPPE GERARD EDMOND, FR

[72] PERROLLAZ, JEAN-MARC CLAUDE, FR

[72] LAFITTE, ANTHONY, FR

[72] MERCIER, REMI ROLAND ROBERT, FR

[71] SAFRAN AIRCRAFT ENGINES, FR

[85] 2020-09-17

[86] 2019-03-19 (PCT/FR2019/050616)

[87] (WO2019/180366)

[30] FR (1852337) 2018-03-19

[21] **3,094,252**
[13] A1

[51] **Int.Cl. A61B 17/02 (2006.01) A61G 13/10 (2006.01)**

[25] EN

[54] **TABLE MOUNTED RETRACTOR SYSTEM**

[54] **SYSTEME DE RETRACTEUR MONTE SUR TABLE**

[72] BOHL, MICHAEL, US

[71] DIGNITY HEALTH, US

[85] 2020-09-16

[86] 2019-04-12 (PCT/US2019/027341)

[87] (WO2019/200330)

[30] US (62/656,422) 2018-04-12

[21] **3,094,253**
[13] A1

[51] **Int.Cl. G03F 7/004 (2006.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) G03F 7/20 (2006.01) H01B 5/00 (2006.01) H01B 13/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR 3D PRINTING OF ELECTRICALLY CONDUCTIVE POLYMER STRUCTURES**

[54] **PROCEDE ET SYSTEME D'IMPRESSIION 3D DE STRUCTURES DE POLYMERES ELECTRIQUEMENT CONDUCTRICES**

[72] CULLEN, ANDREW THOMAS, CA

[72] PRICE, AARON DAVID, CA

[71] THE UNIVERSITY OF WESTERN ONTARIO, CA

[85] 2020-09-17

[86] 2018-03-28 (PCT/CA2018/050383)

[87] (WO2018/176145)

[30] US (62/477,625) 2017-03-28

Demandes PCT entrant en phase nationale

[21] **3,094,254**
[13] A1

[51] **Int.Cl. A61K 8/19 (2006.01) A41G 5/02 (2006.01) A61K 8/81 (2006.01) A61Q 1/10 (2006.01)**

[25] EN

[54] **MAGNETIC MASCARA COMPOSITIONS AND RELATED METHODS**

[54] **COMPOSITIONS DE MASCARA MAGNETIQUE ET PROCÉDES ASSOCIÉS**

[72] HUNTER, LAURA A., US

[71] HUNTER, LAURA A., US

[85] 2020-09-16

[86] 2019-08-16 (PCT/US2019/046915)

[87] (WO2020/180346)

[30] US (62/814,866) 2019-03-07

[21] **3,094,255**
[13] A1

[51] **Int.Cl. C04B 28/00 (2006.01) C04B 14/06 (2006.01) C04B 24/28 (2006.01) C08L 63/00 (2006.01) E02D 37/00 (2006.01)**

[25] EN

[54] **EPOXY RESIN COMPOSITION FOR UNDERWATER GROUTING**

[54] **COMPOSITION DE RESINE EPOXYDE POUR INJECTION DE COULIS SOUS-MARINE**

[72] SHAO, YAN, CN

[72] YEK, WEIJIE, CN

[72] WANG, LANWEI, CN

[71] SIKA TECHNOLOGY AG, CH

[85] 2020-09-17

[86] 2018-03-21 (PCT/CN2018/079873)

[87] (WO2019/178775)

[21] **3,094,256**
[13] A1

[51] **Int.Cl. G10K 15/04 (2006.01) F23C 15/00 (2006.01) F23R 7/00 (2006.01) F28G 7/00 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR GENERATING HIGH AMPLITUDE PRESSURE WAVES**

[54] **DISPOSITIF ET PROCÉDE POUR LA GÉNÉRATION D'ONDES DE PRESSION DE HAUTE AMPLITUDE**

[72] MULLER, PAUL, CH

[72] HERZ, HARALD, CH

[71] EXPLO ENGINEERING AG, CH

[71] MARTIN GMBH FÜR UMWELTUND ENERGIETECHNIK, DE

[71] RUEGG, HANS, CH

[71] HITACHI ZOSEN INOVA AG, CH

[85] 2020-09-17

[86] 2019-03-27 (PCT/EP2019/057752)

[87] (WO2019/185736)

[30] EP (18165013.6) 2018-03-29

[21] **3,094,257**
[13] A1

[51] **Int.Cl. F16D 65/00 (2006.01) F16D 65/12 (2006.01) H01R 39/58 (2006.01)**

[25] EN

[54] **INTELLIGENT GRAPHITE DEVICE**

[54] **DISPOSITIF EN GRAPHITE INTELLIGENT**

[72] BJORKLUND, ERIK, SE

[71] AB DYNAMOBORSTFABRIKEN, SE

[85] 2020-09-17

[86] 2019-03-15 (PCT/EP2019/056527)

[87] (WO2019/179886)

[30] SE (1850316-9) 2018-03-21

[21] **3,094,258**
[13] A1

[51] **Int.Cl. H01G 4/224 (2006.01) H01G 2/08 (2006.01) H01G 2/10 (2006.01) H01G 2/12 (2006.01) H01G 4/32 (2006.01) H01G 4/015 (2006.01)**

[25] EN

[54] **CAPACITOR WITH INSULATION COMPOSITION SHOWING THERMO-REVERSIBLE OIL-TO-GEL-TRANSITION**

[54] **CONDENSATEUR AVEC COMPOSITION D'ISOLATION PRESENTANT UNE TRANSITION HUILE-GEL THERMO-REVERSIBLE**

[72] QI, LEJUN, CN

[72] SCHEEL, SASKIA, CH

[72] LOGAKIS, EMMANUEL, CH

[72] BANDALO, FELIX, SE

[72] ZHANG, RICHARD-CHANGYU, CN

[72] SINGH, BISWAJIT, SE

[71] ABB POWER GRIDS SWITZERLAND AG, CH

[85] 2020-09-17

[86] 2019-03-11 (PCT/EP2019/056038)

[87] (WO2019/179811)

[30] CN (201810224573.0) 2018-03-19

[21] **3,094,259**
[13] A1

[51] **Int.Cl. A61K 31/216 (2006.01) A61K 9/00 (2006.01) A61K 31/428 (2006.01) A61K 31/465 (2006.01) A61K 31/485 (2006.01) A61K 31/5513 (2006.01) A61K 38/00 (2006.01) A61P 3/10 (2006.01) A61P 5/24 (2006.01) A61P 9/00 (2006.01) A61P 13/10 (2006.01) A61P 15/08 (2006.01) A61P 25/04 (2006.01) A61P 25/16 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **VAGINAL SYSTEMIC DRUG DELIVERY**

[54] **ADMINISTRATION SYSTEMIQUE VAGINALE DE MEDICAMENT**

[72] DE LAAT, WILHELMUS NICOLAAS GERARDUS MARIA, NL

[71] LIGALLI B.V., NL

[85] 2020-09-17

[86] 2019-04-10 (PCT/EP2019/059126)

[87] (WO2019/201713)

[30] EP (18166624.9) 2018-04-10

PCT Applications Entering the National Phase

[21] **3,094,260**
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01) A61K 9/00 (2006.01) A61B 5/22 (2006.01)**

[25] EN

[54] **VAGINAL MEASUREMENTS USING A VAGINAL RING**

[54] **MESURES VAGINALES A L'AIDE D'UN ANNEAU VAGINAL**

[72] DE LAAT, WILHELMUS NICOLAAS GERARDUS MARIA, NL

[71] LIGALLI B.V., NL

[85] 2020-09-17

[86] 2019-04-10 (PCT/EP2019/059127)

[87] (WO2019/197486)

[30] EP (18166628.0) 2018-04-10

[30] EP (18194033.9) 2018-09-12

[30] EP (18194034.7) 2018-09-12

[21] **3,094,261**
[13] A1

[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/4015 (2006.01) A61K 31/4427 (2006.01) A61K 31/541 (2006.01) A61P 25/00 (2006.01) C07D 405/04 (2006.01) C07D 405/06 (2006.01) C07D 405/12 (2006.01) C07D 417/12 (2006.01)**

[25] EN

[54] **COMPOUNDS FOR TREATING CNS- AND NEURODEGENERATIVE DISEASES**

[54] **COMPOSES POUR LE TRAITEMENT DE MALADIES DU SNC ET DE MALADIES NEURODEGENERATIVES**

[72] QUITTERER, URSULA, CH

[72] ABDALLA, SAID, DE

[71] ETH ZURICH, CH

[85] 2020-09-17

[86] 2019-03-15 (PCT/EP2019/056565)

[87] (WO2019/179890)

[30] EP (18162579.9) 2018-03-19

[21] **3,094,262**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01)**

[25] EN

[54] **ANTIGENIC PEPTIDES FOR PREVENTION AND TREATMENT OF CANCER**

[54] **PEPTIDES ANTIGENIQUES POUR LA PREVENTION ET LE TRAITEMENT DU CANCER**

[72] CHENE, LAURENT, FR

[72] BONNY, CHRISTOPHE, FR

[72] STROZZI, FRANCESCO, FR

[71] ENTEROME S.A., FR

[85] 2020-09-17

[86] 2019-04-11 (PCT/EP2019/059329)

[87] (WO2019/197567)

[30] EP (18305444.4) 2018-04-11

[30] EP (PCT/EP2018/077512) 2018-10-09

[21] **3,094,263**
[13] A1

[51] **Int.Cl. A47J 27/08 (2006.01)**

[25] EN

[54] **CONTROL DEVICE AND METHOD FOR PRESSURE COOKING APPLIANCE, AND PRESSURE COOKING APPLIANCE**

[54] **DISPOSITIF ET PROCEDE DE COMMANDE POUR APPAREIL DE CUISSON SOUS PRESSION, ET APPAREIL DE CUISSON SOUS PRESSION**

[72] GU, QINGSONG, CN

[71] FOSHAN SHUNDE MIDEA ELECTRICAL HEATING APPLIANCES MANUFACTURING CO., LTD., CN

[85] 2020-09-17

[86] 2018-08-09 (PCT/CN2018/099531)

[87] (WO2019/184188)

[30] CN (201810271992.X) 2018-03-29

[21] **3,094,264**
[13] A1

[51] **Int.Cl. G01S 17/02 (2020.01) G01N 21/21 (2006.01) H04N 1/00 (2006.01)**

[25] EN

[54] **MULTISPECTRAL LIDAR TRANSCEIVER**

[54] **EMETTEUR-RECEPTEUR LIDAR MULTISPECTRAL**

[72] BUCHTER, SCOTT, FI

[71] OUTSIGHT, FR

[85] 2020-09-17

[86] 2019-03-19 (PCT/EP2019/056841)

[87] (WO2019/180019)

[30] US (62/644,746) 2018-03-19

[30] US (62/745,370) 2018-10-14

[21] **3,094,265**
[13] A1

[51] **Int.Cl. H01F 3/00 (2006.01) H01F 1/00 (2006.01) H01F 3/02 (2006.01) H01F 3/04 (2006.01) H01F 3/10 (2006.01) H01F 27/245 (2006.01) H01F 27/25 (2006.01) H01F 30/12 (2006.01)**

[25] EN

[54] **MAGNETIC CORE FOR AN ELECTROMAGNETIC INDUCTION DEVICE, AN ELECTROMAGNETIC INDUCTION DEVICE COMPRISING THE SAME, AND A METHOD OF MANUFACTURING A MAGNETIC CORE**

[54] **NOYAU MAGNETIQUE POUR DISPOSITIF D'INDUCTION ELECTROMAGNETIQUE, DISPOSITIF D'INDUCTION ELECTROMAGNETIQUE LE COMPRENANT, ET PROCEDE DE FABRICATION D'UN NOYAU MAGNETIQUE**

[72] MOUSAVI, SEYED ALI, SE

[71] ABB POWER GRIDS SWITZERLAND AG, CH

[85] 2020-09-17

[86] 2019-05-08 (PCT/EP2019/061824)

[87] (WO2019/215233)

[30] EP (18171956.8) 2018-05-11

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[21] **3,094,266**
[13] A1

[51] **Int.Cl. C01B 11/02 (2006.01) B01D 53/14 (2006.01) B01J 19/24 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR PRODUCING AN AQUEOUS SOLUTION CONTAINING CHLORINE DIOXIDE**
[54] **PROCEDE ET DISPOSITIF DE PREPARATION D'UNE SOLUTION AQUEUSE CONTENANT DU DIOXYDE DE CHLORE**
[72] KUKE, FRITZ, DE
[71] KUKE, FRITZ, DE
[85] 2020-09-17
[86] 2019-03-19 (PCT/EP2019/056892)
[87] (WO2019/180049)
[30] DE (10 2018 107 018.7) 2018-03-23

[21] **3,094,267**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/72 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) C07C 65/19 (2006.01) C07D 311/74 (2006.01) C07D 311/80 (2006.01)**
[25] EN
[54] **DEFINED DOSE CANNABIS POD**
[54] **CAPSULE DE CANNABIS A DOSE DEFINIE**
[72] WAGNER, CHRISTOPHER, CA
[72] HARRISON, NANCY, CA
[71] EMERALD HEALTH THERAPEUTICS CANADA INC., CA
[85] 2020-09-17
[86] 2019-03-18 (PCT/IB2019/000278)
[87] (WO2019/180505)
[30] US (62/645,070) 2018-03-19

[21] **3,094,268**
[13] A1

[51] **Int.Cl. H04W 24/02 (2009.01)**
[25] EN
[54] **NEIGHBOR RELATIONSHIP MAINTENANCE METHOD AND APPARATUS, AND NETWORK DEVICE**
[54] **PROCEDE ET APPAREIL D'ENTRETIEN DE RELATION DE VOISINAGE, ET DISPOSITIF DE RESEAU**
[72] WANG, SHUKUN, CN
[72] YANG, NING, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-09-17
[86] 2018-09-18 (PCT/CN2018/106286)
[87] (WO2020/056596)

[21] **3,094,270**
[13] A1

[51] **Int.Cl. A61F 9/009 (2006.01) A61F 2/14 (2006.01) A61F 9/00 (2006.01) A61F 9/007 (2006.01)**
[25] EN
[54] **DEVICE FOR EYE SURGERY**
[54] **DISPOSITIF POUR CHIRURGIE OCULAIRE**
[72] LAMARCA MATEU, JOSE, ES
[71] LAMARCA MATEU, JOSE, ES
[85] 2020-09-17
[86] 2019-04-10 (PCT/ES2019/070251)
[87] (WO2019/197700)
[30] ES (U201830501) 2018-04-10

[21] **3,094,271**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/026 (2006.01) A61B 5/1455 (2006.01) A61M 1/16 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **SENSOR AND APPARATUS FOR DETERMINING AT LEAST ONE PARAMETER OF BLOOD CIRCULATING IN AN EXTRACORPOREAL BLOOD CIRCUIT**
[54] **CAPTEUR ET APPAREIL POUR DETERMINER AU MOINS UN PARAMETRE DE CIRCULATION SANGUINE DANS UN CIRCUIT SANGUIN EXTRACORPOREL**
[72] ROVATTI, PAOLO, IT
[72] RAVAGLI, ENRICO, IT
[72] SEVERI, STEFANO, IT
[71] GAMBRO LUNDIA AB, SE
[85] 2020-09-17
[86] 2019-03-20 (PCT/EP2019/056938)
[87] (WO2019/180068)
[30] EP (18162977.5) 2018-03-20

[21] **3,094,273**
[13] A1

[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/86 (2006.01)**
[25] EN
[54] **BONE PLATE WITH FORM-FITTING VARIABLE-ANGLE LOCKING HOLE**
[54] **PLAQUE OSSEUSE AYANT UN TROU DE VERROUILLAGE A ANGLE VARIABLE A ADAPTATION DE FORME**
[72] BOSSHARD, SIMON M., CH
[72] RUSH, JESSE, US
[72] MCGURK, MICHAEL, US
[72] KEEGAN, CHRISTOPHER, US
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2020-09-17
[86] 2019-03-15 (PCT/IB2019/052132)
[87] (WO2019/180565)
[30] US (15/926,390) 2018-03-20

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[21] **3,094,274**
[13] A1

[51] **Int.Cl. E04F 13/08 (2006.01) E04G 23/02 (2006.01) E04B 1/04 (2006.01) E04B 1/21 (2006.01)**

[25] EN

[54] **BUILDING REINFORCEMENT AND INSULATION**

[54] **RENFORCEMENT ET ISOLATION DE CONSTRUCTION**

[72] EDSCER, WILLIAM GEORGE, GB

[72] JONES, JOHN, GB

[71] EDSCER, WILLIAM GEORGE, GB

[85] 2020-09-17

[86] 2019-03-19 (PCT/GB2019/050766)

[87] (WO2019/180421)

[30] GB (1804422.2) 2018-03-20

[30] GB (1813965.9) 2018-08-28

[21] **3,094,275**
[13] A1

[51] **Int.Cl. G08G 1/005 (2006.01) G08G 1/01 (2006.01) G08G 1/16 (2006.01)**

[25] EN

[54] **EARLY WARNING AND COLLISION AVOIDANCE**

[54] **AVERTISSEMENT PRECOCE, ET EVITEMENT DE COLLISION**

[72] AOUBE, GEORGES, AE

[72] ABUFADEL, AMER, AE

[72] JEANBART, KARL, AE

[72] SHARMA, ANKIT, AE

[72] CHOUDHARY, RISHABH, AE

[71] DERQ INC., VG

[85] 2020-09-17

[86] 2019-03-14 (PCT/IB2019/052064)

[87] (WO2019/180551)

[30] US (62/644,725) 2018-03-19

[30] US (15/994,568) 2018-05-31

[30] US (15/994,826) 2018-05-31

[30] US (15/994,702) 2018-05-31

[30] US (15/994,915) 2018-05-31

[30] US (15/994,850) 2018-05-31

[30] US (16/222,536) 2018-12-17

[21] **3,094,276**
[13] A1

[51] **Int.Cl. B22C 9/02 (2006.01) B33Y 80/00 (2015.01) B22C 9/10 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A CASTING MOULD FOR FILLING WITH MELT AND CASTING MOULD**

[54] **PROCEDE POUR PRODUIRE UN MOULE SERVANT A COULER DES MATIERES EN FUSION AINSI QUE MOULE**

[72] HOMA, JOHANNES, AT

[72] SPITZBART, MANFRED, AT

[72] REICHARTZEDER, DOMINIK, AT

[72] SCHNEIDER, PETER, AT

[72] KAWLATH, BERTRAM, DE

[72] RAAB, ARMIN, DE

[72] REICHENBAECHER, HOLGER, DE

[71] SCHUBERT & SALZER FEINGUSS LOBENSTEIN GMBH, DE

[71] LITHOZ GMBH, AT

[85] 2020-09-17

[86] 2019-03-20 (PCT/EP2019/056987)

[87] (WO2019/180095)

[30] DE (10 2018 106 725.9) 2018-03-21

[30] DE (10 2018 115 087.3) 2018-06-22

[21] **3,094,277**
[13] A1

[51] **Int.Cl. C08B 37/08 (2006.01) A61K 47/36 (2006.01)**

[25] EN

[54] **CONJUGATES OF STANOZOLOL AND HYALURONIC ACID**

[54] **CONJUGUES DE STANOZOLOL ET D'ACIDE HYALURONIQUE**

[72] PREDIERI, PAOLO GIULIO, IT

[71] ACME DRUGS S.R.L., IT

[85] 2020-09-17

[86] 2019-03-13 (PCT/IB2019/052034)

[87] (WO2019/180548)

[30] IT (102018000003841) 2018-03-21

[21] **3,094,279**
[13] A1

[51] **Int.Cl. A01G 17/02 (2006.01)**

[25] FR

[54] **AIR LEAF STRIPPING SYSTEM AND AGRICULTURAL MACHINE EQUIPPED WITH SUCH SYSTEM**

[54] **SYSTEME D'EFFEUILLAGE PNEUMATIQUE ET MACHINE AGRICOLE EQUIPEE D'UN TEL SYSTEME**

[72] COLLARD, YANNICK, FR

[72] COLLARD, CORINNE, FR

[71] ETABLISSEMENTS COLLARD, FR

[85] 2020-01-10

[86] 2017-09-25 (PCT/EP2017/074214)

[87] (WO2019/015787)

[30] FR (17 56 961) 2017-07-21

[21] **3,094,280**
[13] A1

[51] **Int.Cl. C08G 59/32 (2006.01) C08J 5/24 (2006.01)**

[25] EN

[54] **EPOXY RESIN COMPOSITION, PREPREG, FIBER-REINFORCED COMPOSITE MATERIAL, AND PRODUCTION METHODS THEREFOR**

[54] **COMPOSITION DE RESINE EPOXYDE, PRE-IMPREGNE, MATERIAU COMPOSITE RENFORCE PAR DES FIBRES, ET PROCEDES DE PRODUCTION CORRESPONDANTS**

[72] OZAWA, SUGURU, JP

[72] KAWAMOTO, HIRONORI, JP

[72] SUZUKI, TAKAYA, JP

[72] KUWAHARA, HIROAKI, JP

[72] KANEKO, TORU, JP

[71] TEIJIN LIMITED, JP

[85] 2020-09-15

[86] 2019-03-14 (PCT/JP2019/010715)

[87] (WO2019/177131)

[30] JP (2018-050276) 2018-03-16

[30] JP (2018-050277) 2018-03-16

[30] JP (2018-050278) 2018-03-16

[30] JP (2018-140958) 2018-07-27

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[21] **3,094,281**
[13] A1

[51] **Int.Cl. C01B 25/24 (2006.01) B01J 8/02 (2006.01) B01J 19/30 (2006.01) C08G 79/04 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING POLYPHOSPHORIC ACID AND DEVICE FOR SUCH A METHOD**

[54] **PROCEDE DE PRODUCTION D'ACIDE POLYPHOSPHORIQUE ET DISPOSITIF POUR UN TEL PROCEDE**

[72] HEPTIA, BERNARD, BE
[72] SZOCS, CARL, BE
[72] LERUTH, DENIS, BE
[72] GABRIEL, DAMIEN, BE
[71] PRAYON, BE
[85] 2020-09-15
[86] 2019-03-27 (PCT/EP2019/057702)
[87] (WO2019/185698)
[30] BE (2018/5218) 2018-03-30
[30] BE (2018/5917) 2018-12-20

[21] **3,094,286**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**

[25] EN

[54] **GIPR ANTIBODY AND ITS FUSION PROTEIN WITH GLP-1, AND PHARMACEUTICAL COMPOSITION AND APPLICATION THEREOF**

[54] **ANTICORPS GIPR ET PROTEINE DE FUSION GLP-1 DE CE DERNIER, ET COMPOSITION PHARMACEUTIQUE ET SON APPLICATION**

[72] WANG, XIAOFENG, CN
[72] ZHANG, HUA, CN
[72] YAO, CHENJIANG, CN
[72] ZHANG, CHENG, CN
[72] JING, SHUQIAN, CN
[71] GMAX BIOPHARM LLC, CN
[85] 2020-09-17
[86] 2019-03-19 (PCT/CN2019/078671)
[87] (WO2019/179424)
[30] CN (201810231468.X) 2018-03-20

[21] **3,094,288**
[13] A1

[51] **Int.Cl. A01K 5/00 (2006.01) A47F 1/03 (2006.01) B65G 65/46 (2006.01)**

[25] EN

[54] **A DISPENSING HOPPER AND A METHOD FOR DISPENSING A NON-LIQUID MATERIAL WITH FLOWABLE CHARACTERISTICS**

[54] **TREMIE DE DISTRIBUTION ET PROCEDE DE DISTRIBUTION D'UN MATERIAU NON LIQUIDE PRESENTANT DES CARACTERISTIQUES FLUIDES**

[72] CONCANNON, JOHN FRANCIS, IE
[72] CONCANNON, DAMIAN MARTIN, IE
[71] J.F.C. MANUFACTURING CO. LIMITED, IE
[85] 2020-09-17
[86] 2019-03-20 (PCT/IE2019/000003)
[87] (WO2019/180691)
[30] IE (S2018/0060) 2018-03-20

[21] **3,094,282**
[13] A1

[51] **Int.Cl. E04B 1/343 (2006.01) E04B 1/58 (2006.01) E04C 3/04 (2006.01)**

[25] FR

[54] **CONSTRUCTION SYSTEM FOR A MODULE OF A BUILDING**

[54] **SYSTEME DE CONSTRUCTION POUR UN MODULE D'UN BATIMENT**

[72] USTINOV, IGOR, CH
[71] UHCS PROPERTY SA, CH
[85] 2020-09-17
[86] 2019-04-16 (PCT/IB2019/053126)
[87] (WO2019/202498)
[30] CH (00493/18) 2018-04-17

[21] **3,094,287**
[13] A1

[51] **Int.Cl. A24F 47/00 (2020.01)**

[25] EN

[54] **AEROSOL DELIVERY DEVICE WITH INDEXING MOVEMENT**

[54] **DISPOSITIF DE DISTRIBUTION D'AEROSOL POURVU D'UN MOUVEMENT D'INDEXATION**

[72] WORM, STEVE, US
[72] CARR, WILLIAM BRYAN, US
[72] THOMAS, TIMOTHY, US
[72] WILBERDING, KATHRYN LYNN, US
[72] BRAXTON, PAUL, US
[72] SEARS, STEPHEN B., US
[72] SUR, RAJESH, US
[72] CONNER, BILLY, US
[72] SEBASTIAN, ANDRIES, US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2020-09-17
[86] 2019-03-18 (PCT/IB2019/052189)
[87] (WO2019/180593)
[30] US (15/926,579) 2018-03-20

[21] **3,094,289**
[13] A1

[51] **Int.Cl. C21D 8/12 (2006.01) C23C 24/04 (2006.01)**

[25] EN

[54] **A METHOD FOR MANUFACTURING A HIGH SILICON GRAIN-ORIENTED ELECTRICAL STEEL PLATE**

[54] **PROCEDE DE FABRICATION D'UNE TOLE D'ACIER ELECTRIQUE A GRAINS ORIENTES A HAUTE TENEUR EN SILICIUM**

[72] ZHANG, HUABING, CN
[72] CHU, SHUANGJIE, CN
[72] LI, GUOBAO, CN
[72] XIAO, WEN, CN
[72] LIU, BAOJUN, CN
[72] YANG, YONGJIE, CN
[72] SHEN, KANYI, CN
[72] HAN, DAN, CN
[72] HU, ZHINING, CN
[71] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2020-09-17
[86] 2019-03-25 (PCT/CN2019/079442)
[87] (WO2019/184838)
[30] CN (201810272499.X) 2018-03-29

[21] **3,094,284**
[13] A1

[51] **Int.Cl. E21B 47/01 (2012.01) E21B 4/00 (2006.01) E21B 4/18 (2006.01)**

[25] EN

[54] **DOWNHOLE TOOL**

[54] **OUTIL DE FOND DE TROU**

[72] CHURCH, PAUL ANDREW, GB
[72] JOINER, PETER ALAN, GB
[72] ELRICK, ANDREW JOHN, GB
[72] MACLEOD, IAIN MORRISON, GB
[71] KASEUM HOLDINGS LIMITED, GB
[85] 2020-09-17
[86] 2019-03-22 (PCT/GB2019/050832)
[87] (WO2019/180462)
[30] GB (1804719.1) 2018-03-23

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[21] **3,094,291**
[13] A1

[51] **Int.Cl. C01B 32/182 (2017.01)**
[25] EN
[54] **CARBON BASED COMPOSITE MATERIAL**
[54] **MATERIAU COMPOSITE A BASE DE CARBONE**
[72] CARLSSON, ANNA, SE
[71] BRIGHT DAY GRAPHENE AB, SE
[85] 2020-09-17
[86] 2019-03-22 (PCT/EP2019/057281)
[87] (WO2019/180227)
[30] EP (18163695.2) 2018-03-23

[21] **3,094,292**
[13] A1

[51] **Int.Cl. C07D 213/70 (2006.01) A61K 31/4418 (2006.01) A61P 9/12 (2006.01) A61P 13/04 (2006.01) A61P 19/06 (2006.01)**
[25] EN
[54] **NOVEL SALT FORMS OF URAT-1 INHIBITORS**
[54] **NOUVELLES FORMES DE SELS D'INHIBITEURS D'URAT-1**
[72] DAI, XING, CN
[72] JIANG, YUEHENG, CN
[71] INVENTISBIO SHANGHAI LTD., CN
[85] 2020-09-17
[86] 2019-03-26 (PCT/CN2019/079619)
[87] (WO2019/184897)
[30] CN (PCT/CN2018/080889) 2018-03-28

[21] **3,094,293**
[13] A1

[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/86 (2006.01)**
[25] EN
[54] **LOCKING STRUCTURES FOR AFFIXING BONE ANCHORS TO A BONE PLATE, AND RELATED SYSTEMS AND METHODS**
[54] **STRUCTURES DE VERROUILLAGE POUR FIXER DES ANCRAGES OSSEUX A UNE PLAQUE OSSEUSE, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] BOSSHARD, SIMON M., CH
[72] MCGURK, MICHAEL, US
[72] KEEGAN, CHRISTOPHER, US
[72] RUSH, JESSE B., US
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2020-09-17
[86] 2019-03-29 (PCT/IB2019/052579)
[87] (WO2019/186477)
[30] US (15/940,761) 2018-03-29

[21] **3,094,294**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR SCREENING A SUBJECT FOR THE RISK OF CHRONIC KIDNEY DISEASE AND COMPUTER-IMPLEMENTED METHOD**
[54] **PROCEDES DE DEPISTAGE DU RISQUE DE NEPHROPATHIE CHRONIQUE CHEZ UN SUJET ET PROCEDE MIS EN ŒUVRE PAR ORDINATEUR**
[72] BUESSER, ALEXANDER, DE
[72] HUSCHTO, TONY, DE
[72] PETRICH, WOLFGANG, DE
[72] RAVIZZA, STEFAN, DE
[72] SCHNEIDINGER, BERND, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2020-09-17
[86] 2019-03-22 (PCT/EP2019/057297)
[87] (WO2019/180232)
[30] EP (18163573.1) 2018-03-23
[30] EP (19150615.3) 2019-01-07

[21] **3,094,295**
[13] A1

[51] **Int.Cl. A61K 38/07 (2006.01) C07K 5/10 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS FOR INHIBITING INFLAMMATORY CYTOKINES**
[54] **COMPOSITIONS PHARMACEUTIQUES POUR INHIBER DES CYTOKINES INFLAMMATOIRES**
[72] PRIMOR, NAFTALI, IL
[71] S.I.S. SHULOV INNOVATIVE SCIENCE LTD., IL
[85] 2020-09-17
[86] 2019-03-28 (PCT/IL2019/050359)
[87] (WO2019/186561)
[30] US (62/649,940) 2018-03-29

[21] **3,094,296**
[13] A1

[51] **Int.Cl. E04B 2/08 (2006.01) E04B 2/02 (2006.01)**
[25] EN
[54] **WOODEN MODULE**
[54] **BLOC DE BOIS**
[72] GROSSE, WERNER, DE
[71] GROSSE, WERNER, DE
[85] 2020-09-17
[86] 2019-03-15 (PCT/DE2019/100237)
[87] (WO2019/179563)

[21] **3,094,297**
[13] A1

[51] **Int.Cl. A61K 35/744 (2015.01) A23L 33/135 (2016.01) A61K 38/16 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] PANZICA, DOMENICO, GB
[72] HOLT, AMY BETH, GB
[72] AHMED, SUAAD, GB
[72] ETTORE, ANNA, GB
[72] MULDER, IMKE ELISABETH, GB
[72] COWIE, PHILIP, GB
[72] RAFTIS, EMMA, GB
[72] HENNESSY, EMMA ELIZABETH CLARE, GB
[72] LAUTE-CALY, DELPHINE LOUISE CLAUDETTE, GB
[72] COUTURIER-MAILLARD, AURELIE PASCALE PATRICIA, GB
[72] DELDAY, MARGARET INKSTER, GB
[72] ADRIANI, MARSILIO, GB
[72] CHRISTOFI, MARIA, GB
[71] 4D PHARMA RESEARCH LIMITED, GB
[85] 2020-09-16
[86] 2019-03-19 (PCT/EP2019/056894)
[87] (WO2019/180051)
[30] GB (1804384.4) 2018-03-19
[30] GB (1809953.1) 2018-06-18
[30] EP (18178350.7) 2018-06-18
[30] GB (1811900.8) 2018-07-20
[30] GB (1812378.6) 2018-07-30
[30] GB (1813423.9) 2018-08-17
[30] GB (1813444.5) 2018-08-17
[30] GB (1816834.4) 2018-10-16
[30] GB (1817641.2) 2018-10-29
[30] GB (1901199.8) 2019-01-29
[30] GB (1901218.6) 2019-01-29
[30] GB (1901993.4) 2019-02-13
[30] GB (1901992.6) 2019-02-13

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[21] **3,094,300**
[13] A1

[51] **Int.Cl. H04L 12/823 (2013.01) H04W 28/14 (2009.01) H04W 84/18 (2009.01) H04W 88/04 (2009.01)**

[25] EN

[54] **MESSAGE CACHE MANAGEMENT IN A MESH NETWORK**

[54] **GESTION DE MEMOIRE CACHE DE MESSAGES DANS UN RESEAU MAILLE**

[72] ARVIDSON, PONTUS, SE
[72] DI MARCO, PIERGIUSEPPE, IT
[72] SKILLERMARK, PER, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE

[85] 2020-09-17
[86] 2018-03-23 (PCT/EP2018/057541)
[87] (WO2019/179633)

[21] **3,094,301**
[13] A1

[51] **Int.Cl. B22F 3/24 (2006.01) B22F 3/02 (2006.01) B22F 3/10 (2006.01) B22F 3/14 (2006.01) B22F 3/15 (2006.01) F01D 5/28 (2006.01) F01D 25/00 (2006.01) F02C 7/00 (2006.01)**

[25] EN

[54] **BLADE MANUFACTURING METHOD**

[54] **PROCEDE DE FABRICATION D'AUBE**

[72] SHINDO, KENTARO, JP
[72] SUZUKI, KENJI, JP
[72] SOBU, SHINTARO, JP
[72] HANADA, TADAYUKI, JP
[71] MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD., JP

[85] 2020-09-17
[86] 2019-02-20 (PCT/JP2019/006404)
[87] (WO2019/187819)
[30] JP (2018-062544) 2018-03-28

[21] **3,094,302**
[13] A1

[51] **Int.Cl. G06Q 10/02 (2012.01) H04W 4/00 (2018.01) H04W 4/02 (2018.01) H04W 12/08 (2009.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR HANDS-FREE FARE VALIDATION AND GATELESS TRANSIT**

[54] **PROCEDES ET SYSTEMES DE VALIDATION DE PASSE MAINS LIBRES ET TRANSIT SANS PORTE**

[72] BERGDAL, MICAH, US
[72] DONOVAN, EDWARD, US
[72] O'HAIRE, MICHAEL, US
[72] IHM, NICHOLAS, US
[72] SMITH, ROSS, US
[71] BYTEMARK, INC., US

[85] 2020-09-17
[86] 2018-05-08 (PCT/US2018/031552)
[87] (WO2019/182625)
[30] US (15/927,305) 2018-03-21

[21] **3,094,303**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 47/61 (2017.01) A61K 47/64 (2017.01) A61K 47/68 (2017.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61K 48/00 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01)**

[25] EN

[54] **ANTISENSE OLIGONUCLEOTIDE REDUCED IN TOXICITY**

[54] **OLIGONUCLEOTIDE ANTISENS AYANT UNE TOXICITE REDUITE**

[72] MASAKI, YOSHIKI, JP
[72] SEIO, KOHJI, JP
[72] INOUE, ATSUSHI, JP
[72] IRIYAMA, YUSUKE, JP
[72] KANAKI, TATSURO, JP
[72] NAKAJIMA, HIROYUKI, JP
[71] TOKYO INSTITUTE OF TECHNOLOGY, JP

[71] NISSAN CHEMICAL CORPORATION, JP

[85] 2020-09-17
[86] 2019-03-20 (PCT/JP2019/011801)
[87] (WO2019/182037)
[30] JP (2018-052578) 2018-03-20
[30] JP (2018-129296) 2018-07-06

[21] **3,094,304**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 33/30 (2006.01) A61K 38/28 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**

[25] EN

[54] **MEDICAL INFUSION PUMP SYSTEM FOR THE DELIVERY OF AN INSULIN COMPOUND**

[54] **SYSTEME DE POMPE A PERFUSION MEDICALE POUR L'ADMINISTRATION D'UN COMPOSE D'INSULINE**

[72] JEZEK, JAN, GB
[72] GERRING, DAVID, GB
[72] HOWELL, SARAH, GB
[72] ZAKRZEWSKI, LEON, GB
[71] ARECOR LIMITED, GB

[85] 2020-09-17
[86] 2019-04-04 (PCT/GB2019/050985)
[87] (WO2019/193349)
[30] GB (1805535.0) 2018-04-04
[30] GB (1807321.3) 2018-05-03

[21] **3,094,306**
[13] A1

[51] **Int.Cl. D04H 1/58 (2012.01) D04H 1/00 (2006.01) D04H 1/40 (2012.01) D04H 1/46 (2012.01)**

[25] EN

[54] **ACTIVATED POROUS FIBERS AND PRODUCTS INCLUDING SAME**

[54] **FIBRES POREUSES ACTIVEES ET PRODUITS LES COMPRENANT**

[72] CROSS, JONATHAN, GB
[72] KELSALL, ADAM, GB
[72] ZOITOS, BRUCE, US
[72] CANNAN, CHAD, US
[71] UNIFRAX | LLC, US

[85] 2020-09-16
[86] 2019-04-03 (PCT/US2019/025562)
[87] (WO2019/195406)
[30] US (62/652,551) 2018-04-04

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[21] **3,094,307**
[13] A1

[51] **Int.Cl. A61K 31/275 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **METHODS FOR TREATING MELANOMA**

[54] **METHODES DE TRAITEMENT DE MELANOME**

[72] MARCHETTI, CARLO, US

[72] DINARELLO, CHARLES A., US

[71] OLATEC THERAPEUTICS LLC, US

[85] 2020-09-17

[86] 2019-03-18 (PCT/US2019/022770)

[87] (WO2019/182981)

[30] US (62/645,999) 2018-03-21

[21] **3,094,308**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 33/30 (2006.01) A61K 38/28 (2006.01) A61K 38/38 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**

[25] EN

[54] **MEDICAL INFUSION PUMP SYSTEM FOR THE DELIVERY OF AN INSULIN COMPOUND**

[54] **SYSTEME DE POMPE A PERFUSION MEDICALE POUR L'ADMINISTRATION D'UN COMPOSE D'INSULINE**

[72] JEZEK, JAN, GB

[72] GERRING, DAVID, GB

[72] HOWELL, SARAH, GB

[72] ZAKRZEWSKI, LEON, GB

[71] ARECOR LIMITED, GB

[85] 2020-09-17

[86] 2019-04-04 (PCT/GB2019/050988)

[87] (WO2019/193351)

[30] GB (1805536.8) 2018-04-04

[30] GB (1807320.5) 2018-05-03

[21] **3,094,310**
[13] A1

[51] **Int.Cl. B27L 1/12 (2006.01) B27L 1/00 (2006.01) B27L 11/00 (2006.01)**

[25] EN

[54] **BARK REMOVAL APPARATUS FOR CHIPPING MACHINE**

[54] **APPAREIL DE RETRAIT D'ECORCE POUR MACHINE DE DECHIQUETAGE**

[72] ANDERSON, NATHAN, US

[72] BULKELEY, DOUGLAS, US

[71] ASTEC INDUSTRIES, INC., US

[85] 2020-09-17

[86] 2019-03-12 (PCT/US2019/021822)

[87] (WO2019/182809)

[30] US (62/645,523) 2018-03-20

[21] **3,094,311**
[13] A1

[51] **Int.Cl. C07K 14/015 (2006.01) A61K 48/00 (2006.01) C12N 5/10 (2006.01) C12N 15/35 (2006.01) C12N 15/85 (2006.01) C12N 15/864 (2006.01)**

[25] EN

[54] **ANTIBODY-EVADING VIRUS VECTORS**

[54] **VECTEURS DE VIRUS EVITANT LES ANTICORPS**

[72] MCCOY, DANIEL, US

[72] BERRY, GARRETT E., US

[71] STRIDEBIO, INC., US

[85] 2020-09-16

[86] 2019-04-03 (PCT/US2019/025617)

[87] (WO2019/195449)

[30] US (62/652,111) 2018-04-03

[30] US (62/776,814) 2018-12-07

[30] US (62/819,388) 2019-03-15

[21] **3,094,312**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01)**

[25] EN

[54] **ANTI-COMPLEMENT COMPONENT ANTIBODIES AND METHODS OF USE**

[54] **ANTICORPS DIRIGES CONTRE UN COMPOSANT DU COMPLEMENT ET PROCEDES D'UTILISATION**

[72] FUKUZAWA, TAKU, JP

[72] HARAYA, KENTA, JP

[72] HO, WEI SHIONG ADRIAN, SG

[72] TAKAHASHI, NORIYUKI, SG

[72] MURAOKA, MASARU, JP

[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP

[85] 2020-09-17

[86] 2019-04-12 (PCT/JP2019/015919)

[87] (WO2019/198807)

[30] JP (2018-077527) 2018-04-13

[30] JP (2018-188770) 2018-10-04

[21] **3,094,313**
[13] A1

[51] **Int.Cl. A61K 47/64 (2017.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 5/00 (2006.01) C07K 5/06 (2006.01) C07K 5/08 (2006.01) C07K 5/10 (2006.01) C07K 7/06 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **CAMPTOTHECIN PEPTIDE CONJUGATES**

[54] **CONJUGUES PEPTIDIQUES DE CAMPTOTHECINE**

[72] JEFFREY, SCOTT, US

[72] LYSKI, RYAN, US

[72] RYAN, MAUREEN, US

[72] COCHRAN, JULIA, US

[71] SEATTLE GENETICS, INC., US

[85] 2020-09-16

[86] 2019-04-05 (PCT/US2019/025968)

[87] (WO2019/195665)

[30] US (62/653,961) 2018-04-06

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[21] **3,094,314**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 38/18 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) A61P 19/08 (2006.01)**
[25] EN
[54] **INJECTABLE BONE MORPHOGENETIC PROTEIN**
[54] **PROTEINE MORPHOGENETIQUE OSSEUSE INJECTABLE**
[72] LI, PING, US
[71] WARSAW ORTHOPEDIC, INC., US
[85] 2020-09-17
[86] 2019-03-14 (PCT/US2019/022175)
[87] (WO2019/182844)
[30] US (15/927,553) 2018-03-21

[21] **3,094,315**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01)**
[25] EN
[54] **SKIN HEALTH TRACKER**
[54] **DISPOSITIF DE SUIVI DE SANTE DE LA PEAU**
[72] RASOCHOVA, LADA, US
[72] ALIM, ALEXANDER ABDEL, US
[71] DERMALA INC., US
[71] RASOCHOVA, LADA, US
[71] ALIM, ALEXANDER ABDEL, US
[85] 2020-09-17
[86] 2019-03-26 (PCT/US2019/024130)
[87] (WO2019/191131)
[30] US (62/648,307) 2018-03-26

[21] **3,094,316**
[13] A1
[51] **Int.Cl. A61B 50/33 (2016.01) A61B 90/70 (2016.01) A61L 2/07 (2006.01) A61L 2/20 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR REPROCESSING REUSABLE MEDICAL INSTRUMENTS**
[54] **METHODE ET SYSTEME DE RETRAITEMENT D'INSTRUMENTS MEDICAUX REUTILISABLES**
[72] VERHOEVEN, FRANCISCUS MARIA, NL
[72] PESSERS, PAUL HERMAN MARIA, NL
[72] VAN DER LEIJ, THEO ALEX EDUARD, NL
[72] BAKKER-VAN DE KERKHOF, JOLANDE WILHELMINA, NL
[71] LOG10 B.V., NL
[85] 2020-09-17
[86] 2019-03-22 (PCT/NL2019/050179)
[87] (WO2019/182449)
[30] NL (2020655) 2018-03-23
[30] NL (2022713) 2019-03-11

[21] **3,094,317**
[13] A1
[51] **Int.Cl. C01B 25/24 (2006.01) B01J 8/02 (2006.01) B01J 19/30 (2006.01) C08G 79/04 (2006.01)**
[25] EN
[54] **METHOD FOR RECYCLING RESIDUAL SOLUTIONS COMPRISING PHOSPHORUS AND DEVICE FOR SUCH A METHOD**
[54] **PROCEDE DE RECYCLAGE DE SOLUTIONS RESIDUAIRES COMPRENANT DU PHOSPHORE ET DISPOSITIF POUR UN TEL PROCEDE**
[72] HEPTIA, BERNARD, BE
[72] SZOCS, CARL, BE
[72] LERUTH, DENIS, BE
[72] GABRIEL, DAMIEN, BE
[71] PRAYON, BE
[85] 2020-09-16
[86] 2019-03-27 (PCT/EP2019/057706)
[87] (WO2019/185702)
[30] BE (20185218) 2018-03-30
[30] BE (20185916) 2018-12-20

[21] **3,094,318**
[13] A1
[51] **Int.Cl. C07K 16/12 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/36 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **MULTIVALENT ANTIBODY**
[54] **ANTICORPS MULTIVALENT**
[72] DE KRUIF, CORNELIS ADRIAAN, NL
[72] HENDRIKS, LINDA JOHANNA ALEIDA, NL
[72] LOGTENBERG, TON, NL
[72] VAN LOO, PIETER FOKKO, NL
[71] MERUS N.V., NL
[85] 2020-09-17
[86] 2019-03-29 (PCT/NL2019/050199)
[87] (WO2019/190327)
[30] US (62/650,467) 2018-03-30

[21] **3,094,320**
[13] A1
[51] **Int.Cl. G06F 11/36 (2006.01) G06F 11/34 (2006.01)**
[25] EN
[54] **UNIFIED TEST AUTOMATION SYSTEM**
[54] **SYSTEME UNIFIE D'AUTOMATISATION DE TESTS**
[72] ALLEN, DAVID J., US
[72] KUTE, UMESH, IN
[72] HAZEL, STEVEN, US
[71] SUNGARD AVAILABILITY SERVICES, LP, US
[85] 2020-09-17
[86] 2019-03-18 (PCT/US2019/022667)
[87] (WO2019/182932)
[30] US (15/933,615) 2018-03-23

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[21] **3,094,321**
[13] A1

[51] **Int.Cl. B63C 7/00 (2006.01) B23D 57/00 (2006.01) B25H 1/00 (2006.01) B63C 11/52 (2006.01) F16L 1/26 (2006.01) F16L 41/16 (2006.01)**

[25] EN

[54] **MARINE SALVAGE DRILL ASSEMBLIES AND SYSTEMS**

[54] **ENSEMBLES ET SYSTEMES DE PERFORATION DE REPARATION NAVALE**

[72] FARRELL, JOSEPH E., III, US

[72] BAMBACH, THOMAS ADRIAAN, NL

[72] TIELMAN, PATRICK LOUIS, NL

[72] GEURTSSEN, CORNELIS HENDRIKUS, NL

[72] VAN DER SPELD, ALEXANDER, NL

[72] SCHAUER, TODD JEFFREY, US

[72] BIERWAGEN, MATTHEW KEN, GB

[72] CONWAY, NOLAN BLAKE, US

[71] RESOLVE MARINE GROUP, INC., US

[85] 2020-09-17

[86] 2019-03-18 (PCT/US2019/022714)

[87] (WO2019/182958)

[30] US (62/644,676) 2018-03-19

[21] **3,094,322**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/0781 (2010.01) C12N 5/0789 (2010.01) A61K 39/395 (2006.01) C12N 5/02 (2006.01)**

[25] EN

[54] **CELLS AND METHODS OF USES AND MAKING THE SAME**

[54] **CELLULES ET METHODES D'UTILISATION ET DE PRODUCTION DE CELLES-CI**

[72] BHATTACHARYA, DEEPTA, US

[72] WANG, YINAN, US

[72] CALLAHAN, DERRICK, US

[72] PIZZATO, HANNAH, US

[71] WASHINGTON UNIVERSITY, US

[85] 2020-09-17

[86] 2018-03-20 (PCT/US2018/023288)

[87] (WO2018/175390)

[30] US (62/473,564) 2017-03-20

[21] **3,094,323**
[13] A1

[51] **Int.Cl. F04B 7/06 (2006.01) A61M 5/145 (2006.01)**

[25] EN

[54] **SELF-PUMPING SYRINGE**

[54] **SERINGUE A AUTO-POMPAGE**

[72] MCKINNON, AUSTIN JASON, US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2020-09-17

[86] 2019-04-12 (PCT/US2019/027224)

[87] (WO2019/204149)

[30] US (62/659,879) 2018-04-19

[21] **3,094,324**
[13] A1

[51] **Int.Cl. C07D 215/52 (2006.01) A61K 31/47 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR INHIBITING DIHYDROOROTATE DEHYDROGENASE**

[54] **COMPOSITIONS ET PROCEDES POUR INHIBER LA DIHYDROOROTATE DESHYDROGENASE**

[72] KUMAR, VIKRAM S., US

[72] HESSON, DAVID P., US

[72] HUANG, PING, CN

[72] JIA, MO, CN

[72] YOU, XIANJUN, CN

[71] CLEAR CREEK BIO, INC., US

[85] 2020-09-17

[86] 2019-03-26 (PCT/US2019/023985)

[87] (WO2019/191032)

[30] US (62/648,320) 2018-03-26

[30] US (62/655,407) 2018-04-10

[30] US (62/682,440) 2018-06-08

[21] **3,094,325**
[13] A1

[51] **Int.Cl. G08B 23/00 (2006.01)**

[25] EN

[54] **SWIMMING POOL MONITORING**

[54] **SURVEILLANCE DE PISCINE**

[72] ROGERS, THOMAS, US

[72] BART, GARY FRANKLIN, US

[72] CONSTANTINE, DEAN, US

[72] VARN, JOHN, US

[71] ALARM.COM INCORPORATED, US

[85] 2020-09-17

[86] 2019-03-19 (PCT/US2019/022978)

[87] (WO2019/183100)

[30] US (62/644,862) 2018-03-19

[21] **3,094,326**
[13] A1

[51] **Int.Cl. B22D 35/00 (2006.01) B22D 17/30 (2006.01) H02K 44/06 (2006.01)**

[25] EN

[54] **MOLTEN METAL PUMP, AND METHOD OF ADJUSTING PUMPING POWER OF MOLTEN METAL PUMP**

[54] **POMPE A METAL EN FUSION, ET PROCEDE POUR AJUSTER LA PUISSANCE DE POMPAGEDE LADITE POMPE**

[72] TAKAHASHI, KENZO, JP

[71] TAKAHASHI, KENZO, JP

[85] 2020-09-17

[86] 2019-03-18 (PCT/JP2019/011263)

[87] (WO2019/181884)

[30] JP (2018-053321) 2018-03-20

[21] **3,094,329**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 35/76 (2015.01) A61K 38/19 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/47 (2006.01) C07K 14/54 (2006.01) C07K 14/715 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01) C12N 15/12 (2006.01) C12N 15/24 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS COMPRISING TUMOR SUPPRESSOR GENE THERAPY AND CD122/CD132 AGONISTS FOR THE TREATMENT OF CANCER**

[54] **PROCEDES ET COMPOSITIONS COMPRENANT UNE THERAPIE GENIQUE SUPPRESSIVE DE TUMEUR ET DES AGONISTES DE CD122/CD132 POUR LE TRAITEMENT DU CANCER**

[72] SOBOL, ROBERT E., US

[72] MENANDER, KERSTIN B., US

[72] WIEDERHOLD, DORA, US

[72] CHADA, SUNIL, US

[71] MULTIVIR INC., US

[85] 2020-09-17

[86] 2019-03-19 (PCT/US2019/022985)

[87] (WO2020/036635)

[30] US (62/645,022) 2018-03-19

[30] US (62/803,887) 2019-02-11

Demandes PCT entrant en phase nationale

[21] **3,094,330**
[13] A1

[51] **Int.Cl. C22C 1/03 (2006.01) C22C 21/02 (2006.01) H04M 1/02 (2006.01)**

[25] EN

[54] **HIGH TEMPERATURE OXIDATION RESISTANT CO-BASED GAMMA/GAMMA PRIME ALLOY DMREF-CO**

[54] **ALLIAGE GAMMA/GAMMA PRIME A BASE DE CO RESISTANT A L'OXYDATION A HAUTE TEMPERATURE DMREF - CO**

[72] POLLOCK, TRESA M., US
[72] STEWART, COLIN A., US
[72] MURRAY, SEAN P., US
[72] LEVI, CARLOS G., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2020-09-17
[86] 2019-04-04 (PCT/US2019/025882)
[87] (WO2019/195612)
[30] US (62/652,614) 2018-04-04

[21] **3,094,332**
[13] A1

[51] **Int.Cl. A61K 31/40 (2006.01) A61K 31/4465 (2006.01) A61K 45/06 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR INCREASING REMYELINATION**

[54] **COMPOSITIONS ET METHODES PERMETTANT D'AUGMENTER LA REMYELINISATION**

[72] TAIT, BRADLEY, US
[72] JIROUSEK, MICHAEL R., US
[72] LOOSE, CHRISTOPHER, US
[72] CHIN, WILLIAM W., US
[71] FREQUENCY THERAPEUTICS, INC., US

[85] 2020-09-17
[86] 2019-04-05 (PCT/US2019/026078)
[87] (WO2019/195742)
[30] US (62/653,206) 2018-04-05
[30] US (62/660,124) 2018-04-19

[21] **3,094,334**
[13] A1

[51] **Int.Cl. C09K 8/92 (2006.01) C09K 8/588 (2006.01) C09K 8/80 (2006.01) C09K 8/88 (2006.01)**

[25] EN

[54] **PELLETIZED DIVERTING AGENTS USING DEGRADABLE POLYMERS**

[54] **AGENTS DE DEVIATION SOUS FORME DE GRANULES UTILISANT DES POLYMERES DEGRADABLES**

[72] LARSEN, TRAVIS HOPE, US
[72] EOFF, LARRY STEVEN, US
[72] BEUTERBAUGH, AARON MICHAEL, US
[72] LEWIS, CHRIS A., US
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2020-09-17
[86] 2018-05-14 (PCT/US2018/032507)
[87] (WO2019/221693)

[21] **3,094,331**
[13] A1

[51] **Int.Cl. E21B 34/10 (2006.01) E21B 23/00 (2006.01) E21B 43/12 (2006.01) E21B 43/14 (2006.01)**

[25] EN

[54] **REMOTE-OPEN DEVICE FOR WELL OPERATION**

[54] **DISPOSITIF A OUVERTURE A DISTANCE POUR EXPLOITATION D'UN Puits**

[72] DAVIES, KATHERINE ANN, GB
[72] CRAIK, STEVEN JOHN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2020-09-17
[86] 2019-05-09 (PCT/US2019/031418)
[87] (WO2019/226353)
[30] US (62/674,933) 2018-05-22
[30] US (16/405,498) 2019-05-07

[21] **3,094,333**
[13] A1

[51] **Int.Cl. A24C 5/00 (2020.01) A24C 5/02 (2006.01) A24C 5/06 (2006.01) A24C 5/40 (2006.01) A24C 5/42 (2006.01) A24C 5/54 (2006.01) B65D 83/02 (2006.01)**

[25] EN

[54] **CIGARETTE PACKING PROCESSES, SYSTEMS, AND PRODUCTS**

[54] **PROCEDES, SYSTEMES ET PRODUITS DE CONDITIONNEMENT DE CIGARETTES**

[72] BRYANT, SCOTT, US
[72] BERRIO, VICTOR, US
[72] GILLIAM, GARY TREVOR, US
[71] STRATOS, LLC, US

[85] 2020-09-17
[86] 2019-03-19 (PCT/US2019/023017)
[87] (WO2019/183128)
[30] US (62/645,289) 2018-03-20

[21] **3,094,335**
[13] A1

[51] **Int.Cl. C23C 4/10 (2016.01) C23C 4/12 (2016.01) F01D 25/00 (2006.01)**

[25] EN

[54] **CMAS RESISTANT, HIGH STRAIN TOLERANT AND LOW THERMAL CONDUCTIVITY THERMAL BARRIER COATINGS AND THERMAL SPRAY COATING METHOD**

[54] **REVETEMENTS DE BARRIERE THERMIQUE RESISTANT A L'OXYDE CMAS, TOLERANTS AUX CONTRAINTES ELEVEES ET A FAIBLE CONDUCTIVITE THERMIQUE ET PROCEDE DE REVETEMENT PAR PULVERISATION THERMIQUE**

[72] CHEN, DIANYING, US
[72] DAMBRA, CHRISTOPHER G., US
[72] DORFMAN, MITCHELL R., US
[71] OERLIKON METCO (US) INC., US

[85] 2020-09-17
[86] 2019-04-08 (PCT/US2019/026346)
[87] (WO2019/199678)
[30] US (62/654,985) 2018-04-09

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[21] 3,094,337 [13] A1	[21] 3,094,339 [13] A1	[21] 3,094,343 [13] A1
<p>[51] Int.Cl. F16F 15/04 (2006.01) F16F 1/02 (2006.01) F16F 1/373 (2006.01) F16F 3/02 (2006.01) F16F 3/08 (2006.01) F16F 15/08 (2006.01)</p> <p>[25] EN</p> <p>[54] METAL ISOLATOR WITH TUNABLE RESONANT FREQUENCIES AND METHOD FOR MAKING THE ISOLATOR</p> <p>[54] ISOLATEUR METALLIQUE A FREQUENCES DE RESONANCE ACCORDABLES ET PROCEDE DE FABRICATION DE L'ISOLATEUR</p> <p>[72] VO, PETER H., US</p> <p>[72] WILLIAMS, COLLEEN, US</p> <p>[72] BARCLAY, BRANDON CRAIG, US</p> <p>[71] RAYTHEON COMPANY, US</p> <p>[85] 2020-09-17</p> <p>[86] 2019-02-08 (PCT/US2019/017353)</p> <p>[87] (WO2019/199373)</p> <p>[30] US (15/951,104) 2018-04-11</p>	<p>[51] Int.Cl. A61B 17/34 (2006.01) A61M 5/46 (2006.01) A61M 39/02 (2006.01)</p> <p>[25] EN</p> <p>[54] LOW-PROFILE SINGLE AND DUAL VASCULAR ACCESS DEVICE</p> <p>[54] DISPOSITIF D'ACCES VASCULAIRE SIMPLE ET DOUBLE A PROFIL BAS</p> <p>[72] FEDOR, BRENDA L.F., US</p> <p>[72] STATS, JASON R., US</p> <p>[72] RANDALL, MICHAEL ADAM, US</p> <p>[72] VAN LIERE, CHAD C., US</p> <p>[72] COX, JEREMY B., US</p> <p>[71] C.R. BARD, INC., US</p> <p>[85] 2020-09-17</p> <p>[86] 2019-04-12 (PCT/US2019/027301)</p> <p>[87] (WO2019/200304)</p> <p>[30] US (62/657,662) 2018-04-13</p> <p>[30] US (62/732,928) 2018-09-18</p> <p>[30] US (16/382,177) 2019-04-11</p>	<p>[51] Int.Cl. B07C 5/342 (2006.01) B07C 5/36 (2006.01) G06K 9/46 (2006.01) G06K 9/48 (2006.01) G06K 9/62 (2006.01)</p> <p>[25] EN</p> <p>[54] VISION AND ANALOG SENSING SCRAP SORTING SYSTEM AND METHOD</p> <p>[54] SYSTEME ET PROCEDE DE TRI DE FERRAILLE A DETECTION ANALOGIQUE ET VISUELLE</p> <p>[72] CHAGANTI, KALYANI, US</p> <p>[72] TOREK, PAUL, US</p> <p>[72] HAWKINS, MICHAEL A., US</p> <p>[71] HURON VALLEY STEEL CORPORATION, US</p> <p>[85] 2020-09-17</p> <p>[86] 2019-02-27 (PCT/US2019/019790)</p> <p>[87] (WO2019/190677)</p> <p>[30] US (15/936,923) 2018-03-27</p>

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[21] **3,094,344**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) C12N 5/0783 (2010.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01) C12N 15/86 (2006.01) C12Q 1/02 (2006.01)**

[25] EN

[54] **METHODS OF ENHANCING PERSISTENCE OF ADOPTIVELY INFUSED T CELLS**

[54] **PROCEDES D'AMELIORATION DE LA PERSISTANCE DE LYMPHOCYTES T PERFUSES ADOPTIVEMENT**

[72] ALPERT, AMIR, US

[71] IMMATICS US, INC., US

[85] 2020-09-17

[86] 2019-03-20 (PCT/US2019/023104)

[87] (WO2019/183181)

[30] US (62/646,180) 2018-03-21

[30] DE (10 2018 108 612.1) 2018-04-11

[21] **3,094,345**
[13] A1

[51] **Int.Cl. C12N 15/869 (2006.01) A61P 17/00 (2006.01) C07K 14/46 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF AUTOSOMAL RECESSIVE CONGENITAL ICHTHYOSIS**

[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT D'UNE ICHTYOSE CONGENITALE AUTOSOMIQUE RECESSIVE**

[72] KRISHNAN, SUMA, US

[72] AGARWAL, POOJA, US

[72] FREEDMAN, JOHN C., US

[72] O'MALLEY, MARK E., US

[72] REGULA, LAUREN K., US

[71] KRYSTAL BIOTECH, INC., US

[85] 2020-09-17

[86] 2019-04-11 (PCT/US2019/027079)

[87] (WO2019/200163)

[30] US (62/656,768) 2018-04-12

[21] **3,094,349**
[13] A1

[51] **Int.Cl. A61F 2/16 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01)**

[25] EN

[54] **INJECTOR ASSEMBLY EMPLOYING COMPRESSED GAS AND A MECHANICAL BRAKE FOR PRESENTING AN INTRAOCULAR LENS TO A PATIENT**

[54] **ENSEMBLE INJECTEUR UTILISANT DU GAZ COMPRIME ET UN FREIN MECANIQUE POUR PRESENTER UNE LENTILLE INTRAOCULAIRE A UN PATIENT**

[72] MUCHHALA, SUSHANT P., US

[72] VALLE, MOISES A., US

[72] AYYAGARI, MADHU S., US

[72] BAKSHI, SANJEEV, US

[72] SMITH, JEFFREY C., US

[72] SCHERER, ANDREW J., JR., US

[72] MOSSBERG, MARK E., US

[71] BAUSCH & LOMB INCORPORATED, US

[85] 2020-09-17

[86] 2019-03-26 (PCT/US2019/024053)

[87] (WO2019/191080)

[30] US (62/649,353) 2018-03-28

[21] **3,094,350**
[13] A1

[51] **Int.Cl. F41G 1/34 (2006.01) G02B 23/14 (2006.01) G02B 27/34 (2006.01)**

[25] EN

[54] **VIEWING OPTIC WITH A BASE HAVING A LIGHT MODULE**

[54] **OPTIQUE DE VISUALISATION AVEC UNE BASE AYANT UN MODULE LUMINEUX**

[72] HAMILTON, DAVID M., US

[71] SHELTERED WINGS, INC. D/B/A VORTEX OPTICS, US

[85] 2020-09-17

[86] 2019-03-20 (PCT/US2019/023182)

[87] (WO2019/183230)

[30] US (62/645,584) 2018-03-20

[21] **3,094,351**
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHOD FOR ACTIVATING ANALYTE SENSOR ELECTRONICS**

[54] **SYSTEMES ET PROCEDE POUR ACTIVER DES CIRCUITS ELECTRONIQUES DE CAPTEURS D'ANALYTE**

[72] HALAC, JASON, US

[72] BOHM, SEBASTIAN, US

[72] CRABTREE, VINCENT PETER, US

[72] DERENZY, DAVID, US

[72] DERVAES, MARK S., US

[72] KALFAS, NICHOLAS, US

[72] MCDANIEL, ZEBEDIAH L., US

[72] MOORE, MICHAEL LEVOZIER, US

[72] NEWHOUSE, TODD ANDREW, US

[72] PLOOF, MICHAEL A., US

[72] REICHERT, STEPHEN ALAN, US

[72] SIMPSON, PETER C., US

[72] TEETER, ALEXANDER LEROY, US

[72] GARCIA, RODOLFO, US

[72] PIOTROWIAK, JAROSLAV, US

[72] O'CONNELL, THOMAS GEORGE, US

[72] DORIA, ARLENE G., US

[71] DEXCOM, INC., US

[85] 2020-09-17

[86] 2019-05-01 (PCT/US2019/030279)

[87] (WO2019/213319)

[30] US (62/666,554) 2018-05-03

[21] **3,094,352**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) G06F 21/55 (2013.01) G05B 23/02 (2006.01)**

[25] EN

[54] **TECHNOLOGIES FOR DETECTING CYBER-ATTACKS AGAINST ELECTRICAL DISTRIBUTION DEVICES**

[54] **TECHNOLOGIES DE DETECTION DE CYBERATTQUES CONTRE DES DISPOSITIFS DE DISTRIBUTION D'ELECTRICITE**

[72] NUQUI, REYNALDO, US

[72] HONG, JUNHO, US

[72] COATS, DAVID, US

[71] ABB POWER GRIDS SWITZERLAND AG, CH

[85] 2020-09-17

[86] 2019-04-23 (PCT/US2019/028668)

[87] (WO2019/209796)

[30] US (15/963,850) 2018-04-26

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[21] **3,094,353**
[13] A1

[51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/31 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **SYRINGE WITH FLAT INDICIA DISPLAY SURFACE**
[54] **SERINGUE A UNE SURFACE D'AFFICHAGE D'INDICES PLAT**
[72] SHAW, THOMAS J., US
[72] SMALL, MARK, US
[72] ZHU, NI, US
[71] RETRACTABLE TECHNOLOGIES, INC., US
[71] SHAW, THOMAS J., US
[85] 2020-09-17
[86] 2019-03-27 (PCT/US2019/024361)
[87] (WO2019/191285)
[30] US (15/940,305) 2018-03-29

[21] **3,094,355**
[13] A1

[51] **Int.Cl. B29C 67/00 (2017.01)**
[25] EN
[54] **HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM**
[54] **SYSTEME D'IMPRESSION 3D PAR EXTRUSION A GRANDE VITESSE**
[72] MACNEISH III, WILLIAM J., US
[72] TEIPEL, BLAKE, US
[72] SWEENEY, CHARLES BRANDON, US
[72] GJOVIK, ERIK JOHN, US
[71] ESSENTIUM INC., US
[85] 2020-09-17
[86] 2019-03-20 (PCT/US2019/023197)
[87] (WO2019/183240)
[30] US (62/646,019) 2018-03-21

[21] **3,094,358**
[13] A1

[51] **Int.Cl. E21B 44/04 (2006.01) E21B 41/00 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR STICK-SLIP MITIGATION**
[54] **PROCEDE ET SYSTEME POUR ATTENUATION DE GLISSEMENT SACCADE**
[72] SUN, ZHIJIE, US
[72] GU, QIUYING, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-09-17
[86] 2019-05-09 (PCT/US2019/031490)
[87] (WO2019/231629)
[30] US (62/678,901) 2018-05-31
[30] US (16/407,345) 2019-05-09

[21] **3,094,354**
[13] A1

[51] **Int.Cl. A61F 9/00 (2006.01) A61M 35/00 (2006.01) B05B 1/14 (2006.01) B05B 1/34 (2006.01) B65D 25/42 (2006.01) A61J 1/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DELIVERY OF A THERAPEUTIC AGENT**
[54] **SYSTEMES ET METHODES D'ADMINISTRATION D'UN AGENT THERAPEUTIQUE**
[72] GOLUB, HOWARD L., US
[72] CHAUHAN, ANUJ, US
[72] WILLIAMS, MICHAEL, US
[71] TEARCLEAR CORP., US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[85] 2020-09-16
[86] 2019-04-05 (PCT/US2019/026070)
[87] (WO2019/195734)
[30] US (62/654,089) 2018-04-06
[30] US (62/827,743) 2019-04-01

[21] **3,094,357**
[13] A1

[51] **Int.Cl. H04N 21/25 (2011.01) H04N 19/147 (2014.01) H04N 19/154 (2014.01) G06N 20/20 (2019.01) G06K 9/62 (2006.01) H04N 17/00 (2006.01)**
[25] EN
[54] **QUANTIFYING PERCEPTUAL QUALITY MODEL UNCERTAINTY VIA BOOTSTRAPPING**
[54] **QUANTIFICATION D'INCERTITUDE DE MODELE DE QUALITE PERCEPTIVE PAR LE BIAIS D'UN AMORCAGE**
[72] BAMPIS, CHRISTOS, US
[72] LI, ZHI, US
[72] SHARAN, LAVANYA, US
[72] NOVAK, JULIE, US
[72] TINGLEY, MARTIN, US
[71] NETFLIX, INC., US
[85] 2020-09-17
[86] 2019-03-20 (PCT/US2019/023256)
[87] (WO2019/183280)
[30] US (62/645,774) 2018-03-20
[30] US (62/767,454) 2018-11-14
[30] US (16/352,755) 2019-03-13
[30] US (16/352,757) 2019-03-13

[21] **3,094,359**
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01) A61F 9/00 (2006.01) A61F 9/013 (2006.01)**
[25] EN
[54] **INTRACANALICULAR DISSOLVABLE PUNCTUM PLUG INSERTER**
[54] **DISPOSITIF D'INSERTION DE BOUCHON POUR POINT LACRYMAL SOLUBLE INTRACANALICULAIRE**
[72] GUBACHY, JAMES MICHAEL, US
[71] ALPHAMED, INC., US
[85] 2020-09-17
[86] 2019-03-21 (PCT/US2019/023323)
[87] (WO2019/183322)
[30] US (62/646,538) 2018-03-22

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[21] **3,094,360**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/198 (2006.01) A61K 41/00 (2020.01) A61K 47/36 (2006.01) A61L 2/00 (2006.01) A61L 2/08 (2006.01) A61L 2/232 (2006.01) A61L 27/34 (2006.01) A61L 27/44 (2006.01) A61L 27/52 (2006.01) A61L 27/54 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **THERMORESPONSIVE COMPOSITIONS AND METHODS FOR PREVENTING AND DISRUPTING BIOFILMS**

[54] **COMPOSITIONS THERMOSENSIBLES ET PROCEDES POUR EMPECHER ET INTERROMPRE DE BIOFILMS**

[72] SAMIA, ANNA CRISTINA S., US

[72] FRANGIAMORE, SALVATORE J., US

[72] HIGUERA RUEDA, CARLOS A., US

[72] KLIKA, ALISON K., US

[72] BARSOUM, WAEL K., US

[71] CASE WESTERN RESERVE UNIVERSITY, US

[71] THE CLEVELAND CLINIC FOUNDATION, US

[85] 2020-09-17

[86] 2019-03-21 (PCT/US2019/023353)

[87] (WO2019/183344)

[30] US (62/645,859) 2018-03-21

[21] **3,094,361**
[13] A1

[51] **Int.Cl. A23L 3/02 (2006.01) A23B 9/00 (2006.01) A23C 9/13 (2006.01) A23L 3/10 (2006.01) A23L 3/015 (2006.01)**

[25] EN

[54] **MILK AND OAT FOOD PRODUCT AS A METHOD OF MAKING A PACKAGED FOOD PRODUCT**

[54] **PRODUIT ALIMENTAIRE A BASE DE LAIT ET D'AVOINE ET PROCEDE DE FABRICATION D'UN PRODUIT ALIMENTAIRE EMBALLE**

[72] JACKSON, ERIC WAYNE, US

[72] SUN, JIE, US

[71] GENERAL MILLS, INC., US

[85] 2020-09-17

[86] 2019-06-25 (PCT/US2019/038969)

[87] (WO2020/005930)

[30] US (62/690,070) 2018-06-26

[21] **3,094,362**
[13] A1

[51] **Int.Cl. G06F 1/26 (2006.01) H01H 35/00 (2006.01) H01H 35/02 (2006.01) H01M 10/42 (2006.01)**

[25] EN

[54] **BATTERY ORIENTATION SYSTEM**

[54] **SYSTEME D'ORIENTATION DE BATTERIE**

[72] HANSEN, ADAM D., US

[71] SENSUS SPECTRUM, LLC, US

[85] 2020-09-17

[86] 2019-03-22 (PCT/US2019/023508)

[87] (WO2019/183434)

[30] US (15/928,630) 2018-03-22

[21] **3,094,363**
[13] A1

[51] **Int.Cl. F04B 49/06 (2006.01) F04B 35/04 (2006.01) F04B 41/06 (2006.01) F04B 49/00 (2006.01) G05D 7/06 (2006.01)**

[25] EN

[54] **IN-LINE PUMPING APPARATUS, SYSTEM AND METHOD FOR INCREASING LIQUID FLOW IN GRAVITY NETWORKS**

[54] **APPAREIL, SYSTEME ET PROCEDE DE POMPAGE EN LIGNE POUR ACCROITRE UN ECOULEMENT DE LIQUIDE DANS DES RESEAUX GRAVITAIRES**

[72] DUMONCEAUX, STEPHANE, FR

[71] INDUSTRIAL FLOW SOLUTIONS OPERATING, LLC, US

[85] 2020-09-17

[86] 2019-11-27 (PCT/US2019/063767)

[87] (WO2020/113113)

[30] US (62/904,652) 2019-09-23

[21] **3,094,364**
[13] A1

[51] **Int.Cl. G01N 29/32 (2006.01) G01N 29/04 (2006.01) G01N 29/24 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD OF SUBMITTING DATA FROM INDIVIDUAL SENSORS OVER A SHARED CABLE**

[54] **SYSTEME ET PROCEDE DE SOUMISSION DE DONNEES PROVENANT DE CAPTEURS INDIVIDUELS SUR UN CABLE PARTAGE**

[72] KLOZA, MARIUSZ, US

[72] CHERNYSHOV, ALEXANDER S., US

[71] MOLEX, LLC, US

[85] 2020-09-17

[86] 2019-03-22 (PCT/US2019/023613)

[87] (WO2019/183490)

[30] US (62/646,664) 2018-03-22

[21] **3,094,365**
[13] A1

[51] **Int.Cl. G06F 11/30 (2006.01)**

[25] EN

[54] **QUANTIFYING USAGE OF DISPARATE COMPUTING RESOURCES AS A SINGLE UNIT OF MEASURE**

[54] **QUANTIFICATION D'UTILISATION DE RESSOURCES INFORMATIQUES DISPARATES EN TANT QU'UNITE UNIQUE DE MESURE**

[72] MARTIN, TIMOTHY A., US

[72] STEWART, MYRON L., US

[71] CAROLINA CLOUD EXCHANGE INC., US

[85] 2020-09-17

[86] 2019-03-22 (PCT/US2019/023712)

[87] (WO2019/183566)

[30] US (62/647,335) 2018-03-23

[30] US (62/690,533) 2018-06-27

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[21] **3,094,366**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/496 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 13/00 (2006.01) A61P 25/10 (2006.01) A61P 25/16 (2006.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01) A61P 31/00 (2006.01) C07D 401/08 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 491/107 (2006.01)**

[25] EN
[54] **PIPERAZINE AZASPIRO DERIVATIVES**
[54] **DERIVES AZASPIRO DE PIPERAZINE**
[72] ZHANG, LEI, US
[72] LACHAPPELLE, ERIK ALPHIE, US
[72] BUTLER, CHRISTOPHER RYAN, US
[72] KABLAOUI, NATASHA MARIAM, US
[72] BRODNEY, MICHAEL AARON, US
[72] MCALLISTER, LAURA ANN, US
[72] YANG, QINGYI, US
[72] HELAL, CHRISTOPHER JOHN, US
[72] WEBB, DAMIEN, CH
[71] PFIZER INC., US
[85] 2020-09-17
[86] 2019-03-25 (PCT/US2019/023916)
[87] (WO2019/183636)
[30] US (62/647,106) 2018-03-23

[21] **3,094,367**
[13] A1

[51] **Int.Cl. E04H 12/22 (2006.01) B66F 3/08 (2006.01) E02D 27/32 (2006.01) E04B 1/26 (2006.01) E04H 12/04 (2006.01) E04H 12/34 (2006.01)**

[25] EN
[54] **POST INSTALLATION BRACKET**
[54] **SUPPORT D'INSTALLATION DE POTEAU**
[72] MANOS, ROBERT, US
[72] GRAY, SCOTT, US
[71] MGL PARTNERS, US
[85] 2020-04-14
[86] 2018-10-15 (PCT/US2018/055959)
[87] (WO2019/075486)
[30] US (62/572,032) 2017-10-13
[30] US (16/158,507) 2018-10-12

[21] **3,094,373**
[13] A1

[51] **Int.Cl. G02B 7/02 (2006.01) G02B 19/00 (2006.01) G02B 27/09 (2006.01) G01N 15/14 (2006.01)**

[25] EN
[54] **FLOW CYTOMETER, LASER OPTICS ASSEMBLY THEREOF, AND METHODS OF ASSEMBLING THE SAME**
[54] **CYTOMETRE EN FLUX, ENSEMBLE OPTIQUE LASER ASSOCIE ET PROCEDES D'ASSEMBLAGE ASSOCIES**
[72] MISENER, GARLAND CHRISTIAN, US
[72] MOON, MICHAEL RYAN, US
[72] MCELWAIN, SPENCER FRANKLIN, US
[72] PAPALE, ALAN, US
[71] IDEXX LABORATORIES, INC., US
[85] 2020-09-17
[86] 2019-03-28 (PCT/US2019/024568)
[87] (WO2019/191419)
[30] US (62/650,783) 2018-03-30

[21] **3,094,378**
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) H04L 9/32 (2006.01) H04L 12/12 (2006.01) H04L 29/06 (2006.01)**

[25] EN
[54] **INSTANT VIRTUAL APPLICATION LAUNCH**
[54] **LANCEMENT D'APPLICATION VIRTUELLE INSTANTANEE**
[72] MOMCHILOV, GEORGY, US
[72] INGALE, MUKUND, US
[72] SWAMINATHAN, BALA, US
[71] CITRIX SYSTEMS, INC., US
[85] 2020-09-15
[86] 2019-02-01 (PCT/US2019/016223)
[87] (WO2019/173015)
[30] US (15/915,203) 2018-03-08

[21] **3,094,384**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/48 (2006.01) A61K 31/195 (2006.01) A61K 47/36 (2006.01) A61P 5/14 (2006.01)**

[25] EN
[54] **HIGHLY STABLE FORMULATIONS OF THYROID HORMONE IN SOFT CAPSULES**
[54] **FORMULATIONS HAUTEMENT STABLES D'HORMONE THYROIDIENNE DANS DES CAPSULES MOLLES**
[72] CARUCCI, SIMONE, CH
[72] MARCHIORRI, MAURIZIO, CH
[72] PONTIGGIA, MARCO, CH
[72] FOSSATI, TIZIANO, CH
[71] ALTERGON S.A., CH
[85] 2020-09-15
[86] 2019-03-06 (PCT/EP2019/055547)
[87] (WO2019/174990)
[30] IT (102018000003615) 2018-03-15

[21] **3,094,390**
[13] A1

[51] **Int.Cl. B32B 25/04 (2006.01) C09J 7/28 (2018.01) C09J 7/29 (2018.01) B32B 5/14 (2006.01) B32B 7/02 (2019.01) B32B 9/00 (2006.01) B32B 9/02 (2006.01) B32B 9/04 (2006.01) B32B 15/06 (2006.01) B32B 15/08 (2006.01) B32B 15/082 (2006.01) B32B 15/088 (2006.01) B32B 15/18 (2006.01) B32B 15/20 (2006.01) B32B 21/04 (2006.01) B32B 21/08 (2006.01) B32B 25/08 (2006.01) B32B 25/10 (2006.01) B32B 25/20 (2006.01) B32B 27/12 (2006.01) B32B 27/28 (2006.01) B32B 27/30 (2006.01) B32B 27/34 (2006.01) F16F 9/30 (2006.01)**

[25] EN
[54] **MULTILAYER CONSTRAINED-LAYER DAMPING**
[54] **AMORTISSEMENT DE COUCHE DE CONTRAINTE MULTICOUCHE**
[72] GANESAN, MAHESH, US
[72] MILLIMAN, HENRY W., US
[71] AVERY DENNISON CORPORATION, US
[85] 2020-09-18
[86] 2018-03-19 (PCT/US2018/023119)
[87] (WO2019/182553)

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[21] **3,094,391**
[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01) A61K 9/00 (2006.01) A61K 31/472 (2006.01) A61K 38/17 (2006.01) A61P 11/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS RELATING TO LUNG REPAIR**

[54] **METHODES ET COMPOSITIONS SE RAPPORTANT A LA REPARATION PULMONAIRE**

[72] PUDER, MARK, US

[72] DAO, DUY T., US

[71] THE CHILDREN'S MEDICAL CENTER CORPORATION, US

[85] 2020-09-18

[86] 2019-01-24 (PCT/US2019/014867)

[87] (WO2019/182683)

[30] US (62/646,493) 2018-03-22

[21] **3,094,392**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/72 (2006.01)**

[25] EN

[54] **LEARNING FORM-BASED INFORMATION CLASSIFICATION**

[54] **CLASSIFICATION D'INFORMATIONS BASEE SUR UNE FORME D'APPRENTISSAGE**

[72] FOROUGH, HOMA, US

[72] RIMCHALA, JOY, US

[71] INTUIT INC., US

[85] 2020-09-18

[86] 2019-02-01 (PCT/US2019/016290)

[87] (WO2019/190630)

[30] US (15/938,623) 2018-03-28

[21] **3,094,393**
[13] A1

[51] **Int.Cl. G02B 6/44 (2006.01) C08L 83/04 (2006.01) C08L 91/00 (2006.01)**

[25] EN

[54] **FLOODING COMPOSITION WITH POLYSILOXANE**

[54] **COMPOSITION D'INJECTION COMPORTANT DU POLYSILOXANE**

[72] SEVEN, KARL M., US

[72] COGEN, JEFFREY M., US

[72] ESSEGHIR, MOHAMED, US

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2020-09-18

[86] 2019-03-13 (PCT/US2019/021994)

[87] (WO2019/190746)

[30] US (15/938,774) 2018-03-28

[21] **3,094,394**
[13] A1

[51] **Int.Cl. C08F 255/02 (2006.01) C08L 51/06 (2006.01) C08L 83/04 (2006.01) C08L 91/00 (2006.01) G02B 6/44 (2006.01) H01B 3/44 (2006.01)**

[25] EN

[54] **FLOODING COMPOSITION WITH POLYSILOXANE**

[54] **COMPOSITION D'INONDATION CONTENANT DU POLYSILOXANE**

[72] SEVEN, KARL M., US

[72] COGEN, JEFFREY M., US

[72] ESSEGHIR, MOHAMED, US

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2020-09-18

[86] 2019-03-13 (PCT/US2019/022012)

[87] (WO2019/190747)

[30] US (15/938,885) 2018-03-28

[21] **3,094,395**
[13] A1

[51] **Int.Cl. B01J 23/883 (2006.01) B01J 23/882 (2006.01) B01J 23/888 (2006.01) B01J 27/051 (2006.01) B01J 35/10 (2006.01) B01J 37/00 (2006.01) B01J 37/20 (2006.01) C10G 45/08 (2006.01)**

[25] EN

[54] **BULK METALLIC CATALYSTS AND METHODS OF MAKING AND USING THE SAME**

[54] **CATALYSEURS METALLIQUES EN VRAC ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] BAI, CHUANSHENG, US

[72] CUNNINGHAM, MAJOSEFINA, US

[72] JOHNSON, GREGORY R., US

[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US

[85] 2020-09-18

[86] 2019-03-18 (PCT/US2019/022694)

[87] (WO2019/182946)

[30] US (62/646,426) 2018-03-22

[21] **3,094,396**
[13] A1

[51] **Int.Cl. G01V 1/28 (2006.01) G01V 1/36 (2006.01)**

[25] EN

[54] **DETERMING FIRST-BREAK POINTS IN SEISMIC DATA**

[54] **DETERMINATION DE POINTS DE PREMIERE RUPTURE DANS DES DONNEES SISMIQUES**

[72] YOO, JEWOO, NL

[72] VAN BORSELEN, ROALD, NL

[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2020-09-18

[86] 2019-03-18 (PCT/US2019/022748)

[87] (WO2019/182973)

[30] US (15/928,323) 2018-03-22

[21] **3,094,397**
[13] A1

[51] **Int.Cl. F41G 3/26 (2006.01) F41A 33/02 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR DETECTION OF A SHOT FIRING EVENT**

[54] **APPAREILS ET PROCEDES DE DETECTION D'EVENEMENT DE COUP DE FEU**

[72] BARRETT, DAVE, US

[72] LI, WEN, US

[72] BENNETT, CARTER CRITTENDEN, US

[72] BILLINGTON, SCOTT, US

[72] HERING, STEVEN FRED, US

[71] INVERIS TRAINING SOLUTIONS, INC., US

[85] 2020-09-18

[86] 2019-03-18 (PCT/US2019/022797)

[87] (WO2019/182995)

[30] US (15/928,031) 2018-03-21

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[21] **3,094,398**
[13] A1

[51] **Int.Cl. G08B 13/18 (2006.01) H04W 12/08 (2009.01) H01Q 13/20 (2006.01) H04B 5/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETECTING PRESENCE WITHIN A STRICTLY DEFINED WIRELESS ZONE**

[54] **SYSTEME ET PROCEDE DE DETECTION DE PRESENCE DANS UNE ZONE SANS FIL STRICTEMENT DEFINIE**

[72] ROBERTSON, WILLIAM BENJAMIN, US

[72] MABILLARD, ROGER, CA

[72] CHENARD, JEAN-SAMUEL, CA

[72] BERNARD, XAVIER, CA

[72] STOLLER, CRAIG A., US

[71] SIMPELLO LLC, US

[85] 2020-09-18

[86] 2019-03-19 (PCT/US2019/022915)

[87] (WO2019/183053)

[30] US (62/644,844) 2018-03-19

[30] US (62/789,665) 2019-01-08

[21] **3,094,399**
[13] A1

[51] **Int.Cl. B65B 43/14 (2006.01) B65B 65/02 (2006.01)**

[25] EN

[54] **PACKAGING MACHINE WITH CARTON FEEDING SYSTEM**

[54] **MACHINE D'EMBALLAGE A SYSTEME D'ALIMENTATION EN CARTON**

[72] KARST, PETE, US

[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US

[85] 2020-09-17

[86] 2019-04-02 (PCT/US2019/025283)

[87] (WO2019/195210)

[30] US (62/653,129) 2018-04-05

[21] **3,094,400**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)**

[25] EN

[54] **A LEPTIN RECEPTOR AGONIST ANTIBODY FOR USE IN TREATING A METABOLIC DYSFUNCTION OR HYPOLEPTINEMIA**

[54] **ANTICORPS AGONISTE DU RECEPTEUR DE LA LEPTINE DESTINE A ETRE UTILISE DANS LE TRAITEMENT D'UN DYSFONCTIONNEMENT METABOLIQUE OU D'UNE HYPOLEPTINEMIE**

[72] GROMADA, JESPER, US

[72] STEVIS, PANAYIOTIS, US

[72] ALTAREJOS, JUDITH, US

[72] MURPHY, ANDREW J., US

[71] REGENERON PHARMACEUTICALS, INC., US

[85] 2020-09-16

[86] 2019-04-05 (PCT/US2019/026173)

[87] (WO2019/195796)

[30] US (62/653,731) 2018-04-06

[21] **3,094,401**
[13] A1

[51] **Int.Cl. C08F 4/14 (2006.01) C08F 110/14 (2006.01) C08F 210/14 (2006.01) C10G 50/02 (2006.01) C10M 107/10 (2006.01) C10M 171/02 (2006.01)**

[25] EN

[54] **SYNTHETIC FLUIDS WITH IMPROVED BIODEGRADABILITY**

[54] **FLUIDES SYNTHETIQUES A BIODEGRADABILITE AMELIOREE**

[72] BAGHERI, VAHID, US

[72] MOORE, LIONEL D., US

[72] SANCHEZ-RIVAS, MICHEL, BE

[71] INEOS OLIGOMERS USA LLC, US

[85] 2020-09-17

[86] 2019-04-02 (PCT/US2019/025456)

[87] (WO2019/212674)

[30] US (15/962,151) 2018-04-25

[21] **3,094,402**
[13] A1

[51] **Int.Cl. A61L 2/24 (2006.01) A61L 2/02 (2006.01) A61L 2/08 (2006.01) A61L 2/16 (2006.01) A61L 2/26 (2006.01) A61L 2/28 (2006.01)**

[25] EN

[54] **SYSTEMS FOR MONITORING AND CONTROLLING DISINFECTION**

[54] **SYSTEMES DE SURVEILLANCE ET DE CONTROLE DE DESINFECTION**

[72] MCDONALD, MURRAY, AU

[71] MOBILE UV INNOVATIONS PTY LTD, AU

[85] 2020-09-18

[86] 2019-03-20 (PCT/AU2019/050242)

[87] (WO2019/178639)

[30] AU (2018900910) 2018-03-20

[21] **3,094,403**
[13] A1

[51] **Int.Cl. A61B 5/022 (2006.01) A61B 8/04 (2006.01) A61B 8/08 (2006.01)**

[25] EN

[54] **TACTILE BLOOD PRESSURE IMAGER**

[54] **IMAGEUR TACTILE DE PRESSION ARTERIELLE**

[72] SRINIVASAN, MANDAYAM, A., US

[72] THANIKACHALAM, MOHAN, US

[72] ADELSON, EDWARD HOWARD, US

[72] BISWAS, ABHIJIT, IN

[71] TRUSTEES OF TUFTS COLLEGE, US

[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US

[85] 2020-09-17

[86] 2019-03-29 (PCT/US2019/025011)

[87] (WO2019/195120)

[30] US (62/652,180) 2018-04-03

[30] US (62/684,726) 2018-06-13

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[21] 3,094,404 [13] A1	[21] 3,094,405 [13] A1	[21] 3,094,406 [13] A1
[51] Int.Cl. C12N 1/04 (2006.01) A61K 9/19 (2006.01) A61K 39/02 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) A61K 47/42 (2017.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C12N 1/20 (2006.01)	[51] Int.Cl. A61K 9/107 (2006.01) A61K 33/243 (2019.01) A61K 31/136 (2006.01) A61K 31/167 (2006.01) A61K 31/19 (2006.01) A61K 31/4245 (2006.01) A61K 31/436 (2006.01) A61K 31/4745 (2006.01) A61K 31/519 (2006.01) A61K 31/675 (2006.01) A61K 31/704 (2006.01) A61K 39/395 (2006.01) A61K 49/00 (2006.01) A61K 51/04 (2006.01) A61P 37/02 (2006.01) C07C 53/128 (2006.01) C07C 225/36 (2006.01) C07C 259/06 (2006.01) C07D 271/08 (2006.01) C07D 475/08 (2006.01) C07D 491/22 (2006.01) C07D 498/18 (2006.01) C07F 9/6584 (2006.01)	[51] Int.Cl. A61K 39/385 (2006.01) A61K 41/00 (2020.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07C 323/41 (2006.01) C07D 207/40 (2006.01) C07D 211/88 (2006.01) C07H 15/04 (2006.01) C07H 15/10 (2006.01)
[25] EN	[25] EN	[25] EN
[54] A METHOD FOR LYOPHILIZING LIVE VACCINE STRAINS OF FRANCISELLA TULARENSIS	[54] METHODS AND COMPOSITIONS FOR TARGETED DELIVERY OF ACTIVE AGENTS AND IMMUNOMODULATORY AGENTS TO LYMPH NODES	[54] PRECISION GLYCOCONJUGATES AS THERAPEUTIC TOOLS
[54] PROCEDE DE LYOPHILISATION DE SOUCHES VACCINALES VIVANTE CONTRE FRANCISELLA TULARENSIS	[54] METHODES ET COMPOSITIONS POUR L'ADMINISTRATION CIBLEE D'AGENTS ACTIFS ET D'AGENTS IMMUNOMODULATEURS A DES GANGLIONS LYMPHATIQUES	[54] GLYCOCONJUGUES DE PRECISION EN TANT QU'OUTILS THERAPEUTIQUES
[72] CONLAN, WAYNE, CA	[72] RAJAGOPALAN, RAJKANNAN, CA	[72] SHIAO, TZE CHIEH, CA
[72] MCRAE, KEVAN, CA	[72] SAMMATUR, LEELADHAR, US	[72] ROY, RENE, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA	[72] STANFORD, MARIANNE, CA	[71] KORANEX CAPITAL, CA
[85] 2020-09-18	[72] TORREY, HEATHER, CA	[85] 2020-09-18
[86] 2019-03-20 (PCT/CA2019/050340)	[72] WEIR, GENEVIEVE, CA	[86] 2019-03-22 (PCT/CA2019/050353)
[87] (WO2019/178687)	[71] IMMUNOVACCINE TECHNOLOGIES INC., CA	[87] (WO2019/178699)
[30] US (62/645,409) 2018-03-20	[85] 2020-09-18	[30] US (62/647,151) 2018-03-23
	[86] 2019-03-18 (PCT/CA2019/050328)	
	[87] (WO2019/178677)	
	[30] US (62/645,249) 2018-03-20	
		[21] 3,094,407 [13] A1
		[51] Int.Cl. A47K 10/42 (2006.01)
		[25] EN
		[54] DISPENSER FOR SHEET PRODUCTS, PARTICULARLY NAPKINS
		[54] DISTRIBUTEUR POUR PRODUITS EN FEUILLES, EN PARTICULIER DES SERVIETTES
		[72] MCNULTY, PETER J., US
		[72] DEVLIN, JOHN P., US
		[72] MEKLER, JEFFREY S., US
		[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
		[85] 2020-09-18
		[86] 2018-03-19 (PCT/EP2018/056839)
		[87] (WO2019/179593)

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[21] **3,094,408**
[13] A1

[51] **Int.Cl. B65G 5/00 (2006.01) E21F 17/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COMPRESSED AIR ENERGY STORAGE**
[54] **SYSTEME ET PROCEDE POUR LE STOCKAGE D'ENERGIE D'AIR COMPRIME**
[72] BILAK, ROMAN A., CA
[72] DUSSEAULT, MAURICE B., CA
[71] CLEANTECH GEOMECHANICS INC., CA
[85] 2020-09-18
[86] 2019-03-19 (PCT/CA2019/050331)
[87] (WO2019/178679)
[30] US (62/644,696) 2018-03-19

[21] **3,094,409**
[13] A1

[51] **Int.Cl. C10G 53/14 (2006.01) B01D 53/48 (2006.01) B01D 53/86 (2006.01)**
[25] EN
[54] **ULTRASONIC OXIDATIVE DESULFURIZATION OF HEAVY FUEL OILS**
[54] **DESULFURATION OXYDATIVE ULTRASONORE D'HUILES LOURDES**
[72] PEREIRA ALMAO, PEDRO, CA
[72] SCOTT, CARLOS EDUARDO, CA
[72] CARBOGNANI, LANTE ANTONIO, CA
[71] INTERNATIONAL ULTRASONIC TECHNOLOGIES INC., CA
[85] 2020-09-18
[86] 2019-03-22 (PCT/CA2019/050360)
[87] (WO2019/178701)
[30] US (62/647,086) 2018-03-23

[21] **3,094,410**
[13] A1

[51] **Int.Cl. F17D 1/04 (2006.01) B60P 3/00 (2006.01) B60P 3/14 (2006.01) F17C 7/00 (2006.01) F17D 1/20 (2006.01) F17D 3/01 (2006.01) G05D 16/20 (2006.01) G05D 23/19 (2006.01)**
[25] EN
[54] **MOBILE LETDOWN STATION FOR NATURAL GAS SUPPLY**
[54] **STATION DE REGULATION MOBILE POUR ALIMENTATION EN GAZ NATUREL**
[72] KHALED, IMAD, CA
[72] TORRANCE, SCOTT, CA
[72] DUHRA, GAGAN, CA
[72] YIN, CHRISTOPHER, CA
[71] ATCO GAS AND PIPELINES LTD., CA
[85] 2020-09-18
[86] 2019-03-27 (PCT/CA2019/050382)
[87] (WO2019/183730)
[30] US (62/649,370) 2018-03-28

[21] **3,094,411**
[13] A1

[51] **Int.Cl. B65G 35/08 (2006.01) B65G 35/06 (2006.01)**
[25] EN
[54] **CONTINUOUSLY CIRCULATING CONTAINER CONVEYOR DEVICE IN A PACKAGING MACHINE**
[54] **DISPOSITIF DE TRANSPORT DE RECIPIENTS CIRCULANT SANS FIN DANS UNE MACHINE D'EMBALLAGE**
[72] STIEGLER, ACHIM, DE
[72] PILAT, MARCEL, DE
[72] GLUCK, MORITZ, DE
[72] GRAF, TIMO, DE
[72] KURR, DANIEL, DE
[72] VAAS, DANIEL, DE
[71] ERCA S.A.S., FR
[85] 2020-09-18
[86] 2019-03-20 (PCT/EP2019/000085)
[87] (WO2019/179657)
[30] DE (10 2018 002 280.4) 2018-03-20

[21] **3,094,412**
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01)**
[25] FR
[54] **SYSTEM FOR PREDICTING A PATIENT'S BLOOD GLUCOSE LEVEL**
[54] **SYSTEME DE PREDICTION DE LA GLYCEMIE D'UN PATIENT**
[72] ROMERO UGALDE, HECTOR-MANUEL, FR
[72] BONNET, STEPHANE, FR
[72] DORON, ELEONORE MAEVA, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2020-09-18
[86] 2019-03-06 (PCT/FR2019/050505)
[87] (WO2019/180341)
[30] FR (1852354) 2018-03-20

[21] **3,094,413**
[13] A1

[51] **Int.Cl. C12P 7/10 (2006.01) C12P 1/00 (2006.01) C12P 1/02 (2006.01) C12P 7/02 (2006.01) C12P 19/02 (2006.01) C12P 19/14 (2006.01) D21C 3/06 (2006.01)**
[25] EN
[54] **PRETREATMENT WITH LIGNOSULFONIC ACID**
[54] **PRETRAITEMENT AVEC DE L'ACIDE LIGNOSULFONIQUE**
[72] TOLAN, JEFFREY S., CA
[72] FOODY, BRIAN, CA
[72] MACDONALD, DANIEL G., CA
[71] IOGEN CORPORATION, CA
[85] 2020-09-18
[86] 2018-11-09 (PCT/CA2018/000214)
[87] (WO2019/191828)
[30] US (62/654,116) 2018-04-06

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[21] **3,094,414**
[13] A1

[51] **Int.Cl. C08G 18/67 (2006.01) C08G 18/10 (2006.01) C08G 18/42 (2006.01) C08G 18/75 (2006.01) C08L 75/16 (2006.01) C09J 175/16 (2006.01)**

[25] EN

[54] **CURABLE COMPOSITIONS FOR USE AS ADHESIVES HAVING PROPERTIES CAPABLE OF BEING ALTERED BASED ON EXTERNAL STIMULI AND METHODS OF MAKING AND USING THE SAME**

[54] **COMPOSITIONS DURCISSEES DESTINEES A ETRE UTILISEES EN TANT QU'ADHESIFS AYANT DES PROPRIETES POUVANT ETRE MODIFIEES SOUS L'EFFET DE STIMULI EXTERNES ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELLES-CI**

[72] SCHOLTE, JON, US
[72] ORILALL, MAHENDRA CHRISTOPHER, US
[72] KLANG, JEFFREY, US
[71] ARKEMA FRANCE, FR
[85] 2020-09-18
[86] 2019-02-26 (PCT/EP2019/054751)
[87] (WO2019/185260)
[30] US (62/650,584) 2018-03-30

[21] **3,094,415**
[13] A1

[51] **Int.Cl. E02D 5/00 (2006.01)**

[25] EN

[54] **A PILE FOR A WALL**

[54] **PIEU POUR UN MUR**

[72] KOIVURANTA, TAPANI, FI
[71] SSAB TECHNOLOGY AB, SE
[85] 2020-09-18
[86] 2019-03-12 (PCT/EP2019/056073)
[87] (WO2019/179812)
[30] EP (18163727.3) 2018-03-23

[21] **3,094,416**
[13] A1

[51] **Int.Cl. C12N 7/01 (2006.01) A61K 39/00 (2006.01) A61K 48/00 (2006.01) A61P 31/00 (2006.01) C12N 15/09 (2006.01)**

[25] EN

[54] **RECOMBINANT VIRUS CAPABLE OF STABLY EXPRESSING TARGET PROTEINS**

[54] **VIRUS RECOMBINANT CAPABLE D'EXPRIMER DE MANIERE STABLE DES PROTEINES CIBLES**

[72] MA, GUANGGANG, CN
[72] YUAN, SEN, CN
[71] BOEHRINGER INGELHEIM VETMEDICA (CHINA) CO., LTD., CN
[85] 2020-09-18
[86] 2019-03-14 (PCT/CN2019/078057)
[87] (WO2019/179345)
[30] CN (PCT/CN2018/079410) 2018-03-19

[21] **3,094,417**
[13] A1

[51] **Int.Cl. H02P 27/04 (2016.01) H02J 3/00 (2006.01) H02J 13/00 (2006.01)**

[25] EN

[54] **POWER CONTROL DEVICE**

[54] **DISPOSITIF DE COMMANDE DE PUISSANCE**

[72] JASMIN, SIMON, CA
[72] JASMIN, SIMON, CA
[71] SYSTEMEX-ENERGIES INC., CA
[85] 2020-09-18
[86] 2019-03-19 (PCT/CA2019/050335)
[87] (WO2019/178683)
[30] US (62/644,800) 2018-03-19

[21] **3,094,418**
[13] A1

[51] **Int.Cl. A61K 8/37 (2006.01) A61K 8/06 (2006.01) A61K 31/235 (2006.01) A61Q 15/00 (2006.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **RETINOL REPLACEMENT IN SKIN TREATMENT**

[54] **REMPLACEMENT DU RETINOL DANS LE TRAITEMENT DE LA PEAU**

[72] STUHLMANN, DOMINIK, DE
[72] WESELOH, ANN-CHRISTIN, DE
[72] TITZE, NICOLE, DE
[72] LANGE, SABINE, DE
[72] BRUNCKE, SEBASTIAN, DE
[72] JOIN, BENOIT, DE
[72] VIELHABER, GABRIELE, FR
[72] LE MAIRE, MARIELLE, FR
[72] BENAISSI, KARIMA, FR
[71] SYMRISE AG, DE
[85] 2020-09-18
[86] 2019-03-29 (PCT/EP2019/058097)
[87] (WO2019/185923)
[30] EP (PCT/EP2018/058113) 2018-03-29

[21] **3,094,419**
[13] A1

[51] **Int.Cl. A61F 5/058 (2006.01) B29C 64/153 (2017.01) A61B 5/107 (2006.01) G16H 10/00 (2018.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PREPARING HOLLOW CORE CRANIAL REMODELING ORTHOSES**

[54] **SYSTEME ET PROCEDE DE PREPARATION D'ORTHESES DE REMODELAGE CRANIEN A NOYAU CREUX**

[72] GOODNOUGH, JASON SHANE, CA
[71] HEADSTART MEDICAL LTD., CA
[85] 2020-09-18
[86] 2019-03-20 (PCT/CA2019/050338)
[87] (WO2019/178686)
[30] US (62/645,704) 2018-03-20
[30] US (62/678,221) 2018-05-30

PCT Applications Entering the National Phase

[21] **3,094,420**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/34 (2017.01) A61P 15/08 (2006.01) A61P 15/12 (2006.01)**

[25] EN

[54] **PROGESTERONE INTRAVAGINAL DEVICES**

[54] **DISPOSITIFS INTRAVAGINAUX A BASE DE PROGESTERONE**

[72] NIETO MAGRO, CONCEPCION, ES

[72] PEREZ HERNANDO, ELENA, ES

[72] MOSCOSO DEL PRADO, JAIME, ES

[72] SUAREZ ALMARZA, JAVIER, ES

[71] ITF RESEARCH PHARMA, S.L.U., ES

[85] 2020-09-18

[86] 2019-03-21 (PCT/EP2019/057074)

[87] (WO2019/180133)

[30] EP (18382190.9) 2018-03-21

[21] **3,094,421**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/08 (2006.01) A61B 5/0205 (2006.01) A61B 5/024 (2006.01) A61B 5/0402 (2006.01)**

[25] EN

[54] **A METHOD AND A SYSTEM FOR DETECTING A RESPIRATORY EVENT OF A SUBJECT AND A METHOD FOR FORMING A MODEL FOR DETECTING A RESPIRATORY EVENT**

[54] **PROCEDE ET SYSTEME DE DETECTION D'UN EVENEMENT RESPIRATOIRE D'UN SUJET ET PROCEDE DE FORMATION D'UN MODELE POUR DETECTER UN EVENEMENT RESPIRATOIRE**

[72] GROENENDAAL, WILLEMIJN, BE

[72] DESCHRIJVER, DIRK, BE

[72] RUYSSINCK, JOERI, BE

[72] VAN STEENKISTE, TOM, BE

[71] ONERA TECHNOLOGIES B.V., NL

[85] 2020-09-18

[86] 2019-03-13 (PCT/EP2019/056222)

[87] (WO2019/179836)

[30] EP (18162591.4) 2018-03-19

[21] **3,094,422**
[13] A1

[51] **Int.Cl. H05H 9/00 (2006.01) H05H 7/00 (2006.01)**

[25] EN

[54] **BEAM ENERGY MEASUREMENT SYSTEM**

[54] **SYSTEME DE MESURE D'ENERGIE DE FAISCEAU**

[72] CALDARA, MICHELE, CH

[72] GALIZZI, FRANCESCO, IT

[72] JEFF, ADAM, FR

[71] ADAM S.A., CH

[71] UNIVERSITA' DEGLI STUDI DI BERGAMO, IT

[85] 2020-09-18

[86] 2019-04-12 (PCT/EP2019/059376)

[87] (WO2019/197593)

[30] EP (18167210.6) 2018-04-13

[21] **3,094,423**
[13] A1

[51] **Int.Cl. B01F 5/04 (2006.01) B01F 3/04 (2006.01) B01F 3/08 (2006.01) B01F 5/02 (2006.01) B01F 5/10 (2006.01) B01F 13/10 (2006.01)**

[25] EN

[54] **APPARATUS AND ARRANGEMENT FOR INTRODUCING A GAS INTO A MAIN MEDIUM IN PARTICULAR IN WASTE WATER TREATMENT**

[54] **APPAREIL ET AGENCEMENT POUR INTRODUIRE UN GAZ DANS UN MILIEU PRINCIPAL, EN PARTICULIER DANS UN TRAITEMENT D'EAUX USEES**

[72] SCHWERDT, JOERG, DE

[72] MANTE, JAN, DE

[71] L'AIR LIQUIDE-SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR

[85] 2020-09-18

[86] 2019-03-19 (PCT/EP2019/056825)

[87] (WO2019/185400)

[30] EP (18164592.0) 2018-03-28

[21] **3,094,426**
[13] A1

[51] **Int.Cl. B21C 51/00 (2006.01) G06K 19/06 (2006.01)**

[25] EN

[54] **COIL MADE OF A COILED METAL STRIP HAVING A MARKING, AND USE OF SAID MARKING**

[54] **BOBINE COMPOSEE D'UNE BANDE METALLIQUE BOBINEE, A MARQUAGE ET UTILISATION DUDIT MARQUAGE**

[72] AUMAYR, WERNER, AT

[71] AUSTRIA METALL GMBH, AT

[85] 2020-09-18

[86] 2019-03-22 (PCT/EP2019/057339)

[87] (WO2019/180258)

[30] EP (18163493.2) 2018-03-22

[30] EP (19156796.5) 2019-02-12

[30] EP (19159835.8) 2019-02-27

[21] **3,094,427**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01) B25J 13/00 (2006.01)**

[25] EN

[54] **INFORMATION PROCESSING DEVICE AND INFORMATION PROCESSING METHOD**

[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT D'INFORMATIONS**

[72] KIMURA, TOMOYA, JP

[71] SONY CORPORATION, JP

[85] 2020-09-18

[86] 2019-01-23 (PCT/JP2019/001989)

[87] (WO2019/187548)

[30] JP (2018-057898) 2018-03-26

Demandes PCT entrant en phase nationale

[21] **3,094,428**
[13] A1

[51] **Int.Cl. H05H 7/02 (2006.01) H05H 9/04 (2006.01)**

[25] EN

[54] **A VARIABLE-ENERGY PROTON LINEAR ACCELERATOR SYSTEM AND A METHOD OF OPERATING A PROTON BEAM SUITABLE FOR IRRADIATING TISSUE**

[54] **SYSTEME D'ACCELERATEUR LINEAIRE A PROTONS A ENERGIE VARIABLE ET PROCEDE DE FONCTIONNEMENT D'UN FAISCEAU DE PROTONS APPROPRIE POUR IRRADIER UN TISSU**

[72] DE MICHELE, GIOVANNI, NL

[71] ADAM S.A., CH

[85] 2020-09-18

[86] 2019-04-24 (PCT/EP2019/060469)

[87] (WO2019/206967)

[30] EP (18169362.3) 2018-04-25

[21] **3,094,429**
[13] A1

[51] **Int.Cl. E21B 17/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/12 (2006.01) C22C 38/18 (2006.01) C22C 38/22 (2006.01) C22C 38/24 (2006.01)**

[25] EN

[54] **LOW TEMPERATURE RESISTANT OIL CASING WITH HIGH STRENGTH AND HIGH TOUGHNESS, AND MANUFACTURING METHOD THEREOF**

[54] **CARTER D'HUILE RESISTANT A BASSE TEMPERATURE PRESENTANT UNE RESISTANCE ELEVEE ET UNE TENACITE ELEVEE, ET SON PROCEDE DE FABRICATION**

[72] SUN, WEN, CN

[72] ZHANG, ZHONGHUA, CN

[72] DONG, XIAOMING, CN

[71] BAOSHAN IRON & STEEL CO., LTD., CN

[85] 2020-09-18

[86] 2019-03-14 (PCT/CN2019/078163)

[87] (WO2019/179354)

[30] CN (201810234656.8) 2018-03-21

[21] **3,094,430**
[13] A1

[51] **Int.Cl. C04B 35/626 (2006.01) C01B 32/956 (2017.01) C01B 21/064 (2006.01) C04B 35/565 (2006.01) C04B 35/628 (2006.01) C08K 3/14 (2006.01) C08K 3/38 (2006.01) C08K 9/02 (2006.01) C08K 9/12 (2006.01) C08L 101/02 (2006.01) C08L 101/06 (2006.01)**

[25] EN

[54] **DISPERSION FOR SILICON CARBIDE SINTERED BODY, GREEN SHEET FOR SILICON CARBIDE SINTERED BODY AND PREPREG MATERIAL FOR SILICON CARBIDE SINTERED BODY USING THE SAME, AND MANUFACTURING METHOD THEREOF**

[54] **DISPERSION POUR CORPS FRITTE EN CARBURE DE SILICIUM, FEUILLE CRUE POUR CORPS FRITTE EN CARBURE DE SILICIUM ET MATERIAU PREIMPREGNE POUR CORPS FRITTE EN CARBURE DE SILICIUM L'UTILISANT, ET SON PROCEDE DE PRODUCTION**

[72] KAMOSHIDA, KEIGO, JP

[72] TAGUCHI, SOUMA, JP

[72] ASHITAKA, KEIJI, JP

[72] MIWA, NAOYA, JP

[71] FUJIMI INCORPORATED, JP

[85] 2020-09-18

[86] 2019-03-26 (PCT/JP2019/012991)

[87] (WO2019/189254)

[30] JP (2018-069109) 2018-03-30

[30] JP (2018-069128) 2018-03-30

[21] **3,094,431**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/10 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 47/20 (2006.01) A61K 47/26 (2006.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION INCLUDING SODIUM ALKYL SULFATE**

[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DU SULFATE D'ALKYLE DE SODIUM**

[72] KUSUMOTO, KENJI, JP

[72] MIYAMURA, SADAHIRO, JP

[71] TAIHO PHARMACEUTICAL CO., LTD., JP

[85] 2020-09-18

[86] 2019-03-18 (PCT/JP2019/011251)

[87] (WO2019/181876)

[30] JP (2018-051620) 2018-03-19

[21] **3,094,432**
[13] A1

[51] **Int.Cl. E05B 47/06 (2006.01) E05B 1/00 (2006.01) E05B 13/00 (2006.01)**

[25] EN

[54] **BLOCKING MECHANISM FOR A HANDLE ARRANGEMENT**

[54] **MECANISME DE BLOCAGE POUR AGENCEMENT DE POIGNEE**

[72] CALLEBERG, JOHAN, SE

[71] INDUSTRILAS I NASSJO AB, SE

[85] 2020-09-18

[86] 2019-03-25 (PCT/EP2019/057434)

[87] (WO2019/185545)

[30] EP (18163927.9) 2018-03-26

PCT Applications Entering the National Phase

[21] **3,094,433**
[13] A1

[51] **Int.Cl. H02J 3/38 (2006.01)**
[25] EN
[54] **SMART METER, SYSTEM INCLUDING SAME, AND METHOD FOR CONTROLLING SMART METER**
[54] **COMPTEUR INTELLIGENT, SYSTEME LE COMPRENANT, ET PROCEDE DE COMMANDE DE COMPTEUR INTELLIGENT**
[72] KIM, MIN SOO, KR
[71] NURIFLEX INC., US
[71] NURI TELECOM CO., LTD., KR
[85] 2020-09-18
[86] 2018-03-21 (PCT/KR2018/003288)
[87] (WO2019/182174)
[30] KR (10-2018-0032392) 2018-03-21

[21] **3,094,434**
[13] A1

[51] **Int.Cl. B65D 6/34 (2006.01) B65D 6/38 (2006.01)**
[25] FR
[54] **METAL BOX BODY COMPRISING A REINFORCING MOULDING**
[54] **UN CORPS DE BOITE METALLIQUE COMPORTANT UNE MOULURE DE RIGIDIFICATION**
[72] NIEC, PHILIPPE, FR
[71] TRIVIUM PACKAGING GROUP NETHERLANDS B.V., NL
[85] 2020-09-17
[86] 2019-04-09 (PCT/EP2019/058972)
[87] (WO2019/197411)
[30] FR (1853181) 2018-04-11

[21] **3,094,435**
[13] A1

[51] **Int.Cl. A01K 5/01 (2006.01) A01K 1/03 (2006.01)**
[25] FR
[54] **DEVICE FOR TRACKING THE CONSUMPTION OF FOODSTUFFS BY AN ANIMAL SUCH AS A MAMMAL, FOR EXAMPLE A CAT**
[54] **DISPOSITIF DE SUIVI DE LA CONSOMMATION D'ALIMENTS PAR UN ANIMAL TEL QU'UN MAMMIFERE, PAR EXEMPLE UN CHAT**
[72] BECQUES, AURELIE, FR
[72] MEHINAGIC, EMIRA, FR
[72] LE TOUX, MARIE, FR
[71] SPECIALITES PET FOOD, FR
[85] 2020-09-17
[86] 2019-04-16 (PCT/EP2019/059814)
[87] (WO2019/201927)
[30] FR (1853299) 2018-04-16

[21] **3,094,437**
[13] A1

[51] **Int.Cl. H05H 9/04 (2006.01) A61N 5/10 (2006.01) H05H 7/02 (2006.01) H05H 7/22 (2006.01)**
[25] EN
[54] **A PROTON LINEAR ACCELERATOR SYSTEM FOR IRRADIATING TISSUE WITH TWO OR MORE RF SOURCES**
[54] **SYSTEME D'ACCELERATEUR LINEAIRE DE PROTONS PERMETTANT D'EXPOSER UN TISSU A UN RAYONNEMENT A L'AIDE D'AU MOINS DEUX SOURCES RF**
[72] NAVARRO-QUIRANTE, JOSE LUIS, NL
[72] IVANISENKO, YEVGENIY, NL
[71] ADAM S.A., CH
[85] 2020-09-18
[86] 2019-04-24 (PCT/EP2019/060471)
[87] (WO2019/206969)
[30] EP (18169363.1) 2018-04-25

[21] **3,094,438**
[13] A1

[51] **Int.Cl. G06Q 20/06 (2012.01) G06Q 20/32 (2012.01) G06Q 20/36 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **TRANSACTION SYSTEM AND TRANSACTION METHOD**
[54] **SYSTEME DE TRANSACTION ET PROCEDE DE TRANSACTION**
[72] KIM, MIN SOO, KR
[71] NURIFLEX INC., US
[71] NURI TELECOM CO., LTD., KR
[85] 2020-09-18
[86] 2018-03-26 (PCT/KR2018/003518)
[87] (WO2019/189948)
[30] KR (10-2018-0034236) 2018-03-26

[21] **3,094,439**
[13] A1

[51] **Int.Cl. H04N 19/105 (2014.01) H04N 19/137 (2014.01) H04N 19/172 (2014.01) H04N 19/593 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE USING GEOMETRICALLY MODIFIED REFERENCE PICTURE**
[54] **PROCEDE ET APPAREIL POUR CODER/DECODER UNE IMAGE A L'AIDE D'UNE IMAGE DE REFERENCE GEOMETRIQUEMENT MODIFIEE**
[72] KANG, JUNG WON, KR
[72] LEE, HA HYUN, KR
[72] LIM, SUNG CHANG, KR
[72] LEE, JIN HO, KR
[72] KIM, HUI YONG, KR
[72] PARK, GWANG HOON, KR
[72] KIM, TAE HYUN, KR
[72] LEE, DAE YOUNG, KR
[71] UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY, KR
[85] 2020-09-18
[86] 2019-03-18 (PCT/KR2019/003129)
[87] (WO2019/182312)
[30] KR (10-2018-0031401) 2018-03-19
[30] KR (10-2018-0031402) 2018-03-19
[30] KR (10-2018-0031403) 2018-03-19

Demandes PCT entrant en phase nationale

[21] **3,094,440**
[13] A1

[51] **Int.Cl. A61B 3/11 (2006.01) A61B 3/06 (2006.01) A61B 3/14 (2006.01)**

[25] EN

[54] **BIOMARKER OF THE COLOUR PERCEPTION OF A MAMMAL SUBJECT BASED ON PUPIL FREQUENCY TAGGING**

[54] **BIOMARQUEUR DE LA PERCEPTION DES COULEURS CHEZ UN SUJET MAMMIFERE BASE SUR LE MARQUAGE FREQUENTIEL DE LA PUPILLE**

[72] POUGET, PIERRE, FR

[72] DAYE, PIERRE, BE

[72] LORENCEAU, JEAN, FR

[71] INSTITUT DU CERVEAU ET DE LA MOELLE EPINIÈRE (ICM), FR

[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR

[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR

[71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS (AP-HP), FR

[71] SORBONNE UNIVERSITE, FR

[85] 2020-09-18

[86] 2018-03-29 (PCT/EP2018/058119)

[87] (WO2018/178257)

[30] FR (1752812) 2017-03-31

[21] **3,094,441**
[13] A1

[51] **Int.Cl. D04H 3/011 (2012.01) D04H 3/016 (2012.01) D06C 15/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING POLYESTER NONWOVEN FABRIC WITH IMPROVED IMPREGNATION PROPERTY OF FABRIC SOFTENER**

[54] **PROCEDE DE PRODUCTION D'UN TISSU NON TISSE EN POLYESTER PRESENTANT UNE PROPRIETE D'IMPREGNATION AMELIOREE D'ADOUCISSANT TEXTILE**

[72] PARK, YOUNG-SHIN, KR

[72] LEE, MIN-HO, KR

[72] CHO, HEE-JUNG, KR

[72] CHOI, WOO-SEOK, KR

[72] JANG, JUNG-SOON, KR

[71] KOLON INDUSTRIES, INC., KR

[85] 2020-09-18

[86] 2019-03-19 (PCT/KR2019/003156)

[87] (WO2019/190109)

[30] KR (10-2018-0035891) 2018-03-28

[21] **3,094,444**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 31/573 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **ANTI-VEGFR-2 ANTIBODY**

[54] **ANTICORPS ANTI-VEGFR-2**

[72] LEE, WEON-SUP, KR

[72] LEE, SEON-YOUNG, KR

[72] YOO, JIN-SAN, KR

[71] PHARMABCINE INC., KR

[85] 2020-09-18

[86] 2019-03-19 (PCT/KR2019/003198)

[87] (WO2019/182333)

[30] KR (10-2018-0031677) 2018-03-19

[21] **3,094,445**
[13] A1

[51] **Int.Cl. A61K 31/19 (2006.01) A61K 31/14 (2006.01) A61K 47/10 (2017.01) A61P 17/00 (2006.01)**

[25] EN

[54] **IONIC LIQUID COMPOSITIONS FOR TREATMENT OF ROSACEA**

[54] **COMPOSITIONS DE LIQUIDE IONIQUE POUR LE TRAITEMENT DE LA ROSACEE**

[72] JOSHI, NITIN, US

[72] HALL, KEITH, US

[72] NAVA-SELGADO, VICTOR O., US

[72] SHEVACHMAN, MARINA, US

[71] CAGE BIO INC., US

[85] 2020-09-18

[86] 2019-03-19 (PCT/US2019/023032)

[87] (WO2019/183142)

[30] US (62/644,921) 2018-03-19

[30] US (62/800,280) 2019-02-01

[21] **3,094,446**
[13] A1

[51] **Int.Cl. H04W 74/00 (2009.01)**

[25] EN

[54] **TRANSMISSION METHOD AND DEVICE, COMPUTER READABLE STORAGE MEDIUM**

[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION, ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR**

[72] LIU, KUN, CN

[72] DAI, BO, CN

[72] FANG, HUIYING, CN

[72] YANG, WEIWEI, CN

[71] ZTE CORPORATION, CN

[85] 2020-09-18

[86] 2019-04-03 (PCT/CN2019/081333)

[87] (WO2019/192541)

[30] CN (201810300467.6) 2018-04-04

[21] **3,094,448**
[13] A1

[51] **Int.Cl. C07D 493/22 (2006.01) A61K 31/7048 (2006.01) A61P 33/00 (2006.01) C07H 17/08 (2006.01)**

[25] EN

[54] **A NOVEL FORM OF IVERMECTIN AND A PROCESS FOR MAKING IT**

[54] **NOUVELLE FORME D'IVERMECTINE ET PROCEDE DE FABRICATION ASSOCIE**

[72] SILVA, SERGIO, PT

[71] HOVIONE SCIENTIA LIMITED, IE

[85] 2020-09-18

[86] 2019-03-19 (PCT/GB2019/050760)

[87] (WO2019/180417)

[30] PT (110634) 2018-03-19

PCT Applications Entering the National Phase

[21] **3,094,449**
[13] A1

[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/407 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**

[25] EN

[54] **COMBINATION PRODUCT OF BCL-2 INHIBITOR AND MDM2 INHIBITOR AND USE THEREOF IN THE PREVENTION AND/OR TREATMENT OF DISEASES**

[54] **PRODUIT DE COMBINAISON D'INHIBITEUR DE BCL -2 ET D'INHIBITEUR DE MDM2, ET UTILISATION DE CE DERNIER DANS LA PREVENTION ET/OU LE TRAITEMENT DE MALADIES**

[72] YANG, DAJUN, CN
[72] ZHAI, YIFAN, CN
[72] TANG, QIUQIONG, CN
[72] FANG, DOUGLAS DONG, CN
[71] ASCENTAGE PHARMA (SUZHOU) CO., LTD., CN

[85] 2020-09-18
[86] 2019-07-22 (PCT/CN2019/096968)
[87] (WO2020/024820)
[30] CN (201810862170.9) 2018-07-31

[21] **3,094,450**
[13] A1

[51] **Int.Cl. E04G 7/22 (2006.01)**

[25] EN

[54] **A STRUCTURAL SUPPORT SYSTEM AND A METHOD FOR PROVIDING A NODE SECTION FOR USE IN A STRUCTURAL SUPPORT SYSTEM**

[54] **SYSTEME DE SUPPORT STRUCTUREL ET PROCEDE DE FOURNITURE D'UNE SECTION NŒUD A UTILISER DANS UN SYSTEME DE SUPPORT STRUCTUREL**

[72] BRATLAND, MAGNE, NO
[72] FRITZOE, STEVEN, NO
[71] FRICO AS, NO

[85] 2020-09-18
[86] 2019-03-20 (PCT/NO2019/050060)
[87] (WO2019/182457)
[30] NO (20180392) 2018-03-20

[21] **3,094,451**
[13] A1

[51] **Int.Cl. C07C 67/055 (2006.01) C01B 32/50 (2017.01) C07C 5/48 (2006.01) C07C 11/04 (2006.01) C07C 69/15 (2006.01)**

[25] EN

[54] **PROCESS TO PRODUCE ETHYLENE AND VINYL ACETATE MONOMER AND DERIVATIVES THEREOF**

[54] **PROCEDE DE PRODUCTION D'ETHYLENE ET DE MONOMERE D'ACETATE DE VINYLE ET DE LEURS DERIVES**

[72] GENT, DAVID, CA
[72] GOODARZANIA, SHAHIN, CA
[72] SIMANZHENKOV, VASILY, CA
[72] SERHAL, KAMAL, CA
[72] ENNIS, CLAIRE, CA
[72] LADD, ROBERT, CA
[71] NOVA CHEMICALS CORPORATION, CA

[85] 2020-08-18
[86] 2019-03-08 (PCT/IB2019/051919)
[87] (WO2019/175732)
[30] US (62/642,265) 2018-03-13
[30] US (62/741,705) 2018-10-05
[30] US (62/743,775) 2018-10-10

[21] **3,094,452**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/00 (2006.01) A61P 35/00 (2006.01) C07D 233/56 (2006.01) C07D 403/12 (2006.01)**

[25] EN

[54] **COMBINATION PRODUCT OF BCL-2 INHIBITOR OR BCL-2/BCL-XL DUAL INHIBITOR AND BTK INHIBITOR AND USE THEREOF IN THE PREVENTION AND/OR TREATMENT OF DISEASES**

[54] **PRODUIT DE COMBINAISON D'UN INHIBITEUR DE BCL-2 OU D'UN INHIBITEUR DOUBLE DE BCL-2/BCL-XL ET D'UN INHIBITEUR DE BTK ET SON UTILISATION DANS LA PREVENTION ET/OU LE TRAITEMENT DE MALADIES**

[72] YANG, DAJUN, CN
[72] ZHAI, YIFAN, CN
[72] FANG, DOUGLAS DONG, CN
[72] WANG, GUANGFENG, CN
[72] ZHAI, GUOQIN, CN
[71] ASCENTAGE PHARMA (SUZHOU) CO., LTD., CN

[85] 2020-09-18
[86] 2019-07-30 (PCT/CN2019/098252)
[87] (WO2020/024916)
[30] CN (201810867251.8) 2018-07-31

Demandes PCT entrant en phase nationale

[21] 3,094,453 [13] A1	[21] 3,094,456 [13] A1	[21] 3,094,458 [13] A1
<p>[51] Int.Cl. A61K 31/495 (2006.01) A61K 47/64 (2017.01) A61K 9/14 (2006.01) A61K 31/175 (2006.01) A61K 31/407 (2006.01) A61K 31/436 (2006.01) A61K 39/395 (2006.01) A61K 47/42 (2017.01) A61P 25/08 (2006.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF TREATING CENTRAL NERVOUS SYSTEM DISORDERS VIA ADMINISTRATION OF NANOPARTICLES OF AN MTOR INHIBITOR AND AN ALBUMIN</p> <p>[54] METHODES DE TRAITEMENT DE TROUBLES DU SYSTEME NERVEUX CENTRAL PAR L'INTERMEDIAIRE DE L'ADMINISTRATION DE NANOPARTICULES D'UN INHIBITEUR DE MTOR ET D'UNE ALBUMINE</p> <p>[72] DESAI, NEIL P., US</p> <p>[72] HOU, SHIHE, US</p> <p>[71] ABRAXIS BIOSCIENCE, LLC, US</p> <p>[85] 2020-09-18</p> <p>[86] 2019-03-19 (PCT/US2019/023037)</p> <p>[87] (WO2019/183146)</p> <p>[30] US (62/645,634) 2018-03-20</p> <p>[30] US (62/815,346) 2019-03-07</p>	<p>[51] Int.Cl. G21G 1/00 (2006.01) A61M 5/00 (2006.01) G01T 1/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND TECHNIQUES FOR CALIBRATING RADIOISOTOPE DELIVERY SYSTEMS WITH A GAMMA DETECTOR</p> <p>[54] SYSTEMES ET TECHNIQUES D'ETALONNAGE DES SYSTEMES DE DISTRIBUTION DE RADIO-ISOTOPES A L'AIDE D'UN DETECTEUR GAMMA</p> <p>[72] NUNN, ADRIAN, US</p> <p>[71] BRACCO DIAGNOSTICS INC., US</p> <p>[85] 2020-09-18</p> <p>[86] 2019-03-28 (PCT/US2019/024512)</p> <p>[87] (WO2019/191384)</p> <p>[30] US (62/649,368) 2018-03-28</p>	<p>[51] Int.Cl. A61K 38/46 (2006.01) C12N 15/113 (2010.01) A61P 31/00 (2006.01) C12N 9/22 (2006.01)</p> <p>[25] EN</p> <p>[54] TREATING & PREVENTING MICROBIAL INFECTIONS</p> <p>[54] TRAITEMENT ET PREVENTION DES INFECTIONS MICROBIENNES</p> <p>[72] SOMMER, MORTEN, DK</p> <p>[72] MARTINEZ, VIRGINIA, DK</p> <p>[72] VAN DER HELM, ERIC, DK</p> <p>[72] HAABER, JAKOB KRAUSE, DK</p> <p>[72] DE SANTIAGO TORIO, ANA, DK</p> <p>[72] GRONDAHL, CHRISTIAN, DK</p> <p>[72] CLUBE, JASPER, DK</p> <p>[71] SNIPR BIOME APS., DK</p> <p>[85] 2020-09-18</p> <p>[86] 2019-03-25 (PCT/EP2019/057453)</p> <p>[87] (WO2019/185551)</p> <p>[30] GB (1804781.1) 2018-03-25</p> <p>[30] GB (1806976.5) 2018-04-28</p> <p>[30] US (15/967,484) 2018-04-30</p>
[21] 3,094,454 [13] A1	[21] 3,094,457 [13] A1	[21] 3,094,459 [13] A1
<p>[51] Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61F 2/24 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICE AND METHOD FOR TRANSSEPTAL PUNCTURE</p> <p>[54] DISPOSITIF ET PROCEDE DE PONCTION TRANSSEPTALE</p> <p>[72] GAMMIE, JAMES, US</p> <p>[72] QUINN, RACHAEL, US</p> <p>[72] PASRIJA, CHETAN, US</p> <p>[71] UNIVERSITY OF MARYLAND, BALTIMORE, US</p> <p>[71] UNIVERSITY OF MARYLAND MEDICAL SYSTEM LLC, US</p> <p>[85] 2020-09-18</p> <p>[86] 2018-03-22 (PCT/US2018/023800)</p> <p>[87] (WO2018/175743)</p> <p>[30] US (62/474,939) 2017-03-22</p> <p>[30] US (62/580,165) 2017-11-01</p>	<p>[51] Int.Cl. H01Q 3/34 (2006.01) H01Q 3/26 (2006.01) H01Q 21/00 (2006.01) H01Q 23/00 (2006.01) H04B 7/06 (2006.01)</p> <p>[25] EN</p> <p>[54] CIRCUIT ARCHITECTURE FOR DISTRIBUTED MULTIPLEXED CONTROL AND ELEMENT SIGNALS FOR PHASED ARRAY ANTENNA</p> <p>[54] ARCHITECTURE DE CIRCUIT POUR COMMANDE MULTIPLEXEE DISTRIBUEE ET SIGNAUX D'ELEMENTS POUR ANTENNE RESEAU A COMMANDE DE PHASE</p> <p>[72] BUER, KENNETH V., US</p> <p>[72] LIPTON, RONALD S., US</p> <p>[72] TRIPATHI, ASHITKUMAR J., US</p> <p>[71] VIASAT, INC., US</p> <p>[85] 2020-09-18</p> <p>[86] 2018-12-20 (PCT/US2018/066900)</p> <p>[87] (WO2019/190606)</p> <p>[30] US (62/648,527) 2018-03-27</p> <p>[30] US (16/123,582) 2018-09-06</p>	<p>[51] Int.Cl. F28F 9/02 (2006.01) F16J 15/02 (2006.01) F28D 7/16 (2006.01) F28F 27/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HEAT EXCHANGER CLOSURE ASSEMBLIES AND METHODS OF USING AND INSTALLING THE SAME</p> <p>[54] ENSEMBLES DE FERMETURE D'ECHANGEUR DE CHALEUR ET D'INSTALLATION DE CES DERNIERS</p> <p>[72] JIBB, RICHARD, US</p> <p>[72] JAYE, TREVOR, US</p> <p>[72] BOEKHOUDER, HENK, NL</p> <p>[72] GROPPI, ROBERT, US</p> <p>[72] BRIGNONE, VINCENZO MARCO, NL</p> <p>[72] EBERLY, RANDY, US</p> <p>[72] CREECH, DAVID, US</p> <p>[72] MEACHAM, ELIZABETH, US</p> <p>[71] LUMMUS TECHNOLOGY INC., US</p> <p>[85] 2020-09-18</p> <p>[86] 2019-03-20 (PCT/US2019/023097)</p> <p>[87] (WO2019/183176)</p> <p>[30] US (62/645,662) 2018-03-20</p>

PCT Applications Entering the National Phase

[21] **3,094,460**
[13] A1

[51] **Int.Cl. B02C 25/00 (2006.01) G05B 19/042 (2006.01)**
[25] EN
[54] **OBJECTIVE FUNCTION FOR AUTOMATIC CONTROL OF A MINERAL ORE GRINDING CIRCUIT**
[54] **FONCTION OBJECTIF POUR LA COMMANDE AUTOMATIQUE D'UN CIRCUIT DE BROYAGE DE MINERAI**
[72] MARON, ROBERT J., US
[72] SEPULVEDA, JAIME, CL
[71] CIDRA CORPORATE SERVICES LLC, US
[85] 2020-09-18
[86] 2019-03-19 (PCT/US2019/022943)
[87] (WO2019/183073)
[30] US (62/644,672) 2018-03-19

[21] **3,094,461**
[13] A1

[51] **Int.Cl. C08F 2/34 (2006.01) C08F 4/6592 (2006.01) C08F 210/16 (2006.01) C08F 10/02 (2006.01)**
[25] EN
[54] **METHODS FOR ADJUSTING A POLYMER PROPERTY**
[54] **PROCEDES D'AJUSTEMENT D'UNE PROPRIETE D'UN POLYMERE**
[72] SZUL, JOHN F., US
[72] MARKEL, E. J., US
[72] PEQUENO, R. ERIC, US
[72] SAVATSKY, BRUCE J., US
[71] UNIVATION TECHNOLOGIES, LLC, US
[85] 2020-09-18
[86] 2019-03-20 (PCT/US2019/023107)
[87] (WO2019/190848)
[30] US (62/649,031) 2018-03-28

[21] **3,094,462**
[13] A1

[51] **Int.Cl. G05B 19/048 (2006.01) H04L 12/70 (2013.01) G05B 19/418 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **CONVEYOR SYSTEM CONTROLLER, CONVEYOR SYSTEM AND METHOD OF DATA SYNCHRONISATION**
[54] **DISPOSITIF DE COMMANDE DE SYSTEME DE TRANSPORTEUR, SYSTEME DE TRANSPORTEUR ET PROCEDE DE SYNCHRONISATION DE DONNEES**
[72] GEORG, INGO, DE
[72] LUNDIN, ROLAND, SE
[71] EWAB ENGINEERING AB, SE
[85] 2020-09-18
[86] 2019-03-26 (PCT/EP2019/057518)
[87] (WO2019/185590)
[30] EP (18163988.1) 2018-03-26

[21] **3,094,463**
[13] A1

[51] **Int.Cl. G21G 1/00 (2006.01) A61M 5/00 (2006.01) G01T 1/00 (2006.01)**
[25] EN
[54] **EARLY DETECTION OF RADIOISOTOPE GENERATOR END LIFE**
[54] **DETECTION PRECOCE DE LA DUREE DE VIE D'UN GENERATEUR DE RADIO-ISOTOPES**
[72] NUNN, ADRIAN, US
[71] BRACCO DIAGNOSTICS INC., US
[85] 2020-09-18
[86] 2019-03-28 (PCT/US2019/024515)
[87] (WO2019/191386)
[30] US (62/649,556) 2018-03-28

[21] **3,094,464**
[13] A1

[51] **Int.Cl. A61B 17/221 (2006.01)**
[25] EN
[54] **THROMBECTOMY DEVICE**
[54] **DISPOSITIF DE THROMBECTOMIE**
[72] BHOGAL, PERVINDER, GB
[72] HENKES, HANS, DE
[72] MONSTADT, HERMANN, DE
[72] HANNES, RALF, DE
[71] PHENOX GMBH, DE
[85] 2020-09-09
[86] 2019-03-06 (PCT/EP2019/055543)
[87] (WO2019/174988)
[30] DE (10 2018 105 671.0) 2018-03-12

[21] **3,094,465**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 7/00 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **VIRUS VECTORS FOR TARGETING OPHTHALMIC TISSUES**
[54] **VECTEURS DE VIRUS PERMETTANT DE CIBLER DES TISSUS OPHTALMIQUES**
[72] MCCOY, DANIEL, US
[72] BERRY, GARRETT E., US
[71] STRIDEBIO, INC., US
[85] 2020-09-18
[86] 2019-04-03 (PCT/US2019/025584)
[87] (WO2019/195423)
[30] US (62/652,108) 2018-04-03

[21] **3,094,466**
[13] A1

[51] **Int.Cl. C08F 220/56 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING ANIONIC POLYMERS AND USE AS RESISTANCE AGENTS IN A PAPER-MAKING METHOD**
[54] **PROCEDE DE FABRICATION DE POLYMERES ANIONIQUES ET UTILISATION COMME AGENTS DE RESISTANCE DANS UN PROCEDE PAPIETIER**
[72] HUND, RENE, FR
[72] BARRIERE, CYRIL, FR
[72] OLIVIER, REMI, FR
[71] S.P.C.M. SA, FR
[85] 2020-09-18
[86] 2019-03-29 (PCT/EP2019/057978)
[87] (WO2019/185858)
[30] FR (1852813) 2018-03-30

Demandes PCT entrant en phase nationale

[21] **3,094,467**
[13] A1

[51] **Int.Cl. G01N 21/85 (2006.01) G01N 11/08 (2006.01) G01N 15/14 (2006.01)**

[25] EN

[54] **ADVANCED BIOPHYSICAL AND BIOCHEMICAL CELLULAR MONITORING AND QUANTIFICATION USING LASER FORCE CYTOLOGY**

[54] **SURVEILLANCE ET QUANTIFICATION CELLULAIRES BIOPHYSIQUES ET BIOCHIMIQUES AVANCEES A L'AIDE D'UNE CYTOLOGIE PAR FORCE LASER**

[72] HART, SEAN, US

[72] HEBERT, COLIN, US

[72] MCCOY, MARGARET, US

[71] LUMACYTE, LLC, US

[85] 2020-09-18

[86] 2019-03-20 (PCT/US2019/023130)

[87] (WO2019/183199)

[30] US (62/645,652) 2018-03-20

[21] **3,094,468**
[13] A1

[51] **Int.Cl. C12N 15/90 (2006.01) C12N 15/113 (2010.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **METHODS OF PRODUCING CELLS EXPRESSING A RECOMBINANT RECEPTOR AND RELATED COMPOSITIONS**

[54] **PROCEDES DE PRODUCTION DE CELLULES EXPRIMANT UN RECEPTEUR RECOMBINANT ET COMPOSITIONS ASSOCIEES**

[72] SATHER, BLYTHE D., US

[72] BORGES, CHRISTOPHER, US

[72] BURLEIGH, STEPHEN MICHAEL, US

[72] NYE, CHRISTOPHER HEATH, US

[72] VONG, QUEENIE, US

[72] WELSTEAD, GORDON GRANT, US

[71] JUNO THERAPEUTICS, INC., US

[71] EDITAS MEDICINE, INC., US

[85] 2020-09-18

[86] 2019-04-03 (PCT/US2019/025682)

[87] (WO2019/195492)

[30] US (62/653,522) 2018-04-05

[21] **3,094,470**
[13] A1

[51] **Int.Cl. B44C 5/04 (2006.01) B44C 5/00 (2006.01)**

[25] EN

[54] **STAINABLE DECORATIVE BOARD**

[54] **PLAQUE DECORATIVE POUVANT ETRE DECAPEE**

[72] BRAUN, ROGER, CH

[72] STEINMANN, PIUS, CH

[71] SWISS KRONO TEC AG, CH

[85] 2020-09-18

[86] 2019-03-29 (PCT/EP2019/058049)

[87] (WO2019/185887)

[30] EP (18165082.1) 2018-03-29

[30] EP (18165078.9) 2018-03-29

[30] DE (10 2018 129 628.2) 2018-11-23

[21] **3,094,471**
[13] A1

[51] **Int.Cl. B01J 27/053 (2006.01) B01J 31/02 (2006.01) C07C 407/00 (2006.01)**

[25] EN

[54] **ONLINE PRODUCTION OF ORGANIC PEROXIDE USING A CATALYST BED**

[54] **PRODUCTION EN LIGNE DE PEROXYDE ORGANIQUE A L'AIDE D'UN LIT CATALYTIQUE**

[72] COLEMAN, TODD, US

[72] YEAMAN, TIM, US

[72] FRY, SLATON, US

[71] SAFE FOODS CORPORATION, US

[85] 2020-09-18

[86] 2019-03-28 (PCT/US2019/024516)

[87] (WO2019/191387)

[30] US (62/649,988) 2018-03-29

[21] **3,094,473**
[13] A1

[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **TALE-NUCLEASES FOR ALLELE-SPECIFIC CODON MODIFICATION**

[54] **NUCLEASES-TALE POUR UNE MODIFICATION DE CODON SPECIFIQUE D'UN ALLELE**

[72] BOYNE, ALEX, US

[72] BUSSER, BRIAN, US

[72] DUCHATEAU, PHILIPPE, FR

[72] DUCLERT, AYMERIC, FR

[71] COLLECTIS, FR

[85] 2020-09-18

[86] 2019-03-29 (PCT/EP2019/058093)

[87] (WO2019/185920)

[30] US (62/649,871) 2018-03-29

[30] DK (PA201870633) 2018-09-27

[21] **3,094,475**
[13] A1

[51] **Int.Cl. A23L 27/21 (2016.01) A23L 27/00 (2016.01) A23L 27/40 (2016.01) A23L 33/18 (2016.01) C07K 5/00 (2006.01)**

[25] EN

[54] **FLAVOR COMPOSITIONS AND SCREENING METHODS FOR IDENTIFYING THE SAME**

[54] **COMPOSITIONS D'AROME ET PROCEDES DE CRIBLAGE POUR IDENTIFIER CES DERNIERES**

[72] HOFMANN, THOMAS, DE

[72] SALGER, MATHIAS, DE

[72] STARK, TIMO, DE

[71] MARS, INCORPORATED, US

[85] 2020-09-18

[86] 2019-03-20 (PCT/US2019/023237)

[87] (WO2019/183265)

[30] US (62/645,435) 2018-03-20

PCT Applications Entering the National Phase

[21] **3,094,476**
[13] A1

[51] **Int.Cl. C07D 471/20 (2006.01) A61K 31/4375 (2006.01) A61K 31/498 (2006.01) A61K 31/4985 (2006.01) A61K 31/502 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **HETEROBICYCLIC INHIBITORS OF MAT2A AND METHODS OF USE FOR TREATING CANCER**

[54] **INHIBITEURS HETEROBICYCLIQUES DE MAT2A ET LEURS METHODES D'UTILISATION POUR LE TRAITEMENT DU CANCER**

[72] KONTEATIS, ZENON D., US
[72] LI, MINGZONG, US
[72] LIU, PENG, US
[72] MEDEIROS, MATTHEW, US
[72] REZNIK, SAMUEL K., US
[72] SUI, ZHIHUA, US
[72] TRAVINS, JEREMY M., US
[72] ZHOU, SHUBAO, CN
[72] MA, GUANGNING, CN
[72] POPOVICI-MULLER, JANETA, US
[71] AGIOS PHARMACEUTICALS, INC., US
[85] 2020-09-18
[86] 2019-03-28 (PCT/US2019/024645)
[87] (WO2019/191470)
[30] CN (PCT/CN2018/081328) 2018-03-30

[21] **3,094,477**
[13] A1

[51] **Int.Cl. C12P 7/64 (2006.01)**

[25] EN

[54] **METHOD OF OBTAINING A MICROBIAL OIL AND A METHOD OF REDUCING EMULSION BY MAINTAINING A LOW CONCENTRATION OF CARBOHYDRATE**

[54] **PROCEDE D'OBTENTION D'UNE HUILE MICROBIENNE ET PROCEDE DE REDUCTION D'EMULSION PAR MAINTIEN D'UNE FAIBLE CONCENTRATION DE GLUCIDE**

[72] HEINING, MARTIN, DE
[72] LEININGER, NEIL, US
[72] RESOP, SHANNON, US
[72] STANCZYK, JUSTIN, US
[72] TARWADE, VINOD, US
[72] JOHNSON, MICHAEL, US
[71] DSM IP ASSETS B.V., NL
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-09-18
[86] 2019-03-29 (PCT/US2019/024762)
[87] (WO2019/191544)
[30] US (62/650,354) 2018-03-30
[30] US (62/652,602) 2018-04-04

[21] **3,094,479**
[13] A1

[51] **Int.Cl. E06B 9/24 (2006.01) G06T 19/00 (2011.01) G02F 1/163 (2006.01) G05B 15/02 (2006.01)**

[25] EN

[54] **CONTROL METHODS AND SYSTEMS USING EXTERNAL 3D MODELING AND SCHEDULE-BASED COMPUTING**

[54] **PROCEDES ET SYSTEMES DE COMMANDE UTILISANT UNE MODELISATION 3D EXTERNE ET UN CALCUL BASE SUR UN CALENDRIER**

[72] ZEDLITZ, JASON DAVID, US
[72] DUTTA, RANOJOY, US
[72] YING, YUYANG, US
[72] KLAUWUHN, ERICH R., US
[72] BROWN, STEPHEN CLARK, US
[71] VIEW, INC., US
[85] 2020-09-18
[86] 2019-03-20 (PCT/US2019/023268)
[87] (WO2019/183289)
[30] US (62/646,260) 2018-03-21
[30] US (62/666,572) 2018-05-03
[30] US (16/013,770) 2018-06-20

[21] **3,094,480**
[13] A1

[51] **Int.Cl. A61K 6/00 (2020.01)**

[25] EN

[54] **LIGHT CURED ADDITION SILICONE IMPRESSION MATERIAL WITH IMPROVED STORAGE STABILITY**

[54] **MATERIAU D'EMPREINTE A BASE DE SILICONE A ADDITION DURCIE A LA LUMIERE PRESENTANT UNE STABILITE AU STOCKAGE AMELIOREE**

[72] ANGELETAKIS, CHRISTOS, US
[71] DENTSPLY SIRONA INC., US
[85] 2020-09-18
[86] 2019-03-29 (PCT/US2019/024806)
[87] (WO2019/191568)
[30] US (62/650,439) 2018-03-30

[21] **3,094,481**
[13] A1

[51] **Int.Cl. A61K 31/5415 (2006.01)**

[25] EN

[54] **PHENOTHIAZINE DERIVATIVES AND USES THEREOF**

[54] **DERIVES DE PHENOTHIAZINE ET LEURS UTILISATIONS**

[72] BUMCROT, DAVID A., US
[72] SEHGAL, ALFICA, US
[72] HERTZOG, DONALD L., US
[71] CAMP4 THERAPEUTICS CORPORATION, US
[85] 2020-09-18
[86] 2019-04-05 (PCT/US2019/026158)
[87] (WO2019/195789)
[30] US (62/653,752) 2018-04-06
[30] US (62/653,741) 2018-04-06

Demandes PCT entrant en phase nationale

[21] **3,094,484**
[13] A1

[51] **Int.Cl. H05B 6/78 (2006.01) A23L 3/01 (2006.01) H05B 6/70 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CONTINUOUS THERMAL TREATMENT OF A FLOWABLE PRODUCT**

[54] **SYSTEME ET PROCEDE DE TRAITEMENT THERMIQUE CONTINU D'UN PRODUIT FLUIDE**

[72] DRUGA, MICHAEL, US
[72] SIMUNOVIC, JOSIP, US
[72] KENNER, THOMAS, US
[72] GIUNTA, STEVEN, US
[71] SINNOVATEK, INC., US
[71] NORTH CAROLINA STATE UNIVERSITY, US

[85] 2020-09-18
[86] 2019-04-02 (PCT/US2019/025276)
[87] (WO2019/195206)
[30] US (62/651,778) 2018-04-03

[21] **3,094,486**
[13] A1

[51] **Int.Cl. E04H 9/02 (2006.01) E02D 27/34 (2006.01)**

[25] EN

[54] **SEISMIC ISOLATOR AND DAMPING DEVICE**

[54] **ISOLATEUR SISMIQUE ET DISPOSITIF D'AMORTISSEMENT**

[72] AUJAGHIAN, DAMIR, US
[71] AUJAGHIAN, DAMIR, US

[85] 2020-09-18
[86] 2019-04-10 (PCT/US2019/026719)
[87] (WO2019/204090)
[30] US (62/658,104) 2018-04-16

[21] **3,094,487**
[13] A1

[51] **Int.Cl. H01L 21/66 (2006.01) H01L 23/34 (2006.01) H01L 23/528 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND AGGREGATES COMPRISING BORON NITRIDE NANOTUBE STRUCTURES, AND METHODS OF MAKING**

[54] **COMPOSITIONS ET AGREGATS COMPRENANT DES STRUCTURES DE NANOTUBES DE NITRURE DE BORE, ET LEURS PROCEDES DE PREPARATION**

[72] TAYLOR, JASON EDWARD, US
[72] EDMOND, MARK, US
[72] WILCENSKI, STEVEN MICHAEL, US

[71] BNNANO, INC., US

[85] 2020-09-18
[86] 2019-03-21 (PCT/US2019/023335)
[87] (WO2019/183331)
[30] US (15/928,969) 2018-03-22

[21] **3,094,488**
[13] A1

[51] **Int.Cl. A61K 31/137 (2006.01) A61K 31/167 (2006.01)**

[25] EN

[54] **FIXED DOSE COMPOSITION OF PARACETAMOL: AMITRIPTYLINE AND METHOD FOR THE TREATMENT OF MIXED CANCER PAIN**

[54] **COMPOSITION A DOSE FIXE DE PARACETAMOL:AMITRIPTYLINE ET METHODE POUR LE TRAITEMENT DE LA DOULEUR MIXTE DUE AU CANCER**

[72] GARRIDO SUAREZ, BARBARA BEATRIZ, CU
[72] BELLMA MENENDEZ, ADDIS, CU
[72] GONZALEZ CORTEZON, ANIA, CU
[72] DE LA PAZ MARTIN-VIANA, NILIA, CU

[72] BARZAGA FERNANDEZ, PEDRO GILBERTO, CU

[72] PERDOMO MORALES, ROLANDO, CU

[72] PADRON YAQUIS, ALEJANDRO SAUL, CU

[71] CENTRO DE INVESTIGACION Y DESARROLLO DE MEDICAMENTOS (CIDEM), CU

[85] 2020-09-17
[86] 2019-05-03 (PCT/CU2019/050002)
[87] (WO2019/210889)
[30] CU (2018-0037) 2018-05-03

[21] **3,094,490**
[13] A1

[51] **Int.Cl. B31D 1/02 (2006.01) B65C 9/18 (2006.01)**

[25] EN

[54] **SINGLE-PLY LINER LABEL COMBINATION AND ROLL**

[54] **COMBINAISON SUPPORT-ETIQUETTE MONOCOUCHE ET ROULEAU**

[72] FRANCOEUR, ROGER, US
[72] LIVINGSTON, TIMOTHY DARREN, US

[72] WILKINS, JAMES L., US

[71] ICONEX LLC, US

[85] 2020-09-18
[86] 2019-04-02 (PCT/US2019/025350)
[87] (WO2019/195262)
[30] US (15/943,868) 2018-04-03

PCT Applications Entering the National Phase

[21] **3,094,495**
[13] A1

[51] **Int.Cl. H01J 49/26 (2006.01) G01N 23/00 (2006.01)**

[25] EN

[54] **PARTICLE DETECTOR HAVING IMPROVED PERFORMANCE AND SERVICE LIFE**

[54] **DETECTEUR DE PARTICULES AYANT UNE PERFORMANCE ET UNE DUREE DE VIE AMELIOREES**

[72] JUREK, RUSSELL, AU

[72] HUNTER, KEVIN, AU

[71] ADAPTAS SOLUTIONS PTY LTD, AU

[85] 2020-09-21

[86] 2019-03-22 (PCT/AU2019/050257)

[87] (WO2019/178649)

[30] AU (2018900978) 2018-03-23

[21] **3,094,496**
[13] A1

[51] **Int.Cl. A61F 2/00 (2006.01) B33Y 10/00 (2015.01)**

[25] EN

[54] **AUTOMATIC ADDITIVE MULTI STAGE PORTABLE THREE DIMENSIONAL DEVICE FOR MANUFACTURING OF HARD AND SOFT ORGANS**

[54] **DISPOSITIF TRIDIMENSIONNEL PORTATIF ADDITIF AUTOMATIQUE A PLUSIEURS ETAGES POUR LA FABRICATION D'ORGANES DURS ET MOUS**

[72] MOUSAVI, SAYEDALI, IR

[71] MOUSAVI, SAYEDALI, IR

[85] 2020-09-18

[86] 2018-08-21 (PCT/IR2018/050024)

[87] (WO2019/180749)

[30] IR (139650140003014980) 2018-03-18

[21] **3,094,498**
[13] A1

[51] **Int.Cl. H02S 20/22 (2014.01) F24S 25/636 (2018.01) F16B 5/00 (2006.01) F16M 1/00 (2006.01)**

[25] EN

[54] **PV MODULE MOUNTING ASSEMBLY WITH CLAMP/STANDOFF ARRANGEMENT**

[54] **ENSEMBLE DE MONTAGE DE MODULE PHOTOVOLTAIQUE, DOTE D'AGENCEMENT D'ELEMENT DE SERRAGE/DOUILLE-ENTRETOISE**

[72] HADDOCK, DUSTIN M.M., US

[72] HOLLEY, NIKOLAUS JO, US

[72] LEITCH, PAUL BENJAMIN, US

[71] RMH TECH LLC, US

[85] 2020-09-18

[86] 2019-03-21 (PCT/US2019/023423)

[87] (WO2019/183388)

[30] US (62/645,963) 2018-03-21

[21] **3,094,504**
[13] A1

[51] **Int.Cl. A61L 31/02 (2006.01) A61F 2/07 (2013.01) A61F 2/915 (2013.01) A61L 31/04 (2006.01) A61L 31/08 (2006.01) A61L 31/10 (2006.01) A61L 31/12 (2006.01) A61L 31/14 (2006.01)**

[25] EN

[54] **BIOABSORBABLE STENT**

[54] **ENDOPROTHESE BIOABSORBABLE**

[72] SASAKI, MAKOTO, JP

[72] KOGA, YUKI, JP

[72] OKAZAWA, YUKI, JP

[72] UEDA, HIRONORI, JP

[72] INOUE, MASASHI, JP

[72] YAMASHITA, SHUZO, JP

[71] JAPAN MEDICAL DEVICE TECHNOLOGY CO., LTD., JP

[71] FUJI LIGHT METAL CO., LTD., JP

[85] 2020-09-18

[86] 2019-03-20 (PCT/JP2019/011667)

[87] (WO2019/182003)

[30] JP (2018-054300) 2018-03-22

[30] JP (2018-144220) 2018-07-31

[21] **3,094,505**
[13] A1

[51] **Int.Cl. G06T 1/00 (2006.01) H04W 52/02 (2009.01)**

[25] EN

[54] **METHODS AND APPARATUS TO IDENTIFY SIGNALS USING A LOW POWER WATERMARK**

[54] **PROCEDES ET APPAREIL POUR IDENTIFIER DES SIGNAUX A L'AIDE D'UN FILIGRANE DE FAIBLE PUISSANCE**

[72] CHRISTIAN, TIMOTHY, US

[72] LEE, JAVON, US

[71] THE NIELSEN COMPANY (US), LLC, US

[85] 2020-09-18

[86] 2019-03-21 (PCT/US2019/023441)

[87] (WO2019/183401)

[30] US (15/927,810) 2018-03-21

[21] **3,094,508**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/215 (2006.01) A61K 31/351 (2006.01) A61K 31/712 (2006.01) A61P 31/16 (2006.01)**

[25] EN

[54] **MODIFIED OLIGONUCLEOTIDES AND METHODS OF USE**

[54] **OLIGONUCLEOTIDES MODIFIES ET METHODES D'UTILISATION**

[72] JEKLE, CHRISTIAN ANDREAS, US

[72] OZES, ALI, US

[71] JANSSEN BIOPHARMA, INC., US

[85] 2020-09-18

[86] 2019-03-21 (PCT/US2019/023463)

[87] (WO2019/183417)

[30] US (62/646,901) 2018-03-22

Demandes PCT entrant en phase nationale

[21] **3,094,511**
[13] A1

[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/6592 (2006.01) C08F 10/02 (2006.01) C08L 23/08 (2006.01)**

[25] EN

[54] **MULTIMODAL POLYETHYLENE COMPOSITION**

[54] **COMPOSITION DE POLYETHYLENE MULTIMODAL**

[72] BORSE, NITIN, US

[72] CHANDAK, SWAPNIL B., US

[72] ZHANG, YI, US

[72] LYNN, TIMOTHY R., US

[72] KUHLMAN, ROGER L., US

[72] SZUL, JOHN F., US

[71] UNIVATION TECHNOLOGIES, LLC, US

[85] 2020-09-18

[86] 2019-03-22 (PCT/US2019/023500)

[87] (WO2019/190898)

[30] US (62/649,077) 2018-03-28

[21] **3,094,518**
[13] A1

[51] **Int.Cl. A47C 27/10 (2006.01) B60N 2/90 (2018.01) A47C 4/54 (2006.01) A47C 7/02 (2006.01) B60N 2/62 (2006.01)**

[25] EN

[54] **THERAPEUTIC SEAT CUSHION EQUIPPED FOR PRESSURE MONITORING AND INFLATION SYSTEM FOR SAME**

[54] **COUSSIN DE SIEGE THERAPEUTIQUE EQUIPE D'UN SYSTEME DE SURVEILLANCE DE PRESSION ET DE GONFLAGE ASSOCIE**

[72] BUSSERT, JESSICA, US

[71] BUSSERT MEDICAL, INC., US

[85] 2020-09-18

[86] 2019-03-22 (PCT/US2019/023630)

[87] (WO2019/183502)

[30] US (62/646,592) 2018-03-22

[30] US (62/736,672) 2018-09-26

[21] **3,094,523**
[13] A1

[51] **Int.Cl. A01C 7/08 (2006.01) G06Q 50/02 (2012.01) A01B 49/06 (2006.01) A01C 1/00 (2006.01) A01D 41/12 (2006.01) A01D 41/127 (2006.01) A01D 75/00 (2006.01)**

[25] EN

[54] **CROP GROWTH SYSTEM INCLUDING A SEEDER AND ASSOCIATED HARVESTER**

[54] **SYSTEME DE CROISSANCE DES CULTURES COMPRENANT UN SEMOIR ET UNE MOISSONNEUSE ASSOCIEE**

[72] PRYSTUPA, DAVID, CA

[72] PACAK, JOHN, CA

[71] 10691976 CANADA LTD., CA

[85] 2020-09-21

[86] 2019-03-21 (PCT/CA2019/050350)

[87] (WO2019/178696)

[30] US (62/646,202) 2018-03-21

[30] US (62/646,211) 2018-03-21

[21] **3,094,515**
[13] A1

[51] **Int.Cl. A61B 6/04 (2006.01) A61B 6/00 (2006.01)**

[25] EN

[54] **IMAGING TABLE AND MANUFACTURING METHOD THEREFOR, MAMMOGRAPHY APPARATUS IMAGING TABLE AND MANUFACTURING METHOD THEREFOR, AND MAMMOGRAPHY APPARATUS**

[54] **TABLE D'IMAGERIE ET SON PROCEDE DE FABRICATION, TABLE D'IMAGERIE POUR APPAREIL DE MAMMOGRAPHIE ET SON PROCEDE DE FABRICATION, ET APPAREIL DE MAMMOGRAPHIE**

[72] TAKEHARA, TOMOHIRO, JP

[72] HAMAGUCHI, MITSUSHIGE, JP

[72] HONMA, MASATO, JP

[71] TORAY INDUSTRIES, INC., JP

[85] 2020-09-18

[86] 2019-03-20 (PCT/JP2019/011938)

[87] (WO2019/182077)

[30] JP (2018-055837) 2018-03-23

[30] JP (2018-055838) 2018-03-23

[30] JP (2018-055839) 2018-03-23

[21] **3,094,519**
[13] A1

[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/06 (2006.01) A01C 7/20 (2006.01)**

[25] EN

[54] **SEEDER FOR A CROP GROWTH SYSTEM**

[54] **SEMOIR POUR SYSTEME DE CROISSANCE DES CULTURES**

[72] PRYSTUPA, DAVID, CA

[72] PACAK, JOHN, CA

[71] 10691976 CANADA LTD., CA

[85] 2020-09-21

[86] 2019-03-21 (PCT/CA2019/050349)

[87] (WO2019/178695)

[30] US (62/646,202) 2018-03-21

[30] US (62/646,211) 2018-03-21

[21] **3,094,524**
[13] A1

[51] **Int.Cl. G06Q 50/06 (2012.01) B67D 7/04 (2010.01) G06Q 20/14 (2012.01) G06Q 20/20 (2012.01) G06Q 20/32 (2012.01) G06Q 20/34 (2012.01) G06Q 30/02 (2012.01) G07F 13/02 (2006.01)**

[25] EN

[54] **AUTOMOBILE IDENTIFICATION AND VARIABLE RATE FUEL SYSTEM AND METHOD**

[54] **IDENTIFICATION D'AUTOMOBILE AINSI QUE SYSTEME ET PROCEDE DE DISTRIBUTION DE CARBURANT A PRIX VARIABLE**

[72] STRASSER, ROBERT, US

[71] ITRON, INC., US

[85] 2020-09-18

[86] 2019-03-22 (PCT/US2019/023701)

[87] (WO2019/183558)

[30] US (62/647,506) 2018-03-23

[30] US (16/024,305) 2018-06-29

PCT Applications Entering the National Phase

[21] **3,094,526**
[13] A1

[51] **Int.Cl. A61B 5/04 (2006.01) H02J 50/10 (2016.01) A61B 5/0488 (2006.01) A61F 2/72 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **SKIN PATCHES FOR SENSING OR AFFECTING A BODY PARAMETER**

[54] **TIMBRES DERMIQUES PERMETTANT DE DETECTER OU D'AFFECTER UN PARAMETRE CORPOREL**

[72] DEARDEN, BRIAN R., US

[72] PETROVICH, JOHN G., US

[71] THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US

[85] 2020-09-18

[86] 2019-03-22 (PCT/US2019/023736)

[87] (WO2019/183586)

[30] US (62/647,129) 2018-03-23

[21] **3,094,527**
[13] A1

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/395 (2006.01) C07D 213/75 (2006.01) C07D 237/04 (2006.01) C07D 253/07 (2006.01) C07D 401/12 (2006.01) C07D 405/04 (2006.01) C07D 405/14 (2006.01) C07D 409/06 (2006.01) C07D 409/14 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 491/107 (2006.01)**

[25] EN

[54] **COMPOUNDS AND USES THEREOF**

[54] **COMPOSES ET LEURS UTILISATIONS**

[72] LE BOURDONNEC, BERTRAND, US

[72] LUCAS, MATTHEW, US

[72] OZBOYA, KEREM, US

[72] PANDYA, BHAUMIK, US

[72] TARDIFF, DANIEL, US

[72] TIVITMAHAISOON, PARCHAREE, US

[72] WRONA, IWONA, US

[71] YUMANITY THERAPEUTICS, INC., US

[85] 2020-09-18

[86] 2019-03-22 (PCT/US2019/023737)

[87] (WO2019/183587)

[30] US (62/647,308) 2018-03-23

[21] **3,094,528**
[13] A1

[51] **Int.Cl. E21B 47/06 (2012.01) E21B 43/26 (2006.01) E21B 47/00 (2012.01) E21B 49/00 (2006.01)**

[25] EN

[54] **LOW FREQUENCY DAS WELL INTERFERENCE EVALUATION**

[54] **EVALUATION D'INTERFERENCE DE Puits DAS BASSE FREQUENCE**

[72] JIN, GE, US

[72] KRUEGER, KYLE R., US

[72] ROY, BAISHALI, US

[71] CONOCOPHILLIPS COMPANY, US

[85] 2020-09-18

[86] 2019-03-26 (PCT/US2019/024087)

[87] (WO2019/191106)

[30] US (62/649,346) 2018-03-28

[21] **3,094,529**
[13] A1

[51] **Int.Cl. A61K 31/4425 (2006.01) A61K 31/14 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATING INTERVERTEBRAL DISCS**

[54] **COMPOSITIONS ET PROCEDES DE TRAITEMENT DE DISQUES INTERVERTEBRAUX**

[72] MYNTTI, MATTHEW F., US

[71] NEXT SCIENCE IP HOLDINGS PTY LTD, AU

[85] 2020-09-18

[86] 2018-11-16 (PCT/US2018/061665)

[87] (WO2019/099932)

[30] US (62/588,401) 2017-11-19

[30] US (62/748,431) 2018-10-20

[21] **3,094,530**
[13] A1

[51] **Int.Cl. A62B 7/10 (2006.01) A62B 18/02 (2006.01) A62B 18/04 (2006.01) A62B 23/02 (2006.01)**

[25] EN

[54] **LINER AND RETAINING MEMBER FOR USE WITH RESPIRATORY MASK**

[54] **GARNITURE ET ELEMENT DE RETENUE POUR UTILISATION AVEC UN MASQUE RESPIRATOIRE**

[72] RUTAN, ROBERT M., US

[71] NATURS DESIGN, INC., US

[85] 2020-09-18

[86] 2019-03-27 (PCT/US2019/024220)

[87] (WO2019/191188)

[30] US (62/648,895) 2018-03-27

[21] **3,094,531**
[13] A1

[51] **Int.Cl. G16H 40/63 (2018.01) G16H 20/17 (2018.01) A61M 5/168 (2006.01)**

[25] EN

[54] **SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR IDENTIFYING DEVICE CONNECTIONS**

[54] **SYSTEME, PROCEDE ET PRODUIT DE PROGRAMME D'ORDINATEUR POUR IDENTIFIER DES CONNEXIONS DE DISPOSITIFS**

[72] WITT, ERIK KURT, US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2020-09-18

[86] 2019-04-12 (PCT/US2019/027240)

[87] (WO2019/204153)

[30] US (62/659,863) 2018-04-19

[21] **3,094,532**
[13] A1

[51] **Int.Cl. A23D 9/013 (2006.01) A23D 9/04 (2006.01) C11C 3/10 (2006.01)**

[25] EN

[54] **INTERESTERIFIED HIGH OLEIC VEGETABLE OILS**

[54] **HUILES VEGETALES INTERESTERIFIEES A TENEUR ELEVEE EN ACIDES OLEIQUES**

[72] PAN, SHAWN, US

[72] GOERTZ, MARVIN, US

[71] BUNGE OILS, INC., US

[85] 2020-09-18

[86] 2019-04-16 (PCT/US2019/027637)

[87] (WO2019/204280)

[30] US (62/659,505) 2018-04-18

Demandes PCT entrant en phase nationale

[21] **3,094,534**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **HIGH AFFINITY NEUTRALIZING MONOCLONAL ANTIBODIES TO PROGRAMMED DEATH LIGAND 1 (PD-L1) AND USES THEREOF**
[54] **ANTICORPS MONOCLONAUX NEUTRALISANTS A HAUTE AFFINITE ENVERS UN LIGAND DE MORT PROGRAMMEE 1 (PD-L1) ET LEURS UTILISATIONS**
[72] SHIMKETS, RICHARD, US
[72] VINCENT, THOMAS, US
[72] JACKSON, CRYSTAL, US
[71] ABEOME CORPORATION, US
[85] 2020-09-18
[86] 2019-03-19 (PCT/US2019/022971)
[87] (WO2019/183093)
[30] US (62/644,832) 2018-03-19

[21] **3,094,548**
[13] A1

[51] **Int.Cl. G01N 1/40 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **MOLECULAR WEIGHT FILTRATION SYSTEM AND APPARATUS**
[54] **SYSTEME ET APPAREIL DE FILTRATION DE POIDS MOLECULAIRE**
[72] DRADER, JARED, US
[72] COMPTON, PHILIP, US
[71] INTEGRATED PROTEIN TECHNOLOGIES, INC., US
[85] 2020-09-18
[86] 2019-11-11 (PCT/US2019/060778)
[87] (WO2020/102103)
[30] US (16/193,539) 2018-11-16

[21] **3,094,549**
[13] A1

[51] **Int.Cl. B09B 1/00 (2006.01)**
[25] EN
[54] **VERTICAL MANHOLE APPARATUS AND METHOD FOR PROVIDING ACCESS TO LEACHATE COLLECTION PIPES IN A LANDFILL**
[54] **APPAREIL DE TROU D'HOMME VERTICAL ET PROCEDE POUR ACCEDER A DES TUYAUX DE RECUEIL DE LIXIVIAT DANS UNE DECHARGE**
[72] TORRESANI, MARK, US
[72] KNESER, KYLE, US
[71] TETRA TECH, INC., US
[85] 2020-04-08
[86] 2018-10-17 (PCT/US2018/056246)
[87] (WO2019/079421)
[30] US (62/573,822) 2017-10-18

[21] **3,094,551**
[13] A1

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/222 (2006.01)**
[25] EN
[54] **EXTENDED RELEASE PHARMACEUTICAL COMPOSITION CONTAINING FESOTERODINE AND PROCESS FOR THE PREPARATION THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE A LIBERATION PROLONGEE CONTENANT DE LA FESOTERODINE ET SON PROCEDE DE PREPARATION**
[72] GRYPIOTI, AGNI, GR
[72] TSITSAS, PANAGIOTIS, GR
[71] RONTIS HELLAS S.A., GR
[71] PHAROS LTD., GR
[85] 2020-09-21
[86] 2018-04-26 (PCT/EP2018/000223)
[87] (WO2019/206391)

[21] **3,094,553**
[13] A1

[51] **Int.Cl. B27N 1/00 (2006.01) B27N 3/14 (2006.01) B27N 3/18 (2006.01) E04C 2/16 (2006.01) E04C 2/18 (2006.01) E04C 2/38 (2006.01) E04F 15/10 (2006.01) B27N 3/02 (2006.01) B27N 3/04 (2006.01) E04C 2/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING A BOARD FOR PRODUCTION OF PANELS, BOARD FOR PRODUCTION OF PANELS, METHOD AND APPARATUS FOR PRODUCING PANELS, AND PANEL PRODUCIBLE BY THE METHOD**
[54] **PROCEDE ET APPAREIL PERMETTANT DE PRODUIRE UNE PLANCHE POUR LA PRODUCTION DE PANNEAUX, PLANCHE POUR LA PRODUCTION DE PANNEAUX, PROCEDE ET APPAREIL PERMETTANT DE PRODUIRE DES PANNEAUX, ET PANNEAU POUVANT ETRE PRODUIT PAR LE PROCEDE**
[72] SPEIDEL, HANNES, CH
[71] XYLO TECHNOLOGIES AG, CH
[85] 2020-09-21
[86] 2018-05-02 (PCT/EP2018/061142)
[87] (WO2019/210940)

PCT Applications Entering the National Phase

[21] **3,094,554**
[13] A1

[51] **Int.Cl. B27N 1/00 (2006.01) B27N 3/14 (2006.01) B27N 3/18 (2006.01) E04C 2/18 (2006.01) E04C 2/38 (2006.01) E04F 15/10 (2006.01) B27N 3/02 (2006.01) B27N 3/04 (2006.01) B27N 7/00 (2006.01) E04C 2/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PRODUCING A BOARD FOR PRODUCTION OF PANELS, BOARD FOR PRODUCTION OF PANELS, METHOD AND APPARATUS FOR PRODUCING PANELS, AND PANEL PRODUCIBLE BY THE METHOD**

[54] **PROCEDE ET APPAREIL PERMETTANT DE PRODUIRE UNE PLANCHE POUR LA PRODUCTION DE PANNEAUX, PLANCHE POUR LA PRODUCTION DE PANNEAUX, PROCEDE ET APPAREIL PERMETTANT DE PRODUIRE DES PANNEAUX, ET PANNEAU POUVANT ETRE PRODUIT PAR LE PROCEDE**

[72] SPEIDEL, HANNES, CH
[71] XYLO TECHNOLOGIES AG, CH
[85] 2020-09-21
[86] 2018-05-02 (PCT/EP2018/061143)
[87] (WO2019/210941)

[21] **3,094,558**
[13] A1

[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/06 (2006.01) B66C 13/08 (2006.01)**

[25] EN

[54] **CONTAINER-HANDLING VEHICLE**

[54] **VEHICULE DE MANIPULATION DE CONTENEURS**

[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2020-09-21
[86] 2019-02-07 (PCT/EP2019/052998)
[87] (WO2019/206482)
[30] NO (20180588) 2018-04-25

[21] **3,094,561**
[13] A1

[51] **Int.Cl. E21C 25/18 (2006.01) E21C 35/18 (2006.01)**

[25] EN

[54] **CUTTING ASSEMBLY**

[54] **ENSEMBLE DE COUPE**

[72] LEEMING, MATTHEW JOHN IAN, GB
[72] KANYANTA, VALENTINE, GB
[72] SARIDIKMEN, HABIB, GB
[71] ELEMENT SIX (UK) LIMITED, GB
[85] 2020-09-21
[86] 2019-03-21 (PCT/EP2019/057143)
[87] (WO2019/180169)
[30] GB (1804696.1) 2018-03-23

[21] **3,094,563**
[13] A1

[51] **Int.Cl. A47B 43/02 (2006.01) B65D 5/20 (2006.01) B65D 5/24 (2006.01) B65D 77/20 (2006.01)**

[25] EN

[54] **CARBORD TRAY AND METHOD**

[54] **PLATEAU EN CARTON ET PROCEDE**

[72] ZWAGA, RONALD, NL
[71] STACKPACK B.V., NL
[85] 2020-09-21
[86] 2019-03-18 (PCT/EP2019/056684)
[87] (WO2019/179930)
[30] EP (18163496.5) 2018-03-22

[21] **3,094,564**
[13] A1

[51] **Int.Cl. E21C 25/18 (2006.01) E21C 35/18 (2006.01)**

[25] EN

[54] **CUTTING ASSEMBLY**

[54] **ENSEMBLE DE COUPE**

[72] LEEMING, MATTHEW JOHN IAN, GB
[72] KANYANTA, VALENTINE, GB
[72] SARIDIKMEN, HABIB, GB
[71] ELEMENT SIX (UK) LIMITED, GB
[85] 2020-09-21
[86] 2019-03-21 (PCT/EP2019/057147)
[87] (WO2019/180170)
[30] GB (1804697.9) 2018-03-23

[21] **3,094,565**
[13] A1

[51] **Int.Cl. G01F 1/66 (2006.01)**

[25] EN

[54] **METHOD FOR NONINVASIVE DETERMINATION OF THE FLOW OR OF THE FLOW RATE IN AN ELECTRICALLY CONDUCTIVE OBJECT THROUGH WHICH A GASEOUS MEDIUM FLOWS, AND ACOUSTIC FLOW METER FOR CARRYING OUT THE METHOD**

[54] **PROCEDE POUR LA DETERMINATION NON INVASIVE DU FLUX OU DU DEBIT DANS UN OBJET ELECTRIQUEMENT CONDUCTEUR TRAVERSE PAR UN MEDIUM GAZEUX AINSI QUE DEBITMETRE ACOUSTIQUE POUR L'EXECUTION DU PROCEDE**

[72] BRUCHER, MARTIN, DE
[72] BAUERNSCHMITT, RUDIGER, DE
[72] RODRIGUEZ, NATALIA, NL
[71] ROSEN SWISS AG, CH
[85] 2020-09-21
[86] 2019-03-21 (PCT/EP2019/057142)
[87] (WO2019/180168)
[30] DE (10 2018 106 736.4) 2018-03-21
[30] DE (10 2018 122 584.9) 2018-09-14

[21] **3,094,566**
[13] A1

[51] **Int.Cl. A61B 3/032 (2006.01) A61B 3/00 (2006.01) A61B 3/11 (2006.01)**

[25] EN

[54] **VISUAL TESTING USING MOBILE DEVICES**

[54] **EXAMEN VISUEL A L'AIDE DE DISPOSITIFS MOBILES**

[72] GRONDIN, ELIDIA, FR
[72] TRIBOUILLOIS, DENIS, FR
[72] HERLEDAN, LAURENT, FR
[72] LAGADEC, MATHIEU, FR
[71] TILAK HEALTHCARE, FR
[85] 2020-09-21
[86] 2019-03-18 (PCT/EP2019/056685)
[87] (WO2019/179931)
[30] EP (18163352.0) 2018-03-22

Demandes PCT entrant en phase nationale

[21] 3,094,567 [13] A1	[21] 3,094,570 [13] A1	[21] 3,094,577 [13] A1
<p>[51] Int.Cl. C23C 4/02 (2006.01) C23C 4/134 (2016.01) B05B 7/00 (2006.01) B05B 7/22 (2006.01) C23C 4/06 (2016.01) C23C 4/08 (2016.01) C23C 4/18 (2006.01) H05H 1/26 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS FOR FEEDING AND DOSING POWDER, APPARATUS FOR PRODUCING A LAYER STRUCTURE ON A SURFACE AREA OF A DEVICE, PLANAR HEATING ELEMENT AND METHOD FOR PRODUCING A PLANAR HEATING ELEMENT</p> <p>[54] DISPOSITIF DE TRANSPORT ET DE DOSAGE DE POUDRE, DISPOSITIF DE FABRICATION D'UNE STRUCTURE EN COUCHES SUR UNE SURFACE D'UN ELEMENT DE CONSTRUCTION, ELEMENT CHAUFFANT PLAT ET PROCEDE DE FABRICATION D'UN ELEMENT CHAUFFANT PLAT</p> <p>[72] RIEMENSPERGER, REINHOLD, DE</p> <p>[72] FLADE, ENRICO, DE</p> <p>[71] ECOCOAT GMBH, DE</p> <p>[85] 2020-09-21</p> <p>[86] 2019-03-22 (PCT/EP2019/057187)</p> <p>[87] (WO2019/180190)</p> <p>[30] DE (10 2018 204 429.5) 2018-03-22</p> <p>[30] DE (10 2018 204 428.7) 2018-03-22</p>	<p>[51] Int.Cl. C08G 59/68 (2006.01) C08G 59/72 (2006.01)</p> <p>[25] EN</p> <p>[54] ACCELERATOR COMPOSITION FOR THE CURE OF EPOXY RESINS WITH AROMATIC AMINES</p> <p>[54] COMPOSITION D'ACCELERATEUR POUR LE DURCISSEMENT DE RESINES EPOXY AVEC DES AMINES AROMATIQUES</p> <p>[72] STORZ, CHRISTOF, CH</p> <p>[71] HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH, CH</p> <p>[85] 2020-09-21</p> <p>[86] 2019-03-21 (PCT/EP2019/057053)</p> <p>[87] (WO2019/192847)</p> <p>[30] EP (18165724.8) 2018-04-04</p>	<p>[51] Int.Cl. G01N 33/50 (2006.01) G01N 33/574 (2006.01)</p> <p>[25] EN</p> <p>[54] USE OF HOLLOW FIBERS TO OBTAIN BLOOD OR A BLOOD DERIVATIVE IMPOVERISHED FROM BLOOD CELLS AND PLATELETS DERIVED EXTRACELLULAR VESICLES</p> <p>[54] UTILISATION DE FIBRES CREUSES POUR OBTENIR DU SANG OU UN DERIVE SANGUIN APPAUVRI A PARTIR DE CELLULES SANGUINES ET DE VESICULES EXTRACELLULAIRES DERIVEES DE PLAQUETTES</p> <p>[72] CHIESI, ANTONIO, IT</p> <p>[72] ZAROVNI, NATASA, IT</p> <p>[72] ZOCCO, DAVIDE, IT</p> <p>[71] EXOSOMICS S.P.A., IT</p> <p>[85] 2020-09-21</p> <p>[86] 2019-03-29 (PCT/EP2019/058028)</p> <p>[87] (WO2019/185874)</p> <p>[30] EP (18165289.2) 2018-03-30</p>
[21] 3,094,569 [13] A1	[21] 3,094,574 [13] A1	[21] 3,094,578 [13] A1
<p>[51] Int.Cl. C08B 37/00 (2006.01) C12P 19/04 (2006.01)</p> <p>[25] EN</p> <p>[54] PROCESS FOR THE PURIFICATION OF COMPLEX BIOCOMPOSITIONS</p> <p>[54] PROCEDE DE PURIFICATION DE BIOCOMPOSITIONS COMPLEXES</p> <p>[72] SIEKER, TIM, DE</p> <p>[72] VERHUELSDONK, MARCUS, DE</p> <p>[72] ZAVREL, MICHAEL, DE</p> <p>[71] CLARIANT INTERNATIONAL LTD, CH</p> <p>[85] 2020-09-21</p> <p>[86] 2019-03-25 (PCT/EP2019/057465)</p> <p>[87] (WO2019/192874)</p> <p>[30] EP (18165788.3) 2018-04-04</p>	<p>[51] Int.Cl. E21C 25/16 (2006.01) E21C 25/18 (2006.01) E21C 35/18 (2006.01)</p> <p>[25] EN</p> <p>[54] CUTTING ASSEMBLY</p> <p>[54] ENSEMBLE DE COUPE</p> <p>[72] LEEMING, MATTHEW JOHN IAN, GB</p> <p>[72] KANYANTA, VALENTINE, GB</p> <p>[72] SARIDIKMEN, HABIB, GB</p> <p>[72] VERMEULEN, ADRIAAN, SA</p> <p>[71] ELEMENT SIX (UK) LIMITED, GB</p> <p>[71] DE BEERS GROUP SERVICES PROPRIETARY LIMITED, SA</p> <p>[85] 2020-09-21</p> <p>[86] 2019-03-21 (PCT/EP2019/057132)</p> <p>[87] (WO2019/180164)</p> <p>[30] GB (1804694.6) 2018-03-23</p>	<p>[51] Int.Cl. A01J 25/13 (2006.01) A01J 25/16 (2006.01)</p> <p>[25] EN</p> <p>[54] CRATE FOR THE RIPENING OF A CHEESE</p> <p>[54] CAISSE POUR L'AFFINAGE D'UN FROMAGE</p> <p>[72] MARS, ANTHONI ARNOLD, NL</p> <p>[72] ODIER, DAVID JOSEPH, NL</p> <p>[71] ROYAL BEL LEERDAMMER B.V., NL</p> <p>[85] 2020-09-21</p> <p>[86] 2019-04-04 (PCT/EP2019/058552)</p> <p>[87] (WO2019/193114)</p> <p>[30] EP (18305396.6) 2018-04-04</p>

PCT Applications Entering the National Phase

[21] **3,094,582**
[13] A1

[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)**
[25] EN
[54] **AUTOMATED STORAGE AND RETRIEVAL SYSTEM COMPRISING A RELAY MODULE AND A METHOD OF OPERATING SUCH A SYSTEM**
[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION AUTOMATISE COMPRENANT UN MODULE DE RELAIS ET PROCEDE D'EXPLOITATION D'UN TEL SYSTEME**
[72] FJELDHEIM, IVAR, NO
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2020-09-21
[86] 2019-04-24 (PCT/EP2019/060473)
[87] (WO2019/206971)
[30] NO (20180578) 2018-04-25

[21] **3,094,583**
[13] A1

[51] **Int.Cl. A61L 27/18 (2006.01) B33Y 80/00 (2015.01)**
[25] EN
[54] **3D PRINTING COMPOSITION FOR BIOMATERIALS**
[54] **COMPOSITION D'IMPRESSIION 3D POUR BIOMATERIAUX**
[72] COLLIN, ESTELLE, FR
[72] PEREIRA, MARIA, PT
[72] MAIA E SILVA, JOAO REINA, FR
[72] CIRILLO, VALENTINA, FR
[72] LAMAZOUADE, JULIEN, FR
[72] KEAVENEY, SHANE, IE
[72] O'CEARBHAILL, EOIN D., IE
[71] TISSIUM SA, FR
[85] 2020-09-21
[86] 2019-03-22 (PCT/EP2019/057250)
[87] (WO2019/180208)
[30] EP (18163397.5) 2018-03-22

[21] **3,094,584**
[13] A1

[51] **Int.Cl. F25C 1/12 (2006.01)**
[25] EN
[54] **AN EVAPORATOR ASSEMBLY FOR A VERTICAL FLOW TYPE ICE MAKING MACHINE**
[54] **ENSEMBLE EVAPORATEUR POUR MACHINE A GLACE DE TYPE A ECOULEMENT VERTICAL**
[72] SHARMA, RAM PRAKASH, IN
[72] SHARMA, VINAY, IN
[71] SHARMA, RAM PRAKASH, IN
[71] SHARMA, VINAY, IN
[85] 2020-09-21
[86] 2018-11-27 (PCT/IB2018/059331)
[87] (WO2019/106524)
[30] IN (201711042696) 2017-11-28

[21] **3,094,585**
[13] A1

[51] **Int.Cl. C12P 19/04 (2006.01) C12P 19/10 (2006.01)**
[25] EN
[54] **PROCESS FOR THE FERMENTATION OF ASCOMYCOTA**
[54] **PROCESSUS DE FERMENTATION D'ASCOMYCOTA**
[72] SIEKER, TIM, DE
[72] DANZER, LUKAS, DE
[72] DENNEWALD, DANIELLE, DE
[72] ZAVREL, MICHAEL, DE
[72] DIETZ, HEIKO, DE
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2020-09-21
[86] 2019-03-25 (PCT/EP2019/057464)
[87] (WO2019/192873)
[30] EP (18165787.5) 2018-04-04

[21] **3,094,588**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01)**
[25] EN
[54] **ISOTHERMAL REACTIVE CRYSTALLISATION PROCESS FOR THE PREPARATION OF A CRYSTALLINE FORM OF PIMODIVIR HYDROCHLORIDE HEMIHYDRATE**
[54] **PROCEDE DE CRISTALLISATION REACTIVE ISOTHERME POUR LA PREPARATION D'UNE FORME CRISTALLINE D'HEMIHYDRATE DE CHLORHYDRATE DE PIMODIVIR**
[72] COLLAS, ALAIN RUDI G., BE
[72] VANHOEGAERDEN, TIM JOERI, BE
[72] PEETERS, MICHA WILHELMINA JOZEFUS MARIA, BE
[71] JANSSEN PHARMACEUTICALS, INC., US
[85] 2020-09-21
[86] 2019-02-06 (PCT/IB2019/050932)
[87] (WO2019/193428)
[30] EP (18166075.4) 2018-04-06
[30] US (62/654,102) 2018-04-06

[21] **3,094,589**
[13] A1

[51] **Int.Cl. B01F 11/00 (2006.01) B01F 13/00 (2006.01) B01F 15/00 (2006.01) F15B 15/14 (2006.01) F15B 15/28 (2006.01)**
[25] EN
[54] **ADHESIVE AND SEALANT MIXERS WITH AUTOMATIC STROKE LENGTH ADJUSTMENT**
[54] **MELANGEURS D'ADHESIFS ET D'AGENTS D'ETANCHEITE A AJUSTEMENT AUTOMATIQUE DE LA LONGUEUR DE COURSE**
[72] SINGH, GOLDI, US
[72] KUCHINSKI, PAUL, US
[71] PRC-DESOTO INTERNATIONAL, INC., US
[85] 2020-09-21
[86] 2019-03-28 (PCT/IB2019/052530)
[87] (WO2019/186446)
[30] US (15/939,713) 2018-03-29

Demandes PCT entrant en phase nationale

[21] **3,094,591**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01)**
[25] EN
[54] **SPRAY DRYING PROCESS FOR LOW ASPECT RATIO PARTICLES COMPRISING POLY[(METHYL METHACRYLATE)-CO-(METHACRYLIC ACID)]**
[54] **PROCEDE DE SECHAGE PAR PULVERISATION POUR DES PARTICULES A FAIBLE RAPPORT D'ASPECT COMPRENANT DU POLY[(METHACRYLATE DE METHYLE)-CO-(ACIDE METHACRYLIQUE)]**
[72] SHEPARD, KIMBERLY, BE
[72] MORGEN, MICHAEL, BE
[71] CAPSUGEL BELGIUM NV, BE
[85] 2020-09-21
[86] 2019-04-01 (PCT/IB2019/052676)
[87] (WO2019/193488)
[30] US (62/653,852) 2018-04-06

[21] **3,094,592**
[13] A1

[51] **Int.Cl. D04H 1/06 (2012.01) D04H 1/4266 (2012.01) D04H 1/587 (2012.01) D04H 1/58 (2012.01)**
[25] EN
[54] **NONWOVEN FABIC COMPRISED OF CRIMPED BAST FIBERS**
[54] **TISSU NON TISSE CONSTITUE DE FIBRES LIBERIENNES SERTIES**
[72] FINNIS, JASON DAVID, CA
[71] BAST FIBRE TECHNOLOGIES INC., CA
[85] 2020-09-21
[86] 2019-03-22 (PCT/IB2019/052359)
[87] (WO2019/180681)
[30] US (62/647,119) 2018-03-23

[21] **3,094,593**
[13] A1

[51] **Int.Cl. B27N 1/00 (2006.01) B27K 3/15 (2006.01) B27N 3/04 (2006.01) B29C 51/00 (2006.01) C08J 5/06 (2006.01) D04H 1/00 (2006.01) D04H 1/04 (2012.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A DRY-LAID MAT FOR THERMOFORMING**
[54] **PROCEDE DE FABRICATION D'UN MAT DEPOSE PAR VOIE SECHE POUR THERMOFORMAGE**
[72] MAYES, DUNCAN, FI
[72] PYNNONEN, JANNE, FI
[72] TORNBLUM, MARIA, SE
[71] STORA ENSO OYJ, FI
[85] 2020-09-21
[86] 2019-04-03 (PCT/IB2019/052710)
[87] (WO2019/193504)
[30] SE (1850372-2) 2018-04-04

[21] **3,094,594**
[13] A1

[51] **Int.Cl. A61H 1/02 (2006.01) A61H 3/00 (2006.01) A63B 21/00 (2006.01)**
[25] EN
[54] **APPARATUS TO AID WALKING**
[54] **APPAREIL D'AIDE A LA MARCHÉ**
[72] POMEROY, VALERIE MOYRA, GB
[72] HANCOCK, NICOLA JOANNE, GB
[72] ROBINSON, DAVID GEOFFREY, GB
[71] UEA ENTERPRISES LIMITED, GB
[85] 2020-09-21
[86] 2019-03-22 (PCT/GB2019/050817)
[87] (WO2019/180453)
[30] GB (1804717.5) 2018-03-23

[21] **3,094,595**
[13] A1

[51] **Int.Cl. F04F 10/00 (2006.01) A01K 63/10 (2017.01) A01K 63/04 (2006.01) F04F 10/02 (2006.01)**
[25] EN
[54] **SAFETY SYSTEM FOR A FISH-TANK SIPHON**
[54] **SYSTEME DE SECURITE POUR SIPHON DE CITERNE POUR POISSONS**
[72] SENEAL, NATALIE, US
[71] SENEAL, NATALIE, US
[85] 2020-09-21
[86] 2019-03-22 (PCT/IB2019/052370)
[87] (WO2019/180687)
[30] US (62/646,616) 2018-03-22

[21] **3,094,596**
[13] A1

[51] **Int.Cl. A61B 17/70 (2006.01)**
[25] EN
[54] **INTERSPINOUS FUSION DEVICE**
[54] **DISPOSITIF INTER-EPINEUX DE SPONDYLODESE**
[72] BOSIO, LUCA, IT
[72] FERRETTI, LUCA, IT
[72] FORTUNA, LORENZO, IT
[72] GARLATTI, GIANNI, IT
[72] VALLEGGI, RENZO, IT
[71] GRUPPO SCIENZA MACHINALE S.R.L., IT
[71] TECHLAMED S.R.L., IT
[85] 2020-09-21
[86] 2019-03-25 (PCT/IB2019/052415)
[87] (WO2019/180689)
[30] IT (10201800003973) 2018-03-23

[21] **3,094,597**
[13] A1

[51] **Int.Cl. F25B 27/00 (2006.01) F25B 49/02 (2006.01) F25B 5/04 (2006.01) F25B 6/04 (2006.01) F25B 13/00 (2006.01) F25B 25/00 (2006.01)**
[25] EN
[54] **A HYBRID HEAT PUMP**
[54] **POMPE A CHALEUR HYBRIDE**
[72] BOLWELL, MICHAEL ROBIN, GB
[71] BOLWELL, MICHAEL ROBIN, GB
[85] 2020-09-21
[86] 2019-03-22 (PCT/GB2019/050831)
[87] (WO2019/193316)
[30] GB (1805409.8) 2018-04-02
[30] GB (1810323.4) 2018-06-22

[21] **3,094,598**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/10 (2006.01) G01N 21/76 (2006.01)**
[25] EN
[54] **METHODS OF SEQUENCING AND PRODUCING NUCLEIC ACID SEQUENCES**
[54] **PROCEDES DE SEQUENCAGE ET DE PRODUCTION DE SEQUENCES D'ACIDES NUCLEIQUES**
[72] ZHU, TING, CN
[72] LIU, XIANYU, CN
[72] JIANG, WENJUN, CN
[72] WANG, MIN, CN
[71] TSINGHUA UNIVERSITY, CN
[85] 2020-09-21
[86] 2019-04-04 (PCT/IB2019/052752)
[87] (WO2019/193526)
[30] US (62/652,915) 2018-04-05

PCT Applications Entering the National Phase

[21] **3,094,599**
[13] A1

[51] **Int.Cl. A24F 1/30 (2006.01)**
[25] EN
[54] **SHISHA CARTRIDGE**
[54] **CARTOUCHE DE CHICHA**
[72] FERNANDO, FELIX, GB
[72] GONZALEZ FLOREZ, ANA ISABEL, CH
[72] SAADE LATORRE, EVA, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2020-09-21
[86] 2019-05-02 (PCT/IB2019/053595)
[87] (WO2019/211789)
[30] EP (18170471.9) 2018-05-02

[21] **3,094,600**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **ANTI-CD40 ANTIBODIES FOR USE IN PREVENTION OF GRAFT REJECTION**
[54] **ANTICORPS ANTI-CD40 DESTINES A ETRE UTILISES DANS LA PREVENTION DU REJET DE GREFFE**
[72] ESPIE, PASCAL, CH
[72] HARALDSSON, BOERJE, CH
[72] RUSH, JAMES, CH
[71] NOVARTIS AG, CH
[85] 2020-09-21
[86] 2019-04-11 (PCT/IB2019/052976)
[87] (WO2019/198019)
[30] US (62/657,172) 2018-04-13
[30] EP (18208332.9) 2018-11-26

[21] **3,094,601**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **BIOMARKER COMBINATION FOR IDENTIFICATION OF 'AT-RISK' SUBJECTS FOR AKI**
[54] **COMBINAISON DE BIOMARQUEURS POUR L'IDENTIFICATION DE SUJETS 'A RISQUE' POUR AKI**
[72] KURTH, MARY JO, GB
[72] LAMONT, JOHN, GB
[72] FITZGERALD, PETER, GB
[72] RUDDOCK, MARK, GB
[72] MCBRIDE, WILLIAM, GB
[71] RANDOX LABORATORIES LIMITED, GB
[71] BELFAST HEALTH AND SOCIAL CARE TRUST, GB
[85] 2020-09-21
[86] 2019-03-22 (PCT/GB2019/050835)
[87] (WO2019/180463)
[30] GB (1804648.2) 2018-03-22

[21] **3,094,602**
[13] A1

[51] **Int.Cl. H04W 56/00 (2009.01) H04W 36/08 (2009.01)**
[25] EN
[54] **USER TERMINAL**
[54] **EQUIPEMENT UTILISATEUR**
[72] HARADA, HIROKI, JP
[72] TAKAHASHI, HIDEAKI, JP
[71] NTT DOCOMO, INC., JP
[85] 2020-09-21
[86] 2018-03-30 (PCT/JP2018/013951)
[87] (WO2019/187145)

[21] **3,094,603**
[13] A1

[51] **Int.Cl. A61N 5/10 (2006.01) A61B 8/00 (2006.01) A61B 8/08 (2006.01)**
[25] EN
[54] **RADIOTHERAPY PROCESS AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE RADIOTHERAPIE**
[72] FELICI, GIUSEPPE, IT
[72] DI FRANCESCO, MASSIMO, IT
[71] S.I.T.-SORDINA IORT TECHNOLOGIES SPA, IT
[85] 2020-09-21
[86] 2019-03-27 (PCT/IT2019/050067)
[87] (WO2019/193616)
[30] IT (102018000004199) 2018-04-04
[30] IT (102018000004953) 2018-04-27
[30] IT (102018000008048) 2018-08-10

[21] **3,094,606**
[13] A1

[51] **Int.Cl. C12N 1/15 (2006.01) C12P 21/00 (2006.01) C12P 21/02 (2006.01) C12N 9/42 (2006.01) C12N 15/31 (2006.01)**
[25] EN
[54] **TRICHODERMA REESEI MUTANT AND PROTEIN PRODUCTION METHOD**
[54] **MUTANT DE TRICHODERMA REESEI ET PROCEDE DE PRODUCTION DE PROTEINE**
[72] KAGAWA, YUSUKE, JP
[72] SAITO, HARUKA, JP
[72] HIRAMATSU, SHINGO, JP
[72] YAMADA, KATSUSHIGE, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2020-09-21
[86] 2019-03-25 (PCT/JP2019/012505)
[87] (WO2019/188980)
[30] JP (2018-057616) 2018-03-26

[21] **3,094,612**
[13] A1

[51] **Int.Cl. G08B 5/36 (2006.01) H04W 64/00 (2009.01) G01S 19/17 (2010.01) G01S 19/51 (2010.01) B64C 39/02 (2006.01) B64D 47/08 (2006.01) G01S 5/00 (2006.01) G01S 5/02 (2010.01) G08B 21/02 (2006.01) G08B 25/00 (2006.01) G08B 25/01 (2006.01)**
[25] EN
[54] **WATER-BORNE BEACON DETECTION SYSTEM FOR MISSING PERSONS**
[54] **SYSTEME DE DETECTION DE BALISE SUR L'EAU SERVANT A DES PERSONNES DISPARUES**
[72] GILLUM, ELIOT, US
[72] LAU, KEVIN HO WING, US
[71] VECTOR FLIGHT LLC, US
[85] 2020-09-21
[86] 2019-03-19 (PCT/US2019/023023)
[87] (WO2019/183134)
[30] US (62/644,786) 2018-03-19
[30] US (62/745,844) 2018-10-15

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[21] **3,094,618**
[13] A1

[51] **Int.Cl. E21B 23/04 (2006.01)**
[25] EN
[54] **ACTUATION TRIGGER
DECLENCHEUR
D'ACTIONNEMENT**
[72] O'BRIEN, ROBERT, US
[72] HAMMER, AARON, US
[72] WOULDWIJK, ROY, US
[71] BAKER HUGHES HOLDINGS LLC,
US
[85] 2020-09-21
[86] 2019-03-21 (PCT/US2019/023315)
[87] (WO2019/183316)
[30] US (62/646,230) 2018-03-21

[21] **3,094,620**
[13] A1

[51] **Int.Cl. C07D 403/12 (2006.01) A61K
51/04 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PSMA-TARGETED
RADIOPHARMACEUTICAL FOR
DIAGNOSING AND TREATING
PROSTATE CANCER
AGENTS
RADIOPHARMACEUTIQUES
CIBLES SUR PSMA POUR LE
DIAGNOSTIC ET LE
TRAITEMENT DU CANCER DE
LA PROSTATE**
[72] CHI, DAE YOON, KR
[72] LEE, BYOUNG SE, KR
[72] CHU, SO YOUNG, KR
[72] JEONG, HYEON JIN, KR
[72] KIM, MIN HWAN, KR
[71] FUTURECHEM CO., LTD., KR
[85] 2020-09-21
[86] 2019-03-29 (PCT/KR2019/003716)
[87] (WO2019/190266)
[30] KR (10-2018-0037226) 2018-03-30

[21] **3,094,624**
[13] A1

[51] **Int.Cl. A61K 31/7088 (2006.01) C07H
21/04 (2006.01) C12N 5/00 (2006.01)
C12N 9/14 (2006.01) C12N 15/00
(2006.01) C12N 15/63 (2006.01) C12P
21/06 (2006.01)**
[25] EN
[54] **GENETIC MODIFICATION OF
MITOCHONDRIAL GENOMES
MODIFICATION GENETIQUE DE
GENOMES MITOCHONDRIAUX**
[72] ZHANG, LEI, US
[72] MINCZUK, MICHAL, GB
[72] GAMMAGE, PAYAM A., GB
[71] SANGAMO THERAPEUTICS, INC.,
US
[71] THE CHANCELLOR, MASTERS
AND SCHOLARS OF THE
UNIVERSITY OF CAMBRIDGE, GB
[71] MINCZUK, MICHAL, GB
[71] GAMMAGE, PAYAM A., GB
[85] 2020-09-21
[86] 2019-03-21 (PCT/US2019/023359)
[87] (WO2019/183349)
[30] US (62/646,156) 2018-03-21

[21] **3,094,625**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K
31/00 (2006.01)**
[25] EN
[54] **LIVER PROTECTANT
COMPOSITIONS AND
THERAPEUTIC APPLICATIONS
COMPOSITIONS PROTECTRICES
DU FOIE ET APPLICATIONS
THERAPEUTIQUES**
[72] MAJEED, MUHAMMAED, US
[72] NAGABHUSHANAM, KALYANAM,
US
[72] MUNDKUR, LAKSHMI, IN
[71] SAMI LABS LIMITED, IN
[85] 2020-09-21
[86] 2019-03-21 (PCT/US2019/023327)
[87] (WO2019/183325)
[30] US (62/647,041) 2018-03-23

[21] **3,094,637**
[13] A1

[51] **Int.Cl. G02B 5/20 (2006.01) B82Y
30/00 (2011.01) C08L 1/04 (2006.01)
G02B 5/22 (2006.01)**
[25] EN
[54] **TRANSPARENT AND
HOMOGENOUS CELLULOSE
NANOCRYSTAL-LIGNIN UV
PROTECTION FILMS
FILMS PROTECTEURS CONTRE
LES RAYONS UV,
TRANSPARENTS ET
HOMOGENES, A BASE DE
NANOCRYSTAUX DE CELLULOSE
ET DE LIGNINE**
[72] JIANG, ZHIHUA, US
[72] PARIT, MAHESH, US
[71] AUBURN UNIVERSITY, US
[85] 2020-09-21
[86] 2019-03-20 (PCT/US2019/023083)
[87] (WO2019/183166)
[30] US (62/645,581) 2018-03-20

[21] **3,094,639**
[13] A1

[51] **Int.Cl. C10L 1/223 (2006.01) C10M
169/04 (2006.01)**
[25] EN
[54] **LUBRICANT COMPOSITION
COMPOSITION LUBRIFIANTE**
[72] HOEY, MICHAEL D., US
[72] CHASAN, DAVID ELIEZER, US
[72] SCHOONMAKER, JEFFREY, US
[72] FENTON, RYAN, US
[71] BASF SE, DE
[71] HOEY, MICHAEL D., US
[85] 2020-09-21
[86] 2019-03-20 (PCT/US2019/023113)
[87] (WO2019/183187)
[30] US (62/645,272) 2018-03-20

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[21] **3,094,640**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) A61B 10/00 (2006.01) G01N 1/08 (2006.01) G01N 1/28 (2006.01)**

[25] EN

[54] **METHOD FOR STABILIZING HEMOGLOBIN AND REAGENTS FOR PERFORMING THE SAME**

[54] **PROCEDE DE STABILISATION D'HEMOGLOBINE ET REACTIFS POUR SA MISE EN OEUVRE**

[72] FOURRIER, KEITH D., US

[72] HENNEK, JACQUELYN T., US

[72] DOMANICO, MICHAEL J., US

[72] WEISBURG, WILLIAM G., US

[72] LIDGARD, GRAHAM P., US

[72] HARINGS, KATHLEEN S., US

[72] SIMPSON, DANIEL J., US

[71] EXACT SCIENCES CORPORATION, US

[85] 2020-09-21

[86] 2019-03-15 (PCT/US2019/022598)

[87] (WO2019/190787)

[30] US (62/648,874) 2018-03-27

[30] US (62/685,248) 2018-06-14

[21] **3,094,641**
[13] A1

[51] **Int.Cl. A61B 17/03 (2006.01) A61B 17/11 (2006.01)**

[25] EN

[54] **RETENTION SUTURE ASSEMBLY**

[54] **ENSEMBLE DE SUTURE DE RETENTION**

[72] UMAR, SANUSI, US

[71] UMAR, SANUSI, US

[85] 2020-09-21

[86] 2019-03-20 (PCT/US2019/023188)

[87] (WO2019/183233)

[30] US (62/645,798) 2018-03-21

[21] **3,094,644**
[13] A1

[51] **Int.Cl. C07K 14/435 (2006.01)**

[25] EN

[54] **SEPARATION OF VWF AND VWF PROPEPTIDE BY CHROMATOGRAPHIC METHODS**

[54] **SEPARATION DE VWF ET DE PROPEPTIDE DE VWF PAR DES PROCEDES CHROMATOGRAPHIQUES**

[72] FIEDLER, CHRISTIAN, AT

[72] HASSLACHER, MEINHARD, AT

[72] MAYER, CHRISTA, AT

[71] BAXALTA INCORPORATED, US

[71] BAXALTA GMBH, CH

[85] 2020-09-21

[86] 2019-03-20 (PCT/US2019/023269)

[87] (WO2019/183290)

[30] US (62/646,109) 2018-03-21

[21] **3,094,649**
[13] A1

[25] EN

[54] **ATTRACT-REPEL PATH PLANNER SYSTEM FOR COLLISION AVOIDANCE**

[54] **SYSTEME DE PLANIFICATION DE TRAJET A ATTRACTION-REPULSION PERMETTANT UN EVITEMENT DE COLLISION**

[72] PAGLIERONI, DAVID W., US

[72] CHAMBERS, DAVID, US

[72] BEER, N. REGINALD, US

[71] PAGLIERONI, DAVID W., US

[71] CHAMBERS, DAVID, US

[71] BEER, N. REGINALD, US

[85] 2020-09-15

[86] 2017-04-12 (PCT/US2017/027260)

[87] (WO2018/190834)

[21] **3,094,651**
[13] A1

[51] **Int.Cl. C10M 147/04 (2006.01) C10M 169/04 (2006.01)**

[25] EN

[54] **NOVEL FLUORINATED POLYACRYLATES ANTIFOAMS IN ULTRA-LOW VISCOSITY (<5 CST) FINISHED FLUIDS**

[54] **NOUVEAUX ANTI-MOUSSES A BASE DE POLYACRYLATES FLUORES DANS DES FLUIDES FINIS A ULTRA-BASSE VISCOSITE (<5 CST)**

[72] PERERA, SUJITH, US

[72] HUGHES, KEVIN J., US

[72] SCHIFERL, ELIZABETH A., US

[72] NICKERSON, DAVID M., US

[72] SMITH, ALONZO, US

[71] THE LUBRIZOL CORPORATION, US

[85] 2020-09-21

[86] 2019-03-21 (PCT/US2019/023387)

[87] (WO2019/183365)

[30] US (62/646,061) 2018-03-21

[21] **3,094,654**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/021 (2006.01) A61B 5/024 (2006.01) A61B 5/0245 (2006.01) A61B 5/0404 (2006.01) A61B 5/0408 (2006.01) A61B 5/0456 (2006.01) A61B 5/046 (2006.01) A61B 5/1455 (2006.01) A61B 8/02 (2006.01)**

[25] EN

[54] **METHOD TO ANALYZE CARDIAC RHYTHMS USING BEAT-TO-BEAT DISPLAY PLOTS**

[54] **PROCEDE D'ANALYSE DU RYTHME CARDIAQUE UTILISANT DES REPRESENTATIONS GRAPHIQUES BATTEMENT PAR BATTEMENT**

[72] BALMFORTH, PETER, NO

[72] SPENCER, DARREN, GB

[71] DP HOLDING (U.K.) LIMITED, GB

[85] 2020-09-21

[86] 2019-03-27 (PCT/EP2019/057810)

[87] (WO2019/185768)

[30] GB (1804933.8) 2018-03-27

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] **3,064,395**
[13] A1

[51] **Int.Cl. F25C 3/00 (2006.01) F25D 3/10 (2006.01) G01M 9/02 (2006.01) G01M 9/04 (2006.01)**

[25] EN

[54] **ICE CRYSTAL ICING CONDITION SIMULATION METHOD AND SYSTEM**

[54]

[72] MEIS, CHARLES STEVEN, US

[72] LANGHOFER, ERIK M., US

[72] HASS, DAVID CHARLES, US

[72] DARR, RACHEL M., US

[71] THE BOEING COMPANY, US

[22] 2019-12-09

[41] 2020-06-10

[30] US (16/215366) 2018-12-10

[21] **3,072,822**
[13] A1

[51] **Int.Cl. A24C 5/40 (2006.01) A24F 17/00 (2006.01) A24F 23/00 (2006.01)**

[25] FR

[54]

[54] **RECEPTABLE REPLIABLE POUR DU TABAC EN VRAC ET CARNET REPLIABLE QUI L'INTEGRE**

[72] PARTOUCHE, OLIVIER, ES

[71] REPUBLIC TECHNOLOGIES (NA) LLC, US

[22] 2020-02-17

[41] 2020-08-26

[30] FR (1901969) 2019-02-26

[21] **3,080,452**
[13] A1

[51] **Int.Cl. G05B 19/042 (2006.01) H04W 52/02 (2009.01) F24F 11/50 (2018.01) H04W 4/021 (2018.01) H05B 47/19 (2020.01)**

[25] EN

[54] **LOAD CONTROL SYSTEM RESPONSIVE TO THE LOCATION OF AN OCCUPANT AND/OR MOBILE DEVICE**

[54] **SYSTEME DE REGULATION DE LA CHARGE QUI REpond A L'EMPLACEMENT DU PASSAGER ET/OU DU DISPOSITIF MOBILE**

[72] BAKER, RHODES B., US

[72] CAMDEN, RICHARD S., US

[72] KUMAR, SANJEEV, US

[71] LUTRON TECHNOLOGY COMPANY LLC, US

[22] 2016-08-05

[41] 2017-02-09

[62] 2,994,695

[30] US (62/201,522) 2015-08-05

[21] **3,089,705**
[13] A1

[51] **Int.Cl. A47L 25/00 (2006.01) A01G 3/02 (2006.01) A01G 3/08 (2006.01) B08B 1/04 (2006.01)**

[25] EN

[54] **PRUNER CLEANER**

[54]

[72] TIMONEY, DAVID, US

[72] TIMONEY, JONATHAN, US

[72] TUPPER, ROBERT, US

[71] TIMONEY, DAVID, US

[71] TIMONEY, JONATHAN, US

[71] TUPPER, ROBERT, US

[22] 2020-08-11

[41] 2020-09-07

[30] US (62/815,206) 2019-03-07

[30] US (16/403,480) 2019-05-03

[30] US (16/708,380) 2019-12-09

[21] **3,093,383**
[13] A1

[51] **Int.Cl. C07K 14/605 (2006.01) A61K 38/26 (2006.01) A61P 1/16 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) C07K 14/575 (2006.01) C07K 14/72 (2006.01)**

[25] EN

[54] **CO-AGONISTS OF THE GLUCAGON AND GLP-1 RECEPTORS**

[54]

[72] CARRINGTON, PAUL E., US

[72] DENG, QIAOLIN, US

[72] NARGUND, RAVI, US

[72] PALANI, ANANDAN, US

[72] TUCKER, THOMAS JOSEPH, US

[72] WU, CHENGWEI, US

[72] BIANCHI, ELISABETTA, IT

[72] ORVIETO, FEDERICA, IT

[72] PESSI, ANTONELLO, IT

[71] MERCK SHARP & DOHME CORP., US

[22] 2015-10-22

[41] 2016-04-28

[62] 2,964,379

[30] US (62/068,157) 2014-10-24

[30] US (62/208,869) 2015-08-24

[21] **3,093,411**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01)**

[25] EN

[54] **ONLINE LENDING METHOD, AND DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM**

[54]

[72] ZHANG, YI, CN

[71] 10353744 CANADA LTD., CA

[22] 2015-05-29

[41] 2016-12-08

[62] 2,987,674

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[21] **3,093,425**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **ONLINE LENDING METHOD, AND DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM**

[54] **PROCEDE DE PRET EN LIGNE, ET PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'INTERACTION DE DONNEES**

[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-05-29
[41] 2016-12-08
[62] 2,987,674

[21] **3,093,427**
[13] A1

[25] EN
[54] **COMPOSITIONS COMPRISING 1,1,1,2,3-PENTAFLUOROPROPANE OR 2,3,3,3-TETRAFLUOROPROPENE**

[54] MAHLER, BARRY ASHER, US
[72] NAPPA, MARIO JOSEPH, US
[72] KNAPP, JEFFREY P., US
[71] THE CHEMOURS COMPANY FC, LLC, US
[22] 2009-05-07
[41] 2009-11-12
[62] 2,951,305
[30] US (61/126,813) 2008-05-07

[21] **3,093,435**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **ONLINE LENDING METHOD, AND DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM**

[54] **PROCEDE DE PRET EN LIGNE, ET PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'INTERACTION DE DONNEES**

[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-05-29
[41] 2016-12-08
[62] 2,987,674

[21] **3,093,442**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **ONLINE LENDING METHOD, AND DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM**

[54] **PROCEDE DE PRET EN LIGNE, ET PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'INTERACTION DE DONNEES**

[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-05-29
[41] 2016-12-08
[62] 2,987,674

[21] **3,093,465**
[13] A1

[51] **Int.Cl. G06Q 50/34 (2012.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR INJURY DETECTION AND USE THEREOF IN BETTING**

[54] **APPAREIL ET PROCEDE POUR DETECTER LES BLESSURES ET LEUR UTILISATION DANS LES PARIS**

[72] ALDERUCCI, DEAN P., US
[72] GELMAN, GEOFFREY M., US
[71] CFPH, LLC, US
[22] 2007-10-08
[41] 2008-04-10
[62] 2,665,481
[30] US (60/828,516) 2006-10-06

[21] **3,093,599**
[13] A1

[25] EN
[54] **FUNGICIDAL COMPOSITIONS**

[54] **COMPOSITIONS FONGICIDES**

[72] WALTER, HARALD, CH
[72] STIERLI, DANIEL, CH
[71] SYNGENTA PARTICIPATIONS AG, CH
[22] 2011-09-28
[41] 2012-04-05
[62] 2,810,484
[30] EP (10185310.9) 2010-10-01
[30] EP (10189918.5) 2010-11-04

[21] **3,093,601**
[13] A1

[51] **Int.Cl. H04H 60/82 (2009.01) H04L 12/701 (2013.01) H04W 4/30 (2018.01) H04L 9/08 (2006.01) H04L 12/16 (2006.01)**

[25] EN
[54] **APPARATUS AND METHODS FOR CONTENT DISTRIBUTION TO PACKET-ENABLED DEVICES VIA A NETWORK BRIDGE**

[54] PFEFFER, HOWARD, US
[72] PACI, NOAH, US
[72] NAKHRE, TUSHAR, US
[72] DANFORTH, ANDREW, US
[71] TIME WARNER CABLE ENTERPRISES LLC, US
[22] 2013-02-20
[41] 2013-08-23
[62] 2,806,713
[30] US (13/403,814) 2012-02-23

[21] **3,093,606**
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/0783 (2010.01) A61K 47/68 (2017.01) A61K 38/20 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07K 1/18 (2006.01) C07K 14/55 (2006.01) C07K 16/00 (2006.01) C12N 15/62 (2006.01)**

[25] EN
[54] **HETERODIMERIC PROTEINS FOR INDUCTION OF T CELLS**

[54] **PROTEINES HETERODIMETRIQUES POUR L'INDUCTION DE CELLULES T**

[72] CHU, SEUNG, US
[72] WICKRAMARACHICHI, DILKI, US
[72] BERNETT, MATTHEW J., US
[72] DESJARLAIS, JOHN, US
[71] XENCOR, INC., US
[22] 2014-03-17
[41] 2014-09-18
[62] 2,906,927
[30] US (61/800,743) 2013-03-15
[30] US (61/911,438) 2013-12-03

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,093,685**
[13] A1

[51] **Int.Cl. A63B 55/53 (2015.01) A63B 55/50 (2015.01) A63B 55/57 (2015.01) A45F 3/02 (2006.01) A63B 55/10 (2006.01)**

[25] EN

[54] **SUB-ASSEMBLY FOR A GOLF BAG AND A GOLF BAG SYSTEM FOR RECIPIENT SELF-ASSEMBLY**

[54] **SOUS-ENSEMBLE POUR UN SAC DE GOLF, ET SYSTEME DE SAC DE GOLF POUR AUTO-ASSEMBLAGE DE CONTENANT**

[72] MARTELL, JAMES, US

[72] LOUDENSLAGER, JOHN, US

[72] MCGUIRE, BRIAN, US

[72] BRUCE, RYAN, US

[72] HIGDON, DAVID, US

[71] KARSTEN MANUFACTURING CORPORATION, US

[22] 2016-03-02

[41] 2016-09-09

[62] 2,978,564

[30] US (62/127,033) 2015-03-02

[30] US (62/151,155) 2015-04-22

[30] US (62/211,568) 2015-08-28

[30] US (62/295,567) 2016-02-16

[21] **3,093,736**
[13] A1

[25] EN

[54] **LIMB REHABILITATION DEVICE**

[54] **DISPOSITIF DE READAPTATION DE MEMBRE**

[72] TURNER, PETER ANTHONY, CA

[72] GRADILONE, DINO, CA

[71] KUSU INC., CA

[22] 2015-11-03

[41] 2016-05-12

[62] 2,975,281

[30] US (62/074,380) 2014-11-03

[21] **3,093,754**
[13] A1

[51] **Int.Cl. A61M 16/08 (2006.01) A61M 16/10 (2006.01) A61M 16/16 (2006.01)**

[25] EN

[54] **COMPONENTS FOR MEDICAL CIRCUITS**

[54] **ELEMENTS POUR CIRCUITS MEDICAUX**

[72] GIERKE, TIMOTHY DEE, US

[72] MILNE, ROBERT ANDREW DAVID, NZ

[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[22] 2014-03-14

[41] 2014-09-18

[62] 2,907,069

[30] US (61/789,754) 2013-03-15

[30] US (61/790,424) 2013-03-15

[30] US (61/925,099) 2014-01-08

[21] **3,093,770**
[13] A1

[51] **Int.Cl. H04W 4/30 (2018.01) H04H 60/33 (2009.01) H04N 21/258 (2011.01)**

[25] EN

[54] **SYSTEMS, METHODS, AND APPARATUS TO MONITOR MOBILE INTERNET ACTIVITY**

[54] **SYSTEMES, PROCEDES ET APPAREIL DE SURVEILLANCE DE L'ACTIVITE INTERNET MOBILE**

[72] PAPAKOSTAS, ACHILLEAS, US

[72] YONKER, MICHAEL, US

[71] THE NIELSEN COMPANY (US), LLC, US

[22] 2011-08-15

[41] 2012-02-14

[62] 2,749,013

[30] US (12/856,651) 2010-08-14

[21] **3,093,803**
[13] A1

[51] **Int.Cl. F41C 27/00 (2006.01) F41A 17/06 (2006.01) F41G 3/04 (2006.01)**

[25] EN

[54] **FIREARM ELECTRONIC SYSTEM**

[54] **SYSTEME ELECTRONIQUE D'ARME A FEU**

[72] KAPOGIANIS, VASILIOS K., US

[72] AGUILAR, STEVE I., US

[72] PICO, DANIEL, US

[71] VK INTEGRATED SYSTEMS, INC., US

[22] 2017-02-03

[41] 2017-10-26

[62] 3,013,763

[30] US (62/290,785) 2016-02-03

[21] **3,093,904**
[13] A1

[51] **Int.Cl. A45B 9/00 (2006.01) A45B 7/00 (2006.01) A45B 9/02 (2006.01) A45B 9/04 (2006.01) A61H 3/00 (2006.01)**

[25] EN

[54] **AMBULATORY AID**

[54]

[72] SWERDLOW, LINDA SMITH, US

[71] ALIGNED AS DESIGNED, LLC, US

[22] 2018-09-21

[41] 2019-03-22

[62] 3,036,686

[30] US (15/713036) 2017-09-22

[21] **3,093,987**
[13] A1

[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **METHOD AND DEVICE FOR DATA EXCHANGE PROCESSING AND ONLINE FUNDING METHOD**

[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT D'ECHANGE DE DONNEES ET PROCEDE DE FINANCEMENT EN LIGNE**

[72] ZHANG, YI, CN

[71] 10353744 CANADA LTD., CA

[22] 2015-09-16

[41] 2017-03-23

[62] 2,997,631

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[21] **3,093,988**
[13] A1

[51] **Int.Cl. A61K 33/24 (2019.01) A61K 8/21 (2006.01) A61K 8/22 (2006.01) A61K 8/24 (2006.01) A61K 8/41 (2006.01) A61K 8/46 (2006.01) A61K 31/185 (2006.01) A61K 31/198 (2006.01) A61P 1/02 (2006.01) A61P 31/00 (2006.01) A61P 31/04 (2006.01) A61Q 15/00 (2006.01)**

[25] EN

[54] **REDUCTION OF TOOTH STAINING DERIVED FROM CATIONIC ANTIMICROBIALS**

[54] **REDUCTION DU MARQUAGE DES DENTS PROVENANT DE PRODUITS ANTIMICROBIENS CATIONIQUES**

[72] SCOTT, DOUGLAS CRAIG, US
[72] RAMJI, NIRANJAN, US
[71] THE PROCTER & GAMBLE COMPANY, US

[22] 2013-06-21
[41] 2013-12-27
[62] 2,874,016
[30] US (13/529,044) 2012-06-21

[21] **3,093,994**
[13] A1

[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **METHOD AND DEVICE FOR DATA EXCHANGE PROCESSING AND ONLINE FUNDING METHOD**

[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT D'ECHANGE DE DONNEES ET PROCEDE DE FINANCEMENT EN LIGNE**

[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-09-16
[41] 2017-03-23
[62] 2,997,631

[21] **3,094,011**
[13] A1

[51] **Int.Cl. G06F 21/62 (2013.01)**

[25] EN

[54] **SYSTEM AND METHODS FOR USING CIPHER OBJECTS TO PROTECT DATA**

[54] **SYSTEMES ET PROCEDES D'UTILISATION D'OBJETS DE CHIFFREMENT POUR PROTEGER DES DONNEES**

[72] SMITH, GREGORY SCOTT, US
[72] SMITH WEED, MELANI LEIGH, US
[72] FISCHER, DANIEL MICHAEL, US
[72] RIDENOUR, ELKE M., US
[71] SERTAINTY CORPORATION, US

[22] 2015-04-17
[41] 2016-01-07
[62] 2,946,141
[30] US (61/980,617) 2014-04-17

[21] **3,094,159**
[13] A1

[51] **Int.Cl. G06N 5/02 (2006.01)**

[25] EN

[54] **METHODS AND DEVICES FOR CUSTOMIZING KNOWLEDGE REPRESENTATION SYSTEMS**

[54]

[72] ILYAS, IHAB FRANCIS, CA
[72] SWEENEY, PETER JOSEPH, CA
[71] PRIMAL FUSION INC., CA

[22] 2013-03-25
[41] 2014-03-13
[62] 2,886,202
[30] US (13/609,218) 2012-09-10
[30] US (13/609,223) 2012-09-10
[30] US (13/609,225) 2012-09-10
[30] US (13/844,009) 2013-03-15

[21] **3,094,226**
[13] A1

[51] **Int.Cl. G06Q 20/38 (2012.01)**

[25] EN

[54] **CROSS-FUNDS MANAGEMENT SERVER-BASED PAYMENT SYSTEM, AND METHOD, DEVICE AND SERVER THEREFOR**

[54] **SYSTEME DE PAIEMENT BASE SUR UN SERVEUR DE GESTION DE FONDS CROISES, ET PROCEDE, DISPOSITIF ET SERVEUR ASSOCIES**

[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-05-28
[41] 2016-11-03
[62] 2,987,803
[30] CN (201510219358.8) 2015-04-30

[21] **3,094,231**
[13] A1

[51] **Int.Cl. G06Q 20/38 (2012.01)**

[25] EN

[54] **PAYMENT SYSTEM BASED ON SHARED FUNDS-MANAGEMENT SERVER, AND METHOD, DEVICE AND SERVER THEREFOR**

[54]

[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA

[22] 2015-05-28
[41] 2016-11-03
[62] 2,988,804
[30] CN (201510219328.7) 2015-04-30

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ARMATA, MITCHELL	3,038,374	BUTT, NEIL	3,077,781	CROMPTON TECHNOLOGY	
ARVANITIS, STEVE	3,077,163	CACCIABEVE, ROBERT	3,077,192	GROUP LIMITED	3,065,229
AVID LABS, LLC	3,077,025	CANADIAN NATURAL		CROMPTON TECHNOLOGY	
AVIV, YARON	3,076,946	UPGRADING LIMITED	3,077,725	GROUP LIMITED	3,065,239
AXENS	3,077,258	CANNON, ROGER STEVEN	3,038,543	CROMPTON TECHNOLOGY	
B/E AEROSPACE, INC.	3,062,673	CANOPY GROWTH		GROUP LIMITED	3,065,243
B/E AEROSPACE, INC.	3,064,413	CORPORATION	3,077,541	CROMPTON TECHNOLOGY	
BADRAN, HIBA	3,038,135	CANZI, LUIGI	3,075,335	GROUP LIMITED	3,065,254
BAGHERNEZHAD, FARZAD	3,075,322	CARBON BLACK SPECIALTY		CUPIDO, WILFRED JEROME	3,038,929
BAILEY, BENJAMIN T.	3,062,673	SERVICES LTD.	3,077,565	CURTIS, JOHNNY GLENN	3,077,545
BARDEN, MARIA MCCALL	3,077,070	CARRIER CORPORATION	3,075,767	D'ACCOLTI, ANTHONY V.	3,077,772
BARON, CHRISTOPHER S.	3,077,565	CEBRIAN HERNANDO,		DA COSTA, PAULO	3,077,252
BAUER HOCKEY LTD.	3,077,549	VIRGINIA	3,077,754	DAMJANOVIC, SRDJAN	3,073,651
BEARDSLEY, JOHN W.	3,077,467	CEBRIAN HERNANDO,		DANIELI & C. OFFICINE	
BELANGER-GARNIER,		VIRGINIA	3,077,767	MECCANICHE S.P.A.	3,077,252
VICTOR	3,077,297	CERTAINTED LLC	3,077,486	DATTA, PROBAL K.	3,077,296
BELLUARD, DIDIER	3,077,239	CHAHAL, JASRAJ	3,077,511	DAVIS, MELANIE LYNN	3,077,035
BENSON, KEITH A.	3,077,747	CHANDLER, MICHAEL ADAM	3,085,878	DE BOLD, ALEJANDRO J.	3,087,900
BERGERON, SEBASTIEN	3,073,699	CHART ENERGY &		DE HAAS, THOMAS	3,075,568
BERNARD, JAMES WILLIAM	3,065,229	CHEMICALS, INC.	3,077,576	DE RAI, LUCA GIORGIO	
BERNARD, JAMES WILLIAM	3,065,239	CHEGOUNIAN, PARISA	3,077,231	MARIA	3,077,001
BERNARD, JAMES WILLIAM	3,065,243	CHENG, XIAOGE	3,038,171	DEERE & COMPANY	3,069,932

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DEERE & COMPANY	3,071,747	FORMULATED MATERIALS		HOWE, DAVID B.	3,077,204
DEES, PAUL W.	3,069,350	LLC	3,077,825	HRUPP, JOZE J.	3,064,216
DELTEIL, JAUFFRAY	3,077,258	FOSTER, ALAN	3,077,493	HSU, HUNG HSIANG	3,069,218
DENTON, GARY A.	3,038,543	FREI, RANDALL WAYNE	3,065,997	HU, NAN-XING	3,077,065
DENTON, GARY A.	3,038,545	FRIEDLOS, CHRISTOPH	3,076,354	HUGGINS, MARK	3,077,159
DETERT, BRUCE R.	3,069,350	FRIEDRICH, THOMAS	3,066,156	HUI, BING	3,077,214
DEYORK LTD.	3,069,218	FRIESEN, JED CHRISTOPHER	3,077,461	HULME, LEONARD D.	3,081,190
DHALIWAL, AMANJEET	3,077,285	FRUSINA, CRISTIAN	3,087,664	HUNTER DOUGLAS INC.	3,077,080
DHALIWAL, IQBAL	3,038,559	FT HOLDINGS INC.	3,077,185	IANNI, JOHN J.	3,077,070
DIAMONDSTONE, DANIEL R.	3,076,201	FUKUDA, SHINJI	3,077,552	IAROV, ALEXEI	3,077,296
DINAN, ESMAEL	3,077,214	FUSION HOLDINGS LIMITED	3,077,186	IAVICOLI, MATTEO	3,077,141
DIXON VALVE & COUPLING COMPANY, LLC	3,077,457	GARCIA AGUADO, CARLOS	3,077,754	IBEO AUTOMOTIVE SYSTEMS GMBH	3,074,628
DODGE, JAMES ROBERT	3,076,508	GARCIA AGUADO, CARLOS	3,077,767	IGO, JOHN	3,077,825
DONAHUE, LUANA		GARCIA, GUSTAVO MARCELO	3,085,856	ILLINOIS TOOL WORKS INC.	3,070,304
JORGENSEN	3,077,725	GARG, MANISH	3,038,751	ILLINOIS TOOL WORKS INC.	3,076,152
DONGGUAN SHICHANG METALS FACTORY LTD.	3,077,056	GARG, RAGHAV	3,038,751	INNIO JENBACHER GMBH & CO OG	3,038,636
DONNELLY, PAUL	3,077,456	GESSESE, ANDINET AMARE	3,038,326	INTERFACE FLUIDICS LTD.	3,075,568
DONNELLY, PAUL	3,077,459	GIANNAKOPOULOS, IOANNIS	3,065,243	ISBITSKY STANLEY	3,077,216
DORAI HOME, INC.	3,077,877	GILKISON, BRIAN A.	3,064,688	ISLAM, WALIUL	3,053,885
DOYON, FRANCOIS	3,074,854	GOLDBERG, MICHAEL S.	3,077,080	JACKSON, MARK A.	3,077,070
DRUMMON, JAMES PAUL	3,038,543	GOLDSMITH, JAMES D.	3,077,576	JACKSON, MICHAEL P.	3,077,473
DRUMMOND, JAMES PAUL	3,038,545	GOLOVIN, KEVIN	3,087,746	JACKSON, MICHAEL P.	3,077,473
DUBOIS, JEAN-LUC	3,077,239	GOMEZ, NAYIBE	3,076,773	JANTZI, JASON WAYNE	3,073,651
DUBREUIL, JEAN	3,077,074	GOODOC, LLC	3,038,751	JAYNES, DAN R.	3,077,532
DUBREUIL, JEAN	3,077,078	GOODRICH CORPORATION	3,063,122	JENKINS, MATTHEW T.	3,038,315
DUBREUIL, JEAN	3,077,082	GOODRICH CORPORATION	3,063,256	JEON, HYOUNGSUK	3,077,214
DUCHARME, MATHIEU	3,077,549	GOODRICH CORPORATION	3,063,265	JESSEM PRODUCTS LIMITED	3,077,079
DUNHOLTER, PAUL	3,038,278	GOODRICH CORPORATION	3,063,878	JOCKSCH, ADAM PAUL	3,073,651
DUNJIC, MILOS	3,038,297	GORSHTHEIN, GREGORY	3,076,774	JOHEB, ASAD	3,038,786
DUNJIC, MILOS	3,038,786	GORSHTHEIN, GREGORY	3,076,778	JOHNSON, LIONEL	3,038,786
DUONG, HIEN	3,075,159	GOTSCH, DANIEL	3,038,584	JOHNSON, ROBERT	3,038,935
DURAND, DIDIER	3,077,784	GPCP IP HOLDINGS LLC	3,076,051	JOUAN, FRANCOIS	3,077,216
EAGLE TECHNOLOGY, LLC	3,077,670	GPCP IP HOLDINGS LLC	3,076,148	JULIEN, ANDRE	3,073,699
ECKHOUS, JEREMY P.	3,039,963	GRAY, NATHANIEL M.	3,065,239	JUNIPER NETWORKS, INC.	3,065,997
EL ABIDINE, KHALDOUN ZINE	3,077,081	GU, JAE HUN	3,062,673	JUVERDIANU, CRISTIAN- LEONARDO	3,077,456
EL EMAM, KHALED	3,077,081	HAAGSMA, JULIAN	3,075,568	KAMEL, MAJID	3,077,070
ENREACH HOT TAP SERVICES INC.	3,077,285	HAIGH, DUSTIN	3,038,194	KARMELICH, MARK	3,038,278
ERDMAN, JACOB D.	3,077,473	HALLER, MITCHELL J.	3,057,954	KARST, AUSTIN J.	3,071,747
ETTENSON, GREG	3,077,141	HAMILTON, GARY WAYNE, II	3,076,960	KAWADA, TSUYOSHI	3,077,274
EVOLUTION OPTIKS LIMITED	3,038,584	HAMILTON, GARY WAYNE, II	3,076,973	KEENAN, PAUL	3,038,946
EXACTA-FRAC ENERGY SERVICES, INC.	3,064,216	HAROUX, CHRISTIAN	3,077,239	KEENAN, PAUL	3,077,684
FALKBUILT LTD.	3,076,354	HATCH DIGITAL INC.	3,087,900	KETTY, JOHN	3,039,963
FASTER S.R.L.	3,075,335	HATHERLY, SARA	3,038,786	KILLEEN, KELLY ANN	3,038,543
FAULKER, DALE	3,065,243	HAWKINS, MICHAEL STEVEN	3,077,065	KILLEEN, KELLY ANN	3,038,545
FAULKNER, DALE V. L.	3,064,657	HE, PEIHUI	3,038,566	KINSHOFER GMBH	3,066,156
FAULKNER, DALE V. L.	3,065,225	HE, PEIHUI H. P. H.	3,038,438	KLIEWER, GREGORY ALBERT	3,038,297
FELDHAUSEN, JOSEPH	3,076,152	HENSHAW, ROBERT J.	3,062,673	KLUG, JASON CHARLES	3,077,877
FERRARA, ROCCO	3,075,335	HERRSCHAFT, RICH	3,075,840	KOHLER, SIMON	3,069,085
FIEDLER & LUNDGREN AB	3,038,326	HERTZLER, MERLE	3,075,840	KOMATSU, KATSUMI	3,077,552
FILHO, ROBERTO M.	3,038,561	HIRAI, KATSUHIRO	3,077,552	KOMSKY, GLENN JARED	3,074,552
FLOJO, ALFRED R.	3,077,030	HO, FRANK F.	3,075,149	KONOW, JOHAN VON	3,077,766
FLUID ENERGY GROUP LTD.	3,038,556	HOFFMANN, NATHAN	3,064,688	KONOW, JOHAN VON	3,077,766
FLUID ENERGY GROUP LTD.	3,075,829	HOLMBERG, AARON	3,077,172	KOZAK, RYAN	3,087,746
FOLEY, CAMDEN LEE	3,057,348	HOLMQUIST, ZACHARY DEAN	3,038,578	KUBOTA, TAKAHIKO	3,077,560
FONTAINE MODIFICATION COMPANY	3,077,532	HOLVERSON, TODD	3,070,304	KUBOTA, TAKAHIKO	3,077,563
FORD, MICHAEL BRENT	3,060,286	HOLZHUTER, HANNO	3,074,628	KULPA, JUSTYNA	3,077,541
FORMOSA, JOEL	3,038,447	HOLZL, ANTONIO MARIA MODESTO	3,069,085	KURCEBA, DAVID R.	3,077,035
		HONEYWELL		KUSS, JEFFREY J.	3,077,772
		INTERNATIONAL INC.	3,077,030	KUSUI, NAOTAKA	3,077,552
		HOSSEINI, MEHDI	3,038,176	LABONTE, IVAN	3,077,549
		HOUSE, PETER	3,077,725	LANDOLT, DARIAN	3,072,909
				LAPERRIERE, JEAN- FRANCOIS	3,077,549

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LAZARZ, LESZEK	3,077,030	METABOLIK TECHNOLOGIES INC.	3,077,231	PAPOURAS, CHRISTOPHER	3,077,858
LEBEGUE, OLIVIER	3,077,547	MICHEL, ADRIEN M.	3,063,878	PAQUETTE, YANNICK	3,077,549
LEDER, JOHN	3,038,929	MICKEN, MATTHEW	3,077,457	PARK, KYUNGMIN	3,077,214
LEE, ADRIENNE	3,075,829	MILROY, WILLIAM W.	3,073,424	PARREIN, BART	3,076,192
LEFEBVRE, GUY	3,074,851	MIRSHAHIDI, KIANA	3,087,746	PARSCHE, FRANCIS E.	3,077,670
LEFEBVRE, GUY	3,074,854	MOFFAT, KAREN A.	3,076,942	PATERSON, ROBERT J., JR.	3,077,821
LEFEBVRE, GUY	3,074,857	MOFFAT, KAREN A.	3,077,065	PATTON, DAMON LLOYD	3,076,973
LEFEBVRE, GUY	3,074,869	MOODALIAR, NEIL	3,077,186	PEACOCK, PAUL	3,065,225
LEFORT, ETIENNE	3,077,456	MORGAN, EDWARD W.	3,062,673	PEACOCK, PAUL	3,065,243
LEFORT, ETIENNE	3,077,459	MORRISON, DOUGLAS	3,038,952	PEARCE, TIMOTHY L.	3,077,576
LEMONS, ALAN	3,073,424	MOSER, TRAVIS R.	3,077,473	PELLICONI & C. S.P.A.	3,077,027
LENOIR, ESTHER JOY	3,057,348	MOZISEK, CORBIN	3,077,809	PENCE, TRACY N.	3,062,673
LEXMARK INTERNATIONAL, INC.	3,038,543	MURRAY, TARA	3,076,354	PERFX WIRELINE SERVICES, LLC	3,077,172
LEXMARK INTERNATIONAL, INC.	3,038,545	NABER, DAVID	3,077,285	PERRY, SHAWN F. D.	3,038,569
LIAO, SHAWN	3,077,725	NABORS DRILLING TECHNOLOGIES USA, INC.	3,077,858	PETHICK, JON	3,065,243
LIBERTY LIFT SOLUTIONS, LLC	3,077,809	NAKANO, TOYOMASA	3,056,824	PETSMART HOME OFFICE, INC.	3,077,151
LIM-TECH LIMITED	3,077,493	NALDI, DORIANO	3,077,027	PETSMART HOME OFFICE, INC.	3,077,170
LIMAS, ZACHARY	3,063,122	NASH, ALEX C.	3,077,486	PHAM, TRUNG	3,038,176
LIMAS, ZACHARY	3,063,256	NBCUNIVERSAL MEDIA, LLC	3,065,267	PHO, VINH DO	3,057,348
LIN, CHENKANG	3,077,056	NEAL, JOSHUA L.	3,076,201	PIERRE, ANTOINE	3,075,322
LIN, HORNG JAAN	3,062,673	NELSON, AARON BASIL	3,077,877	PIETROBON, JOHN	3,074,851
LIN, YU	3,076,201	NEPTUNE TECHNOLOGY GROUP INC.	3,076,960	PIGGOTT, ALFRED	3,077,577
LINDE, PETER	3,077,019	NEPTUNE TECHNOLOGY GROUP INC.	3,076,973	PILCHER, MATTHEW ROBERT	3,083,506
LIPS, ERIC	3,076,148	NEPTUNE TECHNOLOGY GROUP INC.	3,077,060	PILCHER, MATTHEW ROBERT	3,084,763
LIPS, ERIK	3,076,051	NERI, MARCO	3,075,335	PINI, VALERIO	3,077,754
LISIO, CARMINE	3,077,511	NEXT PATHWAY INC.	3,076,774	PINI, VALERIO	3,077,767
LIU, YUBING	3,038,786	NEXT PATHWAY INC.	3,076,778	PIONEER HI-BRED INTERNATIONAL, INC.	3,085,789
LO PICCOLO, ANTONINO	3,077,027	NG, KEVIN	3,072,941	PIONEER HI-BRED INTERNATIONAL, INC.	3,085,856
LOGAN, ADAM	3,072,941	NGUYEN, ANTHONY HAITUYEN	3,038,297	PIONEER HI-BRED INTERNATIONAL, INC.	3,085,878
LONGENBERGER, POLLY SUZANNE	3,085,789	NICHOLS, JASON	3,075,159	POGULURU, SAIRAM	3,038,297
LOOP LABORATORIES, LLC	3,077,141	NICHOLS, JOEL A.	3,077,025	SRINIVASA	3,077,549
LOPEZ, FRANCISCO	3,038,636	NOLAN, WILLIAM ANTHONY	3,077,060	POITRAS, MATHIEU	3,065,229
LORENZEN, JULIAN	3,077,468	NORDAA, STIG MAGNOR	3,038,556	POLLITT, WILL	3,038,458
LOURDEL, NICOLAS HERVE FRANCOIS	3,077,216	NORDAA, STIG MAGNOR	3,075,829	POWER PIN INC.	3,038,752
LUCHAK, PETER W.	3,077,282	NORRIS, MELVIN	3,077,220	PRAIRIE WEAR LTD.	3,073,651
MACKELVIE, WINSTON	3,038,579	NORTHERN TOOL & EQUIPMENT COMPANY, INC.	3,083,506	PRASAD, MAHENDRA FULESHWAR	3,072,941
MADOCHÉ, JODY	3,038,445	NORTHERN TOOL & EQUIPMENT COMPANY, INC.	3,084,763	PRATT & WHITNEY CANADA CORP.	3,072,941
MAEDA, HIROSHI	3,053,885	NOZOE, TSUTOMU	3,056,824	PRATT & WHITNEY CANADA CORP.	3,073,699
MAGHOODI, BEJAN	3,063,122	OLSON, BRIAN R.	3,038,458	PRATT & WHITNEY CANADA CORP.	3,074,298
MAGHOODI, BEJAN	3,063,256	OLSON, MICAH THOMAS	3,076,039	PRATT & WHITNEY CANADA CORP.	3,074,851
MAGHSOODI, BEJAN	3,063,265	OLSON, MICAH THOMAS	3,076,071	PRATT & WHITNEY CANADA CORP.	3,074,851
MARINE THINKING INC.	3,038,171	ONISCHUK, DANIEL W.	3,038,506	PRATT & WHITNEY CANADA CORP.	3,074,854
MARKLEY, JEFF	3,076,201	ORBAN, GAUTHIER	3,077,784	PRATT & WHITNEY CANADA CORP.	3,074,857
MARKWALD, HOLLI	3,038,752	OSCROFT, JULIAN JAN	3,076,508	PRATT & WHITNEY CANADA CORP.	3,074,869
MARSHALL, DALE R.	3,076,354	OSTER, YANN	3,076,783	PRATT & WHITNEY CANADA CORP.	3,075,159
MARVIN LUMBER AND CEDAR COMPANY, D/B/A MARVIN WINDOWS AND DOORS	3,077,812	OUCKAMA, RYAN	3,077,549	PRATT & WHITNEY CANADA CORP.	3,075,320
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MCARDLE, STEVEN	3,038,176	PACIFIC, JOHN LELAND	3,038,578		
MCCARTHY, SEAN	3,077,511	PALOMA CO., LTD.	3,077,274		
MCDONALD, VICTORIA	3,077,486	PAN, GEORGE	3,038,923		
MCKESSON CORPORATION	3,075,840				
MDO TECHNOLOGIES INC.	3,077,784				
MECWINS, S.A.	3,077,754				
MECWINS, S.A.	3,077,767				

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PRATT & WHITNEY CANADA CORP.	3,077,074	SCHOUERI, BADIH	3,076,774	THE RAYMOND CORPORATION	3,077,204
PRATT & WHITNEY CANADA CORP.	3,077,078	SCHWARTZ, JOEL A.	3,075,149	THE RAYMOND CORPORATION	3,077,772
PRATT & WHITNEY CANADA CORP.	3,077,082	SCODA, ENRICO	3,077,225	THE RAYMOND CORPORATION	3,077,821
PRATT & WHITNEY CANADA CORP.	3,077,511	SCOTTI, FRANCO	3,077,252	THE RAYMOND CORPORATION	3,077,826
PRATT & WHITNEY CANADA CORP.	3,077,572	SEGUIN, ALEXIS	3,077,549	THE TORONTO-DOMINION BANK	3,038,297
PREDL SYSTEMS NORTH AMERICA INC.	3,077,461	SESSION CORP.	3,057,348	THE TORONTO-DOMINION BANK	3,038,786
PRESCOTT, CHARLIE	3,077,141	SHIFRIN, JAMES	3,077,457	THE TORONTO-DOMINION BANK	3,074,545
PRESLE, ROMAIN	3,077,543	SHUTTERFLY, LLC	3,077,747	THE TORONTO-DOMINION BANK	3,074,549
PRESLE, ROMAIN	3,077,543	SIMARD-BERGERON, JULIEN	3,074,298	THE TORONTO-DOMINION BANK	3,074,552
PREUS, MICHAEL	3,077,159	SINTON, DAVID	3,075,568	THE TORONTO-DOMINION BANK	3,074,621
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PRICER AB	3,077,766	SLAMA, KEVIN	3,038,439	THIESSEN, ROBERT	3,038,574
PRIVACY ANALYTICS INC.	3,077,081	SMED, CLAYTON	3,076,354	THINKOM SOLUTIONS, INC.	3,073,424
PRYSMIAN S.P.A.	3,077,001	SMED, MOGENS FALK	3,076,354	THOMPSON, BRADLEY M	3,076,508
PURDY, CLAY	3,038,556	SMITH, AARON	3,077,781	THOMPSON, JEREMY	3,073,651
PURDY, CLAY	3,075,829	SMITH, DARRIN E.	3,077,079	THOMPSON, RODNEY EUGENE	3,076,508
QIAN, CHIBO	3,074,552	SNAP-ON INCORPORATED	3,057,954	THON, ANDREAS	3,077,754
QUEEN'S UNIVERSITY AT KINGSTON	3,077,286	SONOVA AG	3,069,085	THON, ANDREAS	3,077,767
RADEL, JASON	3,077,297	SORBI, ROBERTO	3,075,335	TIN, RANDY P.	3,077,070
RAMIREZ OZUNA, ORLANDO RENE	3,076,777	SOUZA, FABIO E.S.	3,077,296	TOMA, ALAA	3,039,963
RANCOURT, TIMOTHY	3,083,506	SPYRA, NIKOLAUS	3,038,636	TOWNSEND, PETER	3,075,159
RANCOURT, TIMOTHY	3,084,763	SRISKANDHA, SHIVANTHI EASWARI	3,077,035	TRACEY, ERIK C.	3,077,826
RAVINDRA, RAMAIAH	3,077,008	STANHOPE, TREVOR	3,072,909	TRI-STATE MEDIA, LLC	3,084,216
RAYKOWSKI, ALEX	3,077,572	STEINMETZ, DONALD ROBERT	3,074,549	TUTTLE, RYAN E.	3,077,473
REAUME, MARK EDWARD	3,073,651	STOCKHOLM PRECISION TOOLS S.L.	3,076,777	ULLYOTT, RICHARD	3,077,074
REHDER, ERIC M.	3,075,149	STOUDER, TANYA	3,077,170	ULLYOTT, RICHARD	3,077,078
REID, ALEXANDER N.	3,064,688	STOVEL, GORDON	3,077,216	ULLYOTT, RICHARD	3,077,082
REITMEIER, GLENN ARTHUR	3,065,267	STRAUMANN HOLDING AG	3,077,468	UNDEVALL, LUKAS	3,038,636
REYNOLDS, DAVID MICHAEL	3,077,186	STUEBNER, JOERN	3,076,731	UNI-RAM CORPORATION	3,075,569
RICHARD, NATHANAEL	3,077,543	SULLIVAN, CARL E.	3,038,543	UNKNOWN	3,038,506
RICHARDS, CURTIS D.	3,077,772	SULLIVAN, CARL E.	3,038,545	USABLENET, INC.	3,077,225
RIDDOCH, ROBERT WILLIAM	3,077,456	SULLIVAN, SHELBY L.	3,077,172	VALLERU, SRIKANTH	3,077,858
RIDDOCH, ROBERT WILLIAM	3,077,459	SUMITOMO OSAKA CEMENT CO., LTD.	3,056,824	VALLEZ, BERNARD	3,038,611
ROSEMOUNT AEROSPACE INC.	3,064,688	SUPREME GROUP LP	3,038,929	VAN MASTRIGT, JESSE	3,076,354
ROSS, RON	3,038,578	SYED, ASIM MOHAMMAD	3,076,039	VAN OPHUYSEN, ANDREAS	3,077,468
ROTOLE, DAVID V.	3,071,747	SYED, ASIM MOHAMMAD	3,076,071	VAUGHN, DANA M.	3,077,541
ROTTCHER, HYLTON DAVID	3,077,186	SYNNOTT, REMY	3,074,854	VELAN INC.	3,077,216
ROUHANI, ARMON	3,038,786	SYNNOTT, REMY	3,074,857	VEREGIN, RICHARD P. N.	3,077,070
ROUZIER, EDOUARD	3,077,549	SYNNOTT, REMY	3,074,869	VEREGIN, RICHARD P.N.	3,076,942
RUDOLPH, KAREN M.	3,038,315	TA, CUONG	3,065,997	VEREGIN, RICHARD P.N.	3,077,035
RUIZ, TOMAS JESUS	3,074,545	TAMULEWICZ, PAUL	3,077,151	VICTOR, PAUL M.	3,075,075
SAFRAN LANDING SYSTEMS	3,077,543	TANJU, MEHMET	3,075,320	VINAY, NAMITHA	3,077,858
SAKURA FINETEK U.S.A., INC.	3,049,232	TANVIR, SOFIA	3,075,840	VINSKI, JOHNNY	3,072,941
SALAS CHAVEZ, RICHARD	3,075,568	TAPPETA VENKATA, RAVINDRA REDDY	3,074,621	VOGL, LUKAS	3,038,636
SALENTINE, ERIC LEE	3,077,812	TAX, DAVID SAMUEL	3,038,297	VON BUEREN, ERICO	3,049,232
SALVADOR-MATAR RENTERIA, ANTONIO	3,077,754	TAX, DAVID SAMUEL	3,038,786	VON BUEREN, NICCOLO	3,049,232
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SANGOLLI, VEERASANGAPPA	3,077,008	TAYLOR, ALEXANDER DOUGLAS	3,065,254	VONG, CUONG	3,077,070
SANTOPIETRO, RICCARDO	3,077,456	TECHTRONIC CORDLESS GP	3,077,159	VU, THANH	3,077,080
SANTOPIETRO, RICCARDO	3,077,459	TECHTRONIC CORDLESS GP	3,077,241		
		TETRA TECH, INC.	3,038,278		
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		THE BOEING COMPANY	3,075,149		
		THE BOEING COMPANY	3,077,814		

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4D PHARMA RESEARCH		AIRAVAARA, MIKKO	3,094,236	ARMSTRONG WORLD	
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AB		AL-ALQAM, MOHAMMAD	3,094,069	ARMSTRONG, DUSTIN D.	3,093,922
DYNAMOBORSTFABRIK		AL-AWADH, ABDULLAH	3,094,069	ARRINEX, INC.	3,093,924
EN	3,094,257	AL-YAMI, ABDULLAH	3,094,069	ARTHUR, PETER GRAEME	3,094,249
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ABB POWER GRIDS		INCORPORATED	3,094,325	ASCENTAGE PHARMA	
SWITZERLAND AG	3,094,265	ALBAHRANI, HUSSAIN	3,094,069	(SUZHOU) CO., LTD.	3,094,449
ABB POWER GRIDS		ALBERS, AARON	3,094,336	ASCENTAGE PHARMA	
SWITZERLAND AG	3,094,352	ALBERT, GIDON	3,094,151	(SUZHOU) CO., LTD.	3,094,452
ABB SCHWEIZ AG	3,093,773	ALBERT, ROTEM	3,094,151	ASHITAKA, KEIJI	3,094,430
ABBOTT DIABETES CARE		ALCON INC.	3,094,239	ASIRVATHAM, EDWARD	3,094,094
INC.	3,094,050	ALGERMOZI, MOHAMMED	3,093,962	ASIRVATHAM, EDWARD	3,094,105
ABDALLA, SAID	3,094,261	ALGIPHARMA AS	3,094,015	ASSA ABLOY ENTRANCE	
ABEOME CORPORATION	3,094,534	ALHARETH, NASSER	3,094,069	SYSTEMS AB	3,093,951
ABRAXIS BIOSCIENCE, LLC	3,094,453	ALHELAL, ABDULAZIZ	3,094,069	ASSA ABLOY NEW ZEALAND	
ABUFADEL, AMER	3,094,275	ALIM, ALEXANDER ABDEL	3,094,315	LIMITED	3,094,059
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ACME DRUGS S.R.L.	3,094,277	ALLEN, DAVID J.	3,094,320	HOPITAUX DE PARIS (AP-	
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ASSOCIATES LTD	3,094,052	ALPHAMED, INC.	3,094,359	ASTEC INDUSTRIES, INC.	3,094,310
ACUMEN DESIGN		ALSAFRAN, ALI	3,094,069	ATCO GAS AND PIPELINES	
ASSOCIATES LTD.	3,094,049	ALSAIHATI, ZAINAB	3,094,069	LTD.	3,094,410
ADAM S.A.	3,094,422	ALTAREJOS, JUDITH	3,094,400	ATOSSA THERAPEUTICS,	
ADAM S.A.	3,094,428	ALTEOGEN, INC.	3,093,885	INC.	3,094,072
ADAM S.A.	3,094,437	ALTERGON S.A.	3,094,384	AUBURN UNIVERSITY	3,094,637
ADAPTAS SOLUTIONS PTY		ALX ONCOLOGY INC.	3,094,098	AUJAGHIAN, DAMIR	3,094,486
LTD	3,094,495	AMATA, MARIO A.	3,093,854	AUMAYR, WERNER	3,094,426
ADELSON, EDWARD		AMGEN INC.	3,093,699	AUSTRHEIM, TROND	3,094,558
HOWARD	3,094,403	AMGEN INC.	3,093,853	AUSTRHEIM, TROND	3,094,582
ADRIANI, MARSILIO	3,094,297	AN, WEIDONG	3,093,956	AUSTRIA METALL GMBH	3,094,426
ADVANCED SOLUTIONS LIFE		ANDERSON, MARK	3,094,342	AUTOSTORE TECHNOLOGY	
SCIENCES, LLC	3,093,891	ANDERSON, NATHAN	3,094,310	AS	3,094,558
ADVANSIX RESINS &		ANDO, KEISUKE	3,094,157	AUTOSTORE TECHNOLOGY	
CHEMICALS LLC	3,094,094	ANGELETAKIS, CHRISTOS	3,094,480	AS	3,094,582
ADVANSIX RESINS &		ANHUI UNIVERSITY OF		AVERBACK, PAUL	3,093,763
CHEMICALS LLC	3,094,105	SCIENCE AND		AVERILLO, PAUL R.	3,094,169
AECOM	3,094,074	TECHNOLOGY	3,087,997	AVERY DENNISON	
AERIE PHARMACEUTICALS,		ANISI, DAVID	3,093,773	CORPORATION	3,094,390
INC.	3,093,963	ANJI PHARMACEUTICALS		AVOLYNT	3,094,118
AFZAAL BIN HASIM,		INC.	3,093,970	AVOX SYSTEMS INC.	3,093,978
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BAMBACH, THOMAS ADRIAAN	3,094,321	BERNARD, XAVIER	3,094,398	BOWEN, SHARON	3,094,079
BAMPIS, CHRISTOS	3,094,357	BERRIO, VICTOR	3,094,333	BOYNE, ALEX	3,094,473
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BARHORST, STEVEN E.	3,093,854	BHARTI, KAPIL	3,094,078	BRACCO DIAGNOSTICS INC.	3,094,463
BARKER, GEOFFREY	3,094,167	BHASIN, SUNNY	3,094,035	BRATLAND, MAGNE	3,094,450
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		BORSE, NITIN	3,094,511	BURNS, CHELSEA	3,094,075
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CARGILL, INCORPORATED	3,094,172	CHIN, WILLIAM W.	3,094,332	COLLIN, ESTELLE	3,094,583
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CDE GLOBAL LIMITED	3,094,004	MARIE	3,094,027	CONLAN, WAYNE	3,094,404
CELIK, MUCTEBA	3,094,198	CHRISTIAN, TIMOTHY	3,094,505	CONMED CORPORATION	3,094,246
CELLECTIS	3,094,473	CHRISTOFI, MARIA	3,094,297	CONNELLY, SHEILA	3,094,174
CELLEDIT LLC	3,093,827	CHU, SHUANGJIE	3,094,289	CONNER, BILLY	3,094,287
CENTRE NATIONAL DE LA		CHU, SO YOUNG	3,094,620	CONOCOPHILLIPS COMPANY	3,094,528
RECHERCHE		CHUGAI SEIYAKU		CONOR, SCOTT	3,093,953
SCIENTIFIQUE (CNRS)	3,094,440	KABUSHIKI KAISHA	3,094,312	CONSTANTINE, DEAN	3,094,325
CENTRO DE INVESTIGACION		CHUNDI, CHARISHMA	3,094,095	CONVERY, ANTHONY	3,094,004
Y DESARROLLO DE		CHUNG, HYE-SHIN	3,093,885	CONWAY, NOLAN BLAKE	3,094,321
MEDICAMENTOS		CHUNG, JIN WOOK	3,094,086	COREY, DANIEL MARK	3,093,969
(CIDEM)	3,094,488	CHURCH, PAUL ANDREW	3,094,284	COREY, DANIEL MARK	3,093,973
CEOLATO, ROMAIN	3,094,116	CIDRA CORPORATE		COUTURIER-MAILLARD,	
CERO THERAPEUTICS, INC.	3,093,969	SERVICES LLC	3,094,460	AURELIE PASCALE	
CERO THERAPEUTICS, INC.	3,093,973	CIRILLO, VALENTINA	3,094,583	PATRICIA	3,094,297
CEROVSKI, THOMAS	3,094,225	CITRIX SYSTEMS, INC.	3,094,378	COWIE, PHILIP	3,094,139
CERULLO, VINCENZO	3,094,131	CLARIANT INTERNATIONAL		COWIE, PHILIP	3,094,297
CERULLO, VINCENZO	3,094,137	LTD	3,094,569	COX, JEREMY B.	3,094,339
CHADA, SUNIL	3,094,329	CLARIANT INTERNATIONAL		CRABTREE, VINCENT PETER	3,094,351
CHAGANTI, KALYANI	3,094,343	LTD	3,094,585	CRAIK, STEVEN JOHN	3,094,331
CHAMBERS, DAVID	3,094,649	CLARIANT INTERNATIONAL		CRAWLEY, ALAN MARK	3,094,148
CHAN, KWAN CHEE	3,093,971	LTD.	3,094,019	CREECH, DAVID	3,094,459

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CROW, MATTHEW	3,094,056	DESCHRIJVER, DIRK	3,094,421	LAUSANNE (EFPL)	3,079,691
CRUTCHLEY, NIGEL	3,093,999	DESJARDINS, BRIANNA	3,093,956	EDITAS MEDICINE, INC.	3,094,468
CULLEN, ANDREW THOMAS	3,094,253	DESSER, ARNE	3,094,015	EDMOND, MARK	3,094,487
CUNNINGHAM, ALLAN F.	3,093,781	DETNET SOUTH AFRICA		EDSCER, WILLIAM GEORGE	3,094,274
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DAI, BO	3,094,446	DEXCOM, INC.	3,094,351	EICHENSEER, MATTHIAS	3,094,019
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DAIO PAPER CORPORATION	3,094,051	DI MARCO, PIERGIOSEPPE	3,094,300	EL GLAOU, MEHDI	3,094,016
DAMBRA, CHRISTOPHER G.	3,094,335	DIAMANTI, MAURIZIO	3,094,033	ELBIT SYSTEMS ELECTRO-	
DAN ON, JOSHUA	3,094,149	DICERNA		OPTICS ELOP LTD.	3,094,039
DANDAPAT, ABHIJIT	3,094,111	PHARMACEUTICALS,		ELC MANAGEMENT LLC	3,068,457
DANIEL, CODY	3,094,128	INC.	3,094,008	ELEMENT SIX (UK) LIMITED	3,094,561
DANIELL, ANTHONY	3,094,200	DIETZ, HEIKO	3,094,585	ELEMENT SIX (UK) LIMITED	3,094,564
DANILEVSKAYA, OLGA	3,094,027	DIGNITY HEALTH	3,094,252	ELEMENT SIX (UK) LIMITED	3,094,574
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DE ANDRADE PEREIRA,		DONOVAN, EDWARD	3,094,302	EMERALD HEALTH	
BRUNA	3,093,882	DORFMAN, MITCHELL R.	3,094,335	THERAPEUTICS CANADA	
DE BEERS GROUP SERVICES		DORIA, ARLENE G.	3,094,351	INC.	3,094,140
PROPRIETARY LIMITED	3,094,574	DORON, ELEONORE MAEVA	3,094,412	EMERALD HEALTH	
DE FALCO, GIANLUIGI	3,079,695	DORVAL DION,		THERAPEUTICS CANADA	
DE HAARD, HANS	3,094,215	CHRISTOPHER ALEX	3,094,106	INC.	3,094,267
DE KRUIF, CORNELIS		DOTAN, HEN	3,094,245	ENEAPHARM	3,094,145
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DE LA PAZ MARTIN-VIANA,		DOW GLOBAL		INGENUITY INC.	3,093,629
NILIA	3,094,488	TECHNOLOGIES LLC	3,094,182	ENNIS, CLAIRE	3,094,451
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DE LAAT, WILHELMUS		TECHNOLOGIES LLC	3,094,394	ERCA S.A.S.	3,094,411
NICOLAAS GERARDUS		DOYLE, EVAN	3,094,084	ERCIFTCI, IRFAN	3,093,961
MARIA	3,094,260	DOYLE, MICHAEL LOUIS	3,094,112	ERCROS, S.A.	3,094,014
DE MICHELE, GIOVANNI	3,094,428	DP HOLDING (U.K.) LIMITED	3,094,654	ESHOO, MARK	3,094,050
DE MIGUEL, JOSEP CANO	3,093,778	DRADER, JARED	3,094,548	ESPIE, PASCAL	3,094,600
DE SANTIAGO TORIO, ANA	3,094,458	DRETCHEN, KENNETH L.	3,094,147	ESPINO SOSA, SEBASTIAN	3,094,014
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DEARMITT, CHRIS	3,094,063	DRUGA, MICHAEL	3,094,484	ESSEGHIR, MOHAMED	3,094,394
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DEL GAUDIO, PASQUALE	3,079,695	DSM IP ASSETS B.V.	3,094,477	ESSER, JAMES	3,094,130
DEL R. MILLAN, JOSE	3,079,691	DUCHATEAU, PHILIPPE	3,094,473	ESSITY HYGIENE AND	
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DENNEWALD, DANIELLE	3,094,585	DUNN, JOSHUA	3,094,172	EWAB ENGINEERING AB	3,094,462
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DEPAUL, MARIE A.	3,093,977	DUTTA, RANOJOY	3,094,479	CORPORATION	3,094,640
DEPUY SYNTHES PRODUCTS,		DYKSTRA, ANDREW	3,093,699	EXOSOMICS S.P.A.	3,094,577
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FANG, DOUGLAS DONG	3,094,452	FRITZOE, STEVEN	3,094,450	GOLDMAN, SCOTT	3,094,080
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FELICI, GIUSEPPE	3,094,603	GAI, WANXIA	3,093,971	GRADER, GIDEON	3,094,245
FELIX, DAVID MONROY	3,093,955	GAIDZIK, NIKOLA	3,094,127	GRAF, TIMO	3,094,411
FENG, CHAO	3,093,982	GAIER, MARCIEL	3,093,962	GRAIL, INC.	3,093,971
FENSOME, ANDREW	3,093,631	GAITO, STEVEN THOMAS	3,094,074	GRAPHIC PACKAGING INTERNATIONAL, LLC	3,093,778
FENTON, RYAN	3,094,639	GAJIWALA, KETAN S.	3,093,631	GRAPHIC PACKAGING INTERNATIONAL, LLC	3,094,399
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FITZGERALD, PETER	3,094,601	GARRIDO SUAREZ, BARBARA BEATRIZ	3,094,488	GROPPI, ROBERT	3,094,459
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MARUZEN PETROCHEMICAL		MERKIN, JASON	3,093,915	MURPHY, ANDREW J.	3,093,995
CO., LTD.	3,094,082	MERKIN, JASON	3,093,919	MURPHY, ANDREW J.	3,094,400
MASAKI, YOSHIAKI	3,094,303	MERKIN, JASON	3,093,968	MURRAY, SEAN P.	3,094,330
MASAMUNE, HIROKO	3,094,167	MERUS N.V.	3,094,318	MUSSETT, JONATHAN	3,093,629
MASCHINENFABRIK GUSTAV		MESA, MICHAEL	3,094,147	MYNTTI, MATTHEW F.	3,094,529
EIRICH GMBH & CO. KG	3,093,536	MEYERS, DAVID O.	3,093,769	N.S. OILS LTD.	3,094,151
MASSACHUSETTS INSTITUTE		MGL PARTNERS	3,094,367	NABIROCHKIN, SERGUEI	3,088,715
OF TECHNOLOGY	3,094,403	MICRO MOTION, INC.	3,094,062	NACHTRAB, DEAN J.	3,094,068
MASSOUD, AMIR	3,094,143	MILBRANDT, JAY	3,094,158	NADERI, ROOZBEH	3,094,188
MATERIAS S.R.L.	3,079,695	MILLER, ALEXANDER		NAGABHUSHANAM,	
MATSUNO, YUKI	3,094,055	WHITMAN	3,093,989	KALYANAM	3,094,625
MATTER, TOBIAS	3,093,536	MILLIMAN, HENRY W.	3,094,390	NAKAI, YUTA	3,094,057
MATTEUCCI, CARLO	3,094,195	MINARD, JAMES J.	3,093,920	NAKAJIMA, HIROYUKI	3,094,303
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MATTHIES, MARCO	3,094,010	MISENER, GARLAND		PHARMACEUTICAL	
MAXWELL, DEBORAH B.	3,093,818	CHRISTIAN	3,094,373	TECHNOLOGY CO., LTD	3,093,982
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CHRISTIAN	3,094,101	INDUSTRIES AERO		NATH, DINESH	3,094,123
MAZZANTI, ANDREA	3,094,141	ENGINES, LTD.	3,094,301	NATIONAL RESEARCH	
MC2 THERAPEUTICS		MIWA, NAOYA	3,094,430	COUNCIL OF CANADA	3,094,404
LIMITED	3,093,999	MIYAMURA, SADAHIRO	3,094,431	NATIONAL UNIVERSITY	
MCALLISTER, LAURA ANN	3,094,366	MIYAO, TAKAHIRO	3,094,042	CORPORATION CHIBA	
MCALPINE, INDRAWAN		MOBILE UV INNOVATIONS		UNIVERSITY	3,094,057
JAMES	3,093,631	PTY LTD	3,094,402	NATURS DESIGN, INC.	3,094,530
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NAYLOR, ALAN	3,094,220	O'HAIRE, MICHAEL	3,094,302	PATEL, HARDIK	3,093,974
NAZEF, NAIM	3,094,008	O'MALLEY, MARK E.	3,094,345	PATEL, SUHASKUMAR	3,093,974
NEELEY, MATTHEW	3,093,634	OBREZKINA, ANNA	3,094,000	PATERSON, ALEXANDER JAMES	3,094,171
NEKRASSOV, DANIIL	3,094,239	OCTAL, INC.	3,094,063	PATMAN, RYAN	3,093,631
NELSON INNOVATIONS, LLC	3,094,184	ODA, KEITA	3,094,047	PAWLAK, SAMUEL D.	3,093,977
NELSON, KEITH	3,094,129	ODIER, DAVID JOSEPH	3,094,578	PEETERS, MICHA WILHELMINA JOZEFUS MARIA	3,094,588
NELSON, KEVIN M.	3,094,184	ODSS HOLDINGS, LLC	3,094,081	PEIPPO, JUHA	3,094,028
NELSON, STEPHEN L.	3,094,169	OERLIKON METCO (US) INC.	3,094,335	PELEMAN, GUIDO FRANS M.	3,093,879
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NEWELL, DAVID TIMOTHY	3,093,952	OKIMURA, KEIICHI	3,094,160	PERDOMO MORALES, ROLANDO	3,094,488
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NEXT SCIENCE IP HOLDINGS PTY LTD	3,094,529	OLIVIER, REMI	3,094,466	PEREIRA, ALEXANDRE	3,093,632
NGUYEN, THU	3,094,135	OLSEN, DENNIS LEGRAND	3,093,769	PEREIRA, MARIA	3,094,583
NI, DIANNE	3,094,120	OLSEN, ROBERT	3,094,096	PERERA, SUJITH	3,094,651
NI, JIE	3,094,022	OMDAHL II, JOHN R.	3,093,769	PEREZ HERNANDO, ELENA	3,094,420
NICHOLAS, RICHARD PETER JOHN	3,094,049	OMYA INTERNATIONAL AG	3,094,031	PERMAN, KLAS FREDRIK	3,094,090
NICKERSON, DAVID M.	3,094,651	ONERA TECHNOLOGIES B.V.	3,094,421	PEROXICHEM LLC	3,093,956
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NIEC, PHILIPPE	3,094,434	OOI, NOBUYUKI	3,077,666	PERROLLAZ, JEAN-MARC CLAUDE	3,094,250
NIETO MAGRO, CONCEPCION	3,094,420	OOI, NOBUYUKI	3,077,667	PERSSON, EMMA	3,094,215
NISSAN CHEMICAL CORPORATION	3,094,303	ORILALL, MAHENDRA CHRISTOPHER	3,094,414	PESONEN, SARI	3,094,131
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NIZAM BIN NAWI, KHAIRUL	3,094,205	OUTSIGHT	3,094,264	PETER, THOMAS H.	3,094,168
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NOF CORPORATION	3,094,055	OWENS-BROCKWAY GLASS CONTAINER INC.	3,093,928	PETERSEN, KELSEY	3,094,102
NOF CORPORATION	3,094,057	OZAWA, SUGURU	3,094,280	PETIT, MARCIA	3,094,205
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NORTH CAROLINA STATE UNIVERSITY	3,094,484	OZES, ALI	3,094,508	PETROVICH, JOHN	3,094,075
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NOURYON CHEMICALS INTERNATIONAL B.V.	3,094,007	PACAK, JOHN	3,094,523	PEVZNER, IGOR	3,094,035
NOVA CHEMICALS CORPORATION	3,094,451	PACHOUD, WILLIAM	3,093,817	PFIZER INC.	3,093,631
NOVAK, JULIE	3,094,357	PADRON YAQUIS, ALEJANDRO SAUL	3,094,488	PFIZER INC.	3,094,366
NOVARTIS AG	3,094,600	PAGLIERONI, DAVID W.	3,094,649	PHAM, PHUONGLY	3,094,336
NOVAVAX, INC.	3,092,984	PAK, JANICE	3,094,166	PHARMABCINE INC.	3,094,444
NTT DOCOMO, INC.	3,094,602	PALKOWSKI, NATHALIE	3,094,040	PHARNEXT	3,088,715
NUKUI, KOSUKE	3,094,042	PALO ALTO NETWORKS, INC.	3,088,359	PHAROS LTD.	3,094,551
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NURI TELECOM CO., LTD.	3,094,438	PAPER CONVERTING MACHINE COMPANY	3,094,144	PIONEER HI-BRED INTERNATIONAL, INC.	3,094,027
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NYE, CHRISTOPHER HEATH	3,094,468	PARK, GWANG HOON	3,094,439	PITCO FRIALATOR, INC.	3,094,097
NYMOX CORPORATION	3,093,763	PARK, HYUNJUN	3,094,077	PIXTON, SHANE	3,094,130
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		PARK, YOUNG-SHIN	3,094,441		
		PARKER, KRISTY	3,094,128		

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POHJONEN, HELENA	3,093,954	RAMANDACH, SARAVANAN		GEOFFREY	3,094,594
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PONCHON, ARNAUD	3,094,084	RANKER, ROBERT	3,094,109	JEAN-PIERRE MICHEL	3,093,997
PONNUSWAMY, SRIRAM	3,094,095	RANKI, TUULI	3,094,131	ROGERS, ANDREW	3,094,056
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POPOVICI-MULLER, JANETA	3,094,476	RASMUSSEN, ROBERT	3,094,136	MANUEL	3,094,412
POTHI, TEJAS	3,093,781	RASOCHOVA, LADA	3,094,315	ROMMERSKIRCHEN, RENKE	3,094,135
POUGET, PIERRE	3,094,440	RAVAGLI, ENRICO	3,094,271	RONTIS HELLAS S.A.	3,094,551
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PRAESTEGAARD, MORTEN	3,093,999	RAZEEM, MOHAMMED	3,094,063	ROVI GUIDES, INC.	3,094,095
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PREDIERI, PAOLO GIULIO	3,094,277	REGENERON		B.V.	3,094,578
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PRODUCTS COMPANY	3,093,958	INC.	3,093,995	RUEGG, HANS	3,094,256
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QUITTERER, URSULA	3,094,261	RICOH COMPANY, LTD.	3,094,046	SAIKA MASAYUKI	3,094,100
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SAUDI ARABIAN OIL COMPANY	3,094,071	SERHAL, KAMAL	3,094,451	SINGH, GYANVEER	3,094,095
SAUDI ARABIAN OIL COMPANY	3,094,396	SERRANO-WU, MICHAEL H.	3,093,970	SINNOVATEK, INC.	3,094,484
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10353744 CANADA LTD.	3,093,435	PARTOUCHE, OLIVIER	3,072,822
10353744 CANADA LTD.	3,093,442	PESSI, ANTONELLO	3,093,383
10353744 CANADA LTD.	3,093,987	PFEFFER, HOWARD	3,093,601
10353744 CANADA LTD.	3,093,994	PICO, DANIEL	3,093,803
10353744 CANADA LTD.	3,094,226	PRIMAL FUSION INC.	3,094,159
10353744 CANADA LTD.	3,094,231	RAMJI, NIRANJAN	3,093,988
AGUILAR, STEVE I.	3,093,803	REPUBLIC TECHNOLOGIES (NA) LLC	3,072,822
ALDERUCCI, DEAN P.	3,093,465	RIDENOUR, ELKE M.	3,094,011
ALIGNED AS DESIGNED, LLC	3,093,904	SCOTT, DOUGLAS CRAIG	3,093,988
BAKER, RHODES B.	3,080,452	SERTAINTY CORPORATION	3,094,011
BERNETT, MATTHEW J.	3,093,606	SMITH WEED, MELANI LEIGH	3,094,011
BIANCHI, ELISABETTA	3,093,383	SMITH, GREGORY SCOTT	3,094,011
BRUCE, RYAN	3,093,685	STIERLI, DANIEL	3,093,599
CAMDEN, RICHARD S.	3,080,452	SWEENEY, PETER JOSEPH	3,094,159
CARRINGTON, PAUL E.	3,093,383	SWERDLOW, LINDA SMITH	3,093,904
CFPH, LLC	3,093,465	SYNGENTA PARTICIPATIONS AG	3,093,599
CHU, SEUNG	3,093,606	THE BOEING COMPANY	3,064,395
DANFORTH, ANDREW	3,093,601	THE CHEMOURS COMPANY FC, LLC	3,093,427
DARR, RACHEL M.	3,064,395	THE NIELSEN COMPANY (US), LLC	3,093,770
DENG, QIAOLIN	3,093,383	THE PROCTER & GAMBLE COMPANY	3,093,988
DESJARLAIS, JOHN	3,093,606	TIME WARNER CABLE ENTERPRISES LLC	3,093,601
FISCHER, DANIEL MICHAEL	3,094,011	TIMONEY, DAVID	3,089,705
FISHER & PAYKEL HEALTHCARE LIMITED	3,093,754	TIMONEY, JONATHAN	3,089,705
GELMAN, GEOFFREY M.	3,093,465	TUCKER, THOMAS JOSEPH	3,093,383
GIERKE, TIMOTHY DEE	3,093,754	TUPPER, ROBERT	3,089,705
GRADILONE, DINO	3,093,736	TURNER, PETER ANTHONY	3,093,736
HASS, DAVID CHARLES	3,064,395	VK INTEGRATED SYSTEMS, INC.	3,093,803
HIGDON, DAVID	3,093,685	WALTER, HARALD	3,093,599
ILYAS, IHAB FRANCIS	3,094,159	WICKRAMARACHICHI, DILKI	3,093,606
KAPOGIANIS, VASILIOS K.	3,093,803	WU, CHENGWEI	3,093,383
KARSTEN MANUFACTURING CORPORATION	3,093,685	XENCOR, INC.	3,093,606
KNAPP, JEFFREY P.	3,093,427	YONKER, MICHAEL	3,093,770
KUMAR, SANJEEV	3,080,452	ZHANG, YI	3,093,411
KUSU INC.	3,093,736	ZHANG, YI	3,093,425
LANGHOFER, ERIK M.	3,064,395	ZHANG, YI	3,093,435
LOUDENSLAGER, JOHN	3,093,685	ZHANG, YI	3,093,442
LUTRON TECHNOLOGY COMPANY LLC	3,080,452	ZHANG, YI	3,093,987
MAHLER, BARRY ASHER	3,093,427	ZHANG, YI	3,093,994
MARTELL, JAMES	3,093,685	ZHANG, YI	3,094,226
MCGUIRE, BRIAN	3,093,685	ZHANG, YI	3,094,231
MEIS, CHARLES STEVEN	3,064,395		
MERCK SHARP & DOHME CORP.	3,093,383		
MILNE, ROBERT ANDREW DAVID	3,093,754		
NAKHRE, TUSHAR	3,093,601		
NAPPA, MARIO JOSEPH	3,093,427		
NARGUND, RAVI	3,093,383		
ORVIETO, FEDERICA	3,093,383		
PACI, NOAH	3,093,601		