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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 intellectuelle* 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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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.

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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

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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.

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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](#).

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

7. 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 August 24, 2021 contains applications open to public inspection from August 8, 2021 to August 14, 2021.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 24 août 2021 contient les demandes disponibles au public pour consultation pour la période du 8 août 2021 au 14 août 2021.

16. Erratum

All information respecting patent application number 3121433 referred to under the section *PCT Applications Entering the National Phase* contained in the 2021-06-29 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3121433 dans la liste *des Demandes PCT entrant en phase nationale* contenues dans le numéro 2021-06-29 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

August 24, 2021

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24 août 2021

[11] **2,602,636**
[13] C

[51] **Int.Cl. A61K 36/00 (2006.01)**
[25] EN
[54] **USE OF EXTRACTS OF HIPPOPHAE TO REDUCE LOSS OF REPRODUCTIVE CELL FUNCTION**

[54] **UTILISATION D'EXTRAIT D'HIPPOPHAE EN VUE DE REDUIRE LA PERTE DE FONCTION DE CELLULE REPRODUCTIVE**

[72] HERICKHOFF, LISA ANN, US
[72] HERICKHOFF, JAMES AUGUST, US
[73] MEMBRANE PROTECTIVE TECHNOLOGIES, INC., US
[85] 2007-09-27
[86] 2006-04-04 (PCT/US2006/012411)
[87] (WO2006/107912)
[30] US (60/668,224) 2005-04-05

[11] **2,705,998**
[13] C

[51] **Int.Cl. G06F 30/00 (2020.01)**
[25] EN
[54] **PROCESS OF UPDATING A STATUS OF RELATION BETWEEN OBJECTS IN A SYSTEM OF COMPUTER-AIDED DESIGN OF OBJECTS**

[54] **PROCESSUS DE MISE A JOUR D'UN ETAT DE RELATION ENTRE DES OBJETS DANS UN SYSTEME DE CONCEPTION D'OBJETS ASSISTE PAR ODINATEUR**

[72] CHAUVIN, FREDERIC, FR
[72] FOURNIER, GABRIEL, FR
[72] LALOI, ALEXANDRE, FR
[73] DASSAULT SYSTEMES, FR
[86] (2705998)
[87] (2705998)
[22] 2010-06-04
[30] EP (09290415.0) 2009-06-05

[11] **2,712,213**
[13] C

[51] **Int.Cl. G01N 27/447 (2006.01) G01N 30/38 (2006.01) G01N 30/88 (2006.01) G01N 33/483 (2006.01) G01N 33/68 (2006.01)**

[25] EN
[54] **METHOD TO PERFORM LIMITED TWO DIMENSIONAL SEPARATION OF PROTEINS AND OTHER BIOLOGICALS**

[54] **METHODE POUR REALISER UNE SEPARATION BIDIMENSIONNELLE LIMITEE DE PROTEINES ET D'AUTRES MATIERES BIOLOGIQUES**

[72] HUANG, TIEMIN, CA
[72] WU, JIAQI, CA
[73] PROTEINSIMPLE, US
[86] (2712213)
[87] (2712213)
[22] 2010-08-05

[11] **2,740,415**
[13] C

[51] **Int.Cl. A23L 33/105 (2016.01) A23L 5/00 (2016.01) A23L 7/109 (2016.01) A23L 15/00 (2016.01) A23L 23/00 (2016.01) A23L 27/60 (2016.01) A23L 33/00 (2016.01) A23L 33/115 (2016.01) A23D 7/005 (2006.01) A23G 9/42 (2006.01) A23J 1/00 (2006.01) A23J 3/20 (2006.01) A23L 2/52 (2006.01)**

[25] EN
[54] **FOOD COMPOSITIONS OF MICROALGAL BIOMASS**

[54] **COMPOSITIONS ALIMENTAIRES DE BIOMASSE DE MICROALGUES**

[72] BROOKS, GEOFFREY, US
[72] FRANKLIN, SCOTT, US
[72] AVILA, JEFF, US
[72] DECKER, STEPHEN M., US
[72] BALIU, ENRIQUE, US
[72] RAKITSKY, WALTER, US
[72] PIECHOCKI, JOHN, US
[72] ZDANIS, DANA, US
[73] CORBION BIOTECH, INC., US
[85] 2011-04-13
[86] 2009-10-14 (PCT/US2009/060692)
[87] (WO2010/045368)
[30] US (61/105,121) 2008-10-14
[30] US (61/157,187) 2009-03-03
[30] US (61/173,166) 2009-04-27
[30] US (61/246,070) 2009-09-25

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[11] **2,768,768**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6848 (2018.01) C12Q 1/6865 (2018.01) C12Q 1/689 (2018.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR DETECTING NUCLEIC ACID FROM MOLLICUTES**

[54] **COMPOSITIONS ET PROCEDES POUR DETECTER UN ACIDE NUCLEIQUE A PARTIR DE MOLLICUTES**

[72] KAPLAN, SHANNON K., US

[72] LIVEZEY, KRISTIN W., US

[72] BECKER, MICHAEL M., US

[72] HOGAN, JAMES D., US

[73] GEN-PROBE INCORPORATED, US

[85] 2012-01-20

[86] 2010-06-23 (PCT/US2010/039592)

[87] (WO2010/151566)

[30] US (61/219,674) 2009-06-23

[11] **2,770,075**
[13] C

[51] **Int.Cl. A61K 39/29 (2006.01) A61P 31/12 (2006.01)**

[25] EN

[54] **COMPOSITION FOR TREATING HBV INFECTION**

[54] **COMPOSITION POUR LE TRAITEMENT D'UNE INFECTION PAR LE VIRUS DE L'HEPATITE B**

[72] MARTIN, PERRINE, FR

[72] INCHAUSPE, GENEVIEVE, FR

[72] SILVESTRE, NATHALIE, FR

[72] SCHMITT, DORIS, FR

[73] TRANSGENE SA, FR

[85] 2012-02-02

[86] 2010-08-06 (PCT/EP2010/061492)

[87] (WO2011/015656)

[30] EP (09305742.0) 2009-08-07

[11] **2,789,174**
[13] C

[51] **Int.Cl. A61K 39/35 (2006.01) A61P 37/08 (2006.01)**

[25] EN

[54] **PROCESS FOR PRODUCING AN ALLERGEN EXTRACT**

[54] **PROCEDE DE FABRICATION D'UN EXTRAIT D'ALLERGENES**

[72] CARNES SANCHEZ, JERONIMO, ES

[73] LABORATORIOS LETI, S.L., ES

[85] 2012-08-07

[86] 2011-02-11 (PCT/EP2011/052049)

[87] (WO2011/098569)

[30] ES (P201030199) 2010-02-12

[11] **2,796,399**
[13] C

[51] **Int.Cl. C12N 9/88 (2006.01) C12N 15/864 (2006.01)**

[25] EN

[54] **RAAV-GUANYLATE CYCLASE COMPOSITIONS AND METHODS FOR TREATING LEBER CONGENITAL AMAUROSIS-1 (LCA1)**

[54] **COMPOSITIONS DE GUALYLATE CYCLASE RAAV ET METHODES DE TRAITEMENT DE L'AMAUROSE-1 CONGENITALE DE LEBER (LCA1)**

[72] BOYE, SHANNON ELIZABETH, US

[72] HAUSWIRTH, WILLIAM W., US

[72] BOYE, SANFORD LEON, US

[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US

[85] 2012-10-12

[86] 2011-04-22 (PCT/US2011/033669)

[87] (WO2011/133933)

[30] US (61/327,521) 2010-04-23

[11] **2,805,875**
[13] C

[51] **Int.Cl. C40B 40/08 (2006.01) G16B 35/00 (2019.01) C07K 16/00 (2006.01) C12N 1/19 (2006.01) C12N 15/13 (2006.01) C40B 30/04 (2006.01) C40B 40/02 (2006.01) C40B 40/10 (2006.01) C40B 50/00 (2006.01)**

[25] EN

[54] **LIBRARIES COMPRISING SEGMENTAL POOLS, AND METHODS FOR THEIR PREPARATION AND USE**

[54] **LIBRAIRIES RENFERMANT DES GROUPEMENTS DE SEGMENTATION ET LEURS METHODES DE PREPARATION ET UTILISATION**

[72] VASQUEZ, MAXIMILIANO, US

[72] SIVASUBRAMANIAN, ARVIND, US

[72] FELDHAUS, MICHAEL, US

[73] ADIMAB, LLC, US

[85] 2013-01-14

[86] 2011-07-14 (PCT/US2011/044063)

[87] (WO2012/009568)

[30] US (61/365,194) 2010-07-16

[11] **2,806,786**
[13] C

[51] **Int.Cl. G08B 13/196 (2006.01) H04N 21/2343 (2011.01) H04N 21/80 (2011.01) H04W 4/30 (2018.01) H04N 7/18 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD OF ON DEMAND VIDEO EXCHANGE BETWEEN ON SITE OPERATORS AND MOBILE OPERATORS**

[54] **SYSTEME ET PROCEDE POUR ECHANGE DE VIDEOS SUR DEMANDE ENTRE DES OPERATEURS DE SITES ET DES OPERATEURS MOBILES**

[72] TOMAR, ABHAY SINGH, US

[72] SINGH, YUVRAJ, US

[72] NARAYANAN, BODDY, US

[72] KOLI, BHUPESH KUMAR, US

[73] HONEYWELL INTERNATIONAL INC., US

[86] (2806786)

[87] (2806786)

[22] 2013-02-19

[30] US (13/403,359) 2012-02-23

[11] **2,807,916**
[13] C

[51] **Int.Cl. A61B 5/08 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD OF DETECTING SLEEP DISORDERS**

[54] **SYSTEME ET METHODE POUR DETECTER LES TROUBLES DU SOMMEIL**

[72] LYONS, CHRISTOPHER T., US

[72] LYONS, ELLEN M., US

[72] LYONS, STEPHEN T., US

[73] LYONS, CHRISTOPHER T., US

[73] LYONS, ELLEN M., US

[73] LYONS, STEPHEN T., US

[85] 2013-02-08

[86] 2011-08-10 (PCT/US2011/047248)

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[30] US (61/372,202) 2010-08-10

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[11] **2,809,368**
[13] C

[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/564 (2006.01)**
[25] EN
[54] **METHODS FOR DETECTING ANTI-HE4 ANTIBODIES AND METHODS OF DIAGNOSIS AND/OR PROGNOSIS OF CONDITIONS ASSOCIATED WITH HE4-EXPRESSING CELLS**
[54] **METHODES POUR LA DETECTION D'ANTICORPS ANTI-HE4 ET METHODES DE DIAGNOSTIC ET/OU DE PRONOSTIC D'ETATS ASSOCIES A DES CELLULES EXPRIMANT HE4**
[72] HELLSTROM, KARL ERIK, US
[72] HELLSTROM, INGEGERD, US
[72] LIU, PU, US
[72] JAFFAR, JADE, AU
[72] SWISHER, ELIZABETH, US
[73] UNIVERSITY OF WASHINGTON THROUGH ITS CENTER FOR COMMERCIALIZATION, US
[85] 2013-02-25
[86] 2011-08-26 (PCT/US2011/049274)
[87] (WO2012/027631)
[30] US (61/377,387) 2010-08-26

[11] **2,818,359**
[13] C

[51] **Int.Cl. H02K 23/66 (2006.01) H02K 1/27 (2006.01) H02K 23/02 (2006.01) H02K 24/00 (2006.01) H02P 7/00 (2016.01)**
[25] EN
[54] **SWITCH TYPE DC ELECTRIC MACHINE HAVING AUXILIARY EXCITATION WINDING AND CONDUCTION RING AND BRUSH**
[54] **MACHINE ELECTRIQUE A COURANT CONTINU DE TYPE A COMMUTATEUR DOTE D'UN BOBINAGE D'EXCITATION AUXILIAIRE ET D'UN ANNEAU DE CONDUCTION ET D'UN BALAI**
[72] YANG, TAI-HER, TW
[73] YANG, TAI-HER, CN
[86] (2818359)
[87] (2818359)
[22] 2013-06-11
[30] US (13/493,126) 2012-06-11
[30] US (13/837,110) 2013-03-15

[11] **2,818,835**
[13] C

[51] **Int.Cl. H02P 1/16 (2006.01) H02P 1/26 (2006.01) H02P 1/46 (2006.01) H02P 27/04 (2016.01)**
[25] EN
[54] **SYSTEMS, APPARATUS, AND METHODS FOR SOFT STARTING LARGE AC MOTORS WITH A VARIABLE FREQUENCY DRIVE**
[54] **SYSTEMES, APPAREIL ET PROCEDES DE MONTEE EN REGIME DE GROS MOTEURS A COURANT ALTERNATIF AVEC ENTRAINEMENT A FREQUENCE VARIABLE**
[72] OSMAN, RICHARD H., US
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[86] (2818835)
[87] (2818835)
[22] 2013-06-13
[30] US (61/659,133) 2012-06-13
[30] US (13/915,815) 2013-06-12

[11] **2,820,902**
[13] C

[51] **Int.Cl. G06Q 10/08 (2012.01) G16H 20/10 (2018.01) A61J 7/00 (2006.01) B65C 9/46 (2006.01) G01V 8/10 (2006.01)**
[25] EN
[54] **AUTOMATED LABEL AND VERIFICATION SYSTEMS AND METHODS FOR FILLING CUSTOMER ORDERS OF MEDICAL ITEMS**
[54] **SYSTEMES DE VERIFICATION ET D'ETIQUETTES AUTOMATISES ET PROCEDES POUR REMPLIR LES COMMANDES D'ELEMENTS MEDICAUX DES CLIENTS**
[72] CARSON, BRADLEY E., US
[72] FRIDAY, JACK M., US
[73] OMNICARE, INC., US
[86] (2820902)
[87] (2820902)
[22] 2013-07-16
[30] US (61/674,649) 2012-07-23
[30] US (61/674,644) 2012-07-23
[30] US (13/801,070) 2013-03-13

[11] **2,821,519**
[13] C

[51] **Int.Cl. A01H 5/00 (2018.01) A01H 6/46 (2018.01) A01H 6/54 (2018.01) A01H 6/60 (2018.01) A01H 5/10 (2018.01) C07K 14/32 (2006.01) C07K 14/325 (2006.01) C12N 5/10 (2006.01) C12N 15/32 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **COMBINED USE OF VIP3AB AND CRY1AB FOR MANAGEMENT OF RESISTANT INSECTS**
[54] **UTILISATION COMBINEE DE VIP3AB ET CRY1AB POUR GESTION D'INSECTES RESISTANTS**
[72] NARVA, KENNETH E., US
[72] MEADE, THOMAS, US
[72] WOOSLEY, AARON T., US
[72] BURTON, STEPHANIE, US
[72] STORER, NICHOLAS P., US
[72] SHEETS, JOEL J., US
[73] DOW AGROSCIENCES LLC, US
[85] 2013-06-12
[86] 2011-12-16 (PCT/US2011/065585)
[87] (WO2012/083219)
[30] US (61/423,935) 2010-12-16

[11] **2,822,164**
[13] C

[51] **Int.Cl. C02F 1/20 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TREATING PROCESS WATER**
[54] **PROCEDE ET DISPOSITIF POUR LE TRAITEMENT D'EAU DE PROCESSUS**
[72] HECKMANN, HADO, AT
[72] SCHMIDT, ULRIKE, AT
[72] MILLNER, ROBERT, AT
[72] WURM, JOHANN, AT
[72] GSTOETTENMAYR, ALOIS, AT
[72] LUKSCHANDER, KURT, AT
[72] SIEGL, HELMUT, AT
[72] CHOI, CHONG WON, KR
[72] YOON, SEOK MIN, KR
[73] PRIMETALS TECHNOLOGIES AUSTRIA GMBH, AT
[73] POSCO, KR
[85] 2013-06-18
[86] 2011-12-06 (PCT/EP2011/071851)
[87] (WO2012/084480)
[30] AT (A 2094/2010) 2010-12-20

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[11] **2,824,017**
[13] C

[51] **Int.Cl. G06F 13/14 (2006.01) H04W 92/18 (2009.01) G06F 3/01 (2006.01) G06F 13/42 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR TRANSMITTING USER INPUT FROM A SINK DEVICE TO A SOURCE DEVICE IN A WI-FI DIRECT COMMUNICATION SYSTEM**

[54] **PROCEDE ET APPAREIL DE TRANSMISSION D'ENTREE D'UTILISATEUR DE DISPOSITIF COLLECTEUR A DISPOSITIF SOURCE DANS SYSTEME DE COMMUNICATION DIRECT WI-FI**

[72] VERMA, LOCHAN, KR
[72] QIAN, LUKE, US
[73] SAMSUNG ELECTRONICS CO., LTD., KR

[85] 2013-07-05
[86] 2012-01-13 (PCT/KR2012/000341)
[87] (WO2012/096546)
[30] US (61/432,779) 2011-01-14

[11] **2,827,900**
[13] C

[51] **Int.Cl. B41J 3/407 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR THREE-DIMENSIONAL DIGITAL PRINTING**

[54] **PROCEDE ET APPAREIL DESTINES A UNE IMPRESSION NUMERIQUE TRIDIMENSIONNELLE**

[72] QUATTROCIOCCI, ANGELO RAYMOND, CA
[72] OLSON, JOHN STEWART, US
[73] 3DPHOTOWORKS LLC, US

[85] 2013-08-20
[86] 2012-02-21 (PCT/US2012/025883)
[87] (WO2012/115935)
[30] US (13/031,249) 2011-02-21

[11] **2,829,633**
[13] C

[51] **Int.Cl. H01Q 3/16 (2006.01) H01Q 1/28 (2006.01) H01Q 3/46 (2006.01)**

[25] EN

[54] **SPACE BORNE ANTENNA SYSTEM**

[54] **SYSTEME D'ANTENNE AEROSPATIAL**

[72] FUGEN, THOMAS, DE
[72] VOLKER, MICHAEL, DE
[72] KLEIN, RAINER, DE
[72] ANGEVAIN, JEAN-CHRISTOPHE, NL

[73] AIRBUS DEFENCE AND SPACE GMBH, DE

[86] (2829633)
[87] (2829633)
[22] 2013-10-07
[30] EP (12007610.4) 2012-11-08

[11] **2,838,557**
[13] C

[51] **Int.Cl. C01B 32/16 (2017.01) B82Y 40/00 (2011.01) H01G 11/36 (2013.01) H01G 11/58 (2013.01) C01B 32/158 (2017.01) C01B 32/162 (2017.01) B01F 11/02 (2006.01) C30B 25/00 (2006.01) C30B 29/02 (2006.01) C30B 29/66 (2006.01) H01G 9/06 (2006.01)**

[25] EN

[54] **ENERGY STORAGE MEDIA FOR ULTRACAPACITORS**

[54] **MILIEUX DE STOCKAGE D'ENERGIE POUR ULTRACONDENSATEURS**

[72] BRAMBILLA, NICOLO MICHELE, US
[72] RAMACHANDRA, KAVYA, US
[72] SIGNORELLI, RICCARDO, US
[73] FASTCAP SYSTEMS CORPORATION, US

[85] 2013-12-05
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[87] (WO2012/170749)
[30] US (61/494,164) 2011-06-07
[30] US (61/524,071) 2011-08-16
[30] US (61/525,326) 2011-08-19
[30] US (61/568,450) 2011-12-08
[30] US (61/569,010) 2011-12-09
[30] US (61/570,587) 2011-12-14
[30] US (61/602,121) 2012-02-23

[11] **2,839,587**
[13] C

[51] **Int.Cl. E04B 2/56 (2006.01) E04B 2/00 (2006.01)**

[25] EN

[54] **HIGH PERFORMANCE WALL ASSEMBLY**

[54] **ENSEMBLE MURAL HAUTE PERFORMANCE**

[72] SIEVERS, MICHAEL J., US
[72] MCNULTY, MICHAEL J., US
[72] DREWERY, MICHAEL, US
[72] DAVENPORT, RICK, US
[72] POMA, MARY, US
[72] FOX, PAUL J., US
[72] SWANSON, COLBY A., US
[73] BASF SE, DE

[85] 2013-12-16
[86] 2012-06-15 (PCT/US2012/042667)
[87] (WO2012/174377)
[30] US (61/498,090) 2011-06-17

[11] **2,843,165**
[13] C

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[25] EN

[54] **VIRUS-BASED VECTOR COMPOSITIONS USEFUL FOR TRANSDUCING EUKARYOTIC CELLS**

[54] **COMPOSITIONS DE VECTEUR A BASE DE VIRUS UTILES POUR LA TRANSDUCTION DE CELLULES EUKARYOTES**

[72] BOUILLE, PASCALE, FR
[72] VERGNAULT, HELENE, FR
[72] GAYON, REGIS, FR
[72] MOAL, YOHANN, FR
[73] VECTALYS, FR

[85] 2014-01-24
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[11] **2,847,620**

[13] C

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[25] EN
[54] **BONDED ABRASIVE ARTICLE**
[54] **ARTICLE ABRASIF LIE**
[72] FLASCHBERGER, WALTER, AT
[72] KIRSCHNER, ANDREA VERONIKA, AT
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2014-03-04
[86] 2012-09-06 (PCT/EP2012/067426)
[87] (WO2013/045251)
[30] EP (11180479.5) 2011-09-07
[30] EP (11180639.4) 2011-09-08

[11] **2,848,042**

[13] C

- [51] **Int.Cl. H01H 71/04 (2006.01) H01H 71/02 (2006.01)**
[25] EN
[54] **CIRCUIT BREAKER HAVING A USE CONFIRMATION INSERT**
[54] **DISJONCTEUR COMPORTANT UN INSERT DE CONFIRMATION D'UTILISATION**
[72] WHIPPLE, MICHAEL JEROME, US
[72] LIAS, EDWARD ETHBER, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2848042)
[87] (2848042)
[22] 2014-04-02
[30] US (13/893,745) 2013-05-14

[11] **2,848,147**

[13] C

- [51] **Int.Cl. A61K 51/04 (2006.01) C07C 279/08 (2006.01) C07D 237/16 (2006.01)**
[25] EN
[54] **COMPOSITIONS, METHODS, AND SYSTEMS FOR THE SYNTHESIS AND USE OF IMAGING AGENTS**
[54] **COMPOSITIONS, PROCEDES ET SYSTEMES DE SYNTHESE ET D'UTILISATION D'AGENTS D'IMAGERIE**
[72] RADEKE, HEIKE S., US
[72] CESATI, RICHARD R., US
[72] PUROHIT, AJAY, US
[72] HARRIS, THOMAS D., US
[72] ROBINSON, SIMON P., US
[72] YU, MING, US
[72] CASEBIER, DAVID S., US
[72] HU, CAROL HUI, US
[72] BROEKEMA, MATTHIAS, US
[72] ONTHANK, DAVID C., US
[73] LANTHEUS MEDICAL IMAGING, INC., US
[85] 2014-03-07
[86] 2012-09-07 (PCT/US2012/054309)
[87] (WO2013/036869)
[30] US (61/533,133) 2011-09-09
[30] US (61/656,492) 2012-06-06
[30] US (61/656,489) 2012-06-06

[11] **2,848,407**

[13] C

- [51] **Int.Cl. G06F 3/048 (2013.01) G06F 3/14 (2006.01)**
[25] EN
[54] **USER INTERFACE FOR EDITING A VALUE IN PLACE**
[54] **INTERFACE UTILISATEUR PERMETTANT DE MODIFIER UNE VALEUR EN PLACE**
[72] RAMPSON, BENJAMIN EDWARD, US
[72] CHENG, KAREN XIAOXU, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2014-03-11
[86] 2012-09-22 (PCT/US2012/056778)
[87] (WO2013/044189)
[30] US (13/240,547) 2011-09-22

[11] **2,850,328**

[13] C

- [51] **Int.Cl. C12N 15/85 (2006.01) C07K 16/00 (2006.01)**
[25] FR
[54] **TRANSCRIPTION UNIT AND USE THEREOF IN (YB2/0) EXPRESSION VECTORS**
[54] **UNITES DE TRANSCRIPTION ET LEUR UTILISATION DANS DES VECTEURS D'EXPRESSION**
[72] FONTAYNE, ALEXANDRE, FR
[72] COUTARD, FRANCOIS, FR
[73] LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES BIOTECHNOLOGIES, FR
[85] 2014-03-27
[86] 2012-10-29 (PCT/FR2012/052496)
[87] (WO2013/061010)
[30] FR (1159864) 2011-10-28

[11] **2,853,281**

[13] C

- [51] **Int.Cl. B32B 5/28 (2006.01) B29C 70/36 (2006.01) B32B 27/04 (2006.01) B32B 38/12 (2006.01)**
[25] EN
[54] **DEEP DRAW COMPOSITES AND METHODS OF USING THEM**
[54] **COMPOSITES A EMBOUTISSAGE PROFOND ET LEURS PROCEDES D'UTILISATION**
[72] KUNAL, KUMAR, US
[72] EBELING, THOMAS ARNOLD, US
[72] HIPWELL, JESSE GUY, US
[72] VORENKAMP, ERICH JAMES, US
[73] HANWHA AZDEL, INC., US
[85] 2014-04-23
[86] 2012-07-07 (PCT/US2012/045869)
[87] (WO2013/062642)
[30] US (61/550,603) 2011-10-24

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[13] C

[51] **Int.Cl. A61K 31/19 (2006.01) A61K 31/445 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **USE OF ANTI-CONNEXIN AGENTS FOR ENHANCING THE THERAPEUTIC EFFECT OF ACETYLCHOLINESTERASE INHIBITORS**
[54] **UTILISATION D'AGENTS ANTI-CONNEXINE POUR AMELIORER L'EFFET THERAPEUTIQUE DES INHIBITEURS DE L'ACETYLCHOLINESTERASE**
[72] MOUTHON, FRANCK, FR
[72] CHARVERIAT, MATHIEU, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2014-04-24
[86] 2012-10-31 (PCT/EP2012/071631)
[87] (WO2013/064579)
[30] EP (11306407.5) 2011-10-31

[11] **2,855,035**
[13] C

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[25] EN
[54] **THERMOCOUPLE**
[54] **THERMOCOUPLE**
[72] EWING, JAMES, GB
[72] LOVELESS, DANIEL, GB
[73] WESTON AEROSPACE LIMITED, GB
[86] (2855035)
[87] (2855035)
[22] 2014-06-23
[30] GB (1311174.5) 2013-06-24

[11] **2,857,861**
[13] C

[51] **Int.Cl. A01G 31/00 (2018.01) A01G 24/28 (2018.01) C05F 11/00 (2006.01)**
[25] EN
[54] **A CULTIVATION MEDIUM PRESENTING WATER AVAILABILITY COMPARABLE TO THAT OF A PEAT**
[54] **UN MILIEU DE CULTURE OFFRANT UNE DISPONIBILITE D'EAU COMPARABLE A CELLE D'UNE MOUSSE**
[72] TOURNAYRE, LAURENT, FR
[72] BEAUDET, ERIC, FR
[73] FLORENTAISE, FR
[86] (2857861)
[87] (2857861)
[22] 2014-07-25
[30] EP (14 305 960.8) 2014-06-20

[11] **2,859,889**
[13] C

[51] **Int.Cl. C12N 1/20 (2006.01) C12N 11/04 (2006.01) C12N 11/12 (2006.01)**
[25] EN
[54] **COMPOSITION FOR EMBEDDED MICROBIAL CULTURE**
[54] **COMPOSITION POUR LA CULTURE MICROBIENNE A INCLUSION**
[72] LAURAEUS, MARKO, FI
[72] LAUKKANEN, ANTTI, FI
[73] UPM-KYMMENE CORPORATION, FI
[85] 2014-06-19
[86] 2012-12-18 (PCT/FI2012/051266)
[87] (WO2013/093199)
[30] FI (20116314) 2011-12-22

[11] **2,860,625**
[13] C

[51] **Int.Cl. A01N 63/16 (2020.01) A01K 67/033 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **MITE COMPOSITION COMPRISING A PREDATORY MITE AND IMMOBILIZED PREY CONTACTED WITH A FUNGUS REDUCING AGENT AND METHODS AND USES RELATED TO THE USE OF SAID COMPOSITION**
[54] **COMPOSITION D'ACARIEN COMPRENANT UN ACARIEN PREDATEUR ET UNE PROIE IMMOBILISEE MISE EN CONTACT AVEC UN AGENT DE REDUCTION DE CHAMPIGNONS, ET METHODES ET UTILISATIONS LIEES A LADITE COMPOSITION.**
[72] BOLCKMANS, KAREL JOZEF FLORENT, BE
[72] VAN HOUTEN, YVONNE MARIA, NL
[72] VAN BAAL, ADELMAR EMMANUEL, NL
[72] TIMMER, RADBOUT, NL
[72] MOREL, DAMIEN MARC, FR
[73] KOPPERT B.V., NL
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[86] 2012-10-23 (PCT/NL2012/050736)
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[13] C

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[25] EN
[54] **ADAPTIVE REMAINING USEFUL LIFE BALANCING CONTROL SYSTEM AND METHOD FOR MULTI-ENGINE SYSTEMS**
[54] **SYSTEME DE COMMANDE D'EQUILIBRAGE DE DUREE DE VIE UTILE RESTANTE ADAPTATIVE ET PROCEDE POUR SYSTEMES A PLUSIEURS MOTEURS**
[72] GORDON, GRANT, US
[72] PERALTA-DURAN, HECTOR ALONSO, US
[72] LING, RICHARD, US
[72] GORELIK, MICHAEL, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2861362)
[87] (2861362)
[22] 2014-08-29
[30] US (14/030,039) 2013-09-18

[11] **2,862,628**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7125 (2006.01) A61P 21/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **RNA MODULATING OLIGONUCLEOTIDES WITH IMPROVED CHARACTERISTICS FOR THE TREATMENT OF DUCHENNE AND BECKER MUSCULAR DYSTROPHY**
[54] **OLIGONUCLEOTIDES A MODULATION D'ARN DOTES DE CARACTERISTIQUES AMELIOREES POUR LE TRAITEMENT DE LA DYSTROPHIE MUSCULAIRE DE DUCHENNE ET DE BECKER**
[72] DE VISSER, PETER CHRISTIAN, NL
[72] VAN DEUTEKOM, JUDITH CHRISTINA THEODORA, NL
[73] BIOMARIN TECHNOLOGIES B.V., NL
[85] 2014-07-24
[86] 2013-01-28 (PCT/NL2013/050045)
[87] (WO2013/112053)
[30] EP (12152934.1) 2012-01-27
[30] US (61/591,354) 2012-01-27
[30] US (61/612,467) 2012-03-19

[11] **2,862,770**
[13] C

[51] **Int.Cl. G01N 27/622 (2021.01)**
[25] EN
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[54] **MODIFICATION IONIQUE SYNCHRONISEE**
[72] TAYLOR, STEPHEN J., GB
[72] ATKINSON, JONATHAN R., GB
[73] SMITHS DETECTION - WATFORD LTD., GB
[85] 2014-07-08
[86] 2013-02-15 (PCT/IB2013/000617)
[87] (WO2013/121287)
[30] US (61/599,499) 2012-02-16

[11] **2,862,905**
[13] C

[51] **Int.Cl. B05D 5/06 (2006.01) B42D 25/369 (2014.01) B42D 25/378 (2014.01) B42D 25/40 (2014.01) B32B 33/00 (2006.01) B41F 1/02 (2006.01) B41F 1/10 (2006.01) B41M 3/14 (2006.01) B41M 7/00 (2006.01) B44C 1/00 (2006.01) C09D 5/00 (2006.01) C09D 11/037 (2014.01)**
[25] EN
[54] **ARTICLE WITH A DYNAMIC FRAME FORMED WITH ALIGNED PIGMENT FLAKES**
[54] **OBJET A CADRE DYNAMIQUE CONSTITUE DE FLOCONS DE PIGMENT ALIGNES**
[72] RAKSHA, VLADIMIR P., US
[72] HYNES, JOHN, US
[72] HOLDEN, LAURENCE, US
[72] COOMBS, PAUL G., US
[73] VIAVI SOLUTIONS INC., US
[85] 2014-07-08
[86] 2013-01-09 (PCT/US2013/020885)
[87] (WO2013/106470)
[30] US (61/585,954) 2012-01-12

[11] **2,863,691**
[13] C

[51] **Int.Cl. B25C 1/04 (2006.01)**
[25] EN
[54] **STAPLES FEEDER ASSEMBLY WITH CONCEALED SLIDER FOR PNEUMATIC FASTENER MAGAZINE**
[54] **ENSEMBLE D'ALIMENTATION EN AGRAFES A GLISSIERE DISSIMULEE POUR CHARGEUR DE FIXATIONS PNEUMATIQUE**
[72] MALTAIS, JACQUES, CA
[72] DION, MARC, CA
[72] LAVOIE, DAVID, CA
[73] LABORATOIRE PRIMATECH INC., CA
[86] (2863691)
[87] (2863691)
[22] 2014-09-17
[30] US (61/879,328) 2013-09-18

[11] **2,863,865**
[13] C

[51] **Int.Cl. A61F 2/30 (2006.01) A61B 17/56 (2006.01) A61F 2/28 (2006.01)**
[25] EN
[54] **PROSTHETIC IMPLANT FOR BALL AND SOCKET JOINTS AND METHOD OF USE**
[54] **PROTHESE POUR ARTICULATIONS SPHEROIDES ET SON PROCEDE D'UTILISATION**
[72] HUNT, JESSEE, US
[73] 4-WEB, INC., US
[85] 2014-08-05
[86] 2013-02-08 (PCT/US2013/025281)
[87] (WO2013/119907)
[30] US (61/596,472) 2012-02-08

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[11] **2,865,892**
[13] C

[51] **Int.Cl. G01N 33/48 (2006.01) G16H 50/20 (2018.01) A61B 5/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS OF EVALUATING A RISK OF A GASTROINTESTINAL CANCER**
[54] **PROCEDES ET SYSTEMES POUR EVALUER UN RISQUE DE CANCER GASTRO-INTESTINAL**
[72] KALKSTEIN, NIR, IL
[72] KINAR, YARON, IL
[72] SHALEV, VARDA, IL
[72] CHODICK, GABRIEL, IL
[72] GOLDSHTEIN, INBAL, IL
[73] MEDIAL RESEARCH LTD., IL
[85] 2014-08-28
[86] 2013-05-02 (PCT/IL2013/050368)
[87] (WO2013/164823)
[30] US (61/641,979) 2012-05-03

[11] **2,866,062**
[13] C

[51] **Int.Cl. A01D 65/02 (2006.01)**
[25] EN
[54] **REEL FINGER WITH ALIGNMENT PIN**
[54] **DOIGT POUR BOBINE AVEC TIGE D'ALIGNEMENT**
[72] HERRINGSHAW, BRIAN, US
[72] DEMAY, TERRY L., US
[72] NEELY, JESSE R., US
[72] PIERSON, JOSHUA R., US
[73] DEERE & COMPANY, US
[86] (2866062)
[87] (2866062)
[22] 2014-10-03
[30] US (14/046,303) 2013-10-04

[11] **2,866,186**
[13] C

[51] **Int.Cl. B01D 53/62 (2006.01) B01D 53/14 (2006.01)**
[25] EN
[54] **CARBON DIOXIDE CHEMICAL SEQUESTRATION FROM INDUSTRIAL EMISSIONS BY CARBONATION**
[54] **SEQUESTRATION CHIMIQUE DU DIOXYDE DE CARBONE A PARTIR D'EMISSIONS INDUSTRIELLES PAR CARBONATATION**
[72] PUTHIYA VEETIL, SANOOPKUMAR, IN
[72] PASQUIER, LOUIS-CESAR, FR
[72] KENTISH, SANDRA, AU
[72] MERCIER, GUY, CA
[72] BLAIS, JEAN-FRANCOIS, CA
[72] CECCHI, EMMANUELLE, CA
[73] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
[85] 2014-09-03
[86] 2013-03-07 (PCT/CA2013/050170)
[87] (WO2013/131193)
[30] CA (2,771,111) 2012-03-07

[11] **2,868,019**
[13] C

[51] **Int.Cl. G01S 13/88 (2006.01) G01N 29/11 (2006.01) G01S 15/89 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM OF NON-DESTRUCTIVE TESTING OF COMPOSITES**
[54] **PROCEDE ET SYSTEME DE TEST NON DESTRUCTIF DE COMPOSITES**
[72] JACK, DAVID A., US
[72] FITCH, JOHN E., US
[72] VO, THERESA, US
[73] VERIFI TECHNOLOGIES, LLC, US
[85] 2014-09-19
[86] 2013-03-20 (PCT/US2013/033187)
[87] (WO2013/142621)
[30] US (61/613,482) 2012-03-20

[11] **2,868,401**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01)**
[25] EN
[54] **STABLE ANTI-CXCR5 IGG4 ANTIBODY FORMULATIONS**
[54] **PREPARATIONS D'ANTICORPS IGG4 STABLES ANTI-CXCR5**
[72] SCHNIEDERS, JULIA, US
[72] USENER, DIRK, US
[72] YOUSSEF, AHMED, US
[72] HAGENDORF, ANNIKA, DE
[72] KIRSCH, MARTINA, US
[72] RUGGEBERG, SABRINA, US
[73] SANOFI, FR
[85] 2014-09-24
[86] 2013-03-26 (PCT/US2013/033881)
[87] (WO2013/148686)
[30] US (61/615,539) 2012-03-26
[30] FR (1351013) 2013-02-06

[11] **2,870,160**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **NUCLEIC ACID SAMPLE PREPARATION**
[54] **PREPARATION D'UN ECHANTILLON D'ACIDE NUCLEIQUE**
[72] SWANSON, PAUL, US
[72] TURNER, ROBERT, US
[72] YANG, KAI, US
[72] DOBROVOLSKAYA, IRINA, US
[72] LIU, DAVID, US
[72] KRISHNAN, RAJARAM, US
[72] CHARLOT, DAVID, US
[72] TU, EUGENE, US
[72] MCCANNA, JAMES, US
[72] KUMOSA, LUCAS, US
[73] BIOLOGICAL DYNAMICS, INC., US
[85] 2014-10-09
[86] 2013-04-16 (PCT/US2013/036845)
[87] (WO2013/158686)
[30] US (61/624,897) 2012-04-16

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[11] **2,871,430**
[13] C

[51] **Int.Cl. H01M 4/13 (2010.01) H01M 4/133 (2010.01) H01M 4/136 (2010.01) H01M 4/139 (2010.01) H01M 10/0525 (2010.01) H01M 4/62 (2006.01)**

[25] EN

[54] **LITHIUM-ION SECONDARY BATTERY AND METHOD OF PRODUCING SAME**

[54] **BATTERIE RECHARGEABLE AU LITHIUM-ION ET SON PROCÉDE DE PRODUCTION**

[72] ZAGHIB, KARIM, CA

[72] SAITO, SHINJI, JP

[72] GUERFI, ABDELBAST, CA

[72] SAWAI, TAKEHIKO, JP

[72] URAO, KAZUNORI, JP

[72] NAKAGAWA, JUN, JP

[72] BARRAY, FRANCIS, CA

[72] FRECHETTE, JOEL, CA

[73] HYDRO-QUEBEC, CA

[85] 2014-10-23

[86] 2013-05-06 (PCT/CA2013/050347)

[87] (WO2013/166598)

[30] CA (2,776,205) 2012-05-08

[11] **2,871,751**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01)**

[25] EN

[54] **AFFINITY MATURED ANTI-CCR4 HUMANIZED MONOCLONAL ANTIBODIES AND METHODS OF USE**

[54] **ANTICORPS ANTI-CCR4 MONOCLONAUX HUMANISÉS MATURES PAR AFFINITÉ ET LEURS PROCÉDES D'UTILISATION**

[72] MARASCO, WAYNE A., US

[72] SUI, JIANHUA, US

[72] ZHU, QUAN, US

[72] CHANG, DE-KUAN, US

[73] DANA-FARBER CANCER INSTITUTE, INC., US

[85] 2014-10-27

[86] 2013-05-06 (PCT/US2013/039744)

[87] (WO2013/166500)

[30] US (61/642,749) 2012-05-04

[30] US (61/785,559) 2013-03-14

[11] **2,871,968**
[13] C

[51] **Int.Cl. B62D 55/04 (2006.01)**

[25] EN

[54] **TEMPORARY WHEEL SUPPORT FOR SNOWMOBILES**

[54] **SUPPORT DE ROUE TEMPORAIRE POUR MOTONEIGES**

[72] LACOMBE, DANIEL, CA

[73] LACOMBE, DANIEL, CA

[86] (2871968)

[87] (2871968)

[22] 2014-11-24

[30] CA (2,840,933) 2014-01-29

[11] **2,873,638**
[13] C

[51] **Int.Cl. B01D 69/10 (2006.01) B01D 61/14 (2006.01) B01D 67/00 (2006.01)**

[25] EN

[54] **LOW RESISTANCE MICROFABRICATED FILTER**

[54] **FILTRE MICROUSINE A FAIBLE RESISTANCE**

[72] KANT, RISHI, US

[72] ROY, SHUVO, US

[72] CHUI, BENJAMIN, US

[72] GOLDMAN, KENNETH G., US

[73] REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2014-11-13

[86] 2013-05-16 (PCT/US2013/041428)

[87] (WO2013/173631)

[30] US (61/647,939) 2012-05-16

[11] **2,874,486**
[13] C

[51] **Int.Cl. C07K 14/705 (2006.01)**

[25] EN

[54] **MURINE ANTI-NY-ESO-1 T CELL RECEPTORS**

[54] **RECEPTEURS MURINS DES LYMPHOCYTES T ANTI-NY-ESO-1**

[72] PARKHURST, MARIA R., US

[72] MORGAN, RICHARD A., US

[72] ROSENBERG, STEVEN A., US

[72] ROSATI, SHANNON FAITH, US

[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

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[87] (WO2013/177247)

[30] US (61/650,020) 2012-05-22

[11] **2,874,518**
[13] C

[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **MICROBEAD AGGLUTINATION BASED ASSAYS**

[54] **DOSAGES SUR LA BASE DE L'AGGLUTINATION DE MICROBILLES**

[72] CASTRO SIGNORET, DAVID AGUSTIN, SA

[72] FOULDS, IAN G., SA

[72] KODZIUS, RIMANTAS, SA

[73] KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, SA

[85] 2014-11-21

[86] 2013-05-23 (PCT/IB2013/001846)

[87] (WO2013/175318)

[30] US (61/650,768) 2012-05-23

[30] US (61/654,861) 2012-06-02

[11] **2,874,691**
[13] C

[51] **Int.Cl. C12N 5/09 (2010.01) C12N 5/078 (2010.01) C12Q 1/04 (2006.01) G01N 33/48 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **CAPTURE, IDENTIFICATION AND USE OF A NEW BIOMARKER OF SOLID TUMORS IN BODY FLUIDS**

[54] **CAPTURE, IDENTIFICATION ET UTILISATION D'UN NOUVEAU BIOMARQUEUR DE TUMEURS SOLIDES DANS DES LIQUIDES ORGANIQUES**

[72] ADAMS, DANIEL, US

[72] TANG, CHA-MEI, US

[73] CREATV MICROTECH, INC., US

[85] 2014-11-24

[86] 2013-05-31 (PCT/US2013/043610)

[87] (WO2013/181532)

[30] US (61/654,636) 2012-06-01

[30] US (61/773,026) 2013-03-05

[30] US (61/787,863) 2013-03-15

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[11] **2,877,907**
[13] C

[51] **Int.Cl. A61N 1/18 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **METHOD FOR FUNCTIONAL ELECTRICAL STIMULATION THERAPY**

[54] **PROCEDE DE THERAPIE DE STIMULATION ELECTRIQUE FONCTIONNELLE**

[72] BULSEN, ABDULKADIR, CA

[72] DESAI, NAAZ ANKUR, CA

[72] POPOVIC, MILOS, CA

[73] MYNDTEC INC., CA

[85] 2014-12-24

[86] 2013-06-26 (PCT/CA2013/050499)

[87] (WO2014/000107)

[30] US (61/664,306) 2012-06-26

[11] **2,879,185**
[13] C

[51] **Int.Cl. G01N 33/574 (2006.01) C07K 16/18 (2006.01) C12N 15/02 (2006.01) C12P 21/08 (2006.01) G01N 33/48 (2006.01) G01N 33/53 (2006.01) G01N 33/577 (2006.01)**

[25] EN

[54] **METHOD FOR DETECTING CANCER**

[54] **PROCEDE DE DETECTION DE CANCER**

[72] IDO, TAKAYOSHI, JP

[72] OKANO, FUMIYOSHI, JP

[73] TORAY INDUSTRIES, INC., JP

[85] 2015-01-14

[86] 2013-07-19 (PCT/JP2013/069649)

[87] (WO2014/014086)

[30] JP (2012-160763) 2012-07-19

[11] **2,882,753**
[13] C

[51] **Int.Cl. C07K 16/30 (2006.01)**

[25] EN

[54] **MESOTHELIN DOMAIN-SPECIFIC MONOCLONAL ANTIBODIES AND USE THEREOF**

[54] **ANTICORPS MONOCLONAUX SPECIFIQUES AU DOMAINE DE LA MESOTHELINE ET UTILISATION DE CES DERNIERS**

[72] GAO, WEI, US

[72] HASSAN, RAFFIT, US

[72] HO, MITCHELL, US

[72] PASTAN, IRA H., US

[72] PHUNG, YEN T., US

[72] ZHANG, YIFAN, US

[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

[85] 2015-02-20

[86] 2013-08-16 (PCT/US2013/055273)

[87] (WO2014/031476)

[30] US (61/691,719) 2012-08-21

[11] **2,882,832**
[13] C

[51] **Int.Cl. C08F 265/06 (2006.01) C08J 3/075 (2006.01) C08L 51/06 (2006.01) C08L 101/06 (2006.01) C09K 8/035 (2006.01) C09K 8/68 (2006.01) C10G 1/04 (2006.01)**

[25] EN

[54] **DUAL MECHANISM THICKENING AGENTS FOR HYDRAULIC FRACTURING FLUIDS**

[54] **AGENTS EPAISSISSANTS A DOUBLE MECANISME POUR DES FLUIDES DE FRACTURATION HYDRAULIQUE**

[72] MCCARTHY, PATRICK, US

[72] LIAO, YUANXI, US

[72] HUANG, LIANG, US

[73] PILOT POLYMER TECHNOLOGIES, INC., US

[85] 2015-02-24

[86] 2013-08-30 (PCT/US2013/057685)

[87] (WO2014/036498)

[30] US (61/695,103) 2012-08-30

[11] **2,883,494**
[13] C

[51] **Int.Cl. C11D 3/16 (2006.01) C11D 1/00 (2006.01) C11D 3/04 (2006.01) C11D 3/08 (2006.01) C11D 3/12 (2006.01)**

[25] EN

[54] **MULTI-FUNCTIONAL COMPOSITIONS COMPRISING A HYDROPHILIC SILANE**

[54] **COMPOSITIONS MULTIFONCTIONNELLES COMPRENANT UN SILANE HYDROPHILE**

[72] RIDDLE, JUSTIN A., US

[72] HOBBS, TERRY R., US

[72] LU, DAVID D., US

[72] D'SOUZA, ANDREW S., US

[72] JING, NAIYONG, US

[72] GARDNER, JAMES P., JR., US

[72] ZHANG, YIFAN, US

[72] MALMBERG, ZACHARY J., US

[73] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2015-02-27

[86] 2013-08-30 (PCT/US2013/057591)

[87] (WO2014/036448)

[30] US (61/696,005) 2012-08-31

[11] **2,884,000**
[13] C

[51] **Int.Cl. C12N 5/0775 (2010.01) A61K 35/12 (2015.01) C12N 5/02 (2006.01)**

[25] EN

[54] **METHOD FOR CULTURING MESENCHYMAL STEM CELLS**

[54] **METHODE DE CULTURE DE CELLULES SOUCHES MESENCHYMATEUSES**

[72] YANG, YOON-SUN, KR

[72] OH, WON IL, KR

[72] KWON, SUN JAE, KR

[72] LEE, MI YEON, KR

[72] JEON, HONG BAE, KR

[73] MEDIPOST CO., LTD., KR

[85] 2015-02-27

[86] 2013-09-02 (PCT/KR2013/007891)

[87] (WO2014/035215)

[30] KR (10-2012-0097193) 2012-09-03

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[11] **2,884,295**
[13] C

[51] **Int.Cl. A61K 39/04 (2006.01) A61K 35/74 (2015.01)**
[25] EN
[54] **TREATMENT OF POST-TRAUMATIC STRESS DISORDER WITH ISOLATED MYCOBACTERIUM**
[54] **TRAITEMENT DU TROUBLE DE STRESS POST TRAUMATIQUE PAR UN MYCOBACTERIUM ISOLE**
[72] AKLE, CHARLES, GB
[72] GRANGE, JOHN, GB
[73] IMMODULON THERAPEUTICS LIMITED, GB
[85] 2015-03-09
[86] 2013-09-17 (PCT/GB2013/052430)
[87] (WO2014/045023)
[30] GB (1216800.1) 2012-09-20

[11] **2,884,590**
[13] C

[51] **Int.Cl. D21H 19/24 (2006.01)**
[25] EN
[54] **CHLOROFLUOROPOLYMER COATED SUBSTRATES FOR PACKAGING MATERIALS**
[54] **SUBSTRATS REVETUS DE CHLOROFLUOROPOLYMERE POUR FOURNITURES D'EMBALLAGE**
[72] RAINAL, ERIC, US
[72] KERKAR, AWDHOOT VASANT, US
[72] THENAPPAN, ALAGAPPAN, US
[73] HONEYWELL INTERNATIONAL INC., US
[85] 2015-03-10
[86] 2013-09-12 (PCT/US2013/059383)
[87] (WO2014/046954)
[30] US (61/704,956) 2012-09-24
[30] US (13/834,800) 2013-03-15

[11] **2,887,326**
[13] C

[51] **Int.Cl. C07D 263/42 (2006.01) A61K 31/421 (2006.01) A61K 49/00 (2006.01) C12Q 1/00 (2006.01) G01N 33/53 (2006.01)**
[25] FR
[54] **MULTIFUNCTIONAL COUPLING REAGENTS HAVING AN AZLACTONE FUNCTION**
[54] **REACTIFS DE COUPLAGE MULTIFONCTIONNELS A FONCTION AZLACTONE**
[72] FONTAINE, LAURENT, FR
[72] HO, THE HIEN, FR
[72] PASCUAL, SAGRARIO, FR
[72] MONTEBAULT, VERONIQUE, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] UNIVERSITE DU MANS, FR
[85] 2015-04-08
[86] 2013-10-14 (PCT/EP2013/071430)
[87] (WO2014/060357)
[30] FR (1259941) 2012-10-18

[11] **2,891,838**
[13] C

[51] **Int.Cl. B62D 55/08 (2006.01) B62D 55/104 (2006.01)**
[25] EN
[54] **DEFORMABLE GUIDE RAIL AND TRACK SYSTEM COMPRISING THE SAME**
[54] **RAIL-GUIDE DEFORMABLE ET MECANISME DE RAIL INTEGRANT LE RAIL-GUIDE**
[72] MARCHILDON, LOUIS-FREDERIC, CA
[72] L'HERAULT, PATRICK, CA
[73] SOUCY INTERNATIONAL INC., CA
[86] (2891838)
[87] (2891838)
[22] 2015-05-15
[30] US (61/993,434) 2014-05-15

[11] **2,893,626**
[13] C

[51] **Int.Cl. C07D 453/02 (2006.01)**
[25] EN
[54] **COMPOUNDS HAVING MUSCARINIC RECEPTOR ANTAGONIST AND BETA2 ADRENERGIC RECEPTOR AGONIST ACTIVITY**
[54] **COMPOSES AYANT UNE ACTIVITE ANTAGONISTE DU RECEPTEUR MUSCARINIQUE ET AGONISTE DU RECEPTEUR BETA2 ADRENERGIQUE**
[72] RANCATI, FABIO, IT
[72] LINNEY, IAN, IT
[73] CHIESI FARMACEUTICI S.P.A., IT
[85] 2015-06-03
[86] 2013-12-05 (PCT/EP2013/075661)
[87] (WO2014/086924)
[30] EP (12195891.2) 2012-12-06

[11] **2,893,768**
[13] C

[51] **Int.Cl. A61K 47/20 (2006.01) A61K 31/167 (2006.01) A61K 31/245 (2006.01) A61K 47/10 (2017.01) A61P 29/00 (2006.01)**
[25] EN
[54] **TOPICAL PREPARATION FOR PAIN RELIEF**
[54] **PREPARATION TOPIQUE POUR LE SOULAGEMENT DE LA DOULEUR**
[72] GREENSPAN, MICHAEL HARVEY, US
[73] GREENSPAN, MICHAEL HARVEY, US
[85] 2015-06-03
[86] 2013-12-06 (PCT/US2013/073464)
[87] (WO2014/089381)
[30] US (61/734,748) 2012-12-07
[30] US (61/765,115) 2013-02-15

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[11] **2,895,526**
[13] C

[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/136 (2006.01) A61K 31/4965 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **RADIOSENSITIZER COMPOUNDS FOR USE IN COMBINATION WITH RADIATION**
[54] **COMPOSES RADIOSENSIBILISATEURS DESTINES A ETRE UTILISES EN ASSOCIATION AVEC DES RAYONNEMENTS**
[72] LU, QING-BIN, CA
[73] LU, QING-BIN, CA
[85] 2015-06-18
[86] 2013-12-20 (PCT/CA2013/051005)
[87] (WO2014/094178)
[30] US (61/797,983) 2012-12-20

[11] **2,895,876**
[13] C

[51] **Int.Cl. C04B 28/14 (2006.01)**
[25] EN
[54] **CALCIUM SULPHATE-BASED PRODUCTS**
[54] **PRODUITS A BASE DE SULFATE DE CALCIUM**
[72] FISHER, ROBIN, GB
[73] CERTAINTED GYPSUM, INC., US
[85] 2015-06-19
[86] 2013-12-19 (PCT/EP2013/077315)
[87] (WO2014/096152)
[30] GB (1223312.8) 2012-12-21

[11] **2,896,942**
[13] C

[51] **Int.Cl. B41M 5/00 (2006.01)**
[25] EN
[54] **DIGITAL BINDER AND POWDER PRINT**
[54] **IMPRESSION NUMERIQUE A POUVRE ET LIANT**
[72] PERVAN, DARKO, SE
[72] PERVAN, TONY, SE
[73] CERALOC INNOVATION AB, SE
[85] 2015-06-30
[86] 2014-01-10 (PCT/SE2014/050019)
[87] (WO2014/109699)
[30] SE (1350021-0) 2013-01-11
[30] US (61/751,418) 2013-01-11

[11] **2,896,954**
[13] C

[51] **Int.Cl. A61F 11/14 (2006.01) A61F 11/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CORRECTING AURICULAR DEFORMITIES**
[54] **PROCEDE ET APPAREIL POUR CORRIGER LES DIFFORMITES AURICULAIRES**
[72] BARTLETT, SCOTT P., US
[73] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2015-06-30
[86] 2014-01-02 (PCT/US2014/010102)
[87] (WO2014/107532)
[30] US (61/748,240) 2013-01-02

[11] **2,898,209**
[13] C

[51] **Int.Cl. G01R 31/52 (2020.01) G01V 3/02 (2006.01) H02H 3/28 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR GROUND-FAULT CIRCUIT INTERRUPTER FOR USE IN GROUND-RETURN CIRCUIT**
[54] **APPAREIL ET METHODE DESTINES A UN DISJONCTEUR DE FUITE A LA TERRE POUR UN CIRCUIT DE RETOUR PAR LA TERRE**
[72] POLZER, BENJAMIN DAVID, CA
[73] VALE S.A., BR
[86] (2898209)
[87] (2898209)
[22] 2015-07-23
[30] US (14/800,403) 2015-07-15

[11] **2,900,742**
[13] C

[51] **Int.Cl. C09D 167/00 (2006.01)**
[25] EN
[54] **DRIER FOR ALKYD-BASED COATING**
[54] **SICCATIF POUR REVETEMENT A BASE D'ALKYDE**
[72] DE BOER, JOHANNES WIETSE, NL
[72] HAGE, RONALD, NL
[72] MAAIJEN, KARIN, NL
[73] CHEMSENTI LIMITED, GB
[85] 2015-08-10
[86] 2014-01-31 (PCT/GB2014/050271)
[87] (WO2014/122433)
[30] EP (13154850.5) 2013-02-11

[11] **2,900,893**
[13] C

[51] **Int.Cl. C09D 167/00 (2006.01)**
[25] EN
[54] **OXIDATIVELY CURABLE COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT DURCISSABLE OXYDATIVEMENT**
[72] HAGE, RONALD, NL
[72] DE BOER, JOHANNES WIETSE, NL
[72] MAAIJEN, KARIN, NL
[73] CATEXEL LIMITED, GB
[85] 2015-08-11
[86] 2014-01-31 (PCT/GB2014/050272)
[87] (WO2014/122434)
[30] EP (13154851.3) 2013-02-11

[11] **2,901,005**
[13] C

[51] **Int.Cl. A61M 5/14 (2006.01) A61B 17/34 (2006.01) A61M 5/158 (2006.01)**
[25] EN
[54] **SINGLE STEP REMOVAL OF CANNULA GUARD AND ADHESIVE LINER IN MEDICAL DEVICE**
[54] **RETRAIT EN UNE SEULE ETAPE D'UNE PROTECTION DE CANULE ET D'UNE DOUBLURE D'ADHESIF DANS UN DISPOSITIF MEDICAL**
[72] NIE, WEIYAN, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2015-08-11
[86] 2014-02-27 (PCT/US2014/018942)
[87] (WO2014/137731)
[30] US (13/784,721) 2013-03-04

[11] **2,901,104**
[13] C

[51] **Int.Cl. E04D 13/14 (2006.01) E04D 13/147 (2006.01)**
[25] EN
[54] **SEAL FOR A PIPE PENETRATION IN A ROOF UNDERLAY**
[54] **JOINT POUR UNE ENTREE DE TUYAU DANS UNE SOUS-TOITURE**
[72] SAIKKONEN, EERO, FI
[72] PUIKKONEN, PASI, FI
[73] VILPE OY, FI
[85] 2015-08-12
[86] 2014-02-12 (PCT/FI2014/050107)
[87] (WO2014/125169)
[30] FI (20135132) 2013-02-13
[30] FI (20136052) 2013-10-28

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[11] **2,901,264**
[13] C

[51] **Int.Cl. F16K 5/08 (2006.01) F16K 5/02 (2006.01) F16K 31/44 (2006.01)**

[25] EN
[54] **BALL TAP**
[54] **ROBINET D'ARRET**
[72] OCHIAI, MASARU, JP
[72] MATSUURA, NOBUYUKI, JP
[73] KANE KOUGYOU CO., LTD., JP
[86] (2901264)
[87] (2901264)
[22] 2015-08-21
[30] JP (2014-188602) 2014-09-17

[11] **2,901,417**
[13] C

[51] **Int.Cl. C08G 18/10 (2006.01) C08G 18/28 (2006.01) C08J 9/06 (2006.01) C08K 5/02 (2006.01) C08L 75/04 (2006.01)**

[25] EN
[54] **POLYURETHANE FOAM PREMIXES CONTAINING HALOGENATED OLEFIN BLOWING AGENTS AND FOAMS MADE FROM SAME**

[54] **MELANGES DE MOUSSES DE POLYURETHANE CONTENANT DES AGENTS GONFLANTS OLEFINIQUES HALOGENES ET MOUSSES OBTENUES A PARTIR DE CEUX-CI**

[72] YU, BIN, US
[72] BOGDAN, MARY C., US
[72] GITTERE, CLIFFORD B., US
[72] ROSS, MICHAEL, US
[72] GROSSMAN, RONALD S., US
[72] WILLIAMS, DAVID J., US
[73] HONEYWELL INTERNATIONAL INC., US
[85] 2015-08-14
[86] 2014-02-26 (PCT/US2014/018473)
[87] (WO2014/134087)
[30] US (61/769,494) 2013-02-26
[30] US (14/189,134) 2014-02-25

[11] **2,901,474**
[13] C

[51] **Int.Cl. A01N 43/40 (2006.01) A01N 25/28 (2006.01) A01P 13/00 (2006.01)**

[25] EN
[54] **CAPSULE SUSPENSION FORMULATIONS OF DITHIOPYR HERBICIDE**

[54] **PREPARATIONS DE SUSPENSIONS EN CAPSULES DE L'HERBICIDE DITHIOPYR**

[72] BREUNINGER, JAMES M., US
[72] CASSELL, RONALD L., US
[72] GIFFORD, JAMES M., US
[72] LOUGHNER, DANIEL L., US
[72] MELICHAR, MICHAEL W., US
[72] OUSE, DAVID G., US
[72] SMITH, MICHELLE S., US
[72] TOLLEY, MIKE P., US
[72] WILSON, STEPHEN L., US
[72] WUJEK, DENNIS G., US
[73] DOW AGROSCIENCES LLC, US
[85] 2015-08-13
[86] 2014-03-10 (PCT/US2014/022732)
[87] (WO2014/159258)
[30] US (61/785,066) 2013-03-14

[11] **2,901,917**
[13] C

[51] **Int.Cl. G02B 6/00 (2006.01) F21V 8/00 (2006.01) G02B 17/00 (2006.01) G02F 1/1335 (2006.01) G02F 1/13357 (2006.01)**

[25] EN
[54] **DIRECTIONAL BACKLIGHT**

[54] **RETROECLAIRAGE DIRECTIONNEL**

[72] ROBINSON, MICHAEL G., US
[72] WOODGATE, GRAHAM J., US
[73] REALD SPARK, LLC, US
[85] 2015-08-19
[86] 2014-02-21 (PCT/US2014/017779)
[87] (WO2014/130860)
[30] US (61/768,371) 2013-02-22
[30] US (61/791,112) 2013-03-15
[30] US (61/890,456) 2013-10-14

[11] **2,903,117**
[13] C

[51] **Int.Cl. B01J 23/63 (2006.01) B01D 53/94 (2006.01) B01J 35/00 (2006.01) B01J 37/02 (2006.01)**

[25] EN
[54] **NOX STORAGE CATALYST WITH IMPROVED HYDROTHERMAL STABILITY AND NOX CONVERSION**

[54] **CATALYSEUR DE STOCKAGE DE NOX PRESENTANT UNE STABILITE HYDROTHERMIQUE AMELIOREE ET UN TAUX DE CONVERSION DES NOX AMELIORE**

[72] XUE, WEN-MEI, US
[72] WEI, XINYI, US
[72] HILGENDORFF, MARCUS, DE
[72] BURK, PATRICK, US
[73] BASF CORPORATION, US
[85] 2015-08-28
[86] 2014-03-11 (PCT/US2014/023683)
[87] (WO2014/164876)
[30] US (61/778,871) 2013-03-13
[30] US (14/204,386) 2014-03-11

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[11] **2,903,552**
[13] C

[51] **Int.Cl. A61G 5/10 (2006.01) A47C 1/024 (2006.01) A47C 1/032 (2006.01) A61G 5/00 (2006.01) A61G 5/14 (2006.01)**

[25] EN
[54] **MEDICAL SUPPORT APPARATUS**
[54] **APPAREIL DE SUPPORT MEDICAL**

[72] HOUGH, CHRISTOPHER S., US
[72] ZERBEL, JOHN P., US
[72] DERENNE, RICHARD A., US
[72] GUNDERSON, BJORN JAMES, US
[72] GENTILE, CHRISTOPHER, US
[72] WHEELER, JERRY ALLEN, US
[72] UPCHURCH, JOSEPH ADAM, US
[72] SWEENEY, CHRISTOPHER RYAN, US
[72] MIX, JOSHUA ELMER, US
[72] SHUKLA, DIPIKA RAVINDRA, US
[72] FURMAN, AARON DOUGLAS, US
[72] HERBST, CORY PATRICK, US
[72] OSTERGAARD, COLLIN IAN, US
[72] DENNA, JILL CHRISTINE, US
[72] GRISDALE, MARIANNE BARBARA, US
[72] MURAUYOU, SIARHEI, US
[72] HERRMANN, SCOTT, US
[72] BROSNAN, DANIEL VINCENT, US
[72] STEWART, NATHAN M., US
[72] HADLEY, SEAN, US
[72] CUTLER, MATTHEW A., US
[72] SHIERY, JEFFREY C., US
[73] STRYKER CORPORATION, US
[85] 2015-09-01
[86] 2014-03-14 (PCT/US2014/027465)
[87] (WO2014/152550)
[30] US (61/791,255) 2013-03-15

[11] **2,903,830**
[13] C

[51] **Int.Cl. G06F 3/048 (2013.01)**

[25] EN
[54] **SYSTEM AND METHOD FOR CUBIC GRAPHICAL USER INTERFACES**
[54] **SYSTEME ET PROCEDE POUR INTERFACES UTILISATEUR GRAPHIQUES CUBIQUES**

[72] CHRISTMAS, COY, US
[72] MALPASS, LUKE, GB
[72] LUTZ, PARNELL, US
[73] FASETTO, INC., US
[85] 2015-09-02
[86] 2014-03-05 (PCT/US2014/020624)
[87] (WO2014/138187)
[30] US (61/773,003) 2013-03-05

[11] **2,904,415**
[13] C

[51] **Int.Cl. A61F 2/00 (2006.01)**

[25] EN
[54] **SURGICAL IMPLANT**
[54] **IMPLANT CHIRURGICAL**

[72] PRIEWE, JORG, DE
[72] HARMS, VOLKER, DE
[73] JOHNSON & JOHNSON MEDICAL GMBH, DE
[85] 2015-09-08
[86] 2014-02-21 (PCT/EP2014/000468)
[87] (WO2014/139635)
[30] DE (10 2013 004 574.6) 2013-03-11

[11] **2,904,603**
[13] C

[51] **Int.Cl. A61N 5/10 (2006.01) G01R 33/387 (2006.01) G01R 33/48 (2006.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR RADIOTHERAPY WITH MAGNETIC RESONANCE IMAGING**
[54] **SYSTEMES ET PROCEDES POUR RADIOTHERAPIE AVEC IMAGERIE PAR RESONANCE MAGNETIQUE**

[72] SHVARTSMAN, SHMARYU M., US
[72] DEMPSEY, JAMES F., US
[72] NIKOLY, DAVID, US
[73] VIEWRAY TECHNOLOGIES, INC., US
[85] 2015-09-08
[86] 2014-03-11 (PCT/US2014/023556)
[87] (WO2014/164821)
[30] US (13/801,680) 2013-03-13

[11] **2,905,260**
[13] C

[51] **Int.Cl. C25B 1/04 (2021.01) C07C 1/04 (2006.01) C07C 1/12 (2006.01) C25B 9/00 (2021.01) C25B 15/00 (2006.01)**

[25] EN
[54] **HIGH EFFICIENCY FUEL CELL**
[54] **PILE A COMBUSTIBLE A HAUTE EFFICACITE**

[72] SCHULZ, DETLEF, DE
[73] HELMUT-SCHMIDT-UNIVERSITAT-UNIVERSITAT DER BUNDESWEHR HAMBURG, DE
[73] HAMBURG INNOVATION GMBH, DE
[85] 2015-09-10
[86] 2014-03-25 (PCT/EP2014/055909)
[87] (WO2014/154658)
[30] EP (13160858.0) 2013-03-25

[11] **2,905,341**
[13] C

[51] **Int.Cl. C12N 15/63 (2006.01) C12N 1/21 (2006.01) C12N 7/01 (2006.01) C12N 15/09 (2006.01) C12N 15/87 (2006.01)**

[25] EN
[54] **NON-REPLICATIVE TRANSDUCTION PARTICLES AND TRANSDUCTION PARTICLE-BASED REPORTER SYSTEMS**
[54] **PARTICULES DE TRANSDUCTION NON REPLICATIVE ET SYSTEMES RAPORTEURS A BASE DE PARTICULES DE TRANSDUCTION**

[72] REY, DIEGO ARIEL, US
[72] DEFOREST, NIKOL, US
[72] COX, HEATHER, US
[72] SHUKLA, SONI, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2015-09-10
[86] 2014-03-13 (PCT/US2014/026536)
[87] (WO2014/160418)
[30] US (61/779,177) 2013-03-13
[30] US (61/897,040) 2013-10-29
[30] US (61/939,126) 2014-02-12

[11] **2,905,503**
[13] C

[51] **Int.Cl. H04N 7/20 (2006.01)**

[25] EN
[54] **HIGH RESOLUTION ENCODING AND TRANSMISSION OF TRAFFIC INFORMATION**
[54] **CODAGE A HAUTE RESOLUTION ET TRANSMISSION D'INFORMATIONS DE TRAFIC**

[72] FRENCH, LESLIE JOHN, US
[72] DOMBROWSKI, JOHN EDWARD, US
[73] SIRIUS XM RADIO INC., US
[85] 2015-09-10
[86] 2014-03-14 (PCT/US2014/029221)
[87] (WO2014/153130)
[30] US (61/785,663) 2013-03-14

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[11] **2,905,616**
[13] C

[51] **Int.Cl. G01S 17/89 (2020.01) B23K 26/03 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CHARACTERIZING LASER MACHINING PROPERTIES BY MEASURING KEYHOLE DYNAMICS USING INTERFEROMETRY**
[54] **PROCEDES ET SYSTEMES DE CARACTERISATION DE PROPRIETES D'USINAGE LASER PAR MESURE DE DYNAMIQUES DE TROU DE SERRURE UTILISANT UNE INTERFEROMETRIE**
[72] WEBSTER, PAUL J. L., CA
[73] IPG PHOTONICS CORPORATION, US
[85] 2015-09-11
[86] 2014-03-13 (PCT/CA2014/000273)
[87] (WO2014/138939)
[30] US (61/778,592) 2013-03-13

[11] **2,905,732**
[13] C

[51] **Int.Cl. H01H 83/04 (2006.01)**
[25] EN
[54] **GFCI TEST MONITOR CIRCUIT**
[54] **CIRCUIT DE SURVEILLANCE DE TESTS GFCI**
[72] SIMONIN, STEPHEN, US
[73] HUBBELL INCORPORATED, US
[85] 2015-09-11
[86] 2014-02-28 (PCT/US2014/019498)
[87] (WO2014/158715)
[30] US (13/827,785) 2013-03-14

[11] **2,906,107**
[13] C

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 31/55 (2006.01)**
[25] EN
[54] **RAPIDLY DISPERSIBLE DOSAGE FORM OF OXCARBAZEPINE**
[54] **FORME POSOLOGIQUE D'OXCARBAZEPINE A DISPERSION RAPIDE**
[72] JACOB, JULES, US
[72] CAPUTO, KELLY, US
[72] GUILLOT, MICAEL, US
[72] SULTZBAUGH, KENNETH J., US
[72] WEST, THOMAS G., US
[73] APRECIA PHARMACEUTICALS LLC, US
[85] 2015-09-11
[86] 2014-03-14 (PCT/US2014/028125)
[87] (WO2014/143935)
[30] US (61/791,726) 2013-03-15

[11] **2,906,199**
[13] C

[51] **Int.Cl. H04N 21/8352 (2011.01) H04N 21/845 (2011.01) G06F 16/40 (2019.01) G06F 16/70 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ADDRESSING A MEDIA DATABASE USING DISTANCE ASSOCIATIVE HASHING**
[54] **SYSTEMES ET PROCEDES POUR INTERROGER UNE BASE DE DONNEES MULTIMEDIA A L'AIDE D'UN HACHAGE ASSOCIATIF A DISTANCE**
[72] NEUMEIER, ZEEV, US
[72] REED, BRIAN, US
[73] INSCAPE DATA, INC., US
[85] 2015-09-11
[86] 2014-03-17 (PCT/US2014/030782)
[87] (WO2014/145929)
[30] US (61/791,578) 2013-03-15
[30] US (14/089,003) 2013-11-25
[30] US (14/217,075) 2014-03-17
[30] US (14/217,094) 2014-03-17
[30] US (14/217,375) 2014-03-17
[30] US (14/217,425) 2014-03-17
[30] US (14/217,435) 2014-03-17
[30] US (PCT/US2014/30795) 2014-03-17
[30] US (PCT/US2014/30805) 2014-03-17

[11] **2,906,327**
[13] C

[51] **Int.Cl. A47K 10/34 (2006.01)**
[25] EN
[54] **ELECTRONIC RESIDENTIAL TISSUE DISPENSER**
[54] **DISTRIBUTEUR DE PAPIER RESIDENTIEL ELECTRONIQUE**
[72] OSBORNE, CHARLES AGNEW JR., US
[73] VALVE SOLUTIONS, INC., US
[85] 2015-09-14
[86] 2014-02-27 (PCT/US2014/019061)
[87] (WO2014/149501)
[30] US (13/842,343) 2013-03-15

[11] **2,906,329**
[13] C

[51] **Int.Cl. F16K 47/08 (2006.01)**
[25] EN
[54] **STACKED DISK NOISE ABATEMENT DEVICE AND CONTROL VALVE COMPRISING SAME**
[54] **DISPOSITIF DE REDUCTION DU BRUIT DE DISQUES EMPILEES ET SOUPEPE DE COMMANDE COMPRENANT CELUI-CI**
[72] MCCARTY, MICHAEL WILDIE, US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2015-09-14
[86] 2014-03-11 (PCT/US2014/022956)
[87] (WO2014/150325)
[30] US (13/836,031) 2013-03-15

[11] **2,907,039**
[13] C

[51] **Int.Cl. H01M 8/16 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING AN ELECTROACTIVE BIOFILM**
[54] **PROCEDE DE FABRICATION DE BIOFILM ELECTROACTIF**
[72] SOLINA, BRENT A., US
[73] MICRORGANIC TECHNOLOGIES, INC., US
[85] 2015-09-15
[86] 2014-03-11 (PCT/US2014/023185)
[87] (WO2014/150415)
[30] US (61/787,113) 2013-03-15

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[11] **2,907,437**
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01) H04N 21/441 (2011.01) H04N 21/45 (2011.01) H04N 21/4722 (2011.01)**

[25] EN

[54] **CLAIMING INCENTIVES ON NETWORKED TELEVISIONS**

[54] **RECLAMATION DE PRIMES SUR DES TELEVISEURS EN RESEAU**

[72] WENGER, MARK, US

[72] JAMKHEDKAR, PRASHANT, US

[73] PAYPAL, INC., US

[85] 2015-09-16

[86] 2014-03-27 (PCT/US2014/032085)

[87] (WO2014/160897)

[30] US (61/805,894) 2013-03-27

[30] US (14/227,920) 2014-03-27

[11] **2,907,523**
[13] C

[51] **Int.Cl. B29C 45/76 (2006.01) G06T 7/90 (2017.01) G01N 21/90 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR CHECKING THE COLOR QUALITY OF UNORDERED PREFORMS**

[54] **PROCEDE ET SYSTEME POUR VERIFIER LA QUALITE DE COULEUR DE PREFORMES NON ORDONNEES**

[72] HERMLE, MATTHIAS, CH

[72] MAIBACH, FRIDOLIN, CH

[72] SCHLUP, BEAT, CH

[73] FINATEC HOLDING AG, CH

[85] 2015-09-17

[86] 2014-03-20 (PCT/EP2014/055599)

[87] (WO2014/147176)

[30] CH (00650/13) 2013-03-22

[30] CH (02046/13) 2013-12-10

[11] **2,908,330**
[13] C

[51] **Int.Cl. A01D 57/30 (2006.01) A01D 34/66 (2006.01) A01D 34/71 (2006.01)**

[25] EN

[54] **MOWER AND SWATHING UNIT**

[54] **FAUCHEUSE ET UNITE D'ANDAINAGE**

[72] JESPERSEN, PETER, DK

[73] KVERNELAND GROUP KERTEMINDE A/S, DK

[85] 2015-09-29

[86] 2014-04-03 (PCT/EP2014/056667)

[87] (WO2014/166802)

[30] EP (13163432.1) 2013-04-11

[11] **2,908,547**
[13] C

[51] **Int.Cl. G06F 21/31 (2013.01) A63F 13/80 (2014.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PROVIDING SECURITY VIA INTERACTIVE MEDIA**

[54] **SYSTEMES ET PROCEDES PERMETTANT DE GARANTIR LA SECURITE PAR LE BIAIS DE SUPPORTS INTERACTIFS**

[72] NATARAJAN, SHREEDHAR, US

[72] MOORTHY, JAISREE, US

[73] GANALILA, LLC, US

[85] 2015-09-11

[86] 2014-03-11 (PCT/US2014/023122)

[87] (WO2014/164653)

[30] US (61/778,132) 2013-03-12

[11] **2,908,631**
[13] C

[51] **Int.Cl. A61B 8/00 (2006.01) G01S 15/89 (2006.01)**

[25] EN

[54] **PORTABLE ELECTRONIC DEVICES WITH INTEGRATED IMAGING CAPABILITIES**

[54] **DISPOSITIFS ELECTRONIQUES PORTATIFS DOTES DE CAPACITES D'IMAGERIE INTEGRES**

[72] ROTHBERG, NOAH ZACHARY, US

[73] BUTTERFLY NETWORK, INC., US

[85] 2015-10-02

[86] 2014-04-03 (PCT/US2014/032803)

[87] (WO2014/165662)

[30] US (13/856,252) 2013-04-03

[11] **2,908,689**
[13] C

[51] **Int.Cl. G03B 35/08 (2021.01) G06T 7/521 (2017.01) G06T 7/593 (2017.01) H04N 13/204 (2018.01) H04N 13/257 (2018.01) H04N 13/271 (2018.01) G06T 7/00 (2017.01)**

[25] EN

[54] **MIXING INFRARED AND COLOR COMPONENT DATA POINT CLOUDS**

[54] **MELANGE DE NUAGES DE POINTS DE DONNEES DE COMPOSANTES INFRAROUGE ET DE COULEUR**

[72] SWEENEY, PATRICK JOHN, US

[72] HARNETT, DAVID F., US

[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2015-10-02

[86] 2014-04-14 (PCT/US2014/033918)

[87] (WO2014/172230)

[30] US (61/812,233) 2013-04-15

[30] US (13/913,454) 2013-06-09

[11] **2,908,892**
[13] C

[51] **Int.Cl. H01J 37/34 (2006.01) C23C 14/34 (2006.01)**

[25] EN

[54] **SPUTTERING TARGET HAVING INCREASED POWER COMPATIBILITY**

[54] **CIBLE DE PULVERISATION CATHODIQUE A COMPATIBILITE DE PUISSANCE ACCRUE**

[72] KRASSNITZER, SIEGFRIED, AT

[72] HAGMANN, JUERG, CH

[72] KERSCHBAUMER, JOERG, AT

[73] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON, CH

[85] 2015-10-07

[86] 2014-04-07 (PCT/EP2014/000927)

[87] (WO2014/166620)

[30] US (61/809,524) 2013-04-08

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[11] **2,908,938**

[13] C

- [51] **Int.Cl. B05B 1/08 (2006.01)**
[25] EN
[54] **METHOD AND FLUIDIC APPARATUS FOR GENERATING PULSED AND OSCILLATING AIR FLOW FOR SURFACE CLEANING AND SWEEPING**
[54] **PROCEDE ET APPAREIL FLUIDIQUE POUR LA GENERATION D'UN ECOULEMENT D'AIR IMPULSIONNEL ET OSCILLANT POUR LE NETTOYAGE ET LE BALAYAGE D'UNE SURFACE**
[72] GOPALAN, SHRIDHAR, US
[72] SRINATH, DHARAPURAM N., US
[72] SOUTH, CHRISTOPHER, US
[73] BOWLES FLUIDICS CORPORATION, US
[85] 2015-10-05
[86] 2014-04-03 (PCT/US2014/032849)
[87] (WO2014/165687)
[30] US (61/807,958) 2013-04-03

[11] **2,910,474**

[13] C

- [51] **Int.Cl. A61M 60/135 (2021.01) A61M 60/148 (2021.01) A61M 60/205 (2021.01) A61F 2/04 (2013.01) A61F 2/24 (2006.01)**
[25] EN
[54] **CATHETER-BASED HEART SUPPORT SYSTEM AND METHOD OF IMPLANTING THEREOF**
[54] **SYSTEME DE SUPPORT DE COEUR BASE SUR UN CATHETER ET SON PROCEDE D'IMPLANTATION**
[72] SIEGENTHALER, MICHAEL, US
[73] SIEGENTHALER, MICHAEL, US
[85] 2015-10-27
[86] 2014-04-30 (PCT/US2014/036018)
[87] (WO2014/179391)
[30] DE (102013208038.7) 2013-05-02

[11] **2,911,047**

[13] C

- [51] **Int.Cl. E21B 19/16 (2006.01)**
[25] EN
[54] **FLOOR WRENCH FOR A DRILLING RIG**
[54] **CLE DE FOND POUR APPAREIL DE FORAGE**
[72] SCEKIC, VLADIMIR, CA
[72] MCCORRISTON, TODD, CA
[72] MCDOUGALL, PATRICK, CA
[73] DRILLFORM TECHNICAL SERVICES LTD., CA
[85] 2015-10-30
[86] 2014-05-05 (PCT/CA2014/000401)
[87] (WO2014/179862)
[30] US (61/819,981) 2013-05-06

[11] **2,911,050**

[13] C

- [51] **Int.Cl. G01K 7/22 (2006.01) G01K 7/34 (2006.01) G01K 7/36 (2006.01)**
[25] EN
[54] **SYSTEM FOR MONITORING TEMPERATURE OF ELECTRICAL CONDUCTOR**
[54] **SYSTEME DE SURVEILLANCE DE LA TEMPERATURE D'UN CONDUCTEUR ELECTRIQUE**
[72] HUANG, ZHENG, CN
[72] WEN, ZHIGUO, CN
[72] YUAN, SIHUA, CN
[72] JOHNSON, JUSTIN MARK, US
[72] JESME, RONALD DAVID, US
[72] BONIFAS, ANDREW PAUL, US
[72] JOYCE, TERRENCE HAROLD, US
[72] CHATTERTON, JACOB DALE, US
[72] WANG, YINGYU, CN
[72] YU, XUETAO, CN
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2015-10-30
[86] 2013-05-03 (PCT/CN2013/075135)
[87] (WO2014/176784)

[11] **2,911,440**

[13] C

- [51] **Int.Cl. H01M 4/58 (2010.01) H01M 4/36 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING POLYANIONIC POSITIVE ELECTRODE ACTIVE MATERIAL COMPOSITE PARTICLES, AND POLYANIONIC POSITIVE ELECTRODE ACTIVE MATERIAL PRECURSOR-GRAPHITE OXIDE COMPOSITE GRANULATED BODIES**
[54] **PROCEDE DE PRODUCTION DE PARTICULES DE COMPOSITE DE MATERIAU ACTIF D'ELECTRODE POSITIVE POLYANIONIQUE ET CORPS GRANULES DE COMPOSITE D'OXYDE DE GRAPHITE/PRECURSEUR DE MATERIAU ACTIF D'ELECTRODE POSITIVE POLYANIONIQUE**
[72] TAMAKI, EIICHIRO, JP
[72] KUBOTA, YASUO, JP
[72] KAWAMURA, HIROAKI, JP
[72] MATSUSHITA, MIYUKI, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2015-11-04
[86] 2014-05-19 (PCT/JP2014/063194)
[87] (WO2014/188996)
[30] JP (2013-108543) 2013-05-23

[11] **2,911,550**

[13] C

- [51] **Int.Cl. F16L 33/23 (2006.01) F16L 35/00 (2006.01)**
[25] EN
[54] **BUSHINGS, SEALING DEVICES, TUBING, AND METHODS OF INSTALLING TUBING**
[54] **REDUCTIONS MALE-FEMELLE, DISPOSITIFS D'ETANCHEITE, TUYAUX ET PROCEDES D'INSTALLATION DE TUYAUX**
[72] STRUNK, JORDAN, US
[73] TITFLEX CORPORATION, US
[85] 2015-11-05
[86] 2014-04-25 (PCT/US2014/035452)
[87] (WO2014/182468)
[30] US (61/821,644) 2013-05-09

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[11] **2,911,690**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **4-AMINO-6-PHENYL-5,6-DIHYDROIMIDAZO[1,5-A]PYRAZINE DERIVATIVES AS INHIBITORS OF BETA-SECRETASE (BACE)**

[54] **DERIVES DE 4-AMINO-6-PHENYL-5,6-DIHYDRO-IMIDAZO[1,5-A]PYRAZINE UTILISES COMME INHIBITEURS DE LA BETA-SECRETASE (BACE)**

[72] OEHLRICH, DANIEL, BE

[72] GIJSEN, HENRICUS JACOBUS MARIA, BE

[72] SURKYN, MICHEL, BE

[73] JANSSEN PHARMACEUTICA NV, BE

[85] 2015-11-06

[86] 2014-06-12 (PCT/EP2014/062285)

[87] (WO2014/198853)

[30] EP (13171730.8) 2013-06-12

[11] **2,911,693**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **4-AMINO-6-PHENYL-6,7-DIHYDRO[1,2,3]TRIAZOLO[1,5-A]PYRAZINE DERIVATIVES AS INHIBITORS OF BETA-SECRETASE (BACE)**

[54] **DERIVES DE 4-AMINO-6-PHENYL-6,7-DIHYDRO[1,2,3]TRIAZOLO[1,5-A]PYRAZINE UTILISES COMME INHIBITEURS DE LA BETA-SECRETASE (BACE)**

[72] OEHLRICH, DANIEL, BE

[72] GIJSEN, HENRICUS JACOBUS MARIA, BE

[73] JANSSEN PHARMACEUTICA NV, BE

[85] 2015-11-06

[86] 2014-06-12 (PCT/EP2014/062286)

[87] (WO2014/198854)

[30] EP (13171720.9) 2013-06-12

[11] **2,911,971**
[13] C

[51] **Int.Cl. A01N 43/40 (2006.01)**

[25] EN

[54] **CLOPYRALID AQUEOUS CONCENTRATE COMPOSITION**

[54] **COMPOSITION AQUEUSE DE CONCENTRE DE CLOPYRALIDE**

[72] PENTLAND, PHILIP EDWARD, AU

[72] BRATVANNOVA, MIROSLAVA OGNANOVA, AU

[73] EUREKA! AGRESEARCH PTY LTD, AU

[85] 2015-11-09

[86] 2014-05-26 (PCT/AU2014/000552)

[87] (WO2014/190376)

[30] AU (2013901885) 2013-05-27

[11] **2,912,500**
[13] C

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 39/00 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/47 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01)**

[25] EN

[54] **NOVEL IMMUNOTHERAPEUTIC PEPTIDE DERIVED FROM A HLA CLASS 1 MOLECULE AGAINST CANCER**

[54] **NOUVEAU PEPTIDE IMMUNOTHERAPEUTIQUE DERIVE D'UNE MOLECULE HLA (ANTIGENE LEUCOCYTAIRE HUMAIN) DE CLASSE I CONTRE LE CANCER**

[72] WEINSCHENK, TONI, DE

[72] WALTER, STEFFEN, DE

[72] FRITSCHÉ, JENS, DE

[72] SONG, COLETTE, DE

[72] SINGH, HARPREET, DE

[73] IMMATICS BIOTECHNOLOGIES GMBH, DE

[85] 2015-11-13

[86] 2014-08-04 (PCT/EP2014/066755)

[87] (WO2015/018805)

[30] GB (1313987.8) 2013-08-05

[30] US (61/862,213) 2013-08-05

[30] GB (1403297.3) 2014-02-25

[11] **2,912,570**
[13] C

[51] **Int.Cl. B01D 63/10 (2006.01)**

[25] EN

[54] **SPIRAL WOUND CROSSFLOW FILTER WITH BLOCKED PERMEATE TUBE**

[54] **FILTRE A ECOULEMENT TRANSVERSAL HELICOIDAL AVEC TUBE PERMEABLE FERME**

[72] YAEGER, SCOTT P., US

[73] YAEGER, SCOTT P., US

[85] 2015-11-16

[86] 2014-05-16 (PCT/US2014/038370)

[87] (WO2014/186694)

[30] US (13/896,370) 2013-05-17

[11] **2,912,579**
[13] C

[51] **Int.Cl. C12P 5/02 (2006.01) B09B 3/00 (2006.01) C02F 11/04 (2006.01)**

[25] EN

[54] **METHODS OF PROCESSING MUNICIPAL SOLID WASTE (MSW) USING MICROBIAL HYDROLYSIS AND FERMENTATION.**

[54] **PROCEDE DE TRAITEMENT DE DECHETS MENAGERS SOLIDES (MSW) UTILISANT UNE HYDROLYSE ET UNE FERMENTATION MICROBIENNES.**

[72] RONSCH, GEORG ORNSKOV, DK

[72] JENSEN, JACOB WAGNER, DK

[72] ANTONSEN, SEBASTIAN BUCH, DK

[73] RENESCIENCE A/S, DK

[85] 2015-11-16

[86] 2013-12-18 (PCT/DK2013/050443)

[87] (WO2014/198274)

[30] DK (PCT/DK2013/050193) 2013-06-12

[30] DK (PCT/DK2013/050194) 2013-06-12

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[11] **2,912,769**
[13] C

[51] **Int.Cl. E02B 3/06 (2006.01)**
[25] FR
[54] **HARBOUR STORAGE FACILITY FOR LIQUID FUEL**
[54] **INSTALLATION DE STOCKAGE PORTUAIRE DE COMBUSTIBLE LIQUIDE**
[72] BLANCHETIERE, GAEL, FR
[72] DOUMENJOU, JACKY, FR
[72] LAVENU, STEPHAN, FR
[72] LEGRAND, FREDERIC, FR
[72] MALVOS, HUGUES, FR
[72] PERRIN, MARC, FR
[72] SUBREVILLE, PATRICK, FR
[72] TASTARD, CHRISTOPHE, FR
[72] BRODIN, STEPHANIE, FR
[73] GDF SUEZ, FR
[85] 2015-11-17
[86] 2014-04-11 (PCT/FR2014/050894)
[87] (WO2014/188096)
[30] FR (1354655) 2013-05-23

[11] **2,913,328**
[13] C

[51] **Int.Cl. C08F 2/22 (2006.01) B82Y 5/00 (2011.01) A61K 9/51 (2006.01) A61K 51/12 (2006.01) C08F 222/32 (2006.01) C08F 283/06 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING STEALTH NANOPARTICLES**
[54] **PROCEDE DE PREPARATION DE NANOPARTICULES FURTIVES**
[72] SCHMID, RUTH, NO
[72] STENSTAD, PER, NO
[72] MORCH, YRR, NO
[72] JOHNSEN, HEIDI, NO
[73] SINTEF TTO AS, NO
[85] 2015-11-24
[86] 2014-05-28 (PCT/EP2014/061144)
[87] (WO2014/191502)
[30] EP (13169557.9) 2013-05-28

[11] **2,913,331**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/19 (2006.01) A61K 31/485 (2006.01) A61K 31/7004 (2006.01) A61K 45/06 (2006.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **STABLE ORAL SOLUTIONS FOR COMBINED API**
[54] **SOLUTIONS ORALES STABLES POUR UN PRINCIPE ACTIF COMBINE**
[72] COHEN, DANIEL, FR
[72] CHUMAKOV, ILYA, FR
[72] NABIROCHKIN, SERGUEI, FR
[72] BERTRAND, VIVIANE, FR
[73] PHARNEXT, FR
[85] 2015-11-24
[86] 2014-06-05 (PCT/EP2014/061664)
[87] (WO2014/195394)
[30] EP (13170583.2) 2013-06-05

[11] **2,913,478**
[13] C

[51] **Int.Cl. C12N 5/02 (2006.01) C12N 5/0775 (2010.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **TREHALOSE- AND DEXTRAN-CONTAINING SOLUTION FOR TRANSPLANTING MAMMALIAN CELLS**
[54] **SOLUTION CONTENANT UN TREHALOSE ET UN DEXTRANE POUR LA TRANSPLANTATION DE CELLULES DE MAMMIFERES**
[72] NISHIMURA, MASUHIRO, JP
[72] WADA, TAMAKI, JP
[72] SHIRAKAWA, CHIKAGE, JP
[72] DOI, MASAKO, JP
[73] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
[85] 2015-11-24
[86] 2014-06-18 (PCT/JP2014/003266)
[87] (WO2014/208053)
[30] JP (2013-137454) 2013-06-28

[11] **2,913,801**
[13] C

[51] **Int.Cl. H01F 7/02 (2006.01) G01R 33/28 (2006.01) G01R 33/3875 (2006.01)**
[25] EN
[54] **MAGNET ASSEMBLIES**
[54] **ENSEMBLES MAGNETIQUES**
[72] LESKOWITZ, GARETT M., CA
[73] NANALYSIS CORP., CA
[85] 2015-11-27
[86] 2014-06-02 (PCT/CA2014/000485)
[87] (WO2014/194408)
[30] US (61/830,467) 2013-06-03

[11] **2,914,687**
[13] C

[51] **Int.Cl. A01H 6/46 (2018.01) A23L 7/10 (2016.01) A23L 7/20 (2016.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A61K 36/8998 (2006.01) A61P 1/00 (2006.01) C12C 1/00 (2006.01) C12C 1/02 (2006.01) C12C 7/00 (2006.01) C12C 12/00 (2006.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **BARLEY WITH VERY LOW LEVELS OF HORDEINS**
[54] **ORGE AYANT DES NIVEAUX TRES BAS D'HORDEINS**
[72] TANNER, GREGORY JOHN, AU
[72] HOWITT, CRISPIN ALEXANDER, AU
[72] COLGRAVE, MICHELLE LISA, AU
[72] BLUNDELL, MALCOLM JAMES, AU
[73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[73] GRAINS RESEARCH AND DEVELOPMENT CORPORATION, AU
[85] 2015-12-08
[86] 2014-06-13 (PCT/AU2014/000619)
[87] (WO2014/197943)
[30] AU (2013902140) 2013-06-13
[30] AU (2013902565) 2013-07-11

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[11] **2,915,709**
[13] C

[51] **Int.Cl. B32B 37/02 (2006.01) B32B 37/10 (2006.01) B32B 3/12 (2006.01) B32B 5/02 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR MANUFACTURING A SANDWICH PART**

[54] **PROCEDE ET APPAREIL POUR FABRIQUER UNE PIECE SANDWICH**

[72] WOLFSBERGER, GUENTER, AT

[73] MAGNA STEYR
FAHRZEUGTECHNIK AG & CO KG,
AT

[86] (2915709)

[87] (2915709)

[22] 2015-12-22

[30] EP (EP14199862.5) 2014-12-22

[11] **2,915,732**
[13] C

[51] **Int.Cl. B29C 45/37 (2006.01) B22D 17/22 (2006.01) B23P 15/24 (2006.01) B29C 33/56 (2006.01) C23C 14/06 (2006.01) C23C 14/08 (2006.01) C23C 16/455 (2006.01)**

[25] EN

[54] **INJECTION MOLD WITH SURFACE COATING OF THE INNER SURFACE**

[54] **MOULE D'INJECTION DOTE D'UN REVETEMENT DE SURFACE SUR LA SURFACE INTERNE**

[72] ZOPPAS, MATTEO, IT

[72] SIGLER, LAURENT, FR

[72] ZANETTE, DINO ENRICO, IT

[73] S.I.P.A. SOCIETA'
INDUSTRIALIZZAZIONE
PROGETTAZIONE E
AUTOMAZIONE S.P.A., IT

[85] 2015-12-16

[86] 2014-06-26 (PCT/IB2014/062614)

[87] (WO2014/207685)

[30] IT (RM2013A000369) 2013-06-26

[11] **2,915,739**
[13] C

[51] **Int.Cl. H04N 21/4335 (2011.01) H04N 21/442 (2011.01)**

[25] EN

[54] **METHOD AND DEVICE FOR VISUALLY PRESENTING DATA PRELOADING**

[54] **METHODE ET APPAREIL SERVANT A PRESENTER VISUELLEMENT LE PRECHARGEMENT DE DONNEES**

[72] EKSTRAND, SIMON, SE

[72] LIU, ZHILIN, SE

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

[73] EKSTRAND, SIMON, SE

[85] 2015-12-18

[86] 2015-07-31 (PCT/CN2015/085687)

[87] (WO2016/115864)

[30] CN (20150037273.8) 2015-01-23

[11] **2,916,167**
[13] C

[51] **Int.Cl. F25B 39/02 (2006.01) F28D 9/00 (2006.01) F28F 3/00 (2006.01)**

[25] EN

[54] **REDUCTION OF SCALE BUILD-UP IN AN EVAPORATIVE COOLING APPARATUS**

[54] **REDUCTION D'ACCUMULATION DE TARTRE DANS UN APPAREIL DE REFROIDISSEMENT PAR EVAPORATION**

[72] SLAYZAK, STEVEN, US

[72] FINLEY, ROBERT, US

[72] GILLAN, LELAND, US

[72] MANLEY, BENJAMIN, US

[72] THOMPSON, DAVID, US

[72] ZUBE, DANIEL, US

[73] F.F. SEELEY NOMINEES PTY LTD.,
AU

[85] 2015-12-18

[86] 2014-06-19 (PCT/US2014/043164)

[87] (WO2014/205204)

[30] US (61/837,161) 2013-06-19

[11] **2,917,706**
[13] C

[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/142 (2006.01)**

[25] EN

[54] **PORTABLE INFUSION PUMP WITH A LAVET-TYPE MOTOR**

[54] **DISPOSITIF AYANT UN MOTEUR DU TYPE LAVET**

[72] HADVARY, PAUL, CH

[72] DINGER, RUDOLF, CH

[72] TSCHIRKY, HANSJORG, CH

[73] PHARMASENS AG, CH

[85] 2016-01-07

[86] 2014-08-26 (PCT/EP2014/068056)

[87] (WO2015/028458)

[30] EP (13181870.0) 2013-08-27

[11] **2,917,994**
[13] C

[51] **Int.Cl. A61K 8/63 (2006.01) A61K 8/37 (2006.01) A61Q 19/00 (2006.01)**

[25] FR

[54] **COSMETIC COMPOSITION COMPRISING A TERNARY LIPID ASSOCIATION FOR CONTROLLING DRYNESS OF THE SKIN**

[54] **COMPOSITION COSMETIQUE COMPRENANT UNE ASSOCIATION TERNAIRE LIPIDIQUE POUR LUTTER CONTRE LA SECHERESSE CUTANEE**

[72] DUPLAN, HELENE, FR

[72] REDOULES, DANIEL, FR

[72] DELALLEAU, ALEXANDRE, FR

[73] PIERRE FABRE DERMO-COSMETIQUE, FR

[73] UNIVERSITE PARIS-SUD 11, FR

[73] CENTRE HOSPITALIER
UNIVERSITAIRE DE TOULOUSE,
FR

[85] 2016-01-11

[86] 2014-07-11 (PCT/EP2014/064972)

[87] (WO2015/004279)

[30] FR (1356892) 2013-07-12

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[11] **2,918,209**
[13] C

[51] **Int.Cl. C08B 5/00 (2006.01)**
[25] EN
[54] **CELLULOSE SUBSTRATE WITH ANTI-FLAME PROPERTIES AND RELATIVE PRODUCTION METHOD**

[54] **SUBSTRAT EN CELLULOSE AVEC PROPRIETES ANTI-FLAMME ET PROCEDE PRODUCTION ASSOCIE**

[72] TONANI, ALBERTO, IT
[72] NOVELLO, ANDREA, IT
[72] SIRNA, CALOGERO, IT
[72] GIANNATEMPO, SIMONE, IT
[73] TORCITURA PADANA S.P.A., IT
[73] ZANOLO S.P.A., IT
[85] 2016-01-12
[86] 2014-08-04 (PCT/IB2014/063678)
[87] (WO2015/019272)
[30] IT (TO2013A000670) 2013-08-05

[11] **2,918,993**
[13] C

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4178 (2006.01) A61K 31/4523 (2006.01) A61P 25/00 (2006.01) A61P 37/00 (2006.01) C07D 235/24 (2006.01)**

[25] EN
[54] **IMIDAZOLECARBOXAMIDES AND THEIR USE AS FAAH INHIBITORS**

[54] **IMIDAZOLECARBOXAMIDES ET LEUR UTILISATION COMME INHIBITEURS DE FAAH**

[72] ROSA, CARLA PATRICIA DA COSTA PEREIRA, PT
[72] GUSMAO DE NORONHA, RITA, PT
[72] KISS, LASZLO ERNO, PT
[73] BIAL - PORTELA & CA, S.A., PT
[85] 2016-01-21
[86] 2014-07-24 (PCT/PT2014/000049)
[87] (WO2015/012708)
[30] GB (1313202.2) 2013-07-24
[30] GB (1313203.0) 2013-07-24
[30] GB (1313204.8) 2013-07-24

[11] **2,919,263**
[13] C

[51] **Int.Cl. C12P 7/40 (2006.01) C02F 11/04 (2006.01) C12M 1/00 (2006.01) C12M 1/107 (2006.01) C12M 1/36 (2006.01) C12P 1/00 (2006.01) C12P 3/00 (2006.01) C12P 5/02 (2006.01) C12P 7/02 (2006.01)**

[25] EN
[54] **METHOD AND SYSTEM FOR PRODUCTION OF HYDROGEN, METHANE, VOLATILE FATTY ACIDS, AND ALCOHOLS FROM ORGANIC MATERIAL**

[54] **PROCEDE ET SYSTEME DE PRODUCTION D'HYDROGENE, DE METHANE, D'ACIDES GRAS VOLATILS, ET D'ALCOOLS A PARTIR DE MATIERE ORGANIQUE**

[72] HAFEZ, HISHAM MOHAMED, CA
[73] GREENFIELD SPECIALTY ALCOHOLS INC., CA
[85] 2016-01-25
[86] 2014-07-25 (PCT/CA2014/000600)
[87] (WO2015/010192)
[30] US (61/858,708) 2013-07-26

[11] **2,919,982**
[13] C

[51] **Int.Cl. H01R 13/53 (2006.01) H01R 13/52 (2006.01) H02G 3/08 (2006.01)**

[25] EN
[54] **A COMPACT HIGH VOLTAGE CONNECTOR FOR USE IN EXPLOSIVE ENVIRONMENT**

[54] **CONNECTEUR HAUTE TENSION COMPACT POUR L'UTILISATION DANS UN ENVIRONNEMENT EXPLOSIF**

[72] REVOL, GERARD, FR
[72] DIXNEUF, GEORGES, FR
[72] MURRIS, ERIC, FR
[72] LALLOUETTE, TERRENCE, FR
[72] BOUTAHAR, SAMIR, FR
[73] SINGLE BUOY MOORINGS INC., CH
[85] 2016-01-29
[86] 2014-08-01 (PCT/EP2014/066593)
[87] (WO2015/014985)
[30] EP (13178953.9) 2013-08-01

[11] **2,920,284**
[13] C

[51] **Int.Cl. A61K 31/5585 (2006.01) A61K 9/70 (2006.01) A61K 47/04 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01)**

[25] EN
[54] **BERAPROST-CONTAINING PATCH**

[54] **TIMBRE TRANSDERMIQUE COMPRENANT DU BERAPROST**

[72] KAWAKAMI, SATOSHI, JP
[72] SOGABE, MANABU, JP
[72] SHIBATA, TAIKI, JP
[73] TEIKOKU SEIYAKU CO., LTD., JP
[85] 2016-02-02
[86] 2014-08-07 (PCT/JP2014/070899)
[87] (WO2015/020153)
[30] JP (2013-166302) 2013-08-09

[11] **2,920,455**
[13] C

[51] **Int.Cl. G01S 13/75 (2006.01) G01B 7/004 (2006.01) G06F 3/00 (2006.01)**

[25] FR
[54] **DEVICE FOR LOCATING ONE OR MORE MOBILE ELEMENTS IN A PREDETERMINED AREA, AND METHOD IMPLEMENTED IN SUCH A DEVICE**

[54] **DISPOSITIF DE LOCALISATION D'UN OU PLUSIEURS ELEMENTS MOBILES DANS UNE ZONE PREDETERMINEE, ET PROCEDE MIS EN OEUVRE DANS UN TEL DISPOSITIF.**

[72] LOURME, JEAN-CHRISTOPHE, FR
[72] TENDON, GARY, FR
[72] HOGREL, JEAN-YVES, FR
[73] VALOTEC, FR
[73] ASSOCIATION INSTITUT DE MYOLOGIE, FR
[85] 2016-02-04
[86] 2014-08-06 (PCT/EP2014/066941)
[87] (WO2015/018876)
[30] FR (1357829) 2013-08-06

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[11] **2,921,582**
[13] C

[51] **Int.Cl. B23B 1/00 (2006.01) B23B 3/22 (2006.01) B23B 5/16 (2006.01)**
[25] EN
[54] **TUBULAR CONNECTION REFACING APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES DE RECTIFICATION DE RACCORD TUBULAIRE**
[72] DHOOGHE, PATRICK, US
[73] REFACE SYSTEMS, LLC, US
[85] 2016-02-16
[86] 2014-08-19 (PCT/US2014/051609)
[87] (WO2015/026771)
[30] US (61/867,488) 2013-08-19

[11] **2,922,231**
[13] C

[51] **Int.Cl. A61K 31/704 (2006.01) A61K 36/537 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **TRADITIONAL CHINESE MEDICINE COMPOSITION**
[54] **COMPOSITION DE MEDECINE CHINOISE TRADITIONNELLE**
[72] YAN, XIJUN, CN
[72] WU, NAIFENG, CN
[72] ZHANG, SHUNNAN, CN
[72] LI, PING, CN
[72] YE, ZHENGLIANG, CN
[72] ZHOU, LIHONG, CN
[72] QI, LIANWEN, CN
[72] ZHANG, FENGLIAN, CN
[72] QI, MINCHAO, CN
[72] YANG, ZHEXUAN, CN
[72] SUN, WEI, CN
[72] YU, JING, CN
[72] YANG, HUA, CN
[72] LIU, PENG, CN
[72] MA, XIAOHUI, CN
[72] DONG, HAI'OU, CN
[72] ZHANG, WENSHENG, CN
[72] ZHANG, LANLAN, CN
[72] LI, CHENMING, CN
[73] TASLY PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2016-02-24
[86] 2014-08-28 (PCT/CN2014/085362)
[87] (WO2015/027929)
[30] CN (201310384234.6) 2013-08-29
[30] CN (201410044675.6) 2014-01-30

[11] **2,922,307**
[13] C

[51] **Int.Cl. B64C 19/00 (2006.01)**
[25] EN
[54] **GUST COMPENSATION SYSTEM AND METHOD FOR AIRCRAFT**
[54] **SYSTEME ET METHODE DE COMPENSATION DE BOURRASQUE DESTINES A UN AERONEF**
[72] ABDEL-MOTAGALY, KHALED, US
[72] CAICEDO, RAFAEL E., US
[72] DALLARA, CHRISTOPHER D., US
[72] HO, ALEXANDER C., US
[72] NAJMABADI, KIOUMARS, US
[72] STREFLING, PAUL C., US
[72] YAMASHIRO, HISAKO, US
[72] SIU, TZE L., US
[73] THE BOEING COMPANY, US
[86] (2922307)
[87] (2922307)
[22] 2016-03-01
[30] US (14/730,986) 2015-06-04

[11] **2,923,846**
[13] C

[51] **Int.Cl. B22F 3/105 (2006.01) B01D 53/00 (2006.01) B22F 5/00 (2006.01) B22F 5/04 (2006.01)**
[25] FR
[54] **METHOD FOR MONITORING THE ENERGY DENSITY OF A LASER BEAM BY IMAGE ANALYSIS AND CORRESPONDING DEVICE**
[54] **PROCEDE DE CONTROLE DE LA DENSITE D'ENERGIE D'UN FAISCEAU LASER PAR ANALYSE D'IMAGE ET DISPOSITIF CORRESPONDANT**
[72] BAUDIMONT, CYRILLE, FR
[72] FOUQUET, JULIE, FR
[72] MONNET, DIDIER, FR
[73] SNECMA, FR
[85] 2016-03-09
[86] 2014-09-17 (PCT/FR2014/052312)
[87] (WO2015/040327)
[30] FR (1358963) 2013-09-18

[11] **2,924,040**
[13] C

[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **ASSET MANAGEMENT IN A PROCESS CONTROL SYSTEM**
[54] **GESTION DE BIENS DANS UN SYSTEME DE COMMANDE D'UN PROCEDE**
[72] MARTIN, PETER G., US
[72] CUSWORTH, TREVOR, US
[73] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US
[86] (2924040)
[87] (2924040)
[22] 2016-03-18
[30] US (14/664,511) 2015-03-20

[11] **2,924,759**
[13] C

[51] **Int.Cl. B63H 25/42 (2006.01) B63B 35/44 (2006.01)**
[25] EN
[54] **NAVAL PLATFORM PROVIDED WITH AT LEAST ONE HULL COMPRISING STEERABLE THRUSTERS**
[54] **PLATEFORME NAVALE MUNIE D'AU MOINS UNE COQUE EQUIPEE DE PROPULSEURS ORIENTABLES**
[72] KERKENI, SOFIEN, FR
[72] DAL SANTO, XAVIER, FR
[73] DCNS, FR
[85] 2016-03-18
[86] 2014-10-01 (PCT/EP2014/071058)
[87] (WO2015/049296)
[30] FR (13 59479) 2013-10-01

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[11] **2,926,676**
[13] C

[51] **Int.Cl. H02J 50/12 (2016.01) H02J 50/90 (2016.01) E06B 1/04 (2006.01) G05F 5/04 (2006.01) H01H 36/02 (2006.01) H02M 7/02 (2006.01)**

[25] EN

[54] **COMPACT POWER TRANSFER MECHANISM USING INDUCED EMF**

[54] **MECANISME DE TRANSFERT D'ENERGIE COMPACT EMPLOYANT UN CHAMP MAGNETIQUE INDUIT**

[72] LEWIS, ROBERT W., US

[72] HANCHETT, LELAND J., JR., US

[73] HANCHETT ENTRY SYSTEMS, INC., US

[86] (2926676)

[87] (2926676)

[22] 2016-04-11

[30] US (62/147397) 2015-04-14

[11] **2,927,414**
[13] C

[51] **Int.Cl. B60P 3/08 (2006.01) B60P 1/48 (2006.01)**

[25] FR

[54] **METHOD FOR LOADING AND UNLOADING A SPACE LOCATED ON A VEHICLE**

[54] **PROCEDE DE CHARGEMENT ET DE DECHARGEMENT D'UN ESPACE LOCALISE SUR UN VEHICULE**

[72] SCHEER, DANIEL, FR

[72] VERDIER, LAURENT, FR

[73] LOHR ELECTROMECHANIQUE, FR

[85] 2016-04-14

[86] 2014-10-17 (PCT/FR2014/052654)

[87] (WO2015/055967)

[30] FR (1360129) 2013-10-17

[11] **2,927,732**
[13] C

[51] **Int.Cl. H02J 9/06 (2006.01) H02P 9/14 (2006.01)**

[25] EN

[54] **ACTIVE ENGINE COOL DOWN TIME DELAY FOR AUTOMATIC TRANSFER SWITCH CONTROLLERS**

[54] **TEMPORISATION DE REFROIDISSEMENT DE MOTEUR ACTIF POUR DES DISPOSITIFS DE COMMANDE DE COMMUTATEUR DE TRANSFERT AUTOMATIQUE**

[72] LATHROP, TODD M., US

[72] LOUCKS, DAVID G., US

[72] POPOVICH, BERT, US

[73] EATON INTELLIGENT POWER LIMITED, IE

[85] 2016-04-15

[86] 2014-10-21 (PCT/IB2014/065508)

[87] (WO2015/092560)

[30] US (14/108,546) 2013-12-17

[11] **2,927,767**
[13] C

[51] **Int.Cl. A01N 43/56 (2006.01) A01N 37/18 (2006.01) A01N 37/42 (2006.01) A01N 37/52 (2006.01) A01N 43/10 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/72 (2006.01) A01N 43/80 (2006.01) A01N 47/38 (2006.01) A01P 3/00 (2006.01)**

[25] EN

[54] **ACTIVE COMPOUND COMBINATIONS COMPRISING A (THIO)CARBOXAMIDE DERIVATIVE AND A FUNGICIDAL COMPOUND**

[54] **ASSOCIATIONS DE COMPOSES ACTIFS COMPRENANT UN DERIVE DE (THIO)CARBOXIMIDE ET UN COMPOSE FONGICIDE**

[72] CRISTAU, PIERRE, FR

[72] DAHMEN, PETER, DE

[72] DESBORDES, PHILIPPE, FR

[72] TSUCHIYA, TOMOKI, FR

[72] WACHENDORFF-NEUMANN, ULRIKE, DE

[72] COQUERON, PIERRE-YVES, FR

[73] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE

[85] 2016-04-15

[86] 2014-10-15 (PCT/EP2014/072099)

[87] (WO2015/055707)

[30] EP (13356015.1) 2013-10-16

[11] **2,930,068**
[13] C

[51] **Int.Cl. H02K 5/22 (2006.01) H02K 11/00 (2016.01)**

[25] EN

[54] **ELECTROMOTIVE DRIVE SYSTEM**

[54] **SYSTEME D'ENTRAINEMENT PAR MOTEUR ELECTRIQUE**

[72] SCHRODEL, GEORG, DE

[73] BAUMULLER NURNBERG GMBH, DE

[85] 2016-05-09

[86] 2014-08-01 (PCT/EP2014/002133)

[87] (WO2015/070936)

[30] DE (20 2013 010 294.2) 2013-11-13

[11] **2,930,424**
[13] C

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

[25] EN

[54] **IMPROVED CONTROL FLOW INTEGRITY SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE D'AMELIORATION DE L'INTEGRITE DU FLUX DE COMMANDE**

[72] WESIE, ANDREW MICHAEL, US

[72] PAK, BRIAN SEJOON, US

[73] RUNSAFE SECURITY, INC., US

[85] 2016-05-11

[86] 2014-11-11 (PCT/US2014/065063)

[87] (WO2015/073450)

[30] US (61/903,091) 2013-11-12

[30] US (61/903,137) 2013-11-12

[11] **2,930,611**
[13] C

[51] **Int.Cl. E05B 81/28 (2014.01) E05B 81/06 (2014.01) E05B 81/14 (2014.01) E05B 81/34 (2014.01)**

[25] EN

[54] **LATCH APPARATUS**

[54] **DISPOSITIF DE VERROU**

[72] WEINERMAN, LEE S., US

[72] LUGAS, GRANT A., US

[73] THE EASTERN COMPANY, US

[85] 2016-05-12

[86] 2014-11-20 (PCT/US2014/066557)

[87] (WO2015/077420)

[30] US (61/908,415) 2013-11-25

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[11] **2,931,109**
[13] C

[51] **Int.Cl. A61K 31/205 (2006.01) A61K 31/07 (2006.01) A61K 31/191 (2006.01) A61K 31/197 (2006.01) A61K 31/198 (2006.01) A61K 31/355 (2006.01) A61K 31/375 (2006.01) A61K 31/4415 (2006.01) A61K 31/519 (2006.01) A61K 31/525 (2006.01) A61K 31/59 (2006.01) A61K 31/592 (2006.01) A61K 31/593 (2006.01) A61K 31/714 (2006.01) A61K 33/04 (2006.01) A61K 33/26 (2006.01) A61K 33/30 (2006.01) A61K 33/34 (2006.01) A61P 15/08 (2006.01)**

[25] EN
[54] **COMPOSITION USEFUL FOR PROMOTING FEMALE FERTILITY**

[54] **COMPOSITION UTILE POUR FAVORISER LA FERTILITE FEMININE**

[72] VIRMANI, ASHRAF, IT
[72] ZERELLI, SAFOUANE, NL
[73] ALFASIGMA S.P.A., IT
[85] 2016-05-18
[86] 2014-11-13 (PCT/EP2014/074424)
[87] (WO2015/082180)
[30] EP (13195774.8) 2013-12-05

[11] **2,931,404**
[13] C

[51] **Int.Cl. A47J 27/04 (2006.01)**

[25] FR
[54] **ELECTRICAL APPLIANCE FOR THE STEAM-HEATING AND/OR - COOKING OF FOOD**

[54] **APPAREIL ELECTRIQUE DE CHAUFFAGE ET/OU DE CUISSON D'ALIMENTS A LA VAPEUR**

[72] BLOND, LAURENT, FR
[73] SEB S.A., FR
[85] 2016-05-24
[86] 2014-12-10 (PCT/FR2014/053252)
[87] (WO2015/086990)
[30] FR (1362545) 2013-12-13

[11] **2,931,849**
[13] C

[51] **Int.Cl. B60T 3/00 (2006.01)**

[25] EN
[54] **WHEEL CHOCK AND METHOD**

[54] **CALE DE ROUE ET PROCEDE**

[72] PALMER, GREGORY, CA
[72] GROTHE, DANIEL, CA
[72] AYOTTE, ETIENNE, CA
[72] JETTE, GAETAN, CA
[73] 9172-9863 QUEBEC INC., CA
[85] 2016-05-27
[86] 2014-11-28 (PCT/CA2014/051143)
[87] (WO2015/077893)
[30] US (61/910,264) 2013-11-29

[11] **2,933,029**
[13] C

[51] **Int.Cl. B01D 27/04 (2006.01) B01D 27/08 (2006.01) B01D 35/02 (2006.01)**

[25] EN
[54] **CONTAINER FOR FILTER-AS-YOU-POUR SYSTEM**

[54] **RECIPIENT POUR SYSTEME DU TYPE A FILTRAGE ET VERSEMENT SIMULTANES**

[72] DANI, NIKHIL P., US
[72] MCDONALD, JONATHAN, US
[72] DOAN, NICOLE, US
[72] WIEGELE, JONATHAN TAYLOR, US
[73] BRITA LP, US
[85] 2016-06-07
[86] 2014-12-08 (PCT/US2014/069047)
[87] (WO2015/094752)
[30] US (14/132,134) 2013-12-18
[30] US (61/940,101) 2014-02-14

[11] **2,933,065**
[13] C

[51] **Int.Cl. A61K 31/155 (2006.01) A61P 11/00 (2006.01) A61P 27/02 (2006.01)**

[25] EN
[54] **MATERIALS AND METHODS FOR CONTROLLING INFECTIONS**

[54] **MATIERES ET METHODES DE LUTTE CONTRE LES INFECTIONS VIRALES**

[72] TWOMEY, CAROLYN L., US
[72] CLARKE, GARETH, US
[72] ZAIDSPINER, SAMUEL J., US
[73] INNOVATION TECHNOLOGIES, INC., US
[85] 2016-06-07
[86] 2014-12-12 (PCT/US2014/070059)
[87] (WO2015/089421)
[30] US (61/915,281) 2013-12-12

[11] **2,933,982**
[13] C

[51] **Int.Cl. H01H 13/50 (2006.01) H01H 13/52 (2006.01) H01H 1/20 (2006.01)**

[25] EN
[54] **CONTACT ELEMENT**

[54] **ELEMENT DE CONTACT**

[72] BRUCHSCHMIDT, FRANK, DE
[72] WIESE, ARTUR, DE
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2016-06-15
[86] 2014-12-16 (PCT/EP2014/077980)
[87] (WO2015/091497)
[30] DE (10 2013 114 434.9) 2013-12-19

[11] **2,934,661**
[13] C

[51] **Int.Cl. A61M 39/16 (2006.01) A61L 2/10 (2006.01)**

[25] EN
[54] **UV STERILIZING CATHETERS AND CATHETER CONNECTORS**

[54] **STERILISATION AUX UV DE CATHETERS ET CONNECTEURS DE CATHETER**

[72] COHEN, MARIA PATRICIA, US
[72] COHEN, GORDON ALAN, US
[73] COHEN, MARIA PATRICIA, US
[73] COHEN, GORDON ALAN, US
[85] 2016-06-20
[86] 2014-12-17 (PCT/US2014/070912)
[87] (WO2015/095363)
[30] US (61/917,818) 2013-12-18

[11] **2,934,683**
[13] C

[51] **Int.Cl. B05B 13/02 (2006.01)**

[25] EN
[54] **METHOD AND APPARATUS FOR COATING A MOVING SUBSTRATE**

[54] **PROCEDE ET APPAREIL DE REVETEMENT D'UN SUBSTRAT MOBILE**

[72] SVEC, JAMES A., US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (2934683)
[87] (2934683)
[22] 2016-06-29
[30] US (62/186,136) 2015-06-29

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[11] **2,935,055**
[13] C

- [51] **Int.Cl. A61K 31/444 (2006.01) A61K 9/08 (2006.01) A61K 47/04 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/22 (2006.01) A61K 47/32 (2006.01) A61P 9/12 (2006.01) A61P 27/02 (2006.01) A61P 27/06 (2006.01)**
- [25] EN
- [54] **PHARMACEUTICAL COMPOSITION CONTAINING PYRIDYLAMINOACETIC ACID COMPOUND**
- [54] **COMPOSITION PHARMACEUTIQUE CONTENANT UN COMPOSE ACIDE PYRIDYLAMINO-ACETIQUE**
- [72] ENDO, YOKO, JP
- [73] SANTEN PHARMACEUTICAL CO., LTD., JP
- [85] 2016-06-23
- [86] 2015-01-08 (PCT/JP2015/050334)
- [87] (WO2015/105135)
- [30] JP (2014-002810) 2014-01-10

[11] **2,936,157**
[13] C

- [51] **Int.Cl. C07H 21/04 (2006.01)**
- [25] EN
- [54] **COVERED SEQUENCE CONVERSION DNA AND DETECTION METHODS**
- [54] **ADN POUR CONVERSION DE SEQUENCES ET PROCEDES DE DETECTION**
- [72] KOMIYA, KEN, JP
- [72] KOMORI, MAKOTO, JP
- [72] YOSHIMURA, TORU, JP
- [73] TOKYO INSTITUTE OF TECHNOLOGY, JP
- [73] ABBOTT LABORATORIES, US
- [85] 2016-07-07
- [86] 2015-01-15 (PCT/IB2015/000726)
- [87] (WO2015/114469)
- [30] US (61/927,710) 2014-01-15

[11] **2,936,970**
[13] C

- [51] **Int.Cl. A61M 39/10 (2006.01) A61M 39/20 (2006.01)**
- [25] EN
- [54] **"VALVED CONNECTOR FOR MEDICAL LINES"**
- [54] **RACCORD AVEC SOUPEPE POUR TUBULURES MEDICALES**
- [72] GUALA, GIANNI, IT
- [73] INDUSTRIE BORLA S.P.A., IT
- [85] 2016-07-14
- [86] 2014-12-31 (PCT/IB2014/067444)
- [87] (WO2015/114428)
- [30] IT (TO2014A000078) 2014-01-31

[11] **2,937,892**
[13] C

- [51] **Int.Cl. E21B 47/00 (2012.01) E21B 43/26 (2006.01) G01V 3/18 (2006.01) G01V 3/38 (2006.01)**
- [25] EN
- [54] **INTERROGATING SUBTERRANEAN HYDRAULIC FRACTURES USING MAGNETOELASTIC RESONATORS**
- [54] **INTERROGATION DES FRACTURES HYDRAULIQUES SOUTERRAINES A L'AIDE DE RESONATEURS MAGNETO-ELASTIQUES**
- [72] GIANCHANDANI, YOGESH, US
- [72] GREEN, SCOTT, US
- [72] SARABANDI, KAMAL, US
- [72] KANJ, MAZEN, SA
- [72] SCHMIDT, HOWARD, SA
- [72] TANG, JUN, US
- [72] WU, JIANGFENG, US
- [73] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
- [73] SAUDI ARABIAN OIL COMPANY, SA
- [85] 2016-07-25
- [86] 2015-01-26 (PCT/US2015/012947)
- [87] (WO2015/112996)
- [30] US (61/931,934) 2014-01-27

[11] **2,938,028**
[13] C

- [51] **Int.Cl. E21B 44/00 (2006.01) E21B 17/00 (2006.01) G06F 9/455 (2018.01) G06G 7/48 (2006.01)**
- [25] EN
- [54] **ESTIMATION AND MONITORING OF CASING WEAR DURING A DRILLING OPERATION USING CASING WEAR MAPS**
- [54] **ESTIMATION ET SURVEILLANCE D'USURE DE TUBAGE PENDANT UNE OPERATION DE FORAGE GRACE A DES CARTES D'USURE DE TUBAGE**
- [72] SAMUEL, ROBELLO, US
- [72] ANIKET, ANIKET, US
- [73] LANDMARK GRAPHICS CORPORATION, US
- [85] 2016-07-26
- [86] 2014-12-31 (PCT/US2014/073055)
- [87] (WO2015/130406)
- [30] US (61/946,534) 2014-02-28

[11] **2,938,810**
[13] C

- [51] **Int.Cl. F41H 5/04 (2006.01)**
- [25] EN
- [54] **BALLISTIC RESISTANT ARTICLES COMPRISING TAPES**
- [54] **ARTICLES A RESISTANCE BALISTIQUE COMPRENANT DES BANDES**
- [72] VAN DER EEM, JORIS, NL
- [72] HARINGS, JULES, NL
- [72] JANSE, GERARDUS, NL
- [72] TJADEN, HENDRIK, NL
- [73] TEIJIN ARAMID B.V., NL
- [85] 2016-08-04
- [86] 2015-02-05 (PCT/EP2015/052362)
- [87] (WO2015/118043)
- [30] EP (14154460.1) 2014-02-10

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[11] **2,938,864**
[13] C

[51] **Int.Cl. G01S 5/02 (2010.01) H04W 64/00 (2009.01) G01S 5/14 (2006.01)**
[25] EN
[54] **LOCALIZATION OF A WIRELESS USER EQUIPMENT DEVICE IN A TARGET ZONE**
[54] **LOCALISATION D'UN DISPOSITIF D'EQUIPEMENT D'UTILISATEUR SANS FIL DANS UNE ZONE CIBLE**
[72] LI, LIQUN, US
[72] SHEN, GUOBIN, US
[72] ZHAO, CHUNSHUI, US
[72] ZHAO, FENG, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2016-08-04
[86] 2015-02-02 (PCT/US2015/014101)
[87] (WO2015/126606)
[30] US (14/185,768) 2014-02-20

[11] **2,938,881**
[13] C

[51] **Int.Cl. H01H 45/04 (2006.01) H01H 50/04 (2006.01) H01H 50/14 (2006.01) H01R 25/16 (2006.01)**
[25] EN
[54] **SWITCHING ASSEMBLY AND INTERCONNECT ASSEMBLY THEREFOR**
[54] **ENSEMBLE DE COMMUTATION ET SON ENSEMBLE D'INTERCONNEXION**
[72] MILLS, PATRICK WELLINGTON, US
[72] MCCORMICK, JAMES MICHAEL, US
[72] MUCKEFUSE, JEFFREY ALAN, US
[73] LABINAL, LLC, US
[85] 2016-08-04
[86] 2015-02-16 (PCT/US2015/016038)
[87] (WO2015/126786)
[30] US (61/940,988) 2014-02-18

[11] **2,938,952**
[13] C

[51] **Int.Cl. B01D 61/14 (2006.01) B01D 61/16 (2006.01) B01D 61/18 (2006.01) B01D 61/20 (2006.01) B01D 65/08 (2006.01) C07C 29/76 (2006.01) C07C 29/88 (2006.01)**
[25] EN
[54] **DIVALENT ION REMOVAL FROM MONOETHYLENE GLYCOL (MEG) FEED STREAMS**
[54] **ELIMINATION D'IONS DIVALENTS A PARTIR DE FLUX D'ALIMENTATION EN MONOETHYLENE GLYCOL (MEG)**
[72] BUSSELL, BRYAN A., GB
[72] CRAWLEY-BOEVEY, SIMON, GB
[72] JARIWALA, ANKUR D., US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2016-08-05
[86] 2014-02-11 (PCT/US2014/015827)
[87] (WO2015/119639)
[30] US (14/176,789) 2014-02-10

[11] **2,940,154**
[13] C

[51] **Int.Cl. A61H 3/04 (2006.01) B62B 5/04 (2006.01)**
[25] EN
[54] **BRAKE ASSEMBLY FOR A HEIGHT-ADJUSTABLE WALKER APPARATUS**
[54] **MECANISME DE FREIN DESTINE A UN DISPOSITIF DE DEAMBULATEUR A HAUTEUR AJUSTABLE**
[72] LIU, JULIAN, CA
[73] EVOLUTION TECHNOLOGIES INC., CA
[85] 2016-08-25
[86] 2016-08-19 (PCT/CA2016/050978)
[87] (WO2017/035633)
[30] US (62/213,566) 2015-09-02
[30] US (14/966,572) 2015-12-11

[11] **2,940,166**
[13] C

[51] **Int.Cl. C07C 67/02 (2006.01)**
[25] EN
[54] **PROCESS FOR MAKING ESTERS OF 2-ACETOXYALKANOIC ACIDS USING AN ALPHA-HYDROXYALKANOIC ACID ESTER AND AN ACETATE ESTER AS STARTING MATERIALS**
[54] **PROCEDE DE PRODUCTION D'ESTERS D'ACIDES 2-ACETOXYALCANOIQUES UTILISANT UN ESTER D'ACIDE ALPHA-HYDROXYALCANOIQUE ET UN ESTER D'ACETATE EN TANT QUE MATERIAUX DE DEPART**
[72] KULSHRESTHA, AMAN, US
[72] SCHROEDER, JOSEPH DAVID, US
[72] BRAY, STEVEN SCOTT, US
[73] NATUREWORKS LLC, US
[85] 2016-08-18
[86] 2015-02-23 (PCT/US2015/017127)
[87] (WO2015/127372)
[30] US (61/943,989) 2014-02-24

[11] **2,940,168**
[13] C

[51] **Int.Cl. C07C 67/02 (2006.01) C07C 69/67 (2006.01)**
[25] EN
[54] **PROCESS FOR MAKING ESTERS OF 2-ACETOXYALKANOIC ACIDS USING A 3,6-DIALKYL-1,4-DIOXANE-2,5-DIONE OR POLY-(ALPHA-HYDROXYALKANOIC ACID) AS A STARTING MATERIAL**
[54] **PROCEDE DE FABRICATION D'ESTERS D'ACIDES 2-ACETOXYALCANOIQUES UTILISANT LE COMPOSE 3,6-DIALKYL-1,4-DIOXANE-2,5-DIONE OU POLY(ACIDE ALPHA-HYDROXYALCANOIQUE) EN TANT QUE MATIERE PRE MIERE**
[72] KULSHRESTHA, AMAN, US
[72] SCHROEDER, JOSEPH DAVID, US
[73] NATUREWORKS LLC, US
[85] 2016-08-18
[86] 2015-02-23 (PCT/US2015/017129)
[87] (WO2015/127374)
[30] US (61/943,993) 2014-02-24

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[11] **2,940,254**
[13] C

[51] **Int.Cl. A47B 85/00 (2006.01) A47B 95/00 (2006.01) A47B 96/00 (2006.01) A47B 97/00 (2006.01) E05D 7/00 (2006.01)**

[25] EN

[54] **CONVERTIBLE FURNITURE UNIT, SLAT FOR USE IN FORMING A FURNITURE UNIT AND METHOD OF USING A CONVERTIBLE FURNITURE UNIT**

[54] **UNITE DE MEUBLE CONVERTIBLE, LATTE DESTINEE A ETRE UTILISEE DANS LA FORMATION D'UNE UNITE DE MEUBLE ET PROCEDE D'UTILISATION D'UNE UNITE DE MEUBLE CONVERTIBLE**

[72] LEATHEAD, STEPHANE, CA

[73] DESIGNARIUM INC., CA

[85] 2016-08-19

[86] 2015-08-20 (PCT/CA2015/050794)

[87] (WO2016/029300)

[30] US (62/043,524) 2014-08-29

[11] **2,940,601**
[13] C

[51] **Int.Cl. C07D 498/22 (2006.01) A61K 31/437 (2006.01) A61K 49/00 (2006.01) A61P 1/12 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **NEW SOLVATED CRYSTAL FORM OF RIFAXIMIN, PRODUCTION, COMPOSITIONS AND USES THEREOF**

[54] **NOUVELLE FORME CRISTALLINE SOLVATEE DE LA RIFAXIMINE, PRODUCTION, COMPOSITIONS ET UTILISATIONS ASSOCIEES**

[72] VISCOMI, GIUSEPPE CLAUDIO, IT

[72] MAFFEI, PAOLA, IT

[72] SFORZINI, ANNALISA, IT

[72] GREPIONI, FABRIZIA, IT

[72] CHELAZZI, LAURA, IT

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

[85] 2016-08-24

[86] 2015-05-07 (PCT/IB2015/053342)

[87] (WO2015/173697)

[30] US (61/992,017) 2014-05-12

[11] **2,941,653**
[13] C

[51] **Int.Cl. G02B 27/01 (2006.01) G02B 30/34 (2020.01) G09G 5/377 (2006.01)**

[25] EN

[54] **WEARABLE 3D AUGMENTED REALITY DISPLAY**

[54] **AFFICHAGE A REALITE AUGMENTEE 3D PRET-A-PORTER**

[72] HUA, HONG, US

[72] JAVIDI, BAHRAM, US

[73] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US

[73] UNIVERSITY OF CONNECTICUT, US

[85] 2016-09-02

[86] 2015-03-05 (PCT/US2015/018948)

[87] (WO2015/134738)

[30] US (61/948,226) 2014-03-05

[11] **2,941,907**
[13] C

[51] **Int.Cl. H01F 21/08 (2006.01) H01F 3/14 (2006.01)**

[25] EN

[54] **AN INDUCTOR, A RELATED METHOD OF MANUFACTURE, A TRANSMITTER INCLUDING SAID INDUCTOR, AND A RELATED PROXIMITY DETECTION SYSTEM**

[54] **BOBINE D'INDUCTION, PROCEDE DE FABRICATION ASSOCIE, EMETTEUR COMPRENANT LADITE BOBINE D'INDUCTION ET SYSTEME DE DETECTION DE PROXIMITE ASSOCIE**

[72] SWEENEY, PETER JOHN, AU

[72] WILDT, MARTIN CHRISTOPHER, AU

[73] MINE SITE TECHNOLOGIES PTY LTD, AU

[85] 2016-09-08

[86] 2015-03-24 (PCT/AU2015/050131)

[87] (WO2015/143505)

[30] AU (2014901045) 2014-03-24

[11] **2,942,379**
[13] C

[51] **Int.Cl. A61B 8/00 (2006.01)**

[25] EN

[54] **HIGH FREQUENCY ULTRASOUND TRANSDUCER HAVING AN ULTRASONIC LENS WITH INTEGRAL CENTRAL MATCHING LAYER**

[54] **TRANSDUCTEUR A ULTRASONS HAUTE FREQUENCE AYANT UNE LENTILLE ULTRASONORE AVEC UNE COUCHE D'ADAPTATION CENTRALE INTEGREE**

[72] CHAGGARES, N. CHRIS, CA

[73] FUJIFILM SONOSITE, INC., US

[85] 2016-09-09

[86] 2015-03-12 (PCT/US2015/020279)

[87] (WO2015/138796)

[30] US (61/952,086) 2014-03-12

[11] **2,942,878**
[13] C

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/194 (2006.01) A61K 31/445 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL LIQUID COMPOSITION COMPRISING SODIUM PICOSULFATE, MAGNESIUM OXIDE, CITRIC ACID AND MALIC ACID**

[54] **COMPOSITION PHARMACEUTIQUE LIQUIDE COMPRENANT DU PICOSULFATE SODIQUE, DEL'OXYDE DE MAGNESIUM, DE L'ACIDE CITRIQUE ET DE L'ACIDE MALIQUE**

[72] NAM, BONG GIL, KR

[72] LEE, BYEUNG JUN, KR

[72] JIN, SHUNJI, KR

[73] FERRING INTERNATIONAL CENTER SA, CH

[85] 2016-09-15

[86] 2014-06-23 (PCT/KR2014/005512)

[87] (WO2015/141897)

[30] KR (10-2014-0032242) 2014-03-19

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[11] **2,942,924**
[13] C

[51] **Int.Cl. B08B 1/04 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CLEANING A SURFACE WITH MULTIPLE PROTRUDING STUDS**
[54] **APPAREIL ET PROCÉDE POUR LE NETTOYAGE D'UNE SURFACE COMPRENANT DE MULTIPLES POINTES EN SAILLIE**
[72] LE BLANC, JOSEPH ROGER, CA
[73] LE BLANC, JOSEPH ROGER, CA
[85] 2016-09-15
[86] 2015-06-09 (PCT/CA2015/050528)
[87] (WO2015/188270)
[30] US (62/009,498) 2014-06-09

[11] **2,943,784**
[13] C

[51] **Int.Cl. G06F 1/30 (2006.01) G06F 1/26 (2006.01)**
[25] EN
[54] **AUTOMATIC TRANSFER SWITCH FOR POWER BUSWAYS**
[54] **COMMUTATEUR DE TRANSFERT AUTOMATIQUE POUR BARRES BLINDEES DE PUISSANCE**
[72] CHAPEL, STEVE, US
[72] PACHOUD, WILLIAM, US
[73] ZONIT STRUCTURED SOLUTIONS, LLC, US
[85] 2016-09-23
[86] 2015-03-25 (PCT/US2015/022516)
[87] (WO2015/148686)
[30] US (61/970,267) 2014-03-25

[11] **2,943,965**
[13] C

[51] **Int.Cl. C12M 3/00 (2006.01) C12N 5/071 (2010.01) B33Y 30/00 (2015.01) A61L 27/38 (2006.01) B41J 2/01 (2006.01) C12M 1/00 (2006.01) C12N 1/20 (2006.01) C12N 7/00 (2006.01) C12N 13/00 (2006.01)**
[25] EN
[54] **METHODS, DEVICES, AND SYSTEMS FOR THE FABRICATION OF MATERIALS AND TISSUES UTILIZING ELECTROMAGNETIC RADIATION**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES PERMETTANT DE FABRIQUER DES MATERIAUX ET DES TISSUS EN UTILISANT UN RAYONNEMENT ELECTROMAGNETIQUE**
[72] SOLORZANO, RICARDO D., US
[72] HASHMI, SOHAIB K., US
[72] CABRERA, DANIEL, US
[73] 3D SYSTEMS, INC., US
[85] 2016-09-23
[86] 2015-03-25 (PCT/US2015/022458)
[87] (WO2015/148646)
[30] US (61/969,832) 2014-03-25
[30] US (62/046,279) 2014-09-05

[11] **2,944,172**
[13] C

[51] **Int.Cl. E21B 43/10 (2006.01)**
[25] EN
[54] **EXPANSION SYSTEM**
[54] **SYSTEME D'EXPANSION**
[72] BENNETT, FREDERICK CORNELL, US
[73] ENVENTURE GLOBAL TECHNOLOGY, INC., US
[85] 2016-09-28
[86] 2015-05-05 (PCT/US2015/029203)
[87] (WO2015/171586)
[30] US (61/988,740) 2014-05-05

[11] **2,945,386**
[13] C

[51] **Int.Cl. B64G 1/64 (2006.01) B25J 9/00 (2006.01) B25J 11/00 (2006.01) B25J 15/00 (2006.01) B25J 19/02 (2006.01) B64G 4/00 (2006.01)**
[25] EN
[54] **SPACECRAFT CAPTURE MECHANISM**
[54] **MECANISME DE CAPTURE DE VAISSEAU SPATIAL**
[72] REMBALA, RICHARD, CA
[72] TURNER, ANDREW, CA
[72] CHARBONNEAU, JUSTIN, CA
[73] MACDONALD, DETTWILER AND ASSOCIATES INC., CA
[85] 2016-10-11
[86] 2015-05-04 (PCT/CA2015/050387)
[87] (WO2015/164983)
[30] US (61/987,860) 2014-05-02

[11] **2,945,420**
[13] C

[51] **Int.Cl. B05D 1/28 (2006.01) B05C 1/06 (2006.01)**
[25] EN
[54] **BRUSHES FOR DELIVERING GLUTINOUS SUBSTANCE TO WORKPIECE FROM END-EFFECTOR AND METHODS FOR USING THE SAME**
[54] **BROSSES SERVANT A DISTRIBUER UNE SUBSTANCE GLUANTE SUR UNE PIECE DE TRAVAIL A PARTIR D'UN EFFECTEUR D'EXTREMITÉ ET METHODES D'UTILISATION DESDITES BROSSES**
[72] TOMUTA, RAUL, US
[72] TOPE, RICHARD P., US
[72] GUIRGUIS, MARTIN, US
[73] THE BOEING COMPANY, US
[86] (2945420)
[87] (2945420)
[22] 2016-10-14
[30] US (62/242216) 2015-10-15
[30] US (15/143140) 2016-04-29

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[11] **2,946,191**

[13] C

- [51] **Int.Cl. F16D 3/26 (2006.01) E21B 17/02 (2006.01) F16D 3/04 (2006.01)**
[25] EN
[54] **MUD MOTOR TRANSMISSION**
[54] **TRANSMISSION DE MOTEUR A BOUE**
[72] KUHN, JAMES F., US
[72] PTAK, KEITH R., US
[73] LORD CORPORATION, US
[85] 2016-10-17
[86] 2014-11-05 (PCT/US2014/064080)
[87] (WO2015/171176)
[30] US (61/988,688) 2014-05-05

[11] **2,947,479**

[13] C

- [51] **Int.Cl. A61B 5/0205 (2006.01) A61B 5/024 (2006.01) A61B 5/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSESSING ANIMALS CONSIDERING AUSCULTATION AND EVALUATION OF PHYSIOLOGICAL RESPONSES IN VARIOUS ENVIRONMENTS**
[54] **SYSTEME ET PROCEDE POUR EVALUER DES ANIMAUX EN TENANT COMPTE DE L'AUSCULTATION ET DE REPONSES PHYSIOLOGIQUES DANS DIVERS ENVIRONNEMENTS**
[72] BRATTAIN, KURT, US
[73] INTERVET INTERNATIONAL B.V., NL
[85] 2016-10-28
[86] 2015-04-29 (PCT/US2015/028373)
[87] (WO2015/168341)
[30] US (61/985,935) 2014-04-29

[11] **2,947,883**

[13] C

- [51] **Int.Cl. A44B 11/25 (2006.01) A44B 11/00 (2006.01)**
[25] EN
[54] **A BUCKLE**
[54] **UNE BOUCLE**
[72] SIXT, JOSEF, DE
[72] SCHWAGER, MARTIN, DE
[73] LINDNERHOF-TAKTIK GMBH, DE
[86] (2947883)
[87] (2947883)
[22] 2016-11-08
[30] DE (10 2015 014 471.5) 2015-11-09

[11] **2,948,941**

[13] C

- [51] **Int.Cl. G09F 7/20 (2006.01) G09F 15/00 (2006.01)**
[25] EN
[54] **TRANSPORTABLE SIGN**
[54] **PANNEAU TRANSPORTABLE**
[72] TRUIJEN, MICHAEL, NL
[73] TROTTER PROPERTIES B.V., NL
[85] 2016-11-14
[86] 2014-05-14 (PCT/EP2014/059893)
[87] (WO2014/184269)
[30] EP (13167612.4) 2013-05-14
[30] EP (13177397.0) 2013-07-22

[11] **2,949,204**

[13] C

- [51] **Int.Cl. G06Q 10/10 (2012.01) H04N 21/242 (2011.01) H04N 21/458 (2011.01) H04N 21/854 (2011.01) G06F 3/0481 (2013.01) G06F 3/14 (2006.01)**
[25] EN
[54] **COLLABORATIVE GROUP VIDEO PRODUCTION SYSTEM**
[54] **SYSTEME DE PRODUCTION VIDEO DE GROUPE EN COLLABORATION**
[72] LEWIS, JEFFREY S., US
[72] FIESTHUMEL, ROBERT J., US
[72] DEINES, MARNA, US
[72] DOKTER, JAY D., US
[73] EDUPRESENT LLC, US
[85] 2016-11-15
[86] 2015-02-04 (PCT/US2015/014493)
[87] (WO2015/120072)
[30] US (14/174,127) 2014-02-06

[11] **2,949,247**

[13] C

- [51] **Int.Cl. B65D 21/02 (2006.01) A61J 1/14 (2006.01) B65D 25/00 (2006.01) B65D 25/38 (2006.01)**
[25] EN
[54] **PHASE-CHANGE ACCOMMODATING RIGID FLUID CONTAINER WITH MANIPULATING ASSISTING RECESSES**
[54] **CONTENANT DE FLUIDE RIGIDE ADAPTE AUX CHANGEMENTS DE PHASE AVEC DES EVIDEMENTS D'ASSISTANCE DE MANIPULATION**
[72] TRESSO, RICCARDO J., US
[72] CARTER, BART, US
[72] EICKHOFF, SCOTT, US
[72] LLAMAS, ALEJANDRO, US
[72] DAVIDSON, JASON, US
[72] JACK, CRAIG, US
[72] PETRICH, MARK A., US
[72] MCFEATERS, SCOTT, US
[72] FLAMMINO, ANTHONY, US
[72] ELLIOTT, DAN, US
[72] JOHNSON, JEFF, US
[73] RMB PRODUCTS, INC., US
[85] 2016-11-15
[86] 2015-06-11 (PCT/US2015/035377)
[87] (WO2015/191885)
[30] US (62/010,681) 2014-06-11

[11] **2,951,346**

[13] C

- [51] **Int.Cl. A23G 3/44 (2006.01) A23L 29/281 (2016.01) A23P 10/20 (2016.01) A23J 1/02 (2006.01) A23J 3/06 (2006.01)**
[25] EN
[54] **COMPOSITION IN THE FORM OF COMPACTED PARTICLES AND USE THEREOF**
[54] **COMPOSITION SOUS FORME DE PARTICULES COMPACTEES ET SON UTILISATION**
[72] DICK, EBERHARD, DE
[72] GOTTLING, SONJA, DE
[72] WIRTH, SIGRID, DE
[72] BEISEL, JENS, DE
[73] GELITA AG, DE
[85] 2016-12-06
[86] 2015-06-16 (PCT/EP2015/063456)
[87] (WO2015/193300)
[30] DE (10 2014 108 502.7) 2014-06-17

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[11] **2,953,371**
[13] C

[51] **Int.Cl. A61K 47/64 (2017.01) A61K 9/14 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TARGETED CONJUGATES AND PARTICLES AND FORMULATIONS THEREOF**
[54] **CONJUGUES CIBLES, PARTICULES ET PREPARATIONS ASSOCIEES**
[72] ALARGOVA, ROSSITZA G., US
[72] BILODEAU, MARK T., US
[72] DUNBAR, CRAIG A., US
[72] KADIYALA, SUDHAKAR, US
[72] SHINDE, RAJESH R., US
[72] LIM SOO, PATRICK, US
[72] SWERYDA-KRAWIEC, BEATA, US
[72] WHITE, BRIAN H., US
[72] BAZINET, PATRICK ROSAIRE, US
[72] WOOSTER, RICHARD, US
[73] TARVEDA THERAPEUTICS, INC., US
[85] 2016-12-21
[86] 2015-06-30 (PCT/US2015/038569)
[87] (WO2016/004048)
[30] US (62/019,001) 2014-06-30
[30] US (62/077,487) 2014-11-10
[30] US (62/150,413) 2015-04-21

[11] **2,954,431**
[13] C

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/073 (2010.01) C12N 5/0735 (2010.01)**
[25] EN
[54] **DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS TO PANCREATIC CELLS**
[54] **DIFFERENCIATION DE CELLULES SOUCHES EMBRYONNAIRES HUMAINES EN CELLULES PANCREATIQUES**
[72] REZANIA, ALIREZA, US
[73] LIFESCAN, INC., US
[86] (2954431)
[87] (2954431)
[22] 2008-11-25
[62] 2,706,560
[30] US (60/990,529) 2007-11-27

[11] **2,954,629**
[13] C

[51] **Int.Cl. G02B 6/46 (2006.01)**
[25] EN
[54] **MODULAR OPTICAL FIBER DISTRIBUTION HUB WITH MULTI-ROW SPLITTER MODULE MOUNTING STRUCTURE**
[54] **CONCENTRATEUR DE DISTRIBUTION DE FIBRE OPTIQUE MODULAIRE DOTE D'UNE STRUCTURE DE MONTAGE DE MODULES REPARTITEURS A PLUSIEURS RANGEES**
[72] MONTALVO URBANO, ADRIANA, MX
[72] SANCHEZ GARCIA, SERGIO, MX
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
[85] 2017-01-09
[86] 2015-07-07 (PCT/US2015/039340)
[87] (WO2016/007483)
[30] US (62/022,406) 2014-07-09

[11] **2,956,292**
[13] C

[51] **Int.Cl. C12M 1/33 (2006.01)**
[25] EN
[54] **AN INTEGRATED DEVICE FOR HOMOGENIZATION AND CELL DISRUPTION FEATURING A PRESSURIZED CYLINDER IN LINE WITH DUAL HOMOGENIZERS**
[54] **UN DISPOSITIF INTEGRE D'HOMOGENEISATION ET DE PERTURBATION DE CELLULE COMPORTANT UN CYLINDRE SOUS PRESSION EN LIGNE AVEC DEUX HOMOGENEISEURS**
[72] YU, XINGWEN, CN
[72] YU, QIAN, CN
[73] GUANGZHOU JUNENG NANO&BIO TECHNOLOGY CO., LTD, CN
[85] 2017-01-25
[86] 2015-03-31 (PCT/CN2015/075448)
[87] (WO2016/037483)
[30] CN (201410460631.1) 2014-09-11

[11] **2,957,720**
[13] C

[51] **Int.Cl. A61B 17/16 (2006.01) B23B 51/00 (2006.01)**
[25] EN
[54] **SURGICAL BUR WITH A SINGLE CUTTING FLUTE**
[54] **FRAISE CHIRURGICALE COMPRENANT UNE CANNELURE DE COUPE UNIQUE**
[72] HUGHES, SINEAD, K., ID
[72] O'SULLIVAN, DENIS, IE
[73] STRYKER EUROPEAN HOLDINGS I, LLC, US
[85] 2017-02-08
[86] 2015-08-13 (PCT/US2015/045044)
[87] (WO2016/025705)
[30] US (62/037,231) 2014-08-14

[11] **2,958,596**
[13] C

[51] **Int.Cl. A01F 15/08 (2006.01) A01F 15/04 (2006.01)**
[25] EN
[54] **BALER WITH AUTOMATED POSITIONING OF PLUNGER**
[54] **PRESSE A BALLE A POSITIONNEMENT AUTOMATIQUE DU PISTON**
[72] RETZLAFF, LAWRENCE, US
[72] WAGGONER, ROBERT, US
[72] TACKE, KEVIN, US
[73] AGCO CORPORATION, US
[85] 2017-02-17
[86] 2015-09-03 (PCT/US2015/048217)
[87] (WO2016/036894)
[30] US (62/045,311) 2014-09-03

[11] **2,959,374**
[13] C

[51] **Int.Cl. B23K 9/095 (2006.01) A61F 9/06 (2006.01) B23K 9/10 (2006.01) B23K 9/32 (2006.01)**
[25] EN
[54] **WELDING-TYPE SYSEMS AND A METHOD WITH A HELMET AND A REMOTE POWER SUPPLY PARAMETER ADJUSTMENT**
[54] **SYSTEME ET METHODE DE SOUDAGE COMPORANT UN CASQUE ET LA MODIFICATION DEPARAMETRE D'UNE SOURCE D'ALIMENTATION A DISTANCE**
[72] DENIS, MARC LEE, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2017-02-24
[86] 2015-07-24 (PCT/US2015/042034)
[87] (WO2016/060724)
[30] US (14/516,333) 2014-10-16

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[11] **2,960,068**
[13] C

[51] **Int.Cl. F42D 1/05 (2006.01) F42D 1/055 (2006.01) F42D 5/00 (2006.01)**

[25] EN

[54] **ELECTRONIC DETONATOR LEAKAGE CURRENT RESTRICTION**

[54] **LIMITATION DE COURANT DE FUITE DE DETONATEUR ELECTRONIQUE**

[72] SCHLENTER, CRAIG CHARLES, ZA

[73] DETNET SOUTH AFRICA (PTY) LTD, ZA

[85] 2017-03-02

[86] 2015-09-01 (PCT/ZA2015/000057)

[87] (WO2016/037196)

[30] ZA (2014/06453) 2014-09-03

[11] **2,960,119**
[13] C

[51] **Int.Cl. G01F 1/84 (2006.01) G01F 15/02 (2006.01)**

[25] EN

[54] **DIFFERENTIAL FLOWMETER TOOL**

[54] **OUTIL DE DEBITMETRE DIFFERENTIEL**

[72] ZIMMER, PATRICK JOHN, US

[72] JONES, STEVEN M., US

[73] MICRO MOTION, INC., US

[85] 2017-03-03

[86] 2014-09-04 (PCT/US2014/054120)

[87] (WO2016/036375)

[11] **2,960,288**
[13] C

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/154 (2006.01) A61B 5/155 (2006.01) A61L 29/08 (2006.01)**

[25] EN

[54] **BLOOD SAMPLING SYSTEM FOR IMPROVING DRAW SUCCESS AND REDUCING HEMOLYSIS**

[54] **SYSTEME DE PRELEVEMENT SANGUIN PERMETTANT D'AMELIORER LA REUSSITE DU PRELEVEMENT ET DE REDUIRE L'HEMOLYSE**

[72] BURKHOLZ, JONATHAN KARL, US

[72] MCKINNON, AUSTIN JASON, US

[72] ADAMS, CHAD M., US

[73] BECTON, DICKINSON AND COMPANY, US

[85] 2017-03-03

[86] 2015-09-10 (PCT/US2015/049473)

[87] (WO2016/040668)

[30] US (14/483,780) 2014-09-11

[11] **2,960,546**
[13] C

[51] **Int.Cl. B65B 43/26 (2006.01) B65B 1/32 (2006.01) B65B 1/46 (2006.01) B65B 43/14 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR FILLING OPEN BAGS**

[54] **DISPOSITIF ET PROCEDE DE REMPLISSAGE DE SACS OUVERTS**

[72] VOLLENKEMPER, WILLI, DE

[72] SCHUTTE, VOLKER, DE

[72] SCHWAKENBERG, MARTIN, DE

[73] HAVER & BOECKER OHG, DE

[85] 2017-03-08

[86] 2015-09-24 (PCT/EP2015/071942)

[87] (WO2016/046302)

[30] DE (102014113859.7) 2014-09-24

[11] **2,960,560**
[13] C

[51] **Int.Cl. B65B 1/32 (2006.01) B65B 1/46 (2006.01) B65B 43/50 (2006.01) B65B 43/60 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR PACKAGING FLOWABLE MATERIALS**

[54] **DISPOSITIF ET PROCEDE DE REMPLISSAGE DE MATERIAUX COULANTS**

[72] VOLLENKEMPER, WILLI, DE

[72] WESTARP, CHRISTIAN, DE

[73] HAVER & BOECKER OHG, DE

[85] 2017-03-08

[86] 2015-09-24 (PCT/EP2015/071965)

[87] (WO2016/046312)

[30] DE (10 2014 113 864.3) 2014-09-24

[11] **2,960,734**
[13] C

[51] **Int.Cl. A61K 39/39 (2006.01) A61K 39/108 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **ADJUVANTS CONTAINING SAPONINS, STEROLS AND QUATERNARY AMINES**

[54] **ADJUVANTS RENFERMANT DES SAPONINES, DES STEROLS ET DES AMINES QUATERNAIRES**

[72] BAGI, CEDO MARTIN, US

[72] CHILDERS, TEDD ALAN, US

[72] DOMINOWSKI, PAUL JOSEPH, US

[72] KREBS, RICHARD LEE, US

[72] MANNAN, RAMASAMY MANNAR, US

[72] OLSEN, MARY KATHRYN, US

[72] THOMPSON, JAMES RICHARD, US

[72] WEERATNA, RISINI DHAMMIKA, CA

[72] YANCEY, ROBERT JOHN, JR., US

[72] ZHANG, SHUCHENG, US

[72] MEDIRATTA, SANGITA, US

[73] ZOETIS SERVICES LLC, US

[86] (2960734)

[87] (2960734)

[22] 2009-06-24

[62] 2,723,786

[30] US (61/076,232) 2008-06-27

[30] US (61/214,557) 2009-04-24

[11] **2,960,773**
[13] C

[51] **Int.Cl. A01G 7/00 (2006.01) B05B 7/24 (2006.01)**

[25] EN

[54] **APPARATUS FOR PREPARING AND APPLYING A FOLIAR SPRAY**

[54] **APPAREIL DE PREPARATION ET D'APPLICATION DE PULVERISATION FOLIAIRE**

[72] WHITEHEAD, CHARLES STEPHEN, ZA

[73] UNIVERSITY OF JOHANNESBURG, ZA

[85] 2017-03-09

[86] 2015-09-12 (PCT/IB2015/057007)

[87] (WO2016/038588)

[30] ZA (2014/06720) 2014-09-12

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[11] **2,960,934**
[13] C

[51] **Int.Cl. A61K 47/18 (2017.01) A61K 9/127 (2006.01) A61K 47/24 (2006.01) A61K 47/28 (2006.01)**

[25] EN

[54] **STABLE FORMULATIONS OF LIPIDS AND LIPOSOMES**

[54] **FORMULATIONS STABLES DE LIPIDES ET DE LIPOSOMES**

[72] HAAS, HEINRICH, DE

[72] ESPARZA BORQUEZ, ISAAC HERNAN, DE

[73] BIONTECH RNA PHARMACEUTICALS GMBH, DE

[85] 2017-03-13

[86] 2015-09-17 (PCT/EP2015/071344)

[87] (WO2016/046060)

[30] EP (PCT/EP2014/070503) 2014-09-25

[11] **2,962,801**
[13] C

[51] **Int.Cl. B62D 55/108 (2006.01)**

[25] EN

[54] **TRACK SYSTEM HAVING LOW VIBRATIONS**

[54] **SYSTEME DE CHENILLE A FAIBLES VIBRATIONS**

[72] PELLERIN, JONATHAN, CA

[72] NANAC, BRANISLAV, CA

[72] LAFRENIERE, PASCAL, CA

[72] MARTEL, FREDERIK, CA

[72] SAUVAGEAU, YVES, CA

[73] SOUCY INTERNATIONAL INC., CA

[85] 2017-03-28

[86] 2015-09-29 (PCT/CA2015/050978)

[87] (WO2016/049760)

[30] US (62/057,110) 2014-09-29

[30] US (62/146,140) 2015-04-10

[30] US (62/146,113) 2015-04-10

[11] **2,962,854**
[13] C

[51] **Int.Cl. F16H 37/12 (2006.01) F16H 19/04 (2006.01) F16H 21/42 (2006.01) F16H 29/02 (2006.01) F16H 29/12 (2006.01)**

[25] EN

[54] **CONTINUOUS VARIABLE TRANSMISSION WITH UNIFORM INPUT-TO-OUTPUT RATIO THAT IS NON-DEPENDENT ON FRICTION**

[54] **TRANSMISSION A VARIATION CONTINUE AVEC RAPPORT D'ENTREE A SORTIE UNIFORME QUI N'EST PAS DEPENDANT DU FROTTEMENT**

[72] RAJENDRAN, RAJA RAMANUJAM, US

[72] RAJENDRAN, PRASHANTH, US

[73] RAJENDRAN, RAJA RAMANUJAM, US

[73] RAJENDRAN, PRASHANTH, US

[85] 2017-02-24

[86] 2014-03-18 (PCT/US2014/031136)

[87] (WO2015/142323)

[11] **2,962,900**
[13] C

[51] **Int.Cl. A61K 9/107 (2006.01) A23L 29/10 (2016.01) A23L 33/10 (2016.01) A61P 3/02 (2006.01) B01F 3/08 (2006.01)**

[25] EN

[54] **NON-SYNTHETIC EMULSION-BASED LIPID FORMULATIONS AND METHODS OF USE**

[54] **FORMULATIONS LIPIDIQUES A BASE D'EMULSION NON-SYNTHETIQUES ET PROCEDES D'UTILISATION**

[72] TAN, BARRIE, US

[73] TAN, BARRIE, US

[85] 2017-03-24

[86] 2015-09-25 (PCT/US2015/052457)

[87] (WO2016/053809)

[30] US (62/056,685) 2014-09-29

[11] **2,963,351**
[13] C

[51] **Int.Cl. G01N 27/416 (2006.01) G01N 27/403 (2006.01)**

[25] EN

[54] **ELECTRODE ARRANGEMENTS FOR ELECTROCHEMICAL TEST ELEMENTS AND METHODS OF USE THEREOF**

[54] **AGENCEMENTS D'ELECTRODES DESTINES A DES ELEMENTS D'ESSAI ELECTROCHIMIQUE, ET LEURS PROCEDES D'UTILISATION**

[72] BEATY, TERRY, US

[72] BUCK, HARVEY, US

[72] DIEBOLD, ERIC, US

[72] GERBER, MARTIN, US

[73] F. HOFFMANN-LA ROCHE AG, CH

[85] 2017-03-30

[86] 2015-11-03 (PCT/US2015/058705)

[87] (WO2016/073395)

[30] US (62/074,352) 2014-11-03

[11] **2,963,475**
[13] C

[51] **Int.Cl. E01D 19/12 (2006.01)**

[25] EN

[54] **COMPOSITE STRUCTURAL PANEL AND METHOD OF FABRICATION**

[54] **PANNEAU STRUCTURAL COMPOSITE ET SON PROCEDE DE FABRICATION**

[72] LEWIT, SCOTT, US

[72] REICHARD, RONNAL, US

[73] COMPOSITES INTELLECTUAL HOLDINGS, INC., US

[85] 2017-03-31

[86] 2015-10-02 (PCT/US2015/053885)

[87] (WO2016/054607)

[30] US (62/059,143) 2014-10-02

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[11] **2,963,724**
[13] C

[51] **Int.Cl. A61K 31/7024 (2006.01) A61K 39/39 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 31/18 (2006.01) A61P 33/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07H 11/04 (2006.01) C12Q 1/00 (2006.01) G01N 33/48 (2006.01)**

[25] EN
[54] **METHODS OF MODULATING IMMUNE SYSTEM RESPONSES**
[54] **PROCEDES DE MODULATION DES REPONSES DU SYSTEME IMMUNITAIRE**

[72] GRAY-OWEN, SCOTT, CA
[72] GAUDET, RYAN, CA
[72] MALOTT, REBECCA, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2017-04-05
[86] 2015-10-09 (PCT/CA2015/051026)
[87] (WO2016/054745)
[30] US (62/062,413) 2014-10-10

[11] **2,963,975**
[13] C

[51] **Int.Cl. H05K 3/46 (2006.01) H02J 50/10 (2016.01) B32B 7/025 (2019.01) A47B 77/08 (2006.01) A47B 96/20 (2006.01) A47B 97/00 (2006.01) B32B 3/08 (2006.01) B32B 27/04 (2006.01) B32B 27/18 (2006.01) H05K 1/02 (2006.01)**

[25] EN
[54] **DECORATIVE MULTI-LAYER SURFACING MATERIALS HAVING EMBEDDED CONDUCTIVE MATERIALS, SOLID SURFACES MADE THEREWITH, METHODS FOR MAKING SUCH SURFACING MATERIALS AND USES THEREFOR**

[54] **MATERIAUX DE SURFACAGE MULTICOUCHES DECORATIFS DANS LESQUELS SONT INCORPORES DES MATERIAUX CONDUCTEURS, SURFACES SOLIDES AINSI CONSTITUEES, PROCEDES DE FABRICATION DE TELS MATERIAUX DE SURFACAGE ET LEURS USAGES**

[72] O'BRIEN, KEVIN FRANCIS, US
[72] COLE, BRYCE LAMAR, US
[72] KRAMER, ROBERT JACOB, US
[73] THE DILLER CORPORATION, US
[85] 2017-04-06
[86] 2015-10-13 (PCT/US2015/055329)
[87] (WO2016/058003)
[30] US (62/062,615) 2014-10-10

[11] **2,964,618**
[13] C

[51] **Int.Cl. F16K 3/314 (2006.01) F16K 3/22 (2006.01) F16K 5/06 (2006.01) F16K 5/08 (2006.01)**

[25] EN
[54] **PRESSURE ASSISTED CONNECTION FOR A VALVE SHAFT**

[54] **RACCORD ASSISTE PAR PRESSION DESTINE A UNE TIGE DE SOUPAPE**

[72] ROBINSON, CAM B., CA
[72] DALE, CURTIS, CA
[73] DYNA-FLO CONTROL VALVE SERVICES LTD., CA
[86] (2964618)
[87] (2964618)
[22] 2017-04-20

[11] **2,965,472**
[13] C

[51] **Int.Cl. C07D 413/04 (2006.01) A61K 31/4184 (2006.01) A61K 31/423 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) C07C 65/40 (2006.01) C07D 213/60 (2006.01) C07D 235/20 (2006.01) C07D 307/68 (2006.01) C07D 401/04 (2006.01)**

[25] EN
[54] **LANTHIONINE SYNTHETASE C-LIKE 2-BASED THERAPEUTICS**
[54] **AGENTS THERAPEUTIQUES A BASE DE LANCL2**

[72] BASSAGANYA-RIERA, JOSEP, US
[72] CARBO BARRIOS, ADRIA, US
[72] GANDOUR, RICHARD, US
[72] COOPER, JULIAN D., US
[72] HONTECILLAS, RAQUEL, US
[73] LANDOS BIOPHARMA, INC., US
[85] 2017-04-21
[86] 2015-03-19 (PCT/US2015/021417)
[87] (WO2016/064445)
[30] US (62/068,322) 2014-10-24
[30] US (62/101,164) 2015-01-08

[11] **2,965,601**
[13] C

[51] **Int.Cl. B65G 17/40 (2006.01) B65G 1/00 (2006.01)**

[25] EN
[54] **ROTATING VERTICAL STORAGE SYSTEM FOR BARRELS**
[54] **SYSTEME DE STOCKAGE VERTICAL ROTATIF POUR BARILS**

[72] O'CONNELL, BRIAN, US
[73] O'CONNELL, BRIAN, US
[85] 2017-04-24
[86] 2015-12-03 (PCT/IB2015/059307)
[87] (WO2016/088070)
[30] US (62/087,737) 2014-12-04
[30] US (62/116,465) 2015-02-15
[30] US (62/161,931) 2015-05-15
[30] US (62/196,610) 2015-07-24

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[11] **2,966,221**
[13] C

[51] **Int.Cl. A61B 5/00 (2006.01) G16H 50/20 (2018.01) A61G 5/10 (2006.01) A61G 7/057 (2006.01)**

[25] EN

[54] **WIRELESS PRESSURE ULCER ALERT METHODS AND SYSTEMS THEREFOR**

[54] **PROCEDES D'ALERTE SANS FIL ANTI-ESCARRES ET SYSTEMES ASSOCIES**

[72] DRENNAN, DENIS BURKE, US

[73] WALGREEN HEALTH SOLUTIONS, LLC, US

[85] 2017-04-27

[86] 2015-11-10 (PCT/US2015/059896)

[87] (WO2016/077310)

[30] US (62/077,393) 2014-11-10

[30] US (14/936,596) 2015-11-09

[11] **2,966,692**
[13] C

[51] **Int.Cl. B29C 73/02 (2006.01) B29C 73/24 (2006.01) C03C 8/24 (2006.01) C03C 17/30 (2006.01) C03C 17/34 (2006.01)**

[25] EN

[54] **CONDITIONING AGENT PREPARATION FOR GLAZING PANELS**

[54] **PREPARATION D'AGENT DE CONDITIONNEMENT DE PANNEAUX DE VITRAGE**

[72] SYFKO, PAUL, US

[73] BELRON INTERNATIONAL LIMITED, GB

[73] BELRON HUNGARY KFT - ZUG BRANCH, CH

[86] (2966692)

[87] (2966692)

[22] 2010-11-09

[62] 2,779,981

[30] GB (GB919975.3) 2009-11-16

[11] **2,967,221**
[13] C

[51] **Int.Cl. B64C 11/28 (2006.01) B64C 27/08 (2006.01) B64C 27/26 (2006.01) B64C 27/30 (2006.01) B64C 29/02 (2006.01) B64C 39/02 (2006.01) B64C 39/06 (2006.01)**

[25] EN

[54] **FORWARD FOLDING ROTOR BLADES**

[54] **PALES DE ROTOR PLIANT VERS L'AVANT**

[72] FENNY, CARLOS ALEXANDER, US

[72] OLSON, ROHN LEE, US

[72] ZAHASKY, ANDREW JAMES, US

[73] BELL HELICOPTER TEXTRON INC., US

[86] (2967221)

[87] (2967221)

[22] 2017-05-11

[30] US (62/336,432) 2016-05-13

[11] **2,968,855**
[13] C

[51] **Int.Cl. G11B 27/00 (2006.01)**

[25] EN

[54] **FILLER DETECTION DURING TRICKPLAY**

[54] **DETECTION DE REMPLISSAGE PENDANT UNE LECTURE SPECIALE**

[72] ACHARYA, BELMANNU HAREKRISHNA, IN

[72] SINGH, VIRENDRA, IN

[72] ARUNKUMAR, LAKSHMI, IN

[72] SOUNDARARAJAN, ARAVIND, IN

[72] SASTRY, SISTA SARADA, IN

[73] ARRIS ENTERPRISES LLC, US

[85] 2017-05-24

[86] 2015-11-25 (PCT/US2015/062613)

[87] (WO2016/086100)

[30] IN (1235/KOL/2014) 2014-11-25

[30] IN (1235/KOL/2014) 2015-11-24

[11] **2,971,717**
[13] C

[51] **Int.Cl. F21V 29/70 (2015.01) H01L 33/64 (2010.01) F21V 29/503 (2015.01) F21K 9/00 (2016.01) F21L 4/00 (2006.01)**

[25] EN

[54] **IMPROVED EFFICIENCY LIGHTING APPARATUS WITH LED DIRECTLY MOUNTED TO A HEATSINK**

[54] **APPAREIL D'ECLAIRAGE A EFFICACITE AMELIOREE POURVU D'UNE DEL MONTEE DIRECTEMENT SUR UN DISSIPATEUR THERMIQUE**

[72] MAGLICA, ANTHONY, US

[73] MAG INSTRUMENT INC., US

[85] 2017-06-20

[86] 2015-12-16 (PCT/US2015/066201)

[87] (WO2016/106053)

[30] US (62/095,733) 2014-12-22

[11] **2,972,663**
[13] C

[51] **Int.Cl. B07B 1/46 (2006.01)**

[25] EN

[54] **SCREEN ASSEMBLY FOR A VIBRATING SCREENING MACHINE**

[54] **ENSEMBLE TAMIS POUR MACHINE DE TAMISAGE VIBRANTE**

[72] MARSHALL, DALE R., CA

[72] POMERLEAU, DAN, CA

[73] FP CANMECHANICA, INC., CA

[85] 2017-06-29

[86] 2015-12-23 (PCT/CA2015/051372)

[87] (WO2016/106450)

[30] US (62/098,529) 2014-12-31

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[11] **2,973,415**
[13] C

[51] **Int.Cl. H04N 5/76 (2006.01) H04N 21/231 (2011.01) H04N 21/472 (2011.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR RECORDING AND BROADCASTING OF NETWORK TEACHING**

[54] **PROCEDE ET SYSTEME D'ENREGISTREMENT ET DE LECTURE D'INSTRUCTIONS BASEES SUR LE WEB**

[72] CHEN, KENGFAN, CN

[72] LIU, JIA, CN

[73] SHENZHEN EAGLESOUL TECHNOLOGY CO., LTD., CN

[85] 2017-07-10

[86] 2015-12-25 (PCT/CN2015/099055)

[87] (WO2017/063287)

[30] CN (201510664607.4) 2015-10-15

[11] **2,973,939**
[13] C

[51] **Int.Cl. A61L 27/36 (2006.01) C12N 5/07 (2010.01)**

[25] EN

[54] **DETOXIFICATION AND STABILIZATION OF IMPLANTABLE OR TRANSPLANTABLE BIOLOGICAL MATERIAL**

[54] **DETOXICATION ET STABILISATION DE MATERIAU BIOLOGIQUE IMPLANTABLE OU TRANSPLANTABLE**

[72] BESTER, DREYER, ZA

[72] SMIT, FRANCIS EDWIN, ZA

[72] VAN DEN HEEVER, JOHANNES, ZA

[72] BOTES, LEZELLE, ZA

[72] DOHMEN, PASCAL MARIA CHRIS EUGENE, DE

[73] UNIVERSITY OF THE FREE STATE, ZA

[85] 2017-07-14

[86] 2016-01-22 (PCT/IB2016/050320)

[87] (WO2016/116895)

[30] ZA (2015/00478) 2015-01-22

[11] **2,975,134**
[13] C

[51] **Int.Cl. A62C 35/02 (2006.01)**

[25] EN

[54] **EXPULSION OF A FIRE SUPPRESSANT FROM A CONTAINER**

[54] **EXPULSION D'UN AGENT EXTINCTEUR D'UN CONTENANT**

[72] WRIGHT, ROBERT S., US

[73] THE BOEING COMPANY, US

[86] (2975134)

[87] (2975134)

[22] 2017-08-01

[30] US (15/258,726) 2016-09-07

[11] **2,975,223**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) A61K 47/54 (2017.01) C12Q 1/6809 (2018.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61P 35/00 (2006.01) C12N 15/11 (2006.01) G01N 33/48 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR MONITORING, DIAGNOSIS, PROGNOSIS, DETECTION, AND TREATMENT OF CANCER**

[54] **COMPOSITIONS ET METHODES POUR LA SURVEILLANCE, LE DIAGNOSTIC, LE PRONOSTIC, LA DETECTION ET LE TRAITEMENT DU CANCER**

[72] SHRIVASTAVA, SHIVANI, US

[73] GLAX LLC, US

[85] 2017-07-27

[86] 2016-02-01 (PCT/IB2016/050495)

[87] (WO2016/120853)

[30] US (62/110,153) 2015-01-30

[11] **2,975,702**
[13] C

[51] **Int.Cl. A23L 3/3472 (2006.01) A01N 65/08 (2009.01) A01N 65/22 (2009.01) A23L 33/105 (2016.01) A01N 43/90 (2006.01) A01P 1/00 (2006.01) A23B 4/18 (2006.01) A23B 4/20 (2006.01) A23L 3/3508 (2006.01) A23L 3/3544 (2006.01) A23L 3/3562 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL COMPOSITIONS**

[54] **COMPOSITIONS ANTIMICROBIENNES**

[72] HEUDRE, MELANIE MARIE-PAULE PATRICIA, FR

[72] BIRTIC, SIMONA, FR

[72] PIERRE, FRANCOIS-XAVIER HENRI, FR

[72] MESNIER, XAVIER PIERRE FRANCOIS, GB

[72] PASSEMARD, ANNE, FR

[72] BILY, ANTOINE CHARLES, FR

[72] ROLLER, MARC, FR

[73] NATUREX SA, FR

[85] 2017-08-02

[86] 2016-02-08 (PCT/IB2016/000178)

[87] (WO2016/125015)

[30] US (14/615,968) 2015-02-06

[11] **2,977,318**
[13] C

[51] **Int.Cl. C12Q 1/6897 (2018.01) C12Q 1/00 (2006.01) C12Q 1/66 (2006.01) C12Q 1/68 (2018.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01)**

[25] FR

[54] **NON-RADIOACTIVE METHOD FOR DETERMINING THE CYTOLYTIC ACTIVITY OF AN AGENT WITH RESPECT TO TARGET CELLS, USE THEREOF AND ASSOCIATED KIT**

[54] **PROCEDE NON RADIOACTIF DE DETERMINATION DE L'ACTION CYTOLYTIQUE D'UN AGENT VIS-A-VIS DE CELLULES CIBLES, SON UTILISATION ET KIT ASSOCIE**

[72] BONNAUDET, VERONIQUE, FR

[72] BRETAUDEAU, LAURENT, FR

[72] ROSSIGNOL, ALEXIS, FR

[73] CLEAN CELLS, FR

[85] 2017-08-21

[86] 2016-03-01 (PCT/FR2016/050458)

[87] (WO2016/139415)

[30] FR (1551835) 2015-03-05

[30] FR (1557175) 2015-07-28

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[11] **2,977,990**
[13] C

[51] **Int.Cl. G05B 19/042 (2006.01) H04W 4/40 (2018.01) H05B 47/10 (2020.01) A61B 5/024 (2006.01) B60R 16/02 (2006.01) G02F 1/167 (2019.01) G05D 25/02 (2006.01) G08B 21/02 (2006.01) G08C 17/02 (2006.01) G08B 13/22 (2006.01)**

[25] EN

[54] **CONTROL SYSTEM FOR SPD DEVICE AND HOME AUTOMATION**

[54] **SYSTEME DE COMMANDE POUR DISPOSITIF DE DETECTION DE PRESENCE DE SIGNAL ET SYSTEME DOMOTIQUE**

[72] HARARY, JOSEPH M., US

[72] VAN VOORHEES, SETH, US

[72] SLOVAK, STEVEN M., US

[73] RESEARCH FRONTIERS INCORPORATED, US

[85] 2017-08-25

[86] 2016-02-29 (PCT/US2016/020016)

[87] (WO2016/138511)

[30] US (62/126,084) 2015-02-27

[30] US (15/054,826) 2016-02-26

[11] **2,978,376**
[13] C

[51] **Int.Cl. A47C 20/08 (2006.01) A47C 17/04 (2006.01) A47C 20/04 (2006.01) A61G 7/015 (2006.01)**

[25] EN

[54] **ADJUSTABLE BED**

[54] **LIT REGLABLE**

[72] BROWN, PAUL, GB

[73] MOTUS MECHANICS LIMITED, GB

[85] 2017-08-31

[86] 2016-03-11 (PCT/EP2016/055381)

[87] (WO2016/142547)

[30] GB (1504140.3) 2015-03-11

[11] **2,978,489**
[13] C

[51] **Int.Cl. H04B 7/06 (2006.01)**

[25] EN

[54] **BEAM FORMING USING AN ANTENNA ARRANGEMENT**

[54] **FORMATION DE FAISCEAU AU MOYEN D'UN AGENCEMENT D'ANTENNES**

[72] ATHLEY, FREDRIK, SE

[72] PETERSSON, SVEN, SE

[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE

[85] 2017-09-01

[86] 2015-03-06 (PCT/EP2015/054783)

[87] (WO2016/141961)

[11] **2,980,358**
[13] C

[51] **Int.Cl. E21B 34/14 (2006.01) E21B 33/14 (2006.01) E21B 34/06 (2006.01)**

[25] EN

[54] **HYDRAULIC PORT COLLAR**

[54] **COLLIER D'OUVERTURE HYDRAULIQUE**

[72] BOWERSOCK, JUSTIN, US

[72] GARCIA, LUIS, US

[73] TAM INTERNATIONAL, INC., US

[85] 2017-09-25

[86] 2017-09-22 (PCT/US2017/053056)

[87] (WO2018/057958)

[30] US (62/399,062) 2016-09-23

[11] **2,982,271**
[13] C

[51] **Int.Cl. B60S 1/46 (2006.01)**

[25] EN

[54] **INTEGRATED AUTOMOTIVE SYSTEM, COMPACT, LOW-PROFILE NOZZLE ASSEMBLY AND COMPACT FLUIDIC CIRCUIT FOR CLEANING A WIDE-ANGLE IMAGE SENSOR'S EXTERIOR SURFACE**

[54] **SYSTEME AUTOMOBILE INTEGRE, ENSEMBLE BUSE COMPACT, A PROFIL BAS, ET CIRCUIT FLUIDIQUE COMPACT POUR LE NETTOYAGE D'UNE SURFACE EXTERIEURE D'UN CAPTEUR D'IMAGE GRAND-ANGLE**

[72] HESTER, RUSSELL, US

[72] ZHAO, CHUNLING, US

[72] WATKINS, NICHOLAS BRYCE, US

[72] PAI, PRAVEEN, US

[73] DLHBOWLES, INC., US

[85] 2017-10-10

[86] 2015-04-11 (PCT/US2015/025489)

[87] (WO2015/157744)

[30] US (61/978,775) 2014-04-11

[11] **2,982,678**
[13] C

[51] **Int.Cl. F16L 57/00 (2006.01)**

[25] EN

[54] **MASKING PLUG FOR PROTECTING A SURFACE DURING A FINISHING OPERATION AND METHOD**

[54] **PRISE MASQUANTE DESTINEE A PROTEGER UNE SURFACE PENDANT UNE OPERATION DE FINITION ET METHODE**

[72] ASIK, HENRY, US

[72] ASIK, BRIAN, US

[73] CUSTOM FABRICATING & SUPPLIES, US

[86] (2982678)

[87] (2982678)

[22] 2017-10-17

[30] US (15/402,692) 2017-01-10

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[11] **2,984,974**
[13] C

[51] **Int.Cl. C07D 307/93 (2006.01) A61K 31/343 (2006.01) A61K 31/38 (2006.01) A61K 31/395 (2006.01) A61P 31/12 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07F 9/655 (2006.01)**

[25] EN

[54] **INDENOINDOLE DERIVATIVES, PHARMACEUTICALLY ACCEPTABLE SALTS OR OPTICAL ISOMERS THEREOF, PREPARATION METHOD FOR SAME, AND PHARMACEUTICAL COMPOSITIONS CONTAINING SAME AS ACTIVE INGREDIENT FOR PREVENTING OR TREATING VIRAL DISEASES**

[54] **DERIVES D'INDENOINDOLE, SELS PHARMACEUTIQUEMENT ACCEPTABLES OU ISOMERES OPTIQUES DE CEUX-CI, LEUR PROCEDE DE PREPARATION ET COMPOSITIONS PHARMACEUTIQUES LES CONTENANT EN TANT QUE PRINCIPE ACTIF POUR LA PREVENTION OU LE TRAITEMENT DE MALADIES VIRALES**

[72] JUNG, YOUNG SIK, KR
[72] LEE, CHONG KGO, KR
[72] KIM, HAE SOO, KR
[72] JEONG, HEE CHUN, KR
[72] KIM, PIL HO, KR
[72] HAN, SOO BONG, KR
[72] NEYTS, JOHAN, KR
[72] THIBAUT, HENDRIK JAN, KR
[72] SHIN, JIN SOO, KR
[73] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR
[73] KATHOLIEKE UNIVERSITEIT LEUVEN K.U. LEUVEN R & D, BE

[86] (2984974)
[87] (2984974)
[22] 2012-06-18
[62] 2,838,703
[30] KR (10-2011-0058705) 2011-06-16
[30] KR (10-2012-0065022) 2012-06-18

[11] **2,985,437**
[13] C

[51] **Int.Cl. A61M 16/04 (2006.01) A61M 16/00 (2006.01) F16B 2/06 (2006.01)**

[25] EN

[54] **AIRWAY-TUBE HOLDER**

[54] **SUPPORT DE TUBE DE VOIE RESPIRATOIRE**

[72] MOLDEN, MATHIAS, NO
[72] PROVO KLUIT, ROBERT, NO
[73] LAERDAL MEDICAL AS, NO

[85] 2017-11-08
[86] 2016-05-20 (PCT/IB2016/052983)
[87] (WO2016/185446)
[30] US (14/718,768) 2015-05-21

[11] **2,985,540**
[13] C

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

[25] EN

[54] **USE OF NUC-1031 IN THE TREATMENT OF CANCER**

[54] **UTILISATION DU NU-1031 DANS LE TRAITEMENT DU CANCER**

[72] GRIFFITH, HUGH, GB
[72] MCGUIGAN, CHRIS, GB
[72] PEPPER, CHRIS, GB
[73] NUCANA PLC, GB

[85] 2017-11-09
[86] 2015-05-14 (PCT/GB2015/051438)
[87] (WO2016/181093)

[11] **2,986,885**
[13] C

[51] **Int.Cl. H01F 1/24 (2006.01) B22F 1/00 (2006.01) B22F 3/02 (2006.01) H01F 27/255 (2006.01) B22F 1/02 (2006.01)**

[25] EN

[54] **POWDER MIXTURE FOR POWDER MAGNETIC CORE, AND POWDER MAGNETIC CORE**

[54] **MELANGE DE POUDRE POUR NOYAU MAGNETIQUE EN POUDRE ET NOYAU MAGNETIQUE EN POUDRE**

[72] MITANI, HIROYUKI, JP
[72] HOJO, HIROFUMI, JP
[72] TANIGUCHI, YUJI, JP
[72] SATO, SATOMI, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP

[85] 2017-11-22
[86] 2016-04-27 (PCT/JP2016/063171)
[87] (WO2016/194525)
[30] JP (2015-113915) 2015-06-04

[11] **2,988,606**
[13] C

[51] **Int.Cl. B65B 25/14 (2006.01) B65B 11/02 (2006.01) B65B 35/10 (2006.01) B65B 61/28 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR PACKAGING COILED MATERIALS**

[54] **APPAREIL ET PROCEDE D'EMBALLAGE DE MATERIAUX EN BOBINE**

[72] QUINONES, VICTOR MANUEL, US
[73] QUINONES, VICTOR MANUEL, US

[85] 2017-12-06
[86] 2016-12-14 (PCT/US2016/066494)
[87] (WO2017/106249)
[30] US (62/269,027) 2015-12-17
[30] US (15/297,091) 2016-10-18

[11] **2,988,877**
[13] C

[51] **Int.Cl. B05B 1/18 (2006.01)**

[25] EN

[54] **SHOWER JET OUTLET DEVICE AND SHOWER DEVICE EQUIPPED THEREWITH**

[54] **DISPOSITIF DE SORTIE DE JET DE DOUCHE ET DISPOSITIF DE DOUCHE EQUIPE DUDIT DISPOSITIF**

[72] BUTZKE, KLAUS, DE
[72] ERATH, STEFFEN, DE
[72] GLUNK, GUNTER, DE
[72] KALMBACH, MARC, DE
[73] HANS GROHE SE, DE

[86] (2988877)
[87] (2988877)
[22] 2017-12-14
[30] DE (10 2016 225 987.3) 2016-12-22

[11] **2,990,208**
[13] C

[51] **Int.Cl. G01M 1/00 (2006.01)**

[25] EN

[54] **IDENTIFYING FALL RISK USING MACHINE LEARNING ALGORITHMS**

[54] **IDENTIFICATION DE RISQUE DE CHUTE UTILISANT DES ALGORITHMES D'APPRENTISSAGE-MACHINE**

[72] FORTH, KATHARINE, US
[72] AIDEN, FREZ LIEBERMAN, US
[73] ZIBRIO, INC., US

[85] 2017-12-19
[86] 2016-06-29 (PCT/US2016/040153)
[87] (WO2017/004240)
[30] US (62/186,366) 2015-06-30

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[11] **2,991,513**
[13] C

[51] **Int.Cl. F21V 21/104 (2006.01) F21S 8/06 (2006.01) F21V 9/00 (2018.01) F21V 17/08 (2006.01) F21V 21/112 (2006.01) F21V 5/00 (2018.01)**

[25] EN

[54] **UPLIGHT SHADOW REDUCTION FOR PENDANT LIGHTING FIXTURES**

[54] **REDUCTION D'OMBRE D'ECLAIRAGE VERTICAL DESTINEE A DES APPAREILS D'ECLAIRAGE SUSPENDUS**

[72] HAWTHORNE, SEAN MICHAEL, US

[72] SIDIROPOULOS, RACHEL LYNN, US

[72] OGG, JEREMY, US

[73] HUBBELL INCORPORATED, US

[86] (2991513)

[87] (2991513)

[22] 2018-01-09

[30] US (62/445,090) 2017-01-11

[30] US (62/500,012) 2017-05-02

[11] **2,993,338**
[13] C

[51] **Int.Cl. A41D 13/012 (2006.01) A41D 13/02 (2006.01) A41D 27/10 (2006.01) B63C 9/087 (2006.01)**

[25] EN

[54] **DRY SUIT**

[54] **COMBINAISON ETANCHE**

[72] BEYELER, PATRICK G., CH

[73] BEYELER, PATRICK G., CH

[85] 2018-01-22

[86] 2016-07-12 (PCT/EP2016/066491)

[87] (WO2017/012910)

[30] CH (01072/15) 2015-07-23

[11] **2,993,854**
[13] C

[51] **Int.Cl. H04W 24/02 (2009.01) H04W 76/25 (2018.01)**

[25] EN

[54] **ELECTRONIC APPARATUS IN WIRELESS COMMUNICATION SYSTEM, AND MOBILITY MEASUREMENT METHOD**

[54] **APPAREIL ELECTRONIQUE DANS UN SYSTEME DE COMMUNICATIONS SANS FIL, ET PROCEDE DE MESURE DE MOBILITE**

[72] QIN, ZHONGBIN, CN

[73] SONY CORPORATION, JP

[86] (2993854)

[87] (2993854)

[22] 2015-06-05

[62] 2,947,780

[30] CN (201410283433.2) 2014-06-23

[11] **2,994,933**
[13] C

[51] **Int.Cl. E21B 43/22 (2006.01) C09K 8/62 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **CARRIER-FREE TREATMENT PARTICULATES FOR USE IN SUBTERRANEAN FORMATIONS**

[54] **PARTICULES DE TRAITEMENT SANS SUPPORT POUR UNE UTILISATION DANS DES FORMATIONS SOUTERRAINES**

[72] WEI, FANG, US

[72] KRISHNAMURTHY, PUSHKALA, US

[72] JIANG, YING CONG, US

[72] ACOSTA, ERICK J., US

[72] STEPHENS, WALTER T., US

[73] MULTI-CHEM GROUP, LLC, US

[85] 2018-02-06

[86] 2015-10-29 (PCT/US2015/058078)

[87] (WO2017/074393)

[11] **2,995,815**
[13] C

[51] **Int.Cl. C12M 1/26 (2006.01) C12M 1/34 (2006.01)**

[25] EN

[54] **HOME EVALUATION OF THE QUALITY OF SEMEN SAMPLES**

[54] **EVALUATION A DOMICILE DE LA QUALITE D'ECHANTILLONS DE SPERME**

[72] SHAFIEE, HADI, US

[73] THE BRIGHAM AND WOMEN'S HOSPITAL, INC, US

[85] 2018-02-15

[86] 2016-06-22 (PCT/US2016/038739)

[87] (WO2016/209943)

[30] US (62/182,666) 2015-06-22

[11] **2,996,577**
[13] C

[51] **Int.Cl. D01D 5/12 (2006.01)**

[25] EN

[54] **DEVICE FOR PRODUCING SPUNBONDS FROM ENDLESS FILAMENTS**

[54] **DISPOSITIF DE PRODUCTION DE LIENS PAR CABLAGE A PARTIR DE FILAMENTS SANS FIN**

[72] FREY, DETLEF, DE

[72] NEUENHOFER, MARTIN, DE

[72] SOMMER, SEBASTIAN, DE

[73] REIFENHAUSER GMBH & CO. KG MASCHINENFABRIK, DE

[86] (2996577)

[87] (2996577)

[22] 2018-02-26

[30] EP (17164368.7) 2017-03-31

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[11] **2,998,635**
[13] C

[51] **Int.Cl. G01N 33/497 (2006.01) G01N 33/483 (2006.01) G01N 33/53 (2006.01) G01N 33/58 (2006.01)**

[25] EN

[54] **DEVICE AND SYSTEM FOR COLLECTING AND ANALYZING VAPOR CONDENSATE, PARTICULARLY EXHALED BREATH CONDENSATE, AS WELL AS METHOD OF USING THE SAME**

[54] **DISPOSITIF ET SYSTEME DE COLLECTE ET D'ANALYSE DE CONDENSAT DE VAPEUR, EN PARTICULIER DE CONDENSAT DE SOUFFLE EXHALE, AINSI QUE SON PROCEDE D'UTILISATION**

[72] CHOU, STEPHEN Y., US

[72] DING, WEI, US

[73] ESSENIX CORPORATION, US

[85] 2018-03-13

[86] 2016-09-14 (PCT/US2016/051794)

[87] (WO2017/048881)

[30] US (62/218,455) 2015-09-14

[30] US (62/293,188) 2016-02-09

[30] US (62/305,123) 2016-03-08

[11] **2,999,995**
[13] C

[51] **Int.Cl. G01N 27/333 (2006.01) G01N 33/50 (2006.01) G01N 33/84 (2006.01)**

[25] EN

[54] **FLUID ANALYZER FOR MEASURING MAGNESIUM IONS AND METHOD OF CALIBRATING POTENTIOMETRIC MAGNESIUM ION SENSOR THEREIN**

[54] **ANALYSEUR DE FLUIDE POUR MESURER DES IONS DE MAGNESIUM ET PROCEDE D'ETALONNAGE DE CAPTEUR POTENTIOMETRIQUE D'IONS DE MAGNESIUM A L'INTERIEUR DE CELUI-CI**

[72] ZHANG, WEI, US

[72] HOLMAN, BRIAN, US

[72] HORAN, KEVIN, US

[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US

[85] 2018-03-26

[86] 2016-09-29 (PCT/US2016/054385)

[87] (WO2017/059037)

[30] US (62/235,006) 2015-09-30

[11] **3,001,262**
[13] C

[51] **Int.Cl. B29C 43/34 (2006.01) B29C 31/04 (2006.01) B29C 43/08 (2006.01) B29C 43/20 (2006.01)**

[25] EN

[54] **AN APPARATUS AND A METHOD FOR PROCESSING DOSES**

[54] **APPAREIL ET PROCEDE POUR LE TRAITEMENT DE DOSES**

[72] PUCCI, FABRIZIO, IT

[72] PARRINELLO, FIORENZO, IT

[73] SACMI COOPERATIVA MECCANICI IMOLA SOCIETA' COOPERATIVA, IT

[85] 2018-04-06

[86] 2016-10-07 (PCT/IB2016/056007)

[87] (WO2017/064601)

[30] IT (102015000061419) 2015-10-14

[11] **3,001,376**
[13] C

[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/56 (2006.01) A61B 17/88 (2006.01)**

[25] EN

[54] **IMPLANT AND METHOD FOR ANKLE SYNDOSMOSIS TREATMENT**

[54] **IMPLANT ET METHODE DE TRAITEMENT DE LA SYNDOSMOSE DE LA CHEVILLE**

[72] ARMACOST, SCOTT A., US

[72] COMBS, SACH, US

[72] COHEN, BRUCE E., US

[72] DEN HARTOG, BRYAN D., US

[72] BERLET, GREGORY C., US

[72] PENNER, MURRAY JOHN, CA

[73] WRIGHT MEDICAL TECHNOLOGY, INC., US

[86] (3001376)

[87] (3001376)

[22] 2018-04-13

[30] US (15/586,694) 2017-05-04

[11] **3,001,376**
[13] C

[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/56 (2006.01) A61B 17/88 (2006.01)**

[25] EN

[54] **IMPLANT AND METHOD FOR ANKLE SYNDOSMOSIS TREATMENT**

[54] **IMPLANT ET METHODE DE TRAITEMENT DE LA SYNDOSMOSE DE LA CHEVILLE**

[72] ARMACOST, SCOTT A., US

[72] COMBS, SACH, US

[72] COHEN, BRUCE E., US

[72] DEN HARTOG, BRYAN D., US

[72] BERLET, GREGORY C., US

[72] PENNER, MURRAY JOHN, CA

[73] WRIGHT MEDICAL TECHNOLOGY, INC., US

[86] (3001376)

[87] (3001376)

[22] 2018-04-13

[30] US (15/586,694) 2017-05-04

[11] **3,002,223**
[13] C

[51] **Int.Cl. B29C 70/38 (2006.01) B32B 5/12 (2006.01) B32B 37/00 (2006.01) B32B 41/00 (2006.01)**

[25] EN

[54] **AUTOMATED PLACEMENT OF COMPOSITE MATERIAL**

[54] **POSITIONNEMENT AUTOMATIQUE DE MATERIAU MIXTE**

[72] DUVAL, SEBASTIEN, CA

[72] FLYNN-ROBITAILLE, PASCAL, CA

[73] BELL HELICOPTER TEXTRON INC., US

[86] (3002223)

[87] (3002223)

[22] 2018-04-18

[30] US (15/951,165) 2018-04-11

[11] **3,004,665**
[13] C

[51] **Int.Cl. C12N 15/87 (2006.01) A61K 48/00 (2006.01)**

[25] EN

[54] **TRANSPONON SYSTEM, KIT COMPRISING THE SAME, AND USES THEREOF**

[54] **SYSTEME DE TRANSPONON, KIT LE COMPRENANT ET UTILISATIONS CORRESPONDANTES**

[72] WU, SAREINA CHIUNG-YUAN, CN

[73] GENOMEFRONTIER THERAPEUTICS, INC., TW

[85] 2018-05-08

[86] 2016-12-12 (PCT/CN2016/109510)

[87] (WO2017/101749)

[30] US (62/267,270) 2015-12-14

[11] **3,004,686**
[13] C

[51] **Int.Cl. E02B 7/40 (2006.01) E02B 7/20 (2006.01) E02B 7/34 (2006.01) E02B 8/00 (2006.01)**

[25] EN

[54] **WATER CONTROL SYSTEM AND METHOD FOR WATER MANAGEMENT**

[54] **MECANISME DE CONTROLE DE L'EAU ET METHODE DE GESTION DE L'EAU**

[72] WATSON, NORMAN PAUL, US

[73] WATSON, NORMAN PAUL, US

[86] (3004686)

[87] (3004686)

[22] 2018-05-11

[30] US (15/594,253) 2017-05-12

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[11] **3,004,775**
[13] C
[51] **Int.Cl. H04W 48/18 (2009.01)**
[25] EN
[54] **METHOD AND NETWORK
DEVICE FOR SELECTING
SERVICE NETWORK**
[54] **METHODE ET DISPOSITIF
RESEAU SERVANT A
SELECTIONNER UN RESEAU DE
SERVICE**
[72] WANG, YUAN, CN
[72] ZHU, FENQIN, CN
[72] MA, JINGWANG, CN
[73] HUAWEI TECHNOLOGIES CO.,
LTD., CN
[85] 2018-05-09
[86] 2015-11-10 (PCT/CN2015/094236)
[87] (WO2017/079906)

[11] **3,006,218**
[13] C
[51] **Int.Cl. A61M 5/31 (2006.01) A61M
5/315 (2006.01) A61B 90/94 (2016.01)**
[25] EN
[54] **SAFETY SYRINGE AND SAFETY
DOSE COMBINATION KIT**
[54] **KIT COMBINANT SERINGUE DE
SECURITE ET DOSE DE
SECURITE**
[72] CREATURO, MICHAEL A., US
[73] CREATURO, MICHAEL A., US
[86] (3006218)
[87] (3006218)
[22] 2013-01-24
[62] 2,862,633
[30] US (61/591,683) 2012-01-27

[11] **3,006,579**
[13] C
[51] **Int.Cl. B23K 9/10 (2006.01) H02M
3/335 (2006.01)**
[25] EN
[54] **CONSTANT CURRENT CONTROL
SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE
COMMANDE A COURANT
CONSTANT**
[72] MANTHE, ALAN ADAM, US
[72] KNOENER, CRAIG STEVEN, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2018-05-28
[86] 2016-12-29 (PCT/US2016/069087)
[87] (WO2017/117336)
[30] US (62/274,117) 2015-12-31
[30] US (62/286,764) 2016-01-25
[30] US (15/137,793) 2016-04-25

[11] **3,007,412**
[13] C
[51] **Int.Cl. C07D 401/14 (2006.01) A61K
31/454 (2006.01) A61K 31/501
(2006.01) A61K 31/517 (2006.01)
A61K 31/55 (2006.01) A61P 21/00
(2006.01) A61P 25/14 (2006.01) A61P
25/28 (2006.01) C07D 401/12
(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 417/14
(2006.01) C07D 471/04 (2006.01)
C07D 471/10 (2006.01) C07D 487/08
(2006.01) C07D 487/10 (2006.01)**
[25] EN
[54] **THE USE OF 1,4-DISUBSTITUTED
PYRIDAZINE COMPOUNDS TO
TREAT HUNTINGTON'S DISEASE**
[54] **UTILISATION DE COMPOSES DE
PYRIDAZINE 1,4-DISUBSTITUEE
POUR TRAITER LA MALADIE DE
HUNTINGTON**
[72] BABU, SURESH, US
[72] BHATTACHARYYA, ANURADHA,
US
[72] HWANG, SEONGWOO, US
[72] JANI, MINAKSHI, US
[72] MOON, YOUNG-CHOON, US
[72] SYDORENKO, NADIYA, US
[73] PTC THERAPEUTICS, INC., US
[85] 2018-06-04
[86] 2016-12-11 (PCT/US2016/066042)
[87] (WO2017/100726)
[30] US (62/265,652) 2015-12-10

[11] **3,007,475**
[13] C
[51] **Int.Cl. G01C 21/00 (2006.01)**
[25] EN
[54] **INTERACTIVE TELEMATICS
SYSTEM**
[54] **SYSTEME TELEMATIQUE
INTERACTIF**
[72] MYERS, JOEL N., US
[72] MCGEEVER, CASEY, US
[72] PORTER, JONATHAN, US
[72] ROOT, MICHAEL R., US
[72] SMITH, MICHAEL, US
[72] STEINBERG, MICHAEL A., US
[72] LEBLANC, ANDRE, CA
[73] LOCATOR IP, LP, US
[85] 2018-06-05
[86] 2016-12-12 (PCT/US2016/066198)
[87] (WO2017/100780)
[30] US (62/266,420) 2015-12-11

[11] **3,010,825**
[13] C
[51] **Int.Cl. B64C 27/56 (2006.01) B64C
27/28 (2006.01) B64C 27/605 (2006.01)**
[25] EN
[54] **PROPROTOR FLAPPING
CONTROL SYSTEMS FOR
TILTROTOR AIRCRAFT**
[54] **SYSTEMES DE CONTROLE DE
CLAQUEMENT DE ROTOR
ORIENTABLE DESTINES A UN
AERONEF A ROTOR
INCLINABLE**
[72] ROBERTS, BRAD JOHN, US
[72] RUCKEL, PAUL DAVID, US
[73] TEXTRON INNOVATIONS INC., US
[86] (3010825)
[87] (3010825)
[22] 2018-07-06
[30] US (15/654,926) 2017-07-20

[11] **3,011,914**
[13] C
[51] **Int.Cl. G10L 19/022 (2013.01) G10L
19/008 (2013.01)**
[25] EN
[54] **APPARATUSES AND METHODS
FOR ENCODING OR DECODING
A MULTI-CHANNEL AUDIO
SIGNAL USING FRAME
CONTROL SYNCHRONIZATION**
[54] **APPAREILS ET PROCEDES DE
CODAGE OU DE DECODAGE
D'UN SIGNAL AUDIO
MULTICANAL EN UTILISANT
UNE SYNCHRONISATION DE
COMMANDE DE TRAME**
[72] FUCHS, GUILLAUME, DE
[72] RAVELLI, EMMANUEL, DE
[72] MULTRUS, MARKUS, DE
[72] SCHNELL, MARKUS, DE
[72] DOEHLA, STEFAN, DE
[72] DIETZ, MARTIN, DE
[72] MARKOVIC, GORAN, DE
[72] FOTPOULOU, ELENI, DE
[72] BAYER, STEFAN, DE
[72] JAEGER, WOLFGANG, DE
[73] FRAUNHOFER-GESELLSCHAFT
ZUR FOERDERUNG DER
ANGEWANDTEN FORSCHUNG
E.V., DE
[85] 2018-07-19
[86] 2017-01-20 (PCT/EP2017/051212)
[87] (WO2017/125562)
[30] EP (16152450.9) 2016-01-22
[30] EP (16152453.3) 2016-01-22

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[11] **3,011,963**
[13] C

[51] **Int.Cl. G01K 1/143 (2021.01) G01K 13/02 (2021.01)**
[25] EN
[54] **NON-INTRUSIVE PROCESS FLUID TEMPERATURE CALCULATION SYSTEM**
[54] **SYSTEME NON INTRUSIF DE CALCUL DE TEMPERATURE DE FLUIDE DE TRAITEMENT**
[72] KUZNETSOV, YURY
NICKOLAYEVICH, RU
[72] RUD, JASON H., US
[72] GARIPOV, SAIT SAITOVICH, RU
[72] KRIVONOGOV, ALEKSEY
ALEKSANDROVICH, RU
[72] FOMCHENKO, SERGEY
ANDREYEVICH, RU
[72] REPYEVSKY, VLADIMIR
VICTOROVICH, RU
[73] ROSEMOUNT INC., US
[85] 2018-07-19
[86] 2016-01-25 (PCT/RU2016/000020)
[87] (WO2017/131546)

[11] **3,013,687**
[13] C

[51] **Int.Cl. H04L 9/08 (2006.01) G06F 21/62 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **A METHOD OF DATA TRANSFER, A METHOD OF CONTROLLING USE OF DATA AND A CRYPTOGRAPHIC DEVICE**
[54] **PROCEDE DE TRANSFERT DE DONNEES, PROCEDE DE COMMANDE DE L'UTILISATION DE DONNEES ET DISPOSITIF CRYPTOGRAPHIQUE**
[72] BYGRAVE, IAN, GB
[72] EDGINGTON, ALEC, GB
[72] KETTLEWELL, RICHARD, GB
[72] O'DOHERTY, DAVID, GB
[72] SMITH, NICHOLAS, GB
[72] WALKER, NEIL, GB
[73] NCIPHER SECURITY LIMITED, GB
[85] 2018-08-03
[86] 2017-02-03 (PCT/GB2017/050264)
[87] (WO2017/134445)
[30] GB (1602088.5) 2016-02-05

[11] **3,014,162**
[13] C

[51] **Int.Cl. H04N 21/238 (2011.01) H04N 21/438 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LINK LAYER SIGNALING OF UPPER LAYER INFORMATION**
[54] **SYSTEMES ET PROCEDE POUR LA SIGNALISATION DE COUCHE DE LIAISON D'INFORMATIONS DE COUCHE SUPERIEURE**
[72] DESHPANDE, SACHIN G., US
[73] SHARP KABUSHIKI KAISHA, JP
[85] 2018-08-09
[86] 2017-02-23 (PCT/JP2017/006856)
[87] (WO2017/146157)
[30] US (62/298,983) 2016-02-23

[11] **3,014,723**
[13] C

[51] **Int.Cl. A61B 50/33 (2016.01) G06M 1/22 (2006.01)**
[25] EN
[54] **TRAY SYSTEM FOR TRANSFER, COUNTING, STORAGE AND DISPOSAL OF SURGICAL INSTRUMENTS**
[54] **SYSTEME DE PLATEAU POUR LE TRANSFERT, LE COMPTAGE, LE STOCKAGE ET L'ELIMINATION D'INSTRUMENTS CHIRURGICAUX**
[72] HART, CHRISTOPHER
ALEXANDER, AU
[72] PENNINGS, HUBERTUS, AU
[73] DANIELS FAMILY INVESTMENT HOLDINGS PTY LTD., AU
[85] 2018-08-15
[86] 2016-12-13 (PCT/IB2016/001869)
[87] (WO2018/109512)

[11] **3,015,387**
[13] C

[51] **Int.Cl. G01S 19/01 (2010.01) H04W 4/02 (2018.01)**
[25] EN
[54] **RELIABILITY DETERMINATION OF LOCATION UPDATES IN MULTIPATH ENVIRONMENTS**
[54] **DETERMINATION DE FIABILITE DE MISES A JOUR DE LOCALISATION DANS DES ENVIRONNEMENTS A TRAJETS MULTIPLES**
[72] ELDIC, FILIP, AU
[73] BLUEDOT INNOVATION PTY LTD, AU
[85] 2018-08-22
[86] 2017-09-13 (PCT/AU2017/000196)
[87] (WO2018/049464)
[30] AU (2016903679) 2016-09-13

[11] **3,018,183**
[13] C

[51] **Int.Cl. G01R 15/00 (2006.01) G01R 33/3873 (2006.01) H01F 41/02 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MAGNETIC FIELD SHIMMING**
[54] **PROCEDES ET APPAREIL DE CALAGE DE CHAMP MAGNETIQUE**
[72] HUGON, CEDRIC, US
[72] POOLE, MICHAEL STEPHEN, US
[72] RALSTON, TYLER S., US
[73] HYPERFINE, INC., US
[85] 2018-09-18
[86] 2017-03-22 (PCT/US2017/023583)
[87] (WO2017/165513)
[30] US (62/311,821) 2016-03-22

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[11] **3,018,647**
[13] C

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/397 (2006.01) A61K 31/575 (2006.01) A61P 1/16 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION OF A FARNESOID X RECEPTOR AGONIST AND A NPC1L1 RECEPTOR INHIBITOR, AND USES THEREOF**

[54] **COMPOSITION PHARMACEUTIQUE D'UN AGONISTE DE RECEPTEUR FARNESOID X ET UN INHIBITEUR DE RECEPTEUR NPC1L1 AINSI QUE LEURS UTILISATIONS CONNEXES**

[72] LIU, XIAOYU, CN
[72] ZHANG, FAMING, CN
[72] CUI, JIAN, CN
[72] ZHANG, SIHAN, CN
[72] WANG, HUOJIAN, CN
[72] MENG, YUAN, CN
[72] LENG, ZHENGWEN, CN
[72] QIAN, LINA, CN
[73] WATERSTONE PHARMACEUTICALS (WUHAN) CO., LTD., CN
[85] 2018-09-21
[86] 2017-03-24 (PCT/CN2017/078183)
[87] (WO2017/162211)
[30] CN (201610173317.4) 2016-03-24

[11] **3,020,114**
[13] C

[51] **Int.Cl. H01H 15/10 (2006.01) A24F 40/40 (2020.01) H01M 50/574 (2021.01) H02J 7/00 (2006.01)**

[25] EN

[54] **BATTERY ASSEMBLY AND ELECTRONIC CIGARETTE HAVING SAME**

[54] **ENSEMBLE PILE ET CIGARETTE ELECTRONIQUE L'UTILISANT**

[72] OUYANG, JUNWEI, CN
[73] SHENZHEN IVPS TECHNOLOGY CO., LTD., CN
[86] (3020114)
[87] (3020114)
[22] 2018-10-09
[30] CN (201820104782.7) 2018-01-19

[11] **3,020,298**
[13] C

[51] **Int.Cl. B25B 13/46 (2006.01) B25B 13/50 (2006.01)**

[25] EN

[54] **RATCHET WRENCH**

[54] **CLEF A ROCHET**

[72] MILLS, TOMMY, US
[72] BERTAGNOLE, KENDALL, US
[72] AYALA, JAY, US
[73] TRIBUS INNOVATIONS, LLC, US
[85] 2018-10-05
[86] 2017-03-20 (PCT/US2017/023224)
[87] (WO2017/176447)
[30] US (15/092,056) 2016-04-06

[11] **3,020,665**
[13] C

[51] **Int.Cl. H04W 36/30 (2009.01) H04W 36/08 (2009.01) H04W 36/38 (2009.01) H04W 92/20 (2009.01)**

[25] EN

[54] **BASE STATION, MOBILE COMMUNICATION SYSTEM AND HANDOVER CONTROL METHOD**

[54] **STATION DE BASE, SYSTEME DE COMMUNICATION MOBILE ET PROCEDE DE COMMANDE DE TRANSFERT INTERCELLULAIRE**

[72] KANAZAWA, NOBORU, JP
[72] OGATA, DAIGO, JP
[72] NAGATE, ATSUSHI, JP
[72] FUJII, TERUYA, JP
[73] SOFTBANK CORP., JP
[85] 2018-10-11
[86] 2017-03-03 (PCT/JP2017/008600)
[87] (WO2017/179334)
[30] JP (2016-079732) 2016-04-12

[11] **3,020,744**
[13] C

[51] **Int.Cl. F41H 5/04 (2006.01) B32B 27/12 (2006.01)**

[25] EN

[54] **HIGH BUOYANCY COMPOSITE MATERIALS**

[54] **MATERIAUX COMPOSITES A FLOTTABILITE ELEVEE**

[72] BHATNAGAR, ASHOK, US
[72] BARTELT, TYLER, US
[72] ARDIFF, HENRY GERARD, US
[72] KRATZER, GARY, US
[72] HURST, DAVID A., US
[72] WAGNER, LORI L., US
[73] HONEYWELL INTERNATIONAL INC., US
[85] 2018-10-11
[86] 2017-04-06 (PCT/US2017/026281)
[87] (WO2017/180418)
[30] US (62/322,834) 2016-04-15
[30] US (15/479,089) 2017-04-04

[11] **3,021,429**
[13] C

[51] **Int.Cl. C08F 8/50 (2006.01) C08F 10/02 (2006.01) C08F 210/02 (2006.01) C08L 23/08 (2006.01) C09J 123/08 (2006.01)**

[25] EN

[54] **VISBREAKING PROCESS**

[54] **PROCEDE DE VISCOREDUCTION**

[72] TRAN, TUAN ANH, AT
[72] KNAEPEN, MARC, BE
[73] BOREALIS AG, AT
[85] 2018-10-17
[86] 2017-04-21 (PCT/EP2017/059531)
[87] (WO2017/182636)
[30] EP (16166712.6) 2016-04-22

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[11] **3,022,807**
[13] C

[51] **Int.Cl. H01M 8/10 (2016.01) B01J 41/14 (2006.01) H01M 4/86 (2006.01) H01M 4/90 (2006.01) H01M 8/02 (2016.01)**

[25] EN

[54] **REACTOR WITH ADVANCED ARCHITECTURE FOR THE ELECTROCHEMICAL REACTION OF CO₂, CO, AND OTHER CHEMICAL COMPOUNDS**

[54] **REACTEUR A ARCHITECTURE AVANCEE DESTINE A LA REACTION ELECTROCHIMIQUE DE CO₂, CO, ET D'AUTRES COMPOSES CHIMIQUES**

[72] KUHL, KENDRA P., US
[72] CAVE, ETOSHA R., US
[72] LEONARD, GEORGE, US
[73] OPUS 12 INCORPORATED, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2018-10-31
[86] 2017-05-03 (PCT/US2017/030935)
[87] (WO2017/192787)
[30] US (62/331,387) 2016-05-03

[11] **3,022,959**
[13] C

[51] **Int.Cl. B01L 3/00 (2006.01) B01L 9/00 (2006.01) G01N 35/00 (2006.01)**

[25] EN

[54] **FLOWCELL CARTRIDGE WITH FLOATING SEAL BRACKET**

[54] **CARTOUCHE A CELLULE D'ECOULEMENT AVEC BRACKET D'ETANCHEITE FLOTTANT**

[72] KAPLAN, DAVID ELLIOTT, US
[72] DE RUYTER, ANTHONY JOHN, US
[72] KELLEY, RICHARD ALAN, US
[72] KUMAR, ASHISH, US
[73] ILLUMINA, INC., US

[85] 2018-11-01
[86] 2017-12-21 (PCT/US2017/067832)
[87] (WO2018/128839)
[30] US (62/441,927) 2017-01-03
[30] GB (1704769.7) 2017-03-24
[30] US (15/841,109) 2017-12-13

[11] **3,023,000**
[13] C

[51] **Int.Cl. G01N 27/416 (2006.01) G01N 27/403 (2006.01) G01R 27/14 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR QUALITY ASSURANCE OF A BIOSENSOR TEST STRIP**

[54] **SYSTEME ET PROCEDE D'ASSURANCE DE QUALITE D'UNE BANDE TEST DE BIO-DETECTEUR**

[72] CELENTANO, MICHAEL J., US
[72] GROLL, HENNING, US
[72] PAULEY, JAMES L., US
[72] MOORE, STEVEN K., US
[73] F. HOFFMAN-LA ROCHE AG, CH
[73] F. HOFFMANN-LA ROCHE AG, CH

[86] (3023000)
[87] (3023000)
[22] 2005-06-20
[62] 2,570,186
[30] US (60/581,002) 2004-06-18

[11] **3,023,499**
[13] C

[51] **Int.Cl. G06F 17/00 (2019.01) G06F 21/64 (2013.01) G06F 16/48 (2019.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR OFFLOADING ASSETS FROM A PORTABLE ELECTRONIC DEVICE TO LONG-TERM STORAGE**

[54] **SYSTEMES ET PROCEDES DE TELECHARGEMENT D'ACTIFS ELECTRONIQUE PORTABLE VERS UN STOCKAGE A LONG TERME**

[72] FLOWERDAY, DAVID B., US
[72] ORLOWSKI, REMIGIUSZ, PL
[72] TINE, STEVEN D., US
[72] SNIEZYNSKI, KRZYSZTOF RAFAL, PL

[72] RADWANSKI, LECHOSLAW, PL
[73] MOTOROLA SOLUTIONS, INC., US

[85] 2018-11-07
[86] 2016-05-20 (PCT/PL2016/050021)
[87] (WO2017/200402)

[11] **3,023,706**
[13] C

[51] **Int.Cl. C07K 14/015 (2006.01) A61K 35/76 (2015.01) A61K 39/395 (2006.01) A61K 48/00 (2006.01) C07K 16/10 (2006.01) C12N 7/01 (2006.01) C12N 15/13 (2006.01) C12N 15/35 (2006.01) C12N 15/864 (2006.01) C12P 21/02 (2006.01)**

[25] EN

[54] **ADENO-ASSOCIATED VIRUS PARTICLE WITH MUTATED CAPSID AND METHODS OF USE THEREOF**

[54] **PARTICULE ASSOCIEE A UN VIRUS ADENO-ASSOCIE AYANT UNE CAPSIDE MUTE ET METHODES D'UTILISATION ASSOCIEES**

[72] WOOTTON, SARAH, CA
[72] VAN LIESHOUT, LAURA, CA
[72] THEBAUD, BERNARD CLAUDE FRANK, CA

[72] KANG, MARTIN HUBERT, CA
[73] UNIVERSITY OF GUELPH, CA
[73] OTTAWA HOSPITAL RESEARCH INSTITUTE, CA

[86] (3023706)
[87] (3023706)
[22] 2018-11-09
[30] US (62/618,810) 2018-01-18

[11] **3,024,970**
[13] C

[51] **Int.Cl. B65D 85/804 (2006.01)**

[25] EN

[54] **PORTION CAPSULE HAVING AN IDENTIFIER**

[54] **CAPSULE DE PORTION AVEC IDENTIFIANT**

[72] KRUGER, MARC, DE
[73] K-FEE SYSTEM GMBH, DE

[86] (3024970)
[87] (3024970)
[22] 2011-07-22
[62] 2,805,839
[30] DE (10 2010 031 988.0) 2010-07-22
[30] DE (10 2010 044 251.8) 2010-09-02
[30] DE (10 2011 010 534.4) 2011-02-07

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[11] **3,025,198**
[13] C

[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/41 (2013.01) H04L 9/06 (2006.01)**
[25] EN
[54] **TENANT-AWARE DISTRIBUTED APPLICATION AUTHENTICATION**
[54] **AUTHENTICATION D'APPLICATION DISTRIBUEE SENSIBLE AU LOCATAIRE**
[72] KARANGUTKAR, MILAN, US
[72] PALANISAMY, PRABHU, US
[72] ALAG, SATNAM, US
[73] ILLUMINA, INC., US
[85] 2018-11-21
[86] 2017-06-05 (PCT/US2017/035982)
[87] (WO2017/214046)
[30] US (62/346,367) 2016-06-06

[11] **3,025,369**
[13] C

[51] **Int.Cl. G06F 16/27 (2019.01) G06F 16/21 (2019.01)**
[25] EN
[54] **DATABASE SYSTEM WITH DATABASE ENGINE AND SEPARATE DISTRIBUTED STORAGE SERVICE**
[54] **SYSTEME DE BASE DE DONNEES A MOTEUR DE BASE DE DONNEES ET SERVICE DE STOCKAGE DISTRIBUE SEPRE**
[72] GUPTA, ANURAG WINDLASS, US
[72] FACHAN, NEAL, US
[72] MCKELVIE, SAMUEL JAMES, US
[72] BURCHALL, LAURION DARRELL, US
[72] NEWCOMBE, CHRISTOPHER RICHARD, US
[72] MADHAVARAPU, PRADEEP JNANA, US
[72] TOBLER, BENJAMIN, US
[72] COREY, JAMES MCCLELLAN, US
[73] AMAZON TECHNOLOGIES, INC., US
[86] (3025369)
[87] (3025369)
[22] 2014-03-11
[62] 2,906,415
[30] US (61/794,572) 2013-03-15
[30] US (14/201,493) 2014-03-07

[11] **3,029,830**
[13] C

[51] **Int.Cl. G01N 33/49 (2006.01) F04B 13/00 (2006.01)**
[25] EN
[54] **METHODS OF OPERATING A PUMP TO REDUCE OR ELIMINATE PUMP BACKLASH ERRORS**
[54] **PROCEDES DE FONCTIONNEMENT D'UNE POMPE POUR REDUIRE OU ELIMINER LES ERREURS DE JEU DE POMPE**
[72] MISHRA, AJIT, US
[72] MIERS, DAVID, US
[73] ACCRIVA DIAGNOSTICS, INC., US
[85] 2019-01-03
[86] 2017-07-18 (PCT/US2017/042492)
[87] (WO2018/022346)
[30] US (62/367,859) 2016-07-28
[30] US (15/272,099) 2016-09-21

[11] **3,029,981**
[13] C

[51] **Int.Cl. G02B 1/04 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **INCREASED STIFFNESS CENTER OPTIC IN SOFT CONTACT LENSES FOR ASTIGMATISM CORRECTION**
[54] **OPTIQUE CENTRALE A RIGIDITE AUGMENTE DANS DES LENTILLES DE CONTACT SOUPLES POUR CORRECTION D'ASTIGMATISME**
[72] ALLI, AZAAM, US
[72] SINHA, DOLA, US
[73] JOHNSON & JOHNSON VISION CARE, INC., US
[85] 2019-01-04
[86] 2017-06-13 (PCT/US2017/037326)
[87] (WO2018/009309)
[30] US (15/203,414) 2016-07-06

[11] **3,030,248**
[13] C

[51] **Int.Cl. B23K 9/10 (2006.01)**
[25] EN
[54] **WELDING POWER SUPPLIES HAVING ADJUSTABLE CURRENT RAMPING RATES**
[54] **ALIMENTATIONS ELECTRIQUES DE SOUDAGE A VITESSES DE VARIATION DE COURANT REGLABLES**
[72] SMITH, ALAN F., US
[72] BOWMAN, CODY J., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2019-01-08
[86] 2017-06-29 (PCT/US2017/039866)
[87] (WO2018/017298)
[30] US (62/365,768) 2016-07-22
[30] US (15/582,972) 2017-05-01

[11] **3,030,693**
[13] C

[51] **Int.Cl. B22D 41/50 (2006.01) B22D 11/103 (2006.01) B22D 11/106 (2006.01) B22D 37/00 (2006.01)**
[25] EN
[54] **TUNDISH FUNNEL**
[54] **ENTONNOIR DE PANIER DE COULEE**
[72] HARTLEY, MICHAEL RYAN, US
[72] HIGA, KEN MORALES, US
[73] AK STEEL PROPERTIES, INC., US
[85] 2019-01-10
[86] 2017-08-09 (PCT/US2017/046117)
[87] (WO2018/031670)
[30] US (62/372,431) 2016-08-09

[11] **3,030,827**
[13] C

[51] **Int.Cl. H04N 21/234 (2011.01) H04N 21/2343 (2011.01) H04N 21/2365 (2011.01) H04N 21/845 (2011.01)**
[25] EN
[54] **QUALITY TAGGING IN ADAPTIVE BITRATE TECHNOLOGIES**
[54] **MARQUAGE DE QUALITE DANS DES TECHNOLOGIES DE DEBIT BINAIRE ADAPTATIF**
[72] RAMAMURTHY, SHAILESH, IN
[72] CHANDRASHEKAR, PADMASSRI, IN
[72] NELLORE, ANIL KUMAR, IN
[73] ARRIS ENTERPRISES LLC, US
[85] 2019-01-14
[86] 2017-07-13 (PCT/US2017/041940)
[87] (WO2018/013815)
[30] US (62/362,216) 2016-07-14
[30] US (15/648,944) 2017-07-13

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[11] **3,030,832**
[13] C

[51] **Int.Cl. C12N 1/20 (2006.01) A23L 19/20 (2016.01) A23L 29/00 (2016.01) A23L 2/52 (2006.01)**

[25] EN

[54] **LEUCONOSTOC MÉSENTEROÏDES CJLM119 STRAIN PRODUCING REDUCED AMOUNT OF GAS, AND KIMCHI PRODUCTION METHOD USING SAME**

[54] **SOUICHE DE LEUCONOSTOC MÉSENTEROÏDES CJLM119 PRODUISANT UNE QUANTITÉ RÉDUITE DE GAZ, ET PROCÉDE DE PRODUCTION DE KIMCHI UTILISANT CELLE-CI**

[72] CHOI, SEUNG HYE, KR
[72] OH, JI YOUNG, KR
[72] LEE, DONG YUN, KR
[73] CJ CHEILJEDANG CORPORATION, KR

[85] 2019-01-14
[86] 2017-07-14 (PCT/KR2017/007615)
[87] (WO2018/012941)
[30] KR (10-2016-0090284) 2016-07-15

[11] **3,031,419**
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **N-(PHENYLSULFONYL)BENZAMIDES AND RELATED COMPOUNDS AS BCL-2 INHIBITORS**

[54] **N-(PHENYLSULFONYL)BENZAMIDES ET COMPOSES APPARENTES EN TANT QU'INHIBITEURS DE BCL-2**

[72] WANG, SHAOMENG, US
[72] CHEN, JIANYONG, US
[73] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US

[85] 2019-01-18
[86] 2017-08-04 (PCT/US2017/045428)
[87] (WO2018/027097)
[30] US (62/371,504) 2016-08-05
[30] US (62/454,101) 2017-02-03

[11] **3,031,786**
[13] C

[51] **Int.Cl. B01D 61/16 (2006.01) B01D 61/02 (2006.01) B01D 61/04 (2006.01) B01D 61/08 (2006.01) B01D 61/14 (2006.01) B01D 61/18 (2006.01) B01D 61/58 (2006.01) B01D 71/02 (2006.01) B01D 71/36 (2006.01) C02F 3/12 (2006.01)**

[25] EN

[54] **SYSTEMS AND PROCESSES FOR THE TREATMENT OF WASTE STREAMS ALLOWING DIRECT ACTIVATED CARBON AND MEMBRANE CONTACT**

[54] **SYSTEMES ET PROCÉDES POUR LE TRAITEMENT DE FLUX DE DÉCHETS PERMETTANT UN CONTACT DIRECT AVEC DU CHARBON ACTIF ET UNE MEMBRANE**

[72] CUNNINGHAM, WILLIAM, US
[72] BURCLAFF, PHILIP A., US
[72] FELCH, CHAD L., US
[72] LARSON, ANDREA J., US
[72] SMITH, DUANE R., US
[72] LARSON, SIMON, US
[73] SIEMENS ENERGY, INC., US

[85] 2019-01-23
[86] 2017-07-20 (PCT/US2017/042988)
[87] (WO2018/022403)
[30] US (62/366,201) 2016-07-25

[11] **3,032,344**
[13] C

[51] **Int.Cl. A41C 3/00 (2006.01) A41C 3/12 (2006.01)**

[25] EN

[54] **BACKLESS SUPPORT BRA**

[54] **SOUTIEN-GORGE DE SUPPORT DOS NU**

[72] GEHLHAUSEN, GORDANA, US
[72] DRYNAN, SKYE, US
[73] SEXY BACK BRA, LLC, US

[85] 2019-01-28
[86] 2017-08-04 (PCT/US2017/045574)
[87] (WO2018/031418)
[30] US (62/372,282) 2016-08-08

[11] **3,033,864**
[13] C

[51] **Int.Cl. G05D 1/02 (2020.01) G06Q 50/30 (2012.01) B60W 60/00 (2020.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DETERMINING AND DYNAMICALLY UPDATING A ROUTE AND DRIVING STYLE FOR PASSENGER COMFORT**

[54] **PROCÉDE ET SYSTÈME DE DÉTERMINATION ET DE MISE À JOUR DYNAMIQUE D'UN ITINÉRAIRE ET D'UN STYLE DE CONDUITE POUR LE CONFORT DES PASSAGERS**

[72] LARNER, DANIEL LYNN, US
[72] RUSSELL, JARED STEPHEN, US
[73] WAYMO LLC, US

[85] 2019-02-13
[86] 2017-08-17 (PCT/US2017/047335)
[87] (WO2018/035317)
[30] US (62/377,200) 2016-08-19
[30] US (15/286,153) 2016-10-05

[11] **3,035,583**
[13] C

[51] **Int.Cl. A61F 2/36 (2006.01) A61F 2/32 (2006.01) A61M 1/00 (2006.01) A61M 31/00 (2006.01)**

[25] EN

[54] **FEMORAL HIP JOINT SPACER WITH IRRIGATION DEVICE**

[54] **ESPACEUR FÉMORAL D'ARTICULATION DE LA HANCHE DOTÉ D'UN DISPOSITIF D'IRRIGATION**

[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE

[86] (3035583)
[87] (3035583)
[22] 2019-03-04
[30] DE (10 2018 106 705.4) 2018-03-21

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[11] **3,035,696**
[13] C

[51] **Int.Cl. B22F 1/02 (2006.01) B22F 3/105 (2006.01) B22F 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR GENERATING A COMPONENT BY A POWDER-BED-BASED ADDITIVE MANUFACTURING METHOD AND POWDER FOR USE IN SUCH A METHOD**
[54] **PROCEDE POUR PRODUIRE UN ELEMENT STRUCTURAL AU MOYEN D'UN PROCEDE DE FABRICATION ADDITIVE SUR LIT DE POUDRE ET POUDRE POUR UTILISER UN TEL PROCEDE**
[72] BRUNHUBER, CHRISTIAN, DE
[72] SCHAFER, MARTIN, DE
[73] SIEMENS AKTIENGESSELLSCHAFT, DE
[85] 2019-03-04
[86] 2017-08-30 (PCT/EP2017/071725)
[87] (WO2018/046361)
[30] DE (10 2016 216 859.2) 2016-09-06

[11] **3,035,981**
[13] C

[51] **Int.Cl. C12N 15/80 (2006.01)**
[25] EN
[54] **METHOD FOR SELECTIVE CARBON SOURCE-INDEPENDENT EXPRESSION OF PROTEIN-ENCODING SEQUENCES IN A FILAMENTOUS FUNGUS CELL**
[54] **METHODE D'EXPRESSION SELECTIVE INDEPENDANTE DE LA SOURCE DE CARBONE DE SEQUENCES DE CODAGE DE PROTEINES DANS UNE CELLULE DE CHAMPIGNON FILAMENTEUX**
[72] GAMAUF, CHRISTIAN, DE
[72] SCHIRRMACHER, GEORG, DE
[72] SEIBOTH, BERNHARD, AT
[72] KUBICEK, CHRISTIAN P., AT
[72] BISCHOF, ROBERT, AT
[73] CLARIANT INTERNATIONAL LTD, CH
[85] 2019-03-05
[86] 2017-09-19 (PCT/EP2017/073681)
[87] (WO2018/054924)
[30] EP (16189598.2) 2016-09-20

[11] **3,036,308**
[13] C

[51] **Int.Cl. G02B 6/44 (2006.01) G02B 6/24 (2006.01) G02B 6/38 (2006.01) H04Q 1/14 (2006.01)**
[25] EN
[54] **MODULAR FIBER FRAME**
[54] **CADRE DE FIBRE MODULAIRE**
[72] THOMPSON, ZACHARY M., US
[72] HAGGAR, JONATHAN V., US
[72] BORER, VICTOR J., US
[72] MERTZ, ROBERT R., US
[72] KROZEL, ADAM J., US
[73] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2019-03-08
[86] 2017-09-07 (PCT/IB2017/055403)
[87] (WO2018/047099)
[30] US (62/385,687) 2016-09-09

[11] **3,036,437**
[13] C

[51] **Int.Cl. C09K 8/54 (2006.01) E21B 41/02 (2006.01)**
[25] EN
[54] **INHIBITING CORROSION IN A DOWNHOLE ENVIRONMENT WITH GREEN CORROSION INHIBITORS IN ACIDIC MEDIUM**
[54] **CORROSION INHIBITANTE DANS UN ENVIRONNEMENT DE FOND AVEC INHIBITEURS DE CORROSION ECOLOGIQUE DANS UN MILIEU ACIDE**
[72] ELURU, SAIRAM, IN
[72] NEHETE, UMESH NAMDEO, IN
[72] SALLA, RAJENDER, IN
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-03-08
[86] 2016-10-17 (PCT/US2016/057345)
[87] (WO2018/074997)

[11] **3,036,672**
[13] C

[51] **Int.Cl. F04C 29/02 (2006.01) F01C 3/02 (2006.01) F01C 21/02 (2006.01) F04C 18/16 (2006.01) F04C 18/52 (2006.01)**
[25] EN
[54] **HIGH SUCTION PRESSURE SINGLE SCREW COMPRESSOR WITH THRUST BALANCING LOAD USING SHAFT SEAL PRESSURE AND RELATED METHODS**
[54] **COMPRESSEUR A VIS UNIQUE A HAUTE PRESSION D'ASPIRATION AVEC CHARGE D'EQUILIBRAGE DE POUSSEE UTILISANT UNE PRESSION DE JOINT D'ARBRE ET PROCEDES ASSOCIES**
[72] PICOUET, JEAN-LOUIS, US
[72] PANDE, ABHIJIT, IN
[73] VILTER MANUFACTURING LLC, US
[85] 2019-03-12
[86] 2016-11-14 (PCT/US2016/061851)
[87] (WO2018/052463)
[30] IN (201621031576) 2016-09-16

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[11] **3,036,916**
[13] C

[51] **Int.Cl. H03M 13/13 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ENCODING DATA USING A POLAR CODE**
[54] **PROCEDE ET APPAREIL DE CODAGE DE DONNEES A L'AIDE D'UN CODE POLAIRE**
[72] ZHANG, HUAZI, CN
[72] TONG, JIAJIE, CN
[72] LI, RONG, CN
[72] WANG, JUN, CN
[72] TONG, WEN, CA
[72] GE, YIQUN, CA
[72] LIU, XIAOCHENG, CN
[72] ZHANG, GONGZHENG, CN
[72] WANG, JIAN, CA
[72] CHENG, NAN, CA
[72] ZHANG, QIFAN, CA
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-03-14
[86] 2017-09-13 (PCT/CN2017/101528)
[87] (WO2018/050062)
[30] US (62/395,312) 2016-09-15
[30] US (62/396,618) 2016-09-19
[30] US (62/402,862) 2016-09-30
[30] US (62/432,448) 2016-12-09
[30] US (62/432,416) 2016-12-09
[30] US (62/433,127) 2016-12-12
[30] US (15/699,967) 2017-09-08

[11] **3,037,018**
[13] C

[51] **Int.Cl. G08B 5/38 (2006.01) H05B 47/10 (2020.01) G08B 17/00 (2006.01)**
[25] EN
[54] **SINGLE STAGE CURRENT CONTROLLER FOR A NOTIFICATION APPLIANCE**
[54] **CONTROLEUR DE COURANT A UN ETAGE DESTINE A UN APPAREIL DE NOTIFICATION**
[72] ROBOTHAM, MARTIN PAUL, US
[72] TASPEK, LEVENT, US
[73] CARRIER CORPORATION, US
[86] (3037018)
[87] (3037018)
[22] 2019-03-15
[30] US (62/643,789) 2018-03-16

[11] **3,038,669**
[13] C

[51] **Int.Cl. A63F 13/79 (2014.01) A63F 13/35 (2014.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING TYPE OF PLAYER IN ONLINE GAME**
[54] **SYSTEME ET METHODE PERMETTANT DE DETERMINER LE TYPE DE JOUEUR D'UN JEU EN LIGNE**
[72] GAUFFIN, ANTON, DE
[72] WRONOWSKI, WOJCIECH, PL
[73] HUUUGE GLOBAL LTD., CY
[86] (3038669)
[87] (3038669)
[22] 2019-04-02
[30] US (15953793) 2018-04-16

[11] **3,038,813**
[13] C

[51] **Int.Cl. A61K 31/137 (2006.01) A61K 9/127 (2006.01) A61K 31/275 (2006.01)**
[25] EN
[54] **PREVENTION OF DRUG-INDUCED ATRIO-VENTRICULAR BLOCK**
[54] **PREVENTION D'UN BLOC ATRIO-VENTRICULAIRE INDUIT PAR DES MEDICAMENTS**
[72] HELSON, LAWRENCE, US
[72] BOUCHARD, ANNIE, CA
[73] SIGNPATH PHARMA, INC., US
[85] 2019-03-28
[86] 2017-04-24 (PCT/US2017/029114)
[87] (WO2017/189424)
[30] US (62/328,307) 2016-04-27
[30] US (15/494,932) 2017-04-24

[11] **3,039,012**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 487/14 (2006.01)**
[25] EN
[54] **PYRIDYLAMINO SUBSTITUTED HETEROTRICYCLIC COMPOUNDS, AND PREPARATION METHOD AND PHARMACEUTICAL USE THEREOF**
[54] **COMPOSES HETEROTRICYCLO A SUBSTITUTION PAR PYRIDINAMINE, LEUR PREPARATION ET LEUR UTILISATION DANS DES MEDICAMENTS**
[72] LIU, YANG, CN
[72] WANG, JIANGWEI, CN
[72] ZHANG, QING, CN
[72] CHEN, YONGGANG, CN
[72] XI, BAOXIN, CN
[72] SUN, WANGBIN, CN
[72] LIU, YINGTAO, CN
[72] CHEN, XI, CN
[73] SHANGHAI HAIYAN PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[73] YANGTZE RIVER PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2019-04-01
[86] 2017-11-10 (PCT/CN2017/110463)
[87] (WO2018/086591)
[30] CN (201610994416.9) 2016-11-11

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[11] **3,039,175**
[13] C

[51] **Int.Cl. H04B 7/06 (2006.01) H04W 72/04 (2009.01) H04B 7/0408 (2017.01) H04L 1/00 (2006.01) H04L 5/00 (2006.01)**

[25] EN

[54] **SIGNALING BEAMFORMING RELATIONSHIPS BETWEEN CONTROL AND DATA CHANNELS**

[54] **SIGNALISATION DE RELATIONS DE FORMATION DE FAISCEAU ENTRE DES CANAUX DE COMMANDE ET DE DONNEES**

[72] JOHN WILSON, MAKESH PRAVIN, US

[72] LUO, TAO, US

[72] SAMPATH, ASHWIN, US

[72] NAGARAJA, SUMEETH, US

[72] SUBRAMANIAN, SUNDAR, US

[72] CEZANNE, JUERGEN, US

[72] AKKARAKARAN, SONY, US

[73] QUALCOMM INCORPORATED, US

[85] 2019-04-02

[86] 2017-09-25 (PCT/US2017/053227)

[87] (WO2018/089115)

[30] US (62/420,036) 2016-11-10

[30] US (15/713,074) 2017-09-22

[11] **3,039,913**
[13] C

[51] **Int.Cl. B60W 30/14 (2006.01) B60W 30/18 (2012.01) G05D 1/00 (2006.01)**

[25] EN

[54] **PLANNING STOPPING LOCATIONS FOR AUTONOMOUS VEHICLES**

[54] **PLANIFICATION D'EMPLACEMENTS D'ARRET POUR VEHICULES AUTONOMES**

[72] RUSSELL, JARED STEPHEN, US

[72] DOLGOV, DMITRI A., US

[72] FAIRFIELD, NATHANIEL, US

[72] LINDZEY, LAURA ESTELLE, US

[72] URMSON, CHRISTOPHER PAUL, US

[73] WAYMO LLC, US

[85] 2019-04-09

[86] 2017-10-05 (PCT/US2017/055324)

[87] (WO2018/071266)

[30] US (15/293,503) 2016-10-14

[11] **3,040,126**
[13] C

[51] **Int.Cl. A63F 13/48 (2014.01) A63F 13/35 (2014.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PLAYING ONLINE GAME**

[54] **SYSTEME ET METHODE DE JEU EN LIGNE**

[72] GAUFFIN, ANTON, DE

[72] WRONOWSKI, WOJCIECH, PL

[73] HUUUGE GLOBAL LTD., CY

[86] (3040126)

[87] (3040126)

[22] 2019-04-12

[30] US (15975948) 2018-05-10

[11] **3,040,181**
[13] C

[51] **Int.Cl. A61K 8/34 (2006.01) A61K 8/02 (2006.01) A61K 8/04 (2006.01) A61K 8/41 (2006.01) A61K 8/42 (2006.01) A61K 8/46 (2006.01) A61Q 5/12 (2006.01)**

[25] EN

[54] **PRODUCT COMPOSITION COMPRISING A DISCRETE PARTICLE AND AN AQUEOUS BASE COMPOSITION**

[54] **COMPOSITION DE PRODUIT COMPRENANT UNE PARTICULE DISCRETE ET UNE COMPOSITION DE BASE AQUEUSE**

[72] YOKOGI, JUNICHI, SG

[72] ZHU, XINHAO, SG

[72] SUNKEL, JORGE MAX, US

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2019-04-10

[86] 2018-04-13 (PCT/US2018/027403)

[87] (WO2018/191567)

[30] US (62/484,912) 2017-04-13

[30] US (62/484,915) 2017-04-13

[30] US (62/484,917) 2017-04-13

[30] US (62/484,918) 2017-04-13

[30] US (62/484,919) 2017-04-13

[30] US (62/484,920) 2017-04-13

[30] US (62/532,365) 2017-07-14

[30] US (62/532,366) 2017-07-14

[30] US (62/532,368) 2017-07-14

[30] US (62/532,369) 2017-07-14

[30] US (62/532,371) 2017-07-14

[30] US (62/532,372) 2017-07-14

[11] **3,040,513**
[13] C

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A23L 33/105 (2016.01)**

[25] EN

[54] **AN ORAL CANNABINOID TABLET**

[54] **COMPRIME ORAL DE CANNABINOIDE**

[72] BRUUN, HEIDI ZIEGLER, DK

[72] BOESEN, DORTHE SCHACKINGER, DK

[72] ERIKSEN, ANE, DK

[72] WITTORFF, HELLE, DK

[73] NORDICCAN A/S, DK

[86] (3040513)

[87] (3040513)

[22] 2019-04-17

[11] **3,040,735**
[13] C

[51] **Int.Cl. B01D 67/00 (2006.01) B01D 69/02 (2006.01) B01D 69/14 (2006.01) B01D 71/02 (2006.01) B01D 71/26 (2006.01)**

[25] EN

[54] **METHODS FOR TREATING FILLED MICROPOROUS MEMBRANES**

[54] **PROCEDES DE TRAITEMENT DE MEMBRANES MICROPOREUSES REMPLIES**

[72] GUO, QUNHUI, US

[72] PETERS, JAMES C., US

[72] PARRINELLO, LUCIANO M., US

[72] ANDERSON, LINDA K., US

[73] PPG INDUSTRIES OHIO, INC., US

[85] 2019-04-15

[86] 2017-11-13 (PCT/US2017/061248)

[87] (WO2018/093708)

[30] US (15/352,984) 2016-11-16

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[11] **3,041,540**
[13] C

[51] **Int.Cl. C12N 1/06 (2006.01) C12Q 1/6806 (2018.01) B01F 7/16 (2006.01) B01F 13/08 (2006.01) C12M 1/33 (2006.01)**

[25] EN

[54] **MAGNETIC LYSIS METHOD AND DEVICE**

[54] **PROCEDE ET DISPOSITIF DE LYSE MAGNETIQUE**

[72] BELGRADER, PHILLIP, US
[72] HINDSON, BENJAMIN, US
[73] BIO-RAD LABORATORIES, INC., US
[73] AKONNI BIOSYSTEMS, US
[86] (3041540)
[87] (3041540)
[22] 2010-09-20
[62] 2,811,872
[30] US (61/272,396) 2009-09-21

[11] **3,041,828**
[13] C

[51] **Int.Cl. B32B 5/02 (2006.01) B32B 5/08 (2006.01) B32B 5/12 (2006.01) B32B 5/14 (2006.01) B32B 27/12 (2006.01) B32B 27/32 (2006.01) B32B 37/00 (2006.01) F03D 1/06 (2006.01)**

[25] EN

[54] **MULTILAYER COMPOSITE COMPONENT**

[54] **COMPOSANT COMPOSITE MULTICOUCHE**

[72] BAERTL, CHRISTINA, DE
[73] WOBLEN PROPERTIES GMBH, DE
[85] 2019-04-25
[86] 2017-11-09 (PCT/EP2017/078815)
[87] (WO2018/087258)
[30] DE (10 2016 121 554.6) 2016-11-10

[11] **3,042,304**
[13] C

[51] **Int.Cl. H04W 12/065 (2021.01)**

[25] EN

[54] **AUTHENTICATION FOR NEXT GENERATION SYSTEMS**

[54] **AUTHENTIFICATION POUR SYSTEMES DE PROCHAINE GENERATION**

[72] BEN HENDA, NOAMEN, SE
[72] LEHTOVIRTA, VESA, FI
[72] CASTELLANOS ZAMORA, DAVID, ES
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-04-30
[86] 2017-10-25 (PCT/EP2017/077330)
[87] (WO2018/077960)
[30] US (62/415,006) 2016-10-31

[11] **3,042,323**
[13] C

[51] **Int.Cl. E21B 34/06 (2006.01) F04B 47/02 (2006.01) F04B 53/10 (2006.01)**

[25] EN

[54] **VALVE ASSEMBLY FOR DOWNHOLE PUMP OF RECIPROCATING PUMP SYSTEM**

[54] **ASSEMBLAGE DE VANNE DESTINE A UNE POMPE DE FOND DE TROU D'UN SYSTEME DE POMPE ALTERNATIVE**

[72] STACHOWIAK, JOHN E., JR., US
[72] RAMASWAMY, SANTHOSH, US
[72] BAILEY, JASON W., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (3042323)
[87] (3042323)
[22] 2019-05-06
[30] US (15/981,677) 2018-05-16

[11] **3,042,601**
[13] C

[51] **Int.Cl. C25B 9/23 (2021.01) C25B 3/25 (2021.01) C25B 9/60 (2021.01) C25B 15/08 (2006.01)**

[25] EN

[54] **APPARATUS FOR PRODUCING ORGANIC HYDRIDE AND METHOD FOR PRODUCING ORGANIC HYDRIDE**

[54] **APPAREIL DE PRODUCTION D'HYDRURE ORGANIQUE ET PROCEDE DE PRODUCTION D'HYDRURE ORGANIQUE**

[72] MITSUSHIMA, SHIGENORI, JP
[72] NAGASAWA, KENSAKU, JP
[72] NISHIKI, YOSHINORI, JP
[72] KATO, AKIHIRO, JP
[72] OGATA, SETSURO, JP
[72] ZAENAL, AWALUDIN, JP
[72] MANABE, AKIYOSHI, JP
[72] MATSUOKA, KOJI, JP
[72] SATO, YASUSHI, JP
[73] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP
[73] DE NORA PERMELEC LTD, JP
[85] 2019-05-02
[86] 2017-10-18 (PCT/JP2017/037647)
[87] (WO2018/092496)
[30] JP (2016-222563) 2016-11-15

[11] **3,042,745**
[13] C

[51] **Int.Cl. H04W 48/08 (2009.01)**

[25] EN

[54] **INTER-NETWORK CHANGE METHOD AND APPARATUS, AND RELATED DEVICE**

[54] **PROCEDE ET APPAREIL DE CHANGEMENT INTER-RESEAU ET DISPOSITIF ASSOCIE**

[72] DUAN, XIAOYAN, CN
[72] JIN, HUI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-05-03
[86] 2017-02-17 (PCT/CN2017/074015)
[87] (WO2018/082221)
[30] CN (201610979485.2) 2016-11-04

[11] **3,043,362**
[13] C

[51] **Int.Cl. A47G 19/22 (2006.01) B65D 25/20 (2006.01) B65D 43/02 (2006.01) B65D 51/18 (2006.01) B65D 81/38 (2006.01)**

[25] EN

[54] **CONTAINER WITH AUTOMATIC LID CLOSURE**

[54] **RECIPIENT A FERMETURE DE COUVERCLE AUTOMATIQUE**

[72] SMALDONE, AL, US
[72] GATTO, DANIEL, US
[72] SMALDONE, JAMES, US
[73] AFJ INDUSTRIES LLC, US
[85] 2019-05-08
[86] 2017-11-08 (PCT/US2017/060678)
[87] (WO2018/089525)
[30] US (62/419,173) 2016-11-08
[30] US (62/460,388) 2017-02-17

[11] **3,043,527**
[13] C

[51] **Int.Cl. A47L 13/17 (2006.01)**

[25] EN

[54] **PRE-MOISTENED CLEANING PADS**

[54] **TAMPONS DE NETTOYAGE PRE-HUMIDIFIES**

[72] SONG, CUNMING, US
[72] BAO, HAILING, US
[72] DE BEER, ANTONIUS LAMBERTUS, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-05-09
[86] 2017-12-07 (PCT/US2017/064997)
[87] (WO2018/106853)
[30] US (62/431,489) 2016-12-08

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[11] **3,043,961**
[13] C

[51] **Int.Cl. G10L 21/0272 (2013.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DECOMPOSING AN AUDIO SIGNAL USING A VARIABLE THRESHOLD**
[54] **APPAREIL ET PROCÉDE POUR DECOMPOSER UN SIGNAL AUDIO AU MOYEN D'UN SEUIL VARIABLE**
[72] ADAMI, ALEXANDER, DE
[72] HERRE, JUERGEN, DE
[72] DISCH, SASCHA, DE
[72] GHIDO, FLORIN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2019-05-15
[86] 2017-11-16 (PCT/EP2017/079520)
[87] (WO2018/091618)
[30] EP (16199405.8) 2016-11-17

[11] **3,044,962**
[13] C

[51] **Int.Cl. G01S 15/89 (2006.01) G01V 1/38 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SYNTHETIC APERTURE SONAR**
[54] **SYSTEMES ET PROCÉDES POUR UN SONAR A SYNTHESE D'OUVERTURE**
[72] RIKOSKI, RICHARD J., US
[73] HADAL, INC., US
[86] (3044962)
[87] (3044962)
[22] 2012-05-07
[62] 2,835,239
[30] US (61/483549) 2011-05-06

[11] **3,045,285**
[13] C

[51] **Int.Cl. F16C 32/04 (2006.01)**
[25] EN
[54] **BALANCED SWITCHING AMPLIFIER FOR A MAGNETIC BEARING ASSEMBLY**
[54] **AMPLIFICATEUR DE COMMUTATION EQUILIBRE POUR ENSEMBLE PALIER MAGNETIQUE**
[72] FIELD, ROBERT JETT, US
[72] TREUBERT, KIRK J., US
[73] SYNCHRONY, INC., US
[85] 2019-05-28
[86] 2017-10-23 (PCT/US2017/057828)
[87] (WO2018/102048)
[30] US (62/428,077) 2016-11-30

[11] **3,045,721**
[13] C

[51] **Int.Cl. A01K 47/06 (2006.01)**
[25] EN
[54] **INOCULATION SYSTEMS FOR BEE HIVES AND RELATED METHODS**
[54] **SYSTEMES D'INOCULATION POUR RUCHES D'ABEILLES ET PROCÉDES ASSOCIES**
[72] COLLINSON, MICHAEL, CA
[72] MOELLER, ROBERT, CA
[72] DICKS, PETER, CA
[73] BEE VECTORING TECHNOLOGY INC., CA
[85] 2019-05-31
[86] 2017-12-01 (PCT/CA2017/051450)
[87] (WO2018/098589)
[30] US (62/429,357) 2016-12-02

[11] **3,045,865**
[13] C

[51] **Int.Cl. B08B 9/049 (2006.01) B08B 9/051 (2006.01)**
[25] EN
[54] **COMPLETE STRONG SUPPORTING SINGLE DRIVE TWO-WAY CRAWLING TYPE PIPELINE CLEANING ROBOT**
[54] **ROBOT DE NETTOYAGE DE CANALISATION COMPLET DE TYPE RAMPANT A DOUBLE SENS, A ENTRAINEMENT UNIQUE ET A SUPPORT SOLIDE**
[72] LIU, SONGYONG, CN
[72] XIE, QIZHI, CN
[72] CUI, XINXIA, CN
[72] JIANG, HONGXIANG, CN
[72] LI, WEI, CN
[72] SHEN, GANG, CN
[72] TANG, WEI, CN
[72] LIU, HOUGUANG, CN
[72] YANG, JIANHUA, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[73] XUZHOU ZHIRUN MINING EQUIPMENT SCIENCE AND TECHNOLOGY CO., LTD, CN
[85] 2019-05-10
[86] 2018-05-08 (PCT/CN2018/085976)
[87] (WO2018/205920)
[30] CN (201710328193.7) 2017-05-11

[11] **3,046,101**
[13] C

[51] **Int.Cl. A61F 2/966 (2013.01)**
[25] EN
[54] **COUPLING UNITS FOR MEDICAL DEVICE DELIVERY SYSTEMS**
[54] **UNITES DE D'ACCOUPEMENT POUR SYSTEMES DE POSE DE DISPOSITIF MEDICAL**
[72] NAGESWARAN, ASHOK, US
[72] DANG, CONG, US
[72] BARRETT, AARON, US
[72] PHAN, JAMES, US
[73] COVIDIEN LP, US
[85] 2019-06-04
[86] 2018-01-19 (PCT/US2018/014510)
[87] (WO2018/136789)
[30] US (15/410,444) 2017-01-19

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[11] **3,046,581**
[13] C

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[25] EN
[54] **MOLD POSITIONING DEVICE**
[54] **DISPOSITIF DE POSITIONNEMENT DE MOULE**
[72] HONTHEIM, DANIEL, DE
[72] BRAND, DIETMAR TIEMO, CA
[72] FISCH, RALF W., DE
[72] KMOCH, SVEN, DE
[72] KROMBERG, ANDRE A., CA
[72] LOOIJE, ADRIAN P., CA
[72] LOOIJE, PETER A., CA
[72] LUIJS, RUUD, NL
[72] MANDA, JAN M., CA
[72] PAPA, RENATO, CA
[72] SCHLUMS, DIRK, CA
[72] TENG, ALEX, CA
[72] WITZ, JEAN-CHRISTOPHE, FR
[72] GOW, GEOFFREY A., CA
[72] SODARO, BRUNO G., CA
[72] BRADSHAW, MAXFIELD P., CA
[73] HUSKY INJECTION MOLDING SYSTEMS, LTD., CA
[86] (3046581)
[87] (3046581)
[22] 2013-12-06
[62] 2,972,004
[30] US (61/761354) 2013-02-06
[30] US (61/840095) 2013-06-27
[30] US (61/875764) 2013-09-10

[11] **3,046,995**
[13] C

- [51] **Int.Cl. H04L 29/06 (2006.01) H04L 12/951 (2013.01) H04L 9/32 (2006.01) H04L 12/66 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DYNAMIC NETWORK FUNCTION VIRTUALIZATION PROCESSING**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE VIRTUALISATION DE FONCTION DE RESEAU DYNAMIQUE**
[72] KOAT, PETER, CA
[72] BUSCH, CHRISTOPHER, CA
[73] INCOGNITO SOFTWARE SYSTEMS INC., CA
[85] 2019-06-13
[86] 2016-12-14 (PCT/CA2016/051471)
[87] (WO2018/107262)

[11] **3,047,001**
[13] C

- [51] **Int.Cl. F04D 13/10 (2006.01) F04D 1/06 (2006.01) F04D 29/44 (2006.01) F04D 29/60 (2006.01)**
[25] EN
[54] **DIFFUSER ANTI-ROTATION SYSTEM AND APPARATUS**
[54] **SYSTEME ET APPAREIL ANTI-ROTATION DE DIFFUSEUR**
[72] WEBSTER, JOSHUA WAYNE, US
[72] NOWITZKI, WESLEY JOHN, US
[72] ROBERTS, RANDY S., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-06-12
[86] 2018-02-08 (PCT/US2018/017443)
[87] (WO2018/148423)
[30] US (62/458,263) 2017-02-13

[11] **3,047,003**
[13] C

- [51] **Int.Cl. E21B 33/08 (2006.01) F04B 47/02 (2006.01) F04B 53/02 (2006.01)**
[25] EN
[54] **WIPER RING ASSEMBLY WITH ENERGIZING MEMBER**
[54] **ENSEMBLE D'ANNEAUX FROTTEURS AYANT UN ELEMENT D'EXCITATION**
[72] STACHOWIAK, JOHN E., JR., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (3047003)
[87] (3047003)
[22] 2019-06-17
[30] US (16/026,296) 2018-07-03

[11] **3,047,795**
[13] C

- [51] **Int.Cl. A01B 73/06 (2006.01) A01D 34/13 (2006.01) A01D 41/06 (2006.01) A01D 45/00 (2018.01) A01D 89/00 (2006.01)**
[25] EN
[54] **HARVESTER COMBINE HEADER ASSEMBLY**
[54] **ENSEMBLE D'ORGANES DE COUPE DE MOISSONNEUSE-BATTEUSE**
[72] NUSS, NEAL, US
[73] NUSS, NEAL, US
[85] 2019-06-19
[86] 2018-01-24 (PCT/US2018/015055)
[87] (WO2018/140500)
[30] US (15/418,682) 2017-01-28

[11] **3,048,135**
[13] C

- [51] **Int.Cl. A62C 37/11 (2006.01) A62C 31/02 (2006.01) A62C 37/08 (2006.01) A62C 37/12 (2006.01) A62C 37/14 (2006.01) A62C 37/16 (2006.01)**
[25] EN
[54] **DIRECT COUPLING COMPATIBLE SPRINKLER**
[54] **EXTINCTEUR COMPATIBLE A COUPLAGE DIRECT**
[72] BANCROFT, PHILIP WAYNE, US
[72] WAKE, DANIEL, US
[72] SALEH, AHMED, US
[72] BOWMAN, MATTHEW A., US
[72] HANEY, CRAIG, US
[73] VICTAULIC COMPANY, US
[85] 2019-06-21
[86] 2017-08-08 (PCT/US2017/045903)
[87] (WO2018/136113)
[30] US (62/448,105) 2017-01-19
[30] US (62/520,668) 2017-06-16

[11] **3,048,474**
[13] C

- [51] **Int.Cl. E21B 33/04 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **SUBSURFACE HANGER FOR UMBILICAL DEPLOYED ELECTRICAL SUBMERSIBLE PUMP**
[54] **DISPOSITIF DE SUSPENSION SOUTERRAIN POUR POMPE SUBMERSIBLE ELECTRIQUE DEPLOYEE OMBILICALE**
[72] LASTRA, RAFAEL ADOLFO, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-06-25
[86] 2018-01-03 (PCT/US2018/012146)
[87] (WO2018/129013)
[30] US (62/441,635) 2017-01-03

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[11] **3,049,544**
[13] C

[51] **Int.Cl. E21B 43/295 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **USE OF NATURAL GAS FOR WELL ENHANCEMENT**
[54] **UTILISATION DU GAZ NATUREL POUR LA MISE EN VALEUR DE PUIITS**
[72] VOIGT, SHAWN, US
[72] KNIGHT, KOBY, US
[73] STABILIS ENERGY LLC, US
[86] (3049544)
[87] (3049544)
[22] 2019-07-12
[30] US (62/698,350) 2018-07-16
[30] US (16/508,845) 2019-07-11

[11] **3,049,648**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/53 (2006.01)**
[25] EN
[54] **PYRROLOTRIAZINE DERIVATIVES AS KINASE INHIBITOR**
[54] **DERIVES DE PYRROLOTRIAZINE UTILISES EN TANT QU'INHIBITEUR DE KINASE**
[72] KIM, IN WOO, KR
[72] YOO, JA KYUNG, KR
[72] KIM, JI DUCK, KR
[72] JUN, SUN AH, KR
[72] LEE, JUN HEE, KR
[73] DAEWOONG PHARMACEUTICAL CO., LTD., KR
[85] 2019-07-08
[86] 2018-03-19 (PCT/KR2018/003140)
[87] (WO2018/169373)
[30] KR (10-2017-0034059) 2017-03-17

[11] **3,049,923**
[13] C

[51] **Int.Cl. A61B 17/326 (2006.01)**
[25] EN
[54] **PREPUCE EXTRUDING, CUTTING, HEMOSTASIS, AND HEALING ASSEMBLY USING ULTRASONIC WAVE**
[54] **ENSEMBLE D'EXTRUSION, DE COUPE, D'HEMOSTASE ET DE CICATRISATION DE PREPUCE UTILISANT UNE ONDE ULTRASONORE**
[72] SHANG, JINGJING, CN
[72] SHANG, JIANZHONG, CN
[73] WUHU SHANGRING TECHNOLOGY CO., LTD, CN
[85] 2019-07-11
[86] 2018-01-11 (PCT/CN2018/072184)
[87] (WO2018/130168)
[30] CN (201720048313.3) 2017-01-16

[11] **3,050,164**
[13] C

[51] **Int.Cl. H04W 24/00 (2009.01) H04W 12/06 (2021.01) H04W 4/029 (2018.01) H04W 4/50 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EVALUATING WIRELESS DEVICE AND WIRELESS NETWORK PERFORMANCE**
[54] **SYSTEME ET PROCEDE D'EVALUATION DE LA PERFORMANCE D'UN DISPOSITIF SANS FIL ET D'UN RESEAU SANS FIL**
[72] CHOW, BRENNEN STEPHEN, CA
[72] MACDONALD, HUNTER BANFORD BULMER, CA
[72] YARISH, DAVID DANIEL, CA
[72] KROEKER, ANTHONY SEAN, CA
[72] NEVILLE, STEPHEN WILLIAM, CA
[72] DARCIE, THOMAS E., CA
[73] TUTELA TECHNOLOGIES LTD., CA
[85] 2019-07-16
[86] 2018-01-16 (PCT/CA2018/050042)
[87] (WO2018/132901)
[30] US (62/447,239) 2017-01-17

[11] **3,050,316**
[13] C

[51] **Int.Cl. A01K 91/04 (2006.01) A01K 91/00 (2006.01) A01K 97/00 (2006.01) B25B 7/14 (2006.01) B25B 7/22 (2006.01) B25F 1/04 (2006.01) B25B 7/02 (2006.01) B25B 7/08 (2006.01)**
[25] EN
[54] **LINE MANAGEMENT TOOL**
[54] **OUTIL DE GESTION DE LIGNE**
[72] HARDINGE, HAL, US
[72] LANGENWALTER, KEITH, US
[72] HARTZELL, CHARLIE, US
[72] JARAMUS, SETH, US
[73] FISKARS BRANDS, INC., US
[85] 2019-07-15
[86] 2018-02-02 (PCT/US2018/016675)
[87] (WO2018/144889)
[30] US (62/455,372) 2017-02-06

[11] **3,051,352**
[13] C

[51] **Int.Cl. B61L 15/00 (2006.01) B60T 13/66 (2006.01)**
[25] EN
[54] **MID OF TRAIN UNIT**
[54] **UNITE DE TERMINAL INTERNET MOBILE DE TRAIN**
[72] BOLTE, MATTHEW, US
[72] FERNANDES, MARIO, US
[73] SIEMENS MOBILITY, INC., US
[85] 2019-07-23
[86] 2017-01-25 (PCT/US2017/014847)
[87] (WO2018/139998)

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[11] **3,052,457**
[13] C

[51] **Int.Cl. A61M 5/172 (2006.01) G16H 20/17 (2018.01) G16H 50/00 (2018.01) A61B 5/145 (2006.01) A61M 5/142 (2006.01)**

[25] EN

[54] **METHOD, SYSTEM, AND COMPUTER READABLE MEDIUM FOR CONTROLLING INSULIN DELIVERY USING RETROSPECTIVE VIRTUAL BASAL RATES**

[54] **PROCEDE, SYSTEME ET SUPPORT LISIBLE PAR ORDINATEUR POUR COMMANDER LA DISTRIBUTION D'INSULINE AU MOYEN DE TAUX BASAUX VIRTUELS RETROSPECTIFS**

[72] PATEK, STEPHEN, D., US
[72] BRETON, MARC, D., US
[73] UNIVERSITY OF VIRGINIA PATENT FOUNDATION, US

[85] 2019-08-01
[86] 2018-02-05 (PCT/US2018/016837)
[87] (WO2018/144992)
[30] US (62/454,282) 2017-02-03

[11] **3,052,732**
[13] A1

[51] **Int.Cl. G16H 80/00 (2018.01) G16H 10/60 (2018.01) G16H 20/00 (2018.01) A61B 5/00 (2006.01) H04N 7/18 (2006.01)**

[25] EN

[54] **WORKFLOW ENGINE FOR HEALTHCARE MANAGEMENT OF A PATIENT**

[54] **MOTEUR DE FLUX DE TRAVAIL POUR LA GESTION DE SOINS DE SANTE D'UN PATIENT**

[72] ELITE, ARNOLD, CA
[72] YIN, JUNJIE, CA
[72] NEWMAN-REED, CHANDLER, CA
[72] LU, ZHENG, CA
[72] BOURASSA, MICHAEL A. J., CA
[72] CHEN, PENGYU, CA
[72] PAQUET, MICHEL, CA
[72] SHIBAEV, GEORGIY, CA
[73] AETONIX SYSTEMS, CA
[73] ELITE, ARNOLD,
[73] YIN, JUNJIE,
[73] NEWMAN-REED, CHANDLER,
[73] LU, ZHENG,
[73] BOURASSA, MICHAEL A. J.,
[73] CHEN, PENGYU,
[73] PAQUET, MICHEL,
[73] SHIBAEV, GEORGIY, CA

[86] (3052732)
[87] (3052732)
[22] 2019-08-22
[30] US (16/119,741) 2018-08-31

[11] **3,053,691**
[13] C

[51] **Int.Cl. B22F 3/105 (2006.01) B33Y 50/02 (2015.01) B29C 64/153 (2017.01) B29C 64/277 (2017.01)**

[25] EN

[54] **METHOD AND DEVICE FOR CONTROLLING AN IRRADIATION SYSTEM FOR PRODUCING WORKPIECES**

[54] **PROCEDE ET DISPOSITIF POUR COMMANDER UN SYSTEME D'IRRADIATION POUR LA FABRICATION DE PIECES**

[72] WIESNER, ANDREAS, DE
[72] WILKES, JAN, DE
[72] THIEL, CHRISTIANE, DE
[72] ROESGEN, LUKAS, DE
[73] SLM SOLUTIONS GROUP AG, DE

[85] 2019-08-15
[86] 2018-01-15 (PCT/EP2018/050843)
[87] (WO2018/153573)
[30] DE (10 2017 202 843.2) 2017-02-22

[11] **3,053,776**
[13] C

[51] **Int.Cl. E21B 10/42 (2006.01) F16B 1/00 (2006.01)**

[25] EN

[54] **MECHANICAL LOCKING MECHANISM USING SHAPE MEMORY MATERIAL**

[54] **MECANISME DE VERROUILLAGE MECANIQUE UTILISANT UN MATERIAU A MEMOIRE DE FORME**

[72] BILEN, JUAN MIGUEL, US
[72] YU, BO, US
[72] EVANS, KENNETH R., US
[73] BAKER HUGHES HOLDINGS LLC, US

[85] 2019-08-15
[86] 2018-02-15 (PCT/US2018/018291)
[87] (WO2018/152279)
[30] US (15/434,206) 2017-02-16

[11] **3,055,439**
[13] C

[51] **Int.Cl. H04L 1/00 (2006.01)**

[25] EN

[54] **AN EFFICIENT INTERLEAVER DESIGN FOR POLAR CODES**

[54] **MODELE D'ENTRELACEUR EFFICACE POUR CODES POLAIRES**

[72] LI, JIAN, US
[72] XU, CHANGLONG, US
[72] WEI, CHAO, US
[72] HOU, JILEI, US
[73] QUALCOMM INCORPORATED, US

[85] 2019-09-05
[86] 2018-03-09 (PCT/CN2018/078555)
[87] (WO2018/188439)
[30] CN (PCT/CN2017/079903) 2017-04-10

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[11] **3,057,119**
[13] C

[51] **Int.Cl. F24F 13/32 (2006.01) F24F 1/60 (2011.01) F24F 1/0043 (2019.01) F24F 1/027 (2019.01) F24F 1/031 (2019.01)**

[25] EN
[54] **WINDOW AIR CONDITIONER**
[54] **CONDITIONNEUR D'AIR DE FENETRE**

[72] ZHANG, KANGWEN, CN
[72] YU, HUI, CN
[72] LIU, YU, CN
[72] XING, ZHIGANG, CN
[73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[85] 2019-09-30
[86] 2019-08-08 (PCT/CN2019/099848)
[87] (WO2020/038239)
[30] CN (201821354639.X) 2018-08-21
[30] CN (201810956185.1) 2018-08-21
[30] CN (201821354665.2) 2018-08-21
[30] CN (201821354663.3) 2018-08-21
[30] CN (201810956881.2) 2018-08-21

[11] **3,058,187**
[13] C

[51] **Int.Cl. A47C 27/07 (2006.01) B32B 7/022 (2019.01) B32B 7/12 (2006.01) B68G 7/054 (2006.01) B68G 9/00 (2006.01)**

[25] EN
[54] **MULTI-LAYERED IMPERMEABLE FABRIC FOR USE IN POCKETED SPRING ASSEMBLY**
[54] **TISSU IMPERMEABLE MULTICOUCHE A UTILISER DANS UN ENSEMBLE RESSORT ENSACHE**

[72] LONG, AUSTIN G., US
[73] L&P PROPERTY MANAGEMENT COMPANY, US
[85] 2019-09-26
[86] 2018-04-27 (PCT/US2018/029694)
[87] (WO2018/204165)
[30] US (15/584,402) 2017-05-02

[11] **3,059,146**
[13] C

[51] **Int.Cl. E04D 13/14 (2006.01) E04B 1/70 (2006.01) E04D 1/36 (2006.01) E04D 13/00 (2006.01) E06B 1/04 (2006.01) E06B 3/00 (2006.01) E06B 7/14 (2006.01)**

[25] EN
[54] **ONE-PIECE SILL PAN FLASHING**
[54] **BANDE D'ETANCHEITE DE COFFRAGE DE SEUIL EN UNE PIECE**

[72] GLICKMAN, JOEL I., US
[72] MCMAHON, KIERAN, US
[73] SILLDRY INDUSTRIES, LLC, US
[85] 2019-10-01
[86] 2018-04-24 (PCT/US2018/029100)
[87] (WO2018/200491)
[30] US (15/496,654) 2017-04-25
[30] US (15/707,321) 2017-09-18

[11] **3,060,682**
[13] C

[51] **Int.Cl. B65H 75/40 (2006.01) A62C 33/00 (2006.01) B62B 1/10 (2006.01) B65H 75/44 (2006.01)**

[25] EN
[54] **HOSE CART**
[54] **DEVIDOIR MOBILE**

[72] FREY, REINER, DE
[72] MULLER-BRAUN, MATTHIAS, DE
[72] SCHLEGEL, TOBIAS, DE
[73] HUSQVARNA AB, SE
[86] (3060682)
[87] (3060682)
[22] 2017-04-24
[62] 3,038,159
[30] DE (10 2016 012 919.0) 2016-10-27

[11] **3,060,733**
[13] C

[51] **Int.Cl. B32B 27/08 (2006.01) B32B 7/02 (2019.01) B32B 27/28 (2006.01) B32B 27/36 (2006.01) B32B 27/40 (2006.01)**

[25] EN
[54] **MULTI-LAYER FILM WITH IMPROVED MODULUS PROPERTIES**
[54] **FILM MULTICOUCHE AVEC PROPRIETES DE MODULE AMELIOREES**

[72] PUDLEINER, HEINZ, DE
[72] MEYER, KLAUS, DE
[72] WINKLER, JURGEN, DE
[72] NICKEL, JOERG, DE
[72] PEHLERT, CRAIG, US
[72] LI, CHUNHUA, US
[72] CHEN, YAN, US
[72] BRAUER, WOLFGANG, DE
[73] ALIGN TECHNOLOGY, INC., US
[86] (3060733)
[87] (3060733)
[22] 2013-05-10
[62] 2,873,100
[30] US (PCT/US2012/037745) 2012-05-14

[11] **3,061,846**
[13] C

[51] **Int.Cl. H04L 12/825 (2013.01) H04L 12/917 (2013.01) H04L 12/26 (2006.01)**

[25] EN
[54] **COMMUNICATIONS BASE STATION WITH DECISION FUNCTION FOR DISTRIBUTING TRAFFIC ACROSS MULTIPLE BACKHAULS**
[54] **STATION DE BASE DE COMMUNICATION DOTEE D'UNE FONCTION DE DECISION POUR LA REPARTITION DU TRAFIC SUR PLUSIEURS LIAISONS TERRESTRES**

[72] RODDY, WARREN, US
[72] XU, HAIBO, US
[72] GELL, DAVID, US
[72] STANWOOD, KENNETH, US
[73] WI-LAN LABS, INC., CA
[86] (3061846)
[87] (3061846)
[22] 2012-07-06
[62] 2,892,470
[30] US (61/505,262) 2011-07-07
[30] US (13/367,229) 2012-02-06

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[11] **3,062,616**

[13] C

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- [25] EN
- [54] **MICRONEEDLE PERCUTANEOUS PATCH CONTAINING DONEPEZIL**
- [54] **TIMBRE PERCUTANE A MICRO-AIGUILLES CONTENANT DU DONEPEZIL**
- [72] KIM, TAE HYUNG, KR
- [72] LEE, BOOYONG, KR
- [72] KIM, JUNG DONG, KR
- [72] JEONG, DO HYEON, KR
- [72] SHIN, DONGCHUL, KR
- [72] HWANG, YONGYOUN, KR
- [72] NAM, YUN-SUN, KR
- [72] LEE, JOO HAN, KR
- [72] AN, EUN JIN, KR
- [73] BORYUNG PHARMACEUTICAL CO., LTD, KR
- [73] RAPHAS CO., LTD., KR
- [85] 2019-11-06
- [86] 2018-05-16 (PCT/KR2018/005614)
- [87] (WO2018/212592)
- [30] KR (10-2017-0062465) 2017-05-19

[11] **3,062,767**

[13] C

- [51] **Int.Cl. G08G 5/00 (2006.01) G08G 5/04 (2006.01) G08G 5/06 (2006.01)**
- [25] EN
- [54] **CONTROL SYSTEM AT AN AIRPORT**
- [54] **SYSTEME DE COMMANDE DANS UN AEROPORT**
- [72] HAKANSSON, OLA, SE
- [73] ADB SAFEGATE SWEDEN AB, SE
- [85] 2019-11-07
- [86] 2018-05-22 (PCT/EP2018/063299)
- [87] (WO2018/215411)
- [30] EP (17172453.7) 2017-05-23

[11] **3,063,717**

[13] C

- [51] **Int.Cl. A61K 47/54 (2017.01) C12Q 1/6809 (2018.01) A61K 31/65 (2006.01) A61K 31/7048 (2006.01) A61P 35/00 (2006.01) C07H 17/08 (2006.01) G01N 33/48 (2006.01)**
- [25] EN
- [54] **ANTIMITOSCINS: TARGETED INHIBITORS OF MITOCHONDRIAL BIOGENESIS FOR ERADICATING CANCER STEM CELLS**
- [54] **ANTIMITOSCINES : INHIBITEURS CIBLES DE BIOGENESE MITOCHONDRIALE POUR ERADIQUER LES CELLULES SOUCHES CANCEREUSES**
- [72] LISANTI, MICHAEL P., US
- [72] SOTGIA, FEDERICA, US
- [73] LUNELLA BIOTECH, INC., CA
- [85] 2019-11-14
- [86] 2018-05-18 (PCT/US2018/033466)
- [87] (WO2018/213751)
- [30] US (62/508,702) 2017-05-19

[11] **3,064,244**

[13] C

- [51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/57 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
- [25] EN
- [54] **AEROSOL INHALATOR, CONTROL DEVICE FOR THE SAME, METHOD OF CONTROLLING THE SAME, AND METHOD OF OPERATING CONTROL DEVICE FOR THE SAME AND PROGRAM**
- [54] **INHALATEUR AEROSOL, DISPOSITIF DE CONTROLE CONNEXE, METHODE DE CONTROLE CONNEXE, METHODE D'UTILISATION DU DISPOSITIF DE CONTROLE CONNEXE ET PROGRAMME**
- [72] MIZUGUCHI, KAZUMA, JP
- [72] AKAO, TAKESHI, JP
- [72] NAKANO, TAKUMA, JP
- [72] TSUJI, MASAYUKI, JP
- [72] FUJITA, HAJIME, JP
- [73] JAPAN TOBACCO INC., JP
- [86] (3064244)
- [87] (3064244)
- [22] 2019-12-06
- [30] JP (236963/2018) 2018-12-19

[11] **3,065,787**

[13] C

- [51] **Int.Cl. E21B 7/08 (2006.01) E21B 47/02 (2006.01) E21B 17/20 (2006.01)**
- [25] EN
- [54] **LOAD-BEARING UNIVERSAL JOINT WITH SELF-ENERGIZING SEALS FOR A ROTARY STEERABLE DRILLING TOOL**
- [54] **JOINT UNIVERSEL PORTEUR AVEC JOINTS D'ETANCHEITE AUTO-SERREURS POUR UN OUTIL DE FORAGE ROTARY ORIENTABLE**
- [72] PATWA, RUCHIR SHIRISH, US
- [72] WINSLOW, DANIEL, US
- [72] DEOLALIKAR, NEELESH, US
- [73] HALLIBURTON ENERGY SERVICES, INC., US
- [86] (3065787)
- [87] (3065787)
- [22] 2015-03-06
- [62] 2,974,493

[11] **3,071,103**

[13] C

- [51] **Int.Cl. A47L 15/50 (2006.01) A47J 45/00 (2006.01) A47J 47/16 (2006.01) A47J 47/20 (2019.01)**
- [25] EN
- [54] **DIRTY SILVERWARE RETRIEVING DEVICE FOR EATING ESTABLISHMENTS**
- [54] **DISPOSITIF DE RECUPERATION D'ARGENTERIE SALE POUR ETABLISSEMENTS DE RESTAURATION**
- [72] NASSER, LINA MARIA, US
- [73] NASSER, LINA MARIA, US
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[54] **SYSTEM AND METHOD FOR PREVENTING MALICIOUS CAN BUS ATTACKS**
[54] **SYSTEME ET PROCEDE DE PREVENTION D'ATTAQUES MALVEILLANTES DE BUS CAN**
[72] KAMIR, EYAL, IL
[72] FOK, ALEXANDER, IL
[72] TUCHMAN, YANIV, IL
[72] BITTON, AVI, IL
[72] FRIEDMAN, URIEL, IL
[72] DALI, MENI, IL
[72] MALKA, YONI, IL
[73] ENIGMATOS LTD., IL
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[13] C

[51] **Int.Cl. G02B 7/182 (2021.01) G02B 23/16 (2006.01)**
[25] FR
[54] **TELESCOPE WITH IMPROVED PERFORMANCE AND SIMPLIFIED MOUNTING**
[54] **TELESCOPE A PERFORMANCE AMELIOREE ET MONTAGE SIMPLIFIE**
[72] HOELTZEL, CHARLOTTE, FR
[72] TACCONI, CEDRIC, FR
[72] FURUI, CHRISTOPHE, FR
[72] SEILLIER, FRANCK, FR
[72] ANNA, GUILLAUME, FR
[73] SAFRAN ELECTRONICS & DEFENSE, FR
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[25] EN
[54] **PROCESSES AND SYSTEMS FOR METABOLITE PRODUCTION USING HYDROGEN RICH C1-CONTAINING SUBSTRATES**
[54] **PROCEDES ET SYSTEMES DE PRODUCTION DE METABOLITES A L'AIDE DE SUBSTRATS CONTENANT DES COMPOSES EN C1 RICHES EN HYDROGENE**
[72] CONRADO, ROBERT JOHN, US
[72] WATERS, GUY WILLIAM, US
[72] PUGLISI, MATTHEW, US
[72] CONOLLY, JOSHUA JEREMY, US
[73] LANZATECH, INC., US
[85] 2020-02-27
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[30] US (62/556,099) 2017-09-08

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[13] C

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[54] **AUTOMATIC DOUBLE-ACTION FASTENER INSTALLATION TOOL**
[54] **OUTIL AUTOMATIQUE A DOUBLE ACTION PERMETTANT L'INSTALLATION D'UN ELEMENT DE FIXATION**
[72] COBZARU, CRISTINEL, US
[73] SPS TECHNOLOGIES, LLC, US
[85] 2020-05-05
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[13] C

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[54] **CROSS PRODUCT ENHANCED HARMONIC TRANSPOSITION**
[54] **TRANSPOSITION HARMONIQUE AMELIOREE DE PRODUIT D'INTERMODULATION**
[72] VILLEMOES, LARS, SE
[72] HEDELIN, PER, SE
[73] DOLBY INTERNATIONAL AB, NL
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[87] (3084938)
[22] 2010-01-15
[62] 3,009,237
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[13] C

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[25] EN
[54] **LOOP SWITCHER, CONTROLLERS THEREFOR AND METHODS FOR CONTROLLING AN ARRAY OF AUDIO EFFECT DEVICES**
[54] **COMMUTATEURS BOUCLES, CONTROLEURS ET METHODES DE CONTROLE D'UN ENSEMBLE DE DISPOSITIFS D'EFFETS SONORES**
[72] ROBERTSON, LUKE STEWART, CA
[73] ROBERTSON, LUKE STEWART, CA
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[54] **AUDIO DECODING WITH SELECTIVE POST FILTERING**

[54] **DECODAGE AUDIO AVEC POST-FILTRAGE SELECTIFEURS OU CODEURS**

[72] RESCH, BARBARA, SE

[72] KJORLING, KRISTOFER, SE

[72] VILLEMOS, LARS, SE

[73] DOLBY INTERNATIONAL AB, NL

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[54] **TRANSACTION PROCESSING METHOD AND SYSTEM, AND SERVER**

[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE TRANSACTION, ET SERVEUR**

[72] ZHOU, JIAJING, CN

[72] MIAO, HAO, CN

[72] ZHOU, JIEN, CN

[73] CHINA UNIONPAY CO., LTD., CN

[85] 2020-09-18

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[25] EN

[54] **STOCKINGFOOT WADER**

[54] **PANTALON-BOTTES A CHAUSSETTES**

[72] GIBSON, ROBERT, US

[72] GUSTAFSON, DEREK, US

[72] QUAY, SIMON, US

[72] GRODKIEWICZ, JEREMY, US

[73] SIMMS FISHING PRODUCTS LLC, US

[85] 2020-11-25

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[25] EN

[54] **EPINEPHRINE COMPOSITIONS AND CONTAINERS**

[54] **COMPOSITIONS ET RECIPIENTS D'EPINEPHRINE**

[72] AKASAPU, PREM SAGAR, US

[72] SOPPIMATH, KUMARESH, US

[72] PURI, REEMA AJITKUMAR, US

[72] ILITCHEV, IOURI V., US

[72] PATEL, MILAN, US

[72] TENDULKAR, POOJA H., US

[73] NEVAKAR INC., US

[85] 2020-09-10

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[54] **PERIMETER SEAL FOR A FACE MASK**

[54] **ETANCHEITE PERIMETRIQUE POUR MASQUE**

[72] BOWEN, MICHAEL L., US

[72] BENNETT, RICHARD, US

[73] PRESTIGE AMERITECH, LTD., US

[86] (3096379)

[87] (3096379)

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[25] EN

[54] **TECHNOLOGIES FOR FILE SHARING**

[54] **TECHNOLOGIES DE PARTAGE DE FICHIERS**

[72] ROCHE, GABINO M., JR., US

[73] SAPHYRE, INC., US

[85] 2020-12-07

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[54] **MANAGEMENT OF MOVING OUTDOOR ADVERTISING**

[54] **GESTION DE PUBLICITE EXTERIEURE MOBILE**

[72] BINKLEY, CASEY MANSEL, CA

[72] LEVY, ZACHARY AARON, CA

[73] HAULERADS INC., CA

[85] 2020-10-16

[86] 2020-06-26 (PCT/CA2020/050895)

[87] (3096492)

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[13] C

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[54] **PATIENT SUPPORT APPARATUS WITH CAREGIVER REMINDERS**

[54] **APPAREIL DE SUPPORT DE PATIENT AVEC RAPPELS POUR SOIGNANT**

[72] NAHAVANDI, KUROSH, US

[72] NIBAKUZE, PLACIDE, US

[72] BUICK, DAVID, US

[73] STRYKER CORPORATION, US

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[25] EN
[54] **MOBILITY DEVICE**
[54] **DISPOSITIF DE MOBILITE**
[72] JAHKEL, JONAS, SE
[73] PERMOBIL AB, SE
[85] 2021-01-18
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[87] (WO2020/016358)
[30] EP (18184460.6) 2018-07-19

[11] **3,108,793**
[13] C

[51] **Int.Cl. F24F 3/044 (2006.01) F24F 11/74 (2018.01) F24F 3/14 (2006.01) F24F 5/00 (2006.01)**

[25] EN
[54] **AIR-CONDITIONING SYSTEM AND AIR-CONDITIONING SYSTEM CONTROLLER**
[54] **SYSTEME DE CLIMATISATION ET DISPOSITIF DE COMMANDE DE SYSTEME DE CLIMATISATION**
[72] TSUBOUCHI, MASAFUMI, JP
[72] ARAMAKI, TAKUMA, JP
[72] NAKASONE, TAKAAKI, JP
[72] FUNADA, NAOYUKI, JP
[72] KONISHI, AYUMI, JP
[73] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
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[86] 2019-10-02 (PCT/JP2019/038974)
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[30] JP (2018-192204) 2018-10-11
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[11] **3,111,258**
[13] C

[51] **Int.Cl. F16B 23/00 (2006.01) B21K 1/56 (2006.01) F16B 35/00 (2006.01) F16B 37/00 (2006.01)**

[25] EN
[54] **HOLLOW METAL SCREW AND METHOD OF MAKING**
[54] **VIS METALLIQUE CREUSE ET PROCEDE DE FABRICATION**
[72] HUTTER, CHARLES G., US
[73] PHYSICAL SYSTEMS, INC., US
[86] (3111258)
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[13] C

[51] **Int.Cl. F04B 15/02 (2006.01) F04B 9/08 (2006.01) F04B 9/10 (2006.01) F04B 49/06 (2006.01) F04B 51/00 (2006.01)**

[25] EN
[54] **SYSTEM FOR MONITORING CONCRETE PUMPING SYSTEMS**
[54] **SYSTEME DE SURVEILLANCE DE SYSTEMES DE POMPAGE DE BETON**
[72] VASQUEZ, JULIO, US
[73] VASQUEZ, JULIO, US
[85] 2021-03-18
[86] 2019-09-23 (PCT/US2019/052428)
[87] (WO2020/068667)
[30] US (62/738,603) 2018-09-28

[11] **3,113,543**
[13] C

[51] **Int.Cl. G06F 21/64 (2013.01)**

[25] EN
[54] **SYSTEMS AND COMPUTER-BASED METHODS OF DOCUMENT CERTIFICATION AND PUBLICATION**
[54] **SYSTEMES ET PROCEDES BASES SUR DES ORDINATEURS POUR LA CERTIFICATION ET LA PUBLICATION DE DOCUMENTS**
[72] JARRY-LACOMBE, LUC, FR
[72] LANGARD, VINCENT, FR
[73] BLOCKCHAIN CERTIFIED DATA, FR
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[13] A1
[51] **Int.Cl. B42D 15/00 (2006.01)**
[25] EN
[54] **MERCURY RETROGRADE
ADVENT CALENDAR**
[54] **CALENDRIER DE L'AVENT DE
MERCURE EN RETROGRADE**
[72] UNKNOWN, XX
[71] KETLO, BRANDY, CA
[22] 2020-02-14
[41] 2021-08-14

[21] **3,071,673**
[13] A1
[51] **Int.Cl. G01N 1/10 (2006.01)**
[25] EN
[54] **NO TITLE SPECIFIED**
[54] **AUCUN TITRE SPECIFIE**
[72] MAZAHERI TEHRANI, BEHRANG,
CA
[71] MAZAHERI TEHRANI, BEHRANG,
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[22] 2020-02-09
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[21] **3,071,839**
[13] A1
[51] **Int.Cl. G01P 13/00 (2006.01) H05B
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[25] EN
[54] **ROOM TYPE DETERMINATIONS
WITH MOTION SENSORS**
[54] **DETERMINATION DU TYPE DE
SALLE AU MOYEN DE
CAPTEURS DE MOUVEMENT**
[72] DABLEH, ROUMANOS, CA
[71] JDRF ELECTROMAG
ENGINEERING INC., CA
[22] 2020-02-10
[41] 2021-08-10

[21] **3,071,883**
[13] A1
[51] **Int.Cl. G06Q 50/26 (2012.01)**
[25] EN
[54] **LAW ENFORCEMENT INTER-
AGENCY MESSAGING
PLATFORM/APPLICATION**
[54] **PLATEFORME/APPLICATION DE
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ORGANISMES D'APPLICATION
DE LA LOI**
[72] BEGIN, AARON C., CA
[71] BEGIN, AARON C., CA
[22] 2020-02-10
[41] 2021-08-10

[21] **3,071,920**
[13] A1
[51] **Int.Cl. B65D 73/00 (2006.01) B42D
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[25] EN
[54] **HEART RESCUE WALLET CARD**
[54] **CARTE DE SAUVETAGE DU
COEUR A GARDER DANS LE
PORTEFEUILLE**
[72] FUNK, JENNIFER JEAN, CA
[72] BUCHANAN, DOUGLAS WILLIAM,
CA
[72] BUCKMASTER, ASHLEY ANNE, CA
[72] BUCHANAN, GEOFFREY LLOYD
ABBOTT, CA
[72] BUCHANAN, ROSS ALEXANDER,
CA
[71] FUNK, JENNIFER JEAN, CA
[71] BUCHANAN, DOUGLAS WILLIAM,
CA
[71] BUCKMASTER, ASHLEY ANNE, CA
[71] BUCHANAN, GEOFFREY LLOYD
ABBOTT, CA
[71] BUCHANAN, ROSS ALEXANDER,
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[13] A1
[51] **Int.Cl. A47G 25/40 (2006.01)**
[25] EN
[54] **COLLAPSIBLE AND LOCKING
CLOTHES HANGER**
[54] **SUPPORT A VETEMENTS PLIANT
ET VERROUILLABLE**
[72] CARDINAL, JUSTIN, CA
[71] CARDINAL, JUSTIN, CA
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[41] 2021-08-11

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[13] A1
[51] **Int.Cl. B32B 27/36 (2006.01) B32B
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[25] EN
[54] **THIN FILM FOR WASTE
PACKING**
[54] **PELLICULE MINCE POUR
L'EMBALLAGE DE DECHETS**
[72] GINOSATIS, DIMITRIS, GR
[71] FLEXOPACK S.A., GR
[22] 2020-02-10
[41] 2021-08-10

[21] **3,072,220**
[13] A1
[51] **Int.Cl. F24H 1/00 (2006.01) F24F
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F24H 8/00 (2006.01) F28D 17/00
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[25] EN
[54] **TEMPERATURE CONTROL
DEVICE FOR FLUIDS**
[54] **REGULATEUR DE
TEMPERATURE POUR FLUIDES**
[72] TUNG, SHANGWEI, TW
[71] TUNG, SHANGWEI, TW
[22] 2020-02-12
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[13] A1

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[25] EN
[54] **SURPRISE CUP WITH
DETACHABLE PARTITION WALL
FOR A HIDDEN INCENTIVE**
[54] **TASSE SURPRISE A CLOISON
DETACHABLE POUR DEVOILER
UN INCITATIF CACHE**
[72] ABDUL QADER, FAISAL, CA
[71] ABDUL QADER, FAISAL, CA
[22] 2020-02-13
[41] 2021-08-13

[21] **3,072,233**
[13] A1

[51] **Int.Cl. B05B 1/12 (2006.01)**
[25] EN
[54] **ROTOR NOZZLE STRUCTURE
AND WATERING DEVICE**
[54] **STRUCTURE DE BUSE DE ROTOR
ET APPAREIL D'ARROSAGE**
[72] LO, SHUN NAN, CN
[71] YUAN MEI CORP., CN
[22] 2020-02-13
[41] 2021-08-13

[21] **3,072,235**
[13] A1

[51] **Int.Cl. A62B 35/00 (2006.01) A62B
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E04G 21/32 (2006.01)**
[25] EN
[54] **WIDE PLATFORM FALL
PREVENTION AND FALL
RESISTANCE MECHANISM**
[54] **MECANISME DE PREVENTION
DES CHUTES ET DE RESISTANCE
AUX CHUTES SUR PLATEFORME
LARGE**
[72] SOUSA, JOHN C., CA
[71] SOUSA, JOHN C., CA
[22] 2020-02-13
[41] 2021-08-13

[21] **3,072,237**
[13] A1

[51] **Int.Cl. B05B 1/12 (2006.01)**
[25] EN
[54] **STRUCTURE OF ROTOR NOZZLE
AND WATERING DEVICE**
[54] **STRUCTURE DE BUSE DE ROTOR
ET APPAREIL D'ARROSAGE**
[72] LO, SHUN NAN, CN
[71] YUAN MEI CORP., CN
[22] 2020-02-13
[41] 2021-08-13

[21] **3,072,255**
[13] A1

[51] **Int.Cl. E06B 1/02 (2006.01) E04G
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E06B 1/56 (2006.01)**
[25] EN
[54] **FOUNDATION WINDOW
ASSEMBLY AND METHOD FOR
INSTALLING A FOUNDATION
WINDOW FRAME INTO A
FOUNDATION WALL**
[54] **ENSEMBLE DE FENETRE DE
FONDATION ET METHODE
D'INSTALLATION D'UN CHASSIS
DE FENETRE DE FONDATION
DANS UN MUR DE FONDATION**
[72] CROCHETIERE, PATRICK, CA
[72] ROCKWELL, RICHARD, CA
[72] LETOURNEAU, LUC, CA
[71] FENETRE FORM-TECH INC, CA
[22] 2020-02-11
[41] 2021-08-11

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[13] A1

[51] **Int.Cl. A41D 13/11 (2006.01) A01N
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[25] EN
[54] **ENZYME, ANTIBACTERIAL,
ANTIVIRAL AND ANTIFUNGAL
AGENTS COATED SURGICAL
MASK**
[54] **MASQUE CHIRURGICAL
REVETU D'ENZYME ET
D'AGENTS ANTIBACTERIENS,
ANTIVIRAUX ET
ANTIFONGIQUES**
[72] CHUNG, PERLINA, CA
[72] CHUNG, TERENCE, CA
[71] CHUNG, PERLINA, CA
[71] CHUNG, TERENCE, CA
[22] 2020-02-13
[41] 2021-08-13

[21] **3,072,618**
[13] A1

[51] **Int.Cl. G06F 21/60 (2013.01) H04L
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[25] EN
[54] **SYSTEMS AND METHODS FOR
CONTROLLING THIRD-PARTY
ACCESS OF PROTECTED DATA**
[54] **SYSTEMES ET METHODES POUR
CONTROLLER L'ACCES DES
TIERS A DES DONNEES
PROTEGEES**
[72] DUNJIC, MILOS, CA
[72] NGUYEN, ANTHONY HAITUYEN,
CA
[72] TAX, DAVID SAMUEL, CA
[71] THE TORONTO-DOMINION BANK,
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[13] A1

[51] **Int.Cl. C21D 11/00 (2006.01)**
[25] EN
[54] **CONTROL MODULE FOR A HEAT TREATMENT APPARATUS**
[54] **MODULE DE COMMANDE POUR UN APPAREIL DE TRAITEMENT THERMIQUE**
[72] SEXTON, SCOTT, CA
[71] TAURUS TECHNOLOGIES INC., CA
[22] 2020-02-14
[41] 2021-08-14

[21] **3,072,696**
[13] A1

[51] **Int.Cl. A47J 42/38 (2006.01) A47J 42/44 (2006.01)**
[25] EN
[54] **INTELLIGENT COFFEE GRINDER AND WEIGHER**
[54] **MOULIN ET BALANCE A CAFE INTELLIGENTS**
[72] UNKNOWN, XX
[71] SABERI, FARHAD, CA
[22] 2020-02-14
[41] 2021-08-14

[21] **3,072,784**
[13] A1

[51] **Int.Cl. H01M 4/62 (2006.01) H01M 4/13 (2010.01) H01M 10/056 (2010.01)**
[25] FR
[54] **MODIFIED SURFACE ELECTRODES, METHODS OF PREPARATION, AND USES IN ELECTROCHEMICAL CELLS**
[54] **ELECTRODES A SURFACE MODIFIEE, PROCEDES DE PREPARATION, ET UTILISATIONS DANS DES CELLULES ELECTROCHIMIQUES**
[72] DELAPORTE, NICOLAS, CA
[72] LAJOIE, GILLES, CA
[72] COLLIN-MARTIN, STEVE, CA
[72] DARWICHE, ALI, CA
[72] KIM, CHISU, CA
[72] ZAGHIB, KARIM, CA
[72] CLEMENT, DANIEL, CA
[72] VIGEANT, MARIE-JOSEE, CA
[71] HYDRO-QUEBEC, CA
[22] 2020-02-14
[41] 2021-08-14

[21] **3,072,883**
[13] A1

[51] **Int.Cl. G16H 15/00 (2018.01) G06F 3/0488 (2013.01) A61B 5/00 (2006.01) G06F 3/14 (2006.01)**
[25] EN
[54] **BLOOD PRESSURE AND BLOOD GLUCOSE MEASUREMENT AND TRACKING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE MESURE ET DE SUIVI DE LA PRESSION SANGUINE ET DE LA GLYCEMIE**
[72] PADWAL, RAJ, CA
[72] MOTT, WILLIAM, CA
[72] HODGINS, LIAM, CA
[72] WOOD, PETER, CA
[72] RINGROSE, JENNIFER, CA
[71] MMHG INC., CA
[22] 2020-02-19
[41] 2021-08-13
[30] US (62/976,130) 2020-02-13

[21] **3,073,679**
[13] A1

[51] **Int.Cl. B43L 21/00 (2006.01) A41D 15/04 (2006.01) A41D 19/015 (2006.01) B43L 19/00 (2006.01)**
[25] EN
[54] **ERASER GLOVE**
[54] **GANT A EFFACER**
[72] PLESE, NIKOLA I., CA
[71] PLESE, NIKOLA I., CA
[22] 2020-02-25
[41] 2021-08-12
[30] US (16/788,371) 2020-02-12

[21] **3,074,519**
[13] A1

[51] **Int.Cl. A41D 1/06 (2006.01) A41D 31/18 (2019.01) A41D 1/08 (2018.01) A41F 1/08 (2006.01) A41F 11/16 (2006.01)**
[25] EN
[54] **SHORTS AND PANTS HAVING GARTERS**
[54] **CULOTTES COURTES ET PANTALONS AYANT DES JARRETELLES**
[72] NEHME, GEORGE, CA
[71] NEHME, GEORGE, CA
[22] 2020-03-05
[41] 2021-08-14
[30] US (16/791,198) 2020-02-14

[21] **3,081,065**
[13] A1

[51] **Int.Cl. E04F 11/18 (2006.01)**
[25] EN
[54] **WOODEN CORNER MEMBER**
[54] **ELEMENT DE COIN EN BOIS**
[72] CHUNG, MIN-JU, CN
[71] CHUNG, MIN-JU, CN
[22] 2020-05-20
[41] 2021-08-11
[30] CN (202020162793.8) 2020-02-11

[21] **3,081,083**
[13] A1

[51] **Int.Cl. A63B 53/02 (2015.01) A63B 53/00 (2015.01)**
[25] EN
[54] **GOLF CLUB WITH AN ADJUSTABLE SHAFT ANGLE AND METHOD OF ADJUSTING SAME**
[54] **BATON DE GOLF AYANT UN ANGLE DE MANCHE AJUSTABLE ET METHODE D'AJUSTEMENT**
[72] LEBEL, ROGER, CA
[71] LEBEL, ROGER, CA
[22] 2020-05-21
[41] 2021-08-14
[30] US (62/976,860) 2020-02-14

[21] **3,088,806**
[13] A1

[51] **Int.Cl. B05B 15/70 (2018.01) B25J 5/00 (2006.01) B25J 9/18 (2006.01) B25J 19/04 (2006.01)**
[25] EN
[54] **AUTONOMOUS PAINTING ROBOT**
[54] **ROBOT DE PEINTURE AUTONOME**
[72] SOSA GONZALEZ, CARMELO, ES
[71] SOSA GONZALEZ, S.L., ES
[22] 2020-07-29
[41] 2021-08-13
[30] ES (U202030243) 2020-02-13

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[21] **3,089,950**
[13] A1

[51] **Int.Cl. A61L 2/16 (2006.01) A44C 15/00 (2006.01) A45D 34/04 (2006.01) A47K 5/00 (2006.01) B65D 25/38 (2006.01) B65D 83/00 (2006.01)**

[25] EN
[54] **WEARABLE SANITIZER DISPENSER**
[54] **DISTRIBUTEUR DE DESINFECTANT PORTATIF**
[72] MATTHEWS, KIMBERLY KIRBY, US
[71] SANIBEADS, LLC, US
[22] 2020-08-13
[41] 2021-08-12
[30] US (16/789,312) 2020-02-12

[21] **3,090,351**
[13] A1

[51] **Int.Cl. A43B 5/16 (2006.01) A63C 1/38 (2006.01) B29C 44/00 (2006.01)**

[25] EN
[54] **SKATE OR OTHER FOOTWEAR**
[54] **PATIN OU AUTRE CHAUSSURE**
[72] DUBOIS, SEBASTIEN, CA
[72] FRANCIS, CHRISTOPHER, CA
[72] LAVOIE, ROBERT, CA
[72] LAMBERT, SEBASTIEN, CA
[71] BAUER HOCKEY LTD., CA
[22] 2020-08-18
[41] 2021-08-14
[30] US (62/976,392) 2020-02-14

[21] **3,094,493**
[13] A1

[51] **Int.Cl. E05B 47/00 (2006.01) E05B 15/02 (2006.01)**

[25] EN
[54] **ELECTRIC STRIKE INSTALLATION TOOL & METHOD**
[54] **OUTIL ET METHODE D'INSTALLATION DE GACHE ELECTRIQUE**
[72] SCHNARR, ROBERT P., CA
[72] SINGH, MANDEEP, CA
[71] DORMAKABA CANADA INC., CA
[22] 2020-09-25
[41] 2021-08-10
[30] US (62/972340) 2020-02-10

[21] **3,100,013**
[13] A1

[51] **Int.Cl. E21B 21/00 (2006.01) E21B 7/00 (2006.01) E21B 21/08 (2006.01) E21B 36/00 (2006.01)**

[25] EN
[54] **METHOD FOR FORMING HIGH EFFICIENCY GEOTHERMAL WELLBORES USING PHASE CHANGE MATERIALS**
[54] **METHODE DE FORMATION DE Puits GEOTHERMIQUES DE GRANDE EFFICACITE AU MOYEN DE MATERIAUX A CHANGEMENT DE PHASE**
[72] TOEWS, MATTHEW, CA
[72] HOLMES, MICHAEL, CA
[72] HALE, JONATHAN, CA
[72] CURTIS-SMITH, ANDREW, CA
[72] ANDREWS, PETER, CA
[72] CAIRNS, PAUL, CA
[72] TORRE, ARIEL, CA
[71] EAVOR TECHNOLOGIES INC., CA
[22] 2020-11-19
[41] 2021-08-13
[30] US (63/012,952) 2020-04-21

[21] **3,102,333**
[13] A1

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[25] EN
[54] **SPRING BOX FOR WINDOW COVERING**
[54] **BOITE A RESSORT POUR COUVRE-FENETRE**
[72] LIN, WEI-CHING, TW
[72] CHEN, LIN, TW
[71] NIEN MADE ENTERPRISE CO., LTD., CN
[22] 2020-12-10
[41] 2021-08-14
[30] CN (202020169742.8) 2020-02-14

[21] **3,102,613**
[13] A1

[51] **Int.Cl. A47G 1/16 (2006.01) F16B 13/00 (2006.01)**

[25] EN
[54] **WALL MAGNET ANCHOR SYSTEM**
[54] **SYSTEME D'ANCRAGE A AIMANT MURAL**
[72] PATEL, VARUN JAY, US
[71] PATEL, VARUN JAY, US
[22] 2020-12-14
[41] 2021-08-12
[30] US (16/789,018) 2020-02-12

[21] **3,102,918**
[13] A1

[51] **Int.Cl. B25H 3/00 (2006.01) B25H 3/06 (2006.01)**

[25] EN
[54] **BLOCK FOR RECEIVING TOOL ELEMENTS IN A TOOL ARRANGEMENT**
[54] **BLOC POUR RECEVOIR DES ELEMENTS D'OUTIL DANS UNE CONFIGURATION D'OUTIL**
[72] HOHL, WOLFGANG, DE
[72] STARKE, JOHANNES, DE
[72] HOPF, MARCEL, DE
[72] RITTER, OLAF, DE
[71] ADOLF WURTH GMBH & CO. KG, DE
[22] 2020-12-18
[41] 2021-08-10
[30] DE (10 2020 103 316.8) 2020-02-10

[21] **3,102,962**
[13] A1

[51] **Int.Cl. B65D 90/64 (2006.01) C02F 1/00 (2006.01) E03F 7/00 (2006.01) E05C 17/46 (2006.01) F16B 21/00 (2006.01)**

[25] EN
[54] **INTEGRATED LATCH/HOLD-OPEN SYSTEM FOR NEFCO LAUNDER COVERS**
[54] **SYSTEME A VERROU INTEGRE/DE MAINTIEN EN POSITION OUVERTE DE COUVRE-GOULOTTE NEFCO**
[72] KNOWLES, THADDEUS J., US
[71] NEFCO SYSTEMS, INC., US
[22] 2020-12-18
[41] 2021-08-10
[30] US (62/972,097) 2020-02-10
[30] US (17/074,413) 2020-10-19

[21] **3,103,496**
[13] A1

[51] **Int.Cl. B62D 65/02 (2006.01)**

[25] EN
[54] **METHOD FOR ASSEMBLING APPARATUS**
[54] **METHODE D'ASSEMBLAGE D'APPAREIL**
[72] BUSUIOC, CONSTANTIN S., US
[72] BISSONTZ, JAY E., US
[71] INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY, LLC, US
[22] 2020-12-22
[41] 2021-08-14
[30] US (16/791,204) 2020-02-14

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[21] **3,103,878**
[13] A1

[51] **Int.Cl. B25H 3/02 (2006.01)**
[25] EN
[54] **HINGE CONNECTION WHICH IS SEPARABLE FROM A LID OF A TOOL MANAGEMENT DEVICE AT A RECEIVING DEVICE FOR TOOL ELEMENTS**
[54] **CONNEXION DE CHARNIERE QUI PEUT ETRE SEPARÉE D'UN COUVERCLE DE DISPOSITIF DE GESTION D'OUTIL A L'EMPLACEMENT D'UN DISPOSITIF DE RECEPTION POUR DES ELEMENTS D'OUTIL**
[72] HOHL, WOLFGANG, DE
[72] HOPF, MARCEL, DE
[72] STARKE, JOHANNES, DE
[71] ADOLF WURTH GMBH & CO. KG., DE
[22] 2020-12-23
[41] 2021-08-10
[30] DE (10 2020 103 319.2) 2020-02-10

[21] **3,104,302**
[13] A1

[51] **Int.Cl. H04N 21/2668 (2011.01) H04N 21/458 (2011.01) G06Q 30/02 (2012.01) G06N 3/02 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REAL-TIME MATCHING OF PROMOTIONAL CONTENT TO CONSUMED CONTENT**
[54] **METHODE ET APPAREIL POUR LA CORRESPONDANCE EN TEMPS REEL DE CONTENU PROMOTIONNEL ET DE CONTENU CONSOMME**
[72] MENENDEZ, JUAN GERARDO, US
[71] ROVI GUIDES, INC., US
[22] 2020-12-24
[41] 2021-08-12
[30] US (16/789238) 2020-02-12
[30] US (16/789239) 2020-02-12

[21] **3,104,588**
[13] A1

[51] **Int.Cl. D04B 1/12 (2006.01) D04H 3/005 (2012.01)**
[25] EN
[54] **LIGHTWEIGHT RECYCLABLE APPAREL WITH STRETCH PROPERTIES**
[54] **VETEMENT RECYCLABLE LEGER COMPORTANT DES CARACTERISTIQUES ELASTIQUES**
[72] LUI, TAI, US
[72] WU, DEAN, TW
[71] NIKE INNOVATE C.V., US
[22] 2020-12-30
[41] 2021-08-13
[30] US (62/975969) 2020-02-13

[21] **3,105,107**
[13] A1

[51] **Int.Cl. B62D 65/00 (2006.01) B62D 65/18 (2006.01)**
[25] EN
[54] **STRUCTURE FOR ASSEMBLING APPARATUS**
[54] **STRUCTURE D'ASSEMBLAGE D'APPAREIL**
[72] BUSUIOC, CONSTANTIN S., US
[72] BISSONTZ, JAY E., US
[71] INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY, LLC, US
[22] 2021-01-07
[41] 2021-08-14
[30] US (16/790,874) 2020-02-14

[21] **3,105,229**
[13] A1

[51] **Int.Cl. F16H 35/18 (2006.01) B64C 3/56 (2006.01) F16D 59/00 (2006.01)**
[25] EN
[54] **MANUAL BRAKE OVERRIDE**
[54] **REPRISE MANUELLE DE FREIN**
[72] DARBY, JONATHAN A., GB
[71] GOODRICH ACTUATION SYSTEMS LIMITED, GB
[22] 2021-01-06
[41] 2021-08-10
[30] EP (20275034.5) 2020-02-10

[21] **3,106,187**
[13] A1

[51] **Int.Cl. B65B 51/10 (2006.01) B31B 50/64 (2017.01) B65D 75/36 (2006.01) B65B 47/02 (2006.01)**
[25] EN
[54] **HEAT PLATE LOCK ASSEMBLY FOR A HEAT SEALING MACHINE**
[54] **ASSEMBLAGE DE VERROUILLAGE DE PLAQUE CHAUFFANTE POUR UNE MACHINE A SCELLER A CHAUD**
[72] WORDEN, RONALD F., US
[71] SONOCO DEVELOPMENT, INC., US
[22] 2021-01-15
[41] 2021-08-10
[30] US (16/786,002) 2020-02-10

[21] **3,106,657**
[13] A1

[51] **Int.Cl. H04W 4/38 (2018.01) G01D 18/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REMOTE STRUCTURAL HEALTH MONITORING**
[54] **SYSTEME ET METHODE POUR LA SURVEILLANCE DE L'ETAT STRUCTURAL A DISTANCE**
[72] WILHELM, ANDREW, US
[72] STREETER, RYAN J., US
[72] GRAMMATIKOPOULOS, DIMTRI T., US
[72] BRISTER, KENNETH L., US
[72] MILLS, RICH J., US
[71] MISTRAS GROUP, INC., US
[22] 2021-01-20
[41] 2021-08-11
[30] US (16/788,236) 2020-02-11

[21] **3,107,157**
[13] A1

[51] **Int.Cl. B21D 39/00 (2006.01) B21D 39/04 (2006.01) B21D 39/20 (2006.01) E04F 13/04 (2006.01) E04F 13/14 (2006.01) F16L 5/02 (2006.01)**
[25] FR
[54] **WATERPROOFING DEVICE FOR BUILDING, AND ASSOCIATED MANUFACTURING PROCESS**
[54] **DISPOSITIF D'ETANCHEITE POUR LE BATIMENT, ET PROCEDE DE FABRICATION ASSOCIE**
[72] IFTISSEN, GERARD, FR
[71] RIKKSEN, FR
[22] 2021-01-26
[41] 2021-08-12
[30] FR (FR 2001375) 2020-02-12

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[21] **3,107,260**
[13] A1

[51] **Int.Cl. A47B 31/06 (2006.01) B64D 11/00 (2006.01) B67D 1/00 (2006.01)**
[25] EN
[54] **AIRLINE CATERING TROLLEY**
[54] **CHARIOT DE RESTAURATION A BORD**

[72] STEPHENS, GENTRY B., US
[71] THE BOEING COMPANY, US
[22] 2021-01-26
[41] 2021-08-14
[30] US (16/790,921) 2020-02-14

[21] **3,107,296**
[13] A1

[51] **Int.Cl. A01G 9/02 (2018.01)**
[25] EN
[54] **RAILING MOUNTABLE HORTICULTURAL CONTAINER**
[54] **CONTENANT D'HORTICULTURE MONTABLE SUR UN GARDE-FOU**

[72] KEEBLE, DREW, US
[72] WILKINSON, MARK, US
[71] THE HC COMPANIES, INC., US
[22] 2021-01-27
[41] 2021-08-14
[30] US (62/976748) 2020-02-14

[21] **3,107,589**
[13] A1

[51] **Int.Cl. F16K 31/60 (2006.01) E03C 1/04 (2006.01)**
[25] EN
[54] **SNAP-ON FAUCET HANDLE**
[54] **POIGNEE DE ROBINET ENCLIQUETABLE**

[72] DEVRIES, ADAM, US
[72] THOMAS, KURT JUDSON, US
[71] DELTA FAUCET COMPANY, US
[22] 2021-02-01
[41] 2021-08-14
[30] US (16/791,455) 2020-02-14

[21] **3,107,689**
[13] A1

[51] **Int.Cl. F16L 27/11 (2006.01) F01N 13/08 (2010.01) F16L 51/02 (2006.01)**
[25] EN
[54] **EXHAUST AFTERTREATMENT SYSTEM UNIVERSAL JOINT FLEX PIPE ASSEMBLY**
[54] **TUYAUTERIE FLEXIBLE A JOINT UNIVERSEL POUR SYSTEME D'APRES-TRAITEMENT D'ECHAPPEMENT**

[72] BUNDY, ROBERT LEE, US
[72] PARK, JAMES NOAH, US
[71] PACCAR INC, US
[22] 2021-02-01
[41] 2021-08-13
[30] US (16/790,528) 2020-02-13

[21] **3,107,703**
[13] A1

[51] **Int.Cl. E04B 1/78 (2006.01)**
[25] EN
[54] **VACUUM INSULATED ARCHITECTURAL COVERING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE COUVERTURE ARCHITECTURE ISOLEE SOUS VIDE**

[72] KOZISEK, NEIL A., US
[72] JUENGST, SCOTT, US
[71] OVERHEAD DOOR CORPORATION, US
[22] 2021-02-01
[41] 2021-08-10
[30] US (16/786,766) 2020-02-10

[21] **3,107,720**
[13] A1

[51] **Int.Cl. B63H 25/04 (2006.01) B63H 21/21 (2006.01) G01S 7/56 (2006.01) G01S 15/89 (2006.01) G09G 5/12 (2006.01) G09G 5/38 (2006.01) G01S 15/96 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING OPERATIONS OF MARINE VESSELS**
[54] **SYSTEMES ET METHODES POUR CONTROLER LES OPERATIONS DE NAVIRES**

[72] SNYDER, KRISTOPHER C., US
[72] SCHROEDER, JEREMY J., US
[72] KASTE, MICHAEL C., US
[71] NAVICO HOLDING AS, NO
[22] 2021-02-01
[41] 2021-08-14
[30] US (16/791335) 2020-02-14

[21] **3,107,722**
[13] A1

[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/18 (2006.01) F01D 25/20 (2006.01) F01M 1/10 (2006.01)**
[25] EN
[54] **OIL DISTRIBUTION SYSTEM FOR GAS TURBINE ENGINE**
[54] **SYSTEME DE DISTRIBUTION D'HUILE POUR MOTEUR A TURBINE A GAZ**

[72] LEGARE, PIERRE-YVES, CA
[72] BROUILLET, SYLVAIN, CA
[72] ALECU, DANIEL, CA
[72] CUTRARA, SAM, CA
[72] BEAULIEU, ROSE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-02-01
[41] 2021-08-14
[30] US (16/791,375) 2020-02-14

[21] **3,107,789**
[13] A1

[51] **Int.Cl. F25D 3/08 (2006.01) A47B 83/04 (2006.01) A47J 47/00 (2006.01) B65D 43/14 (2006.01)**
[25] EN
[54] **COOLER SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT**

[72] MCKINNON, BRIAN KEITH, US
[71] MCKINNON, BRIAN KEITH, US
[22] 2021-02-02
[41] 2021-08-10
[30] US (16/786,048) 2020-02-10

[21] **3,107,793**
[13] A1

[51] **Int.Cl. B60R 3/02 (2006.01)**
[25] EN
[54] **EXTENDING AND RETRACTING STEP ASSEMBLY**
[54] **SYSTEME DE MARCHE EXTENSIBLE ET RETRACTABLE**

[72] GARCEAU, BERNARD F., US
[72] KROBOT, BORI, US
[71] NORCO INDUSTRIES, INC., US
[22] 2021-02-02
[41] 2021-08-10
[30] US (62/972,219) 2020-02-10

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[21] **3,107,806**
[13] A1

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/12 (2006.01) E21B 43/12 (2006.01) F04B 47/02 (2006.01) F04B 53/10 (2006.01)**

[25] EN

[54] **DROP-IN INSERT FOR A VALVE CAGE OF A PUMP**

[54] **INSERT DEPOSE POUR UNE LANTERNE DE SOUPE DE POMPE**

[72] FORD, MICHAEL BRENT, US
[71] FORD, MICHAEL BRENT, US
[22] 2021-02-01
[41] 2021-08-11
[30] US (62/972915) 2020-02-11
[30] US (17/148218) 2021-01-13

[21] **3,107,817**
[13] A1

[51] **Int.Cl. A01D 34/835 (2006.01) A01D 75/00 (2006.01)**

[25] EN

[54] **LAWNMOWERS WITH SAFETY FEATURES AND METHODS ASSOCIATED THEREWITH**

[54] **TONDEUSES COMPORTANT DES CARACTERISTIQUES DE SECURITE ET METHODES CONNEXES**

[72] KONDRO, GRZEGORZ, US
[72] SHAO, SHUAI, US
[72] GIVENS, ROBERT T., US
[72] IFTIQHAR, AYESHA, US
[72] FELDKAMP, JONATHAN R., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2021-02-03
[41] 2021-08-13
[30] US (62/976,070) 2020-02-13

[21] **3,107,988**
[13] A1

[51] **Int.Cl. E21B 7/08 (2006.01)**

[25] EN

[54] **STEERING UNIT FOR STATIC PUSH ROTARY STEERING TOOL**

[54] **UNITE DE GOUVERNER POUR UN OUTIL A GOUVERNER ROTATIF A PUSSEE STATIQUE**

[72] WANG, MEISHAN, CN
[72] LI, XIAOJUN, CN
[72] FAN, YONGTAO, CN
[72] ZHANG, XIAOPING, CN
[72] LUO, WEI, CN
[72] ZHANG, JUNFENG, CN
[72] ZHANG, JIANGE, CN
[72] XIN, WENWEN, CN
[72] JIANG, SIRUI, CN
[71] CHINA NATIONAL PETROLEUM CORPORATION, CN
[71] CNPC OILFIELD SERVICE COMPANY LIMITED, CN
[71] CNPC LOGGING CO., LTD., CN
[22] 2021-02-03
[41] 2021-08-13
[30] CN (202010090566.3) 2020-02-13

[21] **3,108,124**
[13] A1

[51] **Int.Cl. G01P 5/02 (2006.01) F03D 17/00 (2016.01) F03D 7/00 (2006.01)**

[25] FR

[54] **METHOD FOR DETERMINING WIND SPEED IN THE PLANE OF THE ROTOR OF A WIND TURBINE**

[54] **PROCEDE DE DETERMINATION DE LA VITESSE DU VENT DANS LE PLAN DU ROTOR D'UNE EOLIENNE**

[72] GUILLEMIN, FABRICE, FR
[72] NGUYEN, HOAI-NAM, FR
[71] IFP ENERGIES NOUVELLES, FR
[22] 2021-02-04
[41] 2021-08-10
[30] FR (FR2001276) 2020-02-10

[21] **3,108,147**
[13] A1

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

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[54] **SCRUBBER FOR TREATING EXHAUST GAS FROM BIOMASS COMBUSTION**

[54] **EPURATEUR POUR TRAITER LE GAZ D'ECHAPPEMENT DE LA COMBUSTION DE BIOMASSE**

[72] DUECK, RAYMOND, CA
[71] DUECK, RAYMOND, CA
[22] 2021-02-05
[41] 2021-08-14
[30] US (62976620) 2020-02-14

[21] **3,108,148**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 40/02 (2012.01) G06F 16/00 (2019.01) G06F 3/14 (2006.01) G06N 20/00 (2019.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR GENERATING DATA RETRIEVAL STEPS**

[54] **SYSTEMES ET METHODES POUR GENERER DES ETAPES DE RECUPERATION DE DONNEES**

[72] DUBE-COUSINEAU, JULIEN, CA
[71] FLINKS TECHNOLOGY INC., CA
[22] 2021-02-04
[41] 2021-08-12
[30] US (62/975,341) 2020-02-12
[30] US (63/056,122) 2020-07-24

[21] **3,108,163**
[13] A1

[51] **Int.Cl. B25B 27/02 (2006.01) F16L 19/025 (2006.01) F16L 47/04 (2006.01)**

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[54] **CROSS-LINKED PEX FORMING AFTER ASSEMBLY**

[54] **FORMATION DE POLYETHYLENE RETICULE APRES ASSEMBLAGE**

[72] DEVRIES, ADAM, US
[72] THOMAS, KURT JUDSON, US
[71] DELTA FAUCET COMPANY, US
[22] 2021-02-05
[41] 2021-08-14
[30] US (16/791,391) 2020-02-14

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[13] A1

[51] **Int.Cl. E04B 2/04 (2006.01)**
[25] EN
[54] **FOAM WALL STRUCTURES AND METHODS FOR THEIR MANUFACTURE**
[54] **STRUCTURES DE PAROIS EN MOUSSE ET METHODES DE FABRICATION**
[72] PALMOSINA, MICHAEL F., II, US
[72] LAMBACH, JAMES L., US
[71] COVESTRO LLC, US
[22] 2021-02-04
[41] 2021-08-13
[30] US (16/790,022) 2020-02-13

[21] **3,108,183**
[13] A1

[51] **Int.Cl. B29C 44/18 (2006.01) B05B 15/70 (2018.01) B05B 12/00 (2018.01) C08J 9/228 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MANUFACTURING FOAM WALL STRUCTURES**
[54] **METHODES ET SYSTEMES POUR FABRIQUER DES STRUCTURES DE PAROIS EN MOUSSE**
[72] LAMBACH, JAMES L., US
[72] PALMOSINA, MICHAEL F., II, US
[72] CLOHERTY, SCOTT M., US
[71] COVESTRO LLC, US
[22] 2021-02-04
[41] 2021-08-13
[30] US (16/790,088) 2020-02-13

[21] **3,108,187**
[13] A1

[51] **Int.Cl. G01S 17/58 (2006.01) F03D 80/00 (2016.01) F03D 7/00 (2006.01) G01S 17/95 (2006.01)**
[25] FR
[54] **METHOD FOR DETERMINING WIND DIRECTION WITH A LASER REMOTE SENSING SENSOR**
[54] **PROCEDE DE DETERMINATION DE LA DIRECTION DU VENT AU MOYEN D'UN CAPTEUR DE TELEDETECTION PAS LASER**
[72] NGUYEN, HOAI-NAM, FR
[72] GUILLEMIN, FABRICE, FR
[71] IFP ENERGIES NOUVELLES, FR
[22] 2021-02-05
[41] 2021-08-10
[30] FR (2001278) 2020-02-10

[21] **3,108,217**
[13] A1

[51] **Int.Cl. B25H 3/02 (2006.01) B65D 43/16 (2006.01)**
[25] EN
[54] **TOOL MANAGEMENT DEVICE WITH SLIDE GUIDE AND PIN AT A HINGE CONNECTION**
[54] **DISPOSITIF DE GESTION D'OUTIL COMPORTANT UN GUIDE COULISSANT ET UNE BROCHE A UN POINT DE CHARNIERE**
[72] HOHL, WOLFGANG, DE
[71] ADOLF WURTH GMBH & CO. KG, DE
[22] 2021-02-08
[41] 2021-08-10
[30] DE (10 2020 103 322.2) 2020-02-10

[21] **3,108,224**
[13] A1

[51] **Int.Cl. E04G 17/00 (2006.01) E04G 11/00 (2006.01) E04G 17/14 (2006.01)**
[25] EN
[54] **CONNECTOR END FITTING FOR AN INTEGRATED CONSTRUCTION SYSTEM**
[54] **EMBOUT DE CONNECTEUR POUR UN SYSTEME DE CONSTRUCTION INTEGRE**
[72] CHEVIS, KENNETH M., US
[72] DAUB, JONATHAN, US
[71] APACHE INDUSTRIAL SERVICES, INC., US
[22] 2021-02-08
[41] 2021-08-14
[30] US (16/791,811) 2020-02-14

[21] **3,108,253**
[13] A1

[51] **Int.Cl. C30B 29/68 (2006.01) C30B 23/02 (2006.01) C30B 25/02 (2006.01) C30B 29/40 (2006.01) C30B 33/02 (2006.01)**
[25] EN
[54] **METHOD FOR GROWING A III-V EPITAXIAL STRUCTURE WITH SUBPICOSECOND CARRIER LIFETIME**
[54] **METHODE DE CULTURE D'UNE STRUCTURE EPITAXIALE III-V AYANT UNE DUREE DE VIE DE PORTEUR DE CHARGE SUBPICOSECONDE**
[72] WASILEWSKI, ZBIGNIEW, CA
[72] TAM, MAN CHUN ALAN, CA
[71] TETECHS INC., CA
[22] 2021-02-04
[41] 2021-08-14
[30] US (62/976,606) 2020-02-14

[21] **3,108,260**
[13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) F01D 21/14 (2006.01) F01D 25/24 (2006.01)**
[25] EN
[54] **FAN CASE FOR GAS TURBINE ENGINE AND ASSOCIATED METHOD OF USE**
[54] **CASIER DE SOUFFLANTE POUR UNE TURBINE A GAZ ET METHODE CONNEXE**
[72] CAULFIELD, STEPHEN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-02-04
[41] 2021-08-11
[30] US (16/787,737) 2020-02-11

[21] **3,108,331**
[13] A1

[51] **Int.Cl. B43K 27/00 (2006.01)**
[25] EN
[54] **ONE-HAND OPERATED MULTI-PENCIL**
[54] **CRAYON QUATRE COULEURS UTILISABLE D'UNE SEULE MAIN**
[72] ARMINAK, ARMIN, US
[71] ARMINAK, ARMIN, US
[22] 2021-02-03
[41] 2021-08-11
[30] US (16/787,946) 2020-02-11

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[51] **Int.Cl. E04G 17/00 (2006.01)**
[25] EN
[54] **EQUALIZING BEAM**
[54] **LEVIER COMPENSATEUR**
[72] HABERLE, WILFRIED, DE
[71] PERI GMBH, DE
[22] 2021-02-09
[41] 2021-08-10
[30] DE (20 2020 100 700.9) 2020-02-10

[21] **3,108,445**

[13] A1

[51] **Int.Cl. B25G 1/04 (2006.01) A01D 34/67 (2006.01)**
[25] EN
[54] **CONTROL ASSEMBLY COUPLED TO HANDLE OF AN IMPLEMENT**
[54] **ASSEMBLAGE DE COMMANDE RACCORDE A LA POIGNEE D'UN APPAREIL**
[72] BURNS, JAMES I., III, US
[72] CHAPMAN, SETH H., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2021-02-09
[41] 2021-08-10
[30] US (16/786,459) 2020-02-10

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[51] **Int.Cl. B23Q 39/00 (2006.01) B23P 23/04 (2006.01)**
[25] EN
[54] **LOW COST, HIGH PERFORMANCE, MULTI-HEAD DRILL AND FILL MACHINE**
[54] **MACHINE DE PERCAGE ET DE REMPLISSAGE MULTITETE ECONOMIQUE ET A HAUTE PERFORMANCE**
[72] KISMARTON, MAX U., US
[71] THE BOEING COMPANY, US
[22] 2021-02-08
[41] 2021-08-10
[30] US (16/786777) 2020-02-10

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[13] A1

[51] **Int.Cl. H04B 7/0456 (2017.01) H04W 16/28 (2009.01) G01S 7/03 (2006.01) H01Q 3/08 (2006.01) H01Q 3/18 (2006.01) H01Q 3/46 (2006.01) H04B 1/40 (2015.01) H04B 7/155 (2006.01) G01S 13/90 (2006.01)**
[25] EN
[54] **MULTI-BEAM REFLECTOR ANTENNA FOR SATELLITE APPLICATIONS**
[54] **ANTENNE A REFLECTEUR MULTIFAISCEAU POUR DES APPLICATIONS SUR SATELLITE**
[72] BRANCATI, MARCO, IT
[72] SAITTO, ANTONIO, IT
[71] TELESPAZIO S.P.A., IT
[22] 2021-02-09
[41] 2021-08-10
[30] IT (102020000002563) 2020-02-10

[21] **3,108,467**

[13] A1

[51] **Int.Cl. B65B 29/02 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **CAPSULES TRANSPORT SYSTEM WITH INTERCHANGEABLE HOUSINGS**
[54] **SYSTEME DE TRANSPORT DE CAPSULES A LOGEMENTS INTERCHANGEABLES**
[72] RAPPARINI, GINO, IT
[72] GENERALI, MAURIZIO, IT
[71] AROMA SYSTEM S.R.L., IT
[22] 2021-02-09
[41] 2021-08-13
[30] IT (102020000002923) 2020-02-13

[21] **3,108,470**

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[51] **Int.Cl. C05G 3/40 (2020.01) A01C 21/00 (2006.01) A01G 9/02 (2018.01) B65D 65/46 (2006.01) B65D 85/00 (2006.01) C05G 3/00 (2020.01) C05G 5/00 (2020.01)**
[25] EN
[54] **FERTILIZER POUCH AND METHOD OF USE THEREOF**
[54] **POCHE D'ENGRAIS ET METHODE D'UTILISATION**
[72] SPENCER, AARON, CA
[72] LANDER, KENNETH G., CA
[71] SPENCER, AARON, CA
[71] LANDER, KENNETH G., CA
[22] 2021-02-09
[41] 2021-08-11
[30] US (62/975,109) 2020-02-11

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[13] A1

[51] **Int.Cl. G01N 17/04 (2006.01) C23F 13/04 (2006.01)**
[25] EN
[54] **PROBE FOR MEASURING A CATHODIC PROTECTION CONDITION OF A BURIED STEEL STRUCTURE, AND BACKFILL COMPOSITION FOR SAME**
[54] **SONDE POUR MESURER UNE CONDITION DE PROTECTION CATHODIQUE D'UNE STRUCTURE EN ACIER ENFOUEE ET COMPOSITE DE REMBLAI CONNEXE**
[72] BAHGAT, HYCEM, CA
[72] FINGAS, WILLIAM DANIEL, CA
[71] CORROSION SERVICE COMPANY LIMITED, CA
[22] 2021-02-09
[41] 2021-08-10
[30] US (62972145) 2020-02-10

[21] **3,108,486**

[13] A1

[51] **Int.Cl. A45F 3/14 (2006.01) B65G 7/12 (2006.01)**
[25] EN
[54] **BODY-WORN AID FOR DECEDENT REMOVAL AND OTHER LOAD-MOVING APPLICATIONS**
[54] **DISPOSITIF A PORTER POUR LE RETRAIT DE DEFUNTS ET D'AUTRES APPLICATIONS DE TRANSPORT DE CHARGE**
[72] FONTAINE, ROLLAND, CA
[71] FONTAINE, ROLLAND, CA
[22] 2021-02-10
[41] 2021-08-10
[30] US (16786114) 2020-02-10

[21] **3,108,492**

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[51] **Int.Cl. B23C 5/00 (2006.01) B23C 5/16 (2006.01)**
[25] EN
[54] **ROTARY CUTTING TOOL AND CARTRIDGE**
[54] **OUTIL DE COUPE ROTATIF ET CARTOUCHE**
[72] BENNETT, KIRK, US
[71] DECATUR DIAMOND, LLC, US
[22] 2021-02-10
[41] 2021-08-10
[30] US (62/972,454) 2020-02-10

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[13] A1

[51] **Int.Cl. B62B 1/10 (2006.01) B62B 5/04 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR TRANSPORTING A RESCUE BASKET**
[54] **DISPOSITIFS, SYSTEMES ET METHODES POUR TRANSPORTER UNE NACELLE DE SAUVETAGE**
[72] ANDERSON, RYAN, US
[71] TRIANGLE STRONG PARTNERS, LLC, US
[22] 2021-02-11
[41] 2021-08-12
[30] US (62/975,605) 2020-02-12

[21] **3,108,499**
[13] A1

[51] **Int.Cl. C08G 77/46 (2006.01) B01F 17/54 (2006.01) C08J 9/00 (2006.01)**
[25] EN
[54] **SIOC-BONDED, LINEAR POLYDIMETHYLSILOXANE-POLYOXYALKYLENE BLOCK COPOLYMERS**
[54] **COPOLYMERES SEQUENCES DE POLYDIMETHYLSILOXANE-POLYOXYALKYLENE LINEAIRES A LIAISON SIOC**
[72] KNOTT, WILFRIED, DE
[72] WINDBIEL, DAGMAR, DE
[72] DUDZIK, HORST, DE
[71] EVONIK OPERATIONS GMBH, DE
[22] 2021-02-10
[41] 2021-08-14
[30] EP (20157315.1) 2020-02-14

[21] **3,108,508**
[13] A1

[51] **Int.Cl. B65D 41/32 (2006.01)**
[25] EN
[54] **TAMPER-RESISTANT SECURE CONTAINER COVER**
[54] **COUVERCLE DE CONTENANT SECURISE INVOLABLE**
[72] BORG, ZAKARY JAMES, US
[72] MELLOR, RONALD LEE, JR, US
[71] OREGON PRECISION INDUSTRIES, INC. DBA PAKTECH, US
[22] 2021-02-10
[41] 2021-08-11
[30] US (17/124,257) 2020-12-16
[30] US (62/975,145) 2020-02-11

[21] **3,108,535**
[13] A1

[51] **Int.Cl. G10K 11/16 (2006.01) F21V 33/00 (2006.01) G10K 11/162 (2006.01)**
[25] EN
[54] **SOUND ABSORBING LIGHT FIXTURE**
[54] **APPAREIL D'ECLAIRAGE ABSORBEUR DE BRUIT**
[72] GULSRUD, TIMOTHY ERNEST, US
[72] SIMLA, MICHAEL EVAN, CA
[71] LUMENWERX ULC, CA
[22] 2021-02-10
[41] 2021-08-10
[30] US (62/972,260) 2020-02-10

[21] **3,108,546**
[13] A1

[51] **Int.Cl. G05D 1/10 (2006.01) B64C 19/00 (2006.01) B64C 39/02 (2006.01) G05D 1/12 (2006.01) G05D 13/62 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTONOMOUS LANDING OF AN UNMANNED AERIAL VEHICLE**
[54] **SYSTEMES ET METHODES POUR L'ATTERISSAGE AUTONOME D'UN VEHICULE AERIEN SANS PILOTE**
[72] LIU, HUGH HONG-TAO, CA
[72] GRAHAM, SILAS KEVIN ISAAC, CA
[71] DRONE DELIVERY CANADA CORP., CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[22] 2021-02-08
[41] 2021-08-11
[30] US (16/787,721) 2020-02-11

[21] **3,108,547**
[13] A1

[51] **Int.Cl. G01C 11/00 (2006.01) G01S 17/89 (2020.01)**
[25] EN
[54] **COLLABORATIVE 3D MAPPING AND SURFACE REGISTRATION**
[54] **CARTOGRAPHIE 3D COLLABORATIVE ET ENREGISTREMENT DE SURFACE**
[72] STAAB, TORSTEN A., US
[72] SEIDA, STEVEN B., US
[72] VERRET, JODY D., US
[72] ELY, RICHARD W., US
[72] RAIF, STEPHEN J., US
[71] RAYTHEON COMPANY, US
[22] 2021-02-10
[41] 2021-08-11
[30] US (62/975016) 2020-02-11
[30] US (17/171544) 2021-02-09

[21] **3,108,559**
[13] A1

[51] **Int.Cl. A47C 16/00 (2006.01) A47C 9/02 (2006.01)**
[25] EN
[54] **CONFIGURABLE ERGONOMIC PAD**
[54] **COUSSIN ERGONOMIE CONFIGURABLE**
[72] COOK, REBECCA, US
[71] THE BOEING COMPANY, US
[22] 2021-02-10
[41] 2021-08-13
[30] US (16/790403) 2020-02-13

[21] **3,108,581**
[13] A1

[51] **Int.Cl. B23Q 41/02 (2006.01)**
[25] EN
[54] **ARTICULATING MODULAR ROBOTIC TRIM**
[54] **OUTIL A EBARBER ROBOTIQUE MODULAIRE ARTICULE**
[72] GOEGAN, PAUL, CA
[72] AMINI, AMIN, CA
[72] AVSEC, PETER, CA
[71] MAGNA EXTERIORS INC., CA
[22] 2021-02-12
[41] 2021-08-13
[30] US (62/976,058) 2020-02-13

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[13] A1

[51] **Int.Cl. E05B 73/00 (2006.01) A47F 7/00 (2006.01)**
[25] EN
[54] **ANTI-THEFT PRODUCT DISPLAY SYSTEM**
[54] **SYSTEME DE PRESENTATION DE PRODUIT ANTIVOL**
[72] GALANT, STEVE N., CA
[71] COMPUCAGE INTERNATIONAL INC., CA
[22] 2021-02-11
[41] 2021-08-11
[30] US (16/788,148) 2020-02-11

[21] **3,108,598**
[13] A1

[51] **Int.Cl. H02G 3/06 (2006.01) H02G 3/14 (2006.01)**
[25] EN
[54] **CONDUIT BODY FEATURES FOR USE IN THE FOOD PREPARATION INDUSTRY**
[54] **CARACTERISTIQUES DE CORPS DE CONDUIT A UTILISER DANS L'INDUSTRIE DE PREPARATION ALIMENTAIRE**
[72] VOELZKE, STEVEN, US
[71] ROBROY INDUSTRIES - TEXAS, LLC, US
[22] 2021-02-11
[41] 2021-08-14
[30] US (62/976,713) 2020-02-14

[21] **3,108,603**
[13] A1

[51] **Int.Cl. H01F 7/04 (2006.01) E05B 1/02 (2006.01) E05D 7/00 (2006.01) E06B 7/28 (2006.01) G10K 3/00 (2006.01)**
[25] EN
[54] **PROCESS FOR ADHERING DECORATIVE ACCESSORIES TO MAGNETICALLY RETAIN THEM ON A GARAGE DOOR**
[54] **PROCEDE POUR COLLER DES ACCESSOIRES DECORATIFS POUR LES RETENIR MAGNETIQUEMENT A UNE PORTE DE GARAGE**
[72] KELLY, ROBERT A., US
[71] KELLY, ROBERT A., US
[22] 2021-02-12
[41] 2021-08-14
[30] US (16/791,358) 2020-02-14

[21] **3,108,607**
[13] A1

[51] **Int.Cl. C01B 32/19 (2017.01) C01B 32/184 (2017.01) C01B 32/22 (2017.01) C30B 29/64 (2006.01) C30B 31/04 (2006.01) C30B 33/04 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL GRAPHENE EXFOLIATION WITH HYDROXIDE INTERCALATION**
[54] **EXFOLIATION ELECTROCHIMIQUE DE GRAPHENE A INTERCALATION D'HYDROXYDE**
[72] ROBERTS, EDWARD, CA
[72] SINGH, ASHUTOSH, CA
[71] UTI LIMITED PARTNERSHIP, CA
[22] 2021-02-11
[41] 2021-08-13
[30] US (62/976,256) 2020-02-13

[21] **3,108,614**
[13] A1

[51] **Int.Cl. B65D 85/816 (2006.01) A47J 31/06 (2006.01) A47J 31/44 (2006.01) B65D 81/24 (2006.01) B65D 81/34 (2006.01)**
[25] EN
[54] **SINGLE USE BEVERAGE POD**
[54] **CAPSULE DE BREUVAGE A USAGE UNIQUE**
[72] GEMMITI, CLAUDIO, CA
[72] PATEL, RAJESHKUMAR, CA
[72] GRADY, MARK, CA
[71] CLUB COFFEE L.P., CA
[22] 2021-02-12
[41] 2021-08-13
[30] US (62/976167) 2020-02-13

[21] **3,108,645**
[13] A1

[51] **Int.Cl. B21F 15/00 (2006.01) B21F 11/00 (2006.01) B21F 23/00 (2006.01) B25B 25/00 (2006.01)**
[25] EN
[54] **BINDING MACHINE**
[54] **MACHINE A RELIER**
[72] ITAGAKI, OSAMU, JP
[72] SUGIHARA, SHINPEI, JP
[72] MORIMURA, KOUICHIROU, JP
[72] YOSHIDA, YUSUKE, JP
[72] KUSAKARI, ICHIRO, JP
[71] MAX CO., LTD., JP
[22] 2021-02-10
[41] 2021-08-10
[30] JP (2020-021025) 2020-02-10
[30] JP (2020-219758) 2020-12-29

[21] **3,108,647**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01) H04W 8/26 (2009.01) H04W 48/08 (2009.01) H04W 52/34 (2009.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR IDENTITY COLLECTION**
[54] **METHODE ET CONFIGURATION DE COLLECTE DE L'IDENTITE**
[72] KEMPPAINEN, JUKKA, FI
[72] TOPPINEN, HANNU, FI
[71] EXFO OY, FI
[22] 2021-02-11
[41] 2021-08-14
[30] US (16946102) 2020-06-05
[30] US (62976416) 2020-02-14

[21] **3,108,651**
[13] A1

[51] **Int.Cl. B21F 15/00 (2006.01) B21F 11/00 (2006.01) B21F 23/00 (2006.01) B25B 25/00 (2006.01)**
[25] EN
[54] **BINDING MACHINE**
[54] **MACHINE A RELIER**
[72] MORIMURA, KOUICHIROU, JP
[72] YOSHIDA, YUSUKE, JP
[72] KUSAKARI, ICHIRO, JP
[72] ITAGAKI, OSAMU, JP
[72] SUGIHARA, SHINPEI, JP
[71] MAX CO., LTD., JP
[22] 2021-02-10
[41] 2021-08-10
[30] JP (2020-021025) 2020-02-10
[30] JP (2020-219758) 2020-12-29

[21] **3,108,652**
[13] A1

[51] **Int.Cl. B60P 3/40 (2006.01)**
[25] EN
[54] **FREIGHT VEHICLE WITH DRIVER'S CAB**
[54] **VEHICULE DE MARCHANDISES AVEC CABINE DE CHAUFFEUR**
[72] LIPPI, FABRIZIO, IT
[72] MACAGNO, LUCA, IT
[72] GIORDANO, GABRIELE, IT
[72] ARNAUDO, GABRIELE, IT
[72] FRONI, FRANCESCO, IT
[72] FICKERS, ALEXANDER, LU
[71] FAYMONVILLE DISTRIBUTION AG, LU
[71] COMETTO S.P.A., IT
[22] 2021-02-12
[41] 2021-08-14
[30] LU (101640) 2020-02-14

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[21] **3,108,653**
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[51] **Int.Cl. B21F 15/00 (2006.01) B21F 11/00 (2006.01) B21F 23/00 (2006.01) B25B 25/00 (2006.01)**

[25] EN
[54] **BINDING MACHINE**
[54] **MACHINE A RELIER**
[72] YOSHIDA, YUSUKE, JP
[72] MORIMURA, KOUICHIROU, JP
[72] KUSAKARI, ICHIRO, JP
[71] MAX CO., LTD., JP
[22] 2021-02-10
[41] 2021-08-10
[30] JP (2020-021026) 2020-02-10

[21] **3,108,655**
[13] A1

[51] **Int.Cl. B21F 15/00 (2006.01) B21F 11/00 (2006.01) B21F 23/00 (2006.01) B25B 25/00 (2006.01)**

[25] EN
[54] **BINDING MACHINE**
[54] **MACHINE A RELIER**
[72] MORIMURA, KOUICHIROU, JP
[72] YOSHIDA, YASUKE, JP
[72] KUSAKARI, ICHIRO, JP
[71] MAX CO., LTD., JP
[22] 2021-02-10
[41] 2021-08-10
[30] JP (2020-021024) 2020-02-10

[21] **3,108,659**
[13] A1

[51] **Int.Cl. B01D 53/52 (2006.01) B01D 53/14 (2006.01)**

[25] EN
[54] **SCAVENGING SYSTEM INCLUDING AT LEAST ONE MIXED ACETAL COMPOUND TO REMOVE HYDROGEN SULFIDE AND/OR MERCAPTANS FROM A FLUID STREAM**
[54] **SYSTEME DE PIEGEAGE COMPRENANT AU MOINS UN COMPOSE D'ACETAL MIXTE POUR ELIMINER LE SULFURE D'HYDROGENE ET/OU DES MERCAPTANS D'UN FLUX DE FLUIDE**
[72] BINGHAM, JONATHAN R., US
[72] TREASURE, MARLON ORLANDO, US
[72] LEE, JEREMY ALLEN, US
[71] FOREMARK PERFORMANCE CHEMICALS, US
[22] 2021-02-11
[41] 2021-08-11
[30] US (16/788,167) 2020-02-11

[21] **3,108,662**
[13] A1

[51] **Int.Cl. B63B 27/16 (2006.01) B63B 23/04 (2006.01) B63B 23/62 (2006.01)**

[25] EN
[54] **SYSTEMS FOR LIFTING AND STOWING WATER-BORNE VESSELS**
[54] **SYSTEME POUR LEVER ET ARRIMER DES NAVIRES A FLOT**
[72] LIVINGSTON, JOHN, US
[71] LIVINGSTON, JOHN, US
[22] 2021-02-12
[41] 2021-08-12
[30] US (16/788,982) 2020-02-12

[21] **3,108,663**
[13] A1

[51] **Int.Cl. E05D 3/02 (2006.01) B23P 15/00 (2006.01) E05D 5/02 (2006.01) E05D 7/00 (2006.01)**

[25] EN
[54] **HINGE**
[54] **CHARNIERE**
[72] HALL, BENJAMIN, GB
[71] KINGSWAY ENTERPRISES (UK) LIMITED, GB
[22] 2021-02-12
[41] 2021-08-14
[30] GB (2002074.9) 2020-02-14
[30] GB (2101829.6) 2021-02-10

[21] **3,108,845**
[13] A1

[51] **Int.Cl. H02P 27/02 (2016.01) F24F 11/70 (2018.01) H02M 5/42 (2006.01) H02M 7/04 (2006.01) H02P 5/74 (2006.01)**

[25] EN
[54] **POWER CONVERTING APPARATUS AND AIR CONDITIONER INCLUDING THE SAME**
[54] **APPAREIL DE CONVERSION DE PUISSANCE ET CLIMATISEUR LE COMPRENANT**
[72] CHO, JINHO, KR
[72] PARK, TAEYOUNG, KR
[72] HEO, JONGWON, KR
[71] LG ELECTRONICS INC., KR
[22] 2021-02-09
[41] 2021-08-11
[30] KR (10-2020-0016546) 2020-02-11

[21] **3,108,895**
[13] A1

[51] **Int.Cl. H01P 5/16 (2006.01)**

[25] EN
[54] **WAVEGUIDE POWER DIVIDER**
[54] **DIVISEUR DE PUISSANCE DE GUIDES D'ONDES**
[72] FONSECA, NELSON, NL
[71] EUROPEAN SPACE AGENCY, FR
[22] 2021-02-11
[41] 2021-08-12
[30] EP (20157041.3) 2020-02-12

[21] **3,108,926**
[13] A1

[51] **Int.Cl. C12G 1/02 (2006.01) A23L 2/04 (2006.01) A23N 1/00 (2006.01) C12G 1/00 (2019.01)**

[25] FR
[54] **PROCESS AND EQUIPMENT FOR THE PREPARATION OF A FOOD PRODUCT, ESPECIALLY BERRY-BASED**
[54] **PROCEDE ET EQUIPEMENT POUR LA PREPARATION D'UN PRODUIT ALIMENTAIRE, NOTAMMENT A BASE DE BAIES**
[72] FAVAREL, JEAN-LUC, FR
[71] PERA-PELLENC SA, FR
[22] 2021-02-15
[41] 2021-08-11
[30] FR (20/01328) 2020-02-11

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[13] A1

[51] **Int.Cl. G16H 40/20 (2018.01) G06F 3/0482 (2013.01) G06F 3/0484 (2013.01) G06F 16/903 (2019.01)**

[25] EN

[54] **SYSTEM AND METHOD TO FACILITATE INTERACTION BETWEEN A PROFESSIONAL ORDER OF HEALTH-CARE PROVIDERS AND A PATIENT ON THE BASIS OF PATIENT'S DATA REFLECTING HEALTH CARE SERVICES THAT HAVE BEEN PROVIDED TO THE PATIENT**

[54] **SYSTEME ET METHODE POUR FACILITER L'INTERACTION ENTRE UN ORDRE PROFESSIONNEL DE FOURNISSEURS DE SOINS DE SANTE ET UN PATIENT EN FONCTION DES DONNEES DU PATIENT REFLETANT LES SERVICES DE SOINS DE SANTE QUI ONT ETE ADMINISTRES AU PATIENT**

[72] GEORGIEV, STEPHAN, CA
[72] COUTURIER-DESROCHERS, JUSTINE, CA
[71] GEORGIEV, STEPHAN, CA
[71] COUTURIER-DESROCHERS, JUSTINE, CA
[22] 2021-02-12
[41] 2021-08-12
[30] US (62/975704) 2020-02-12

[21] **3,108,963**
[13] A1

[51] **Int.Cl. B01D 46/52 (2006.01) G01D 1/18 (2006.01) G01F 1/34 (2006.01)**

[25] EN

[54] **FILTER MODULE WITH SENSOR, AND METHOD FOR DETERMINING THE STATE OF A FILTER ELEMENT**

[54] **MODULE FILTRE DOTE D'UN CAPTEUR ET METHODE DE DETERMINATION DE L'ETAT D'UN ELEMENT DE FILTRE**

[72] KLUCK, STEFAN, DE
[72] TAPPER, RENATE, DE
[71] CARL FREUDENBERG KG, DE
[22] 2021-02-11
[41] 2021-08-12
[30] EP (EP 20156997.7) 2020-02-12

[21] **3,108,968**
[13] A1

[51] **Int.Cl. B23P 6/00 (2006.01)**

[25] EN

[54] **METHOD OF REPAIRING A REGION OF A PART INCLUDING A THREADED HOLE**

[54] **METHODE DE REPARATION D'UNE REGION D'UNE PIECE COMPORTANT UN TROU TARAUDE**

[72] PANERO, SAMUEL, CA
[72] BUFFETT, DAVID, CA
[72] NEAL, PATRICK, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-02-11
[41] 2021-08-12
[30] US (16/788,689) 2020-02-12

[21] **3,108,972**
[13] A1

[51] **Int.Cl. A47L 9/00 (2006.01) A47L 9/24 (2006.01) F16L 5/00 (2006.01) F16L 7/00 (2006.01)**

[25] EN

[54] **VACUUM INLET VALVE ASSEMBLY WITH SLIDING PINS**

[54] **ASSEMBLAGE DE SOUPEA D'ASPIRATION COMPORTANT DES LIAISONS PIVOT GLISSANT**

[72] CALDERONE, GREG A., US
[72] METZ, SHAWN C., US
[72] NIESCHWITZ, DARRELL V., US
[71] H-P PRODUCTS, INC., US
[22] 2021-02-11
[41] 2021-08-11
[30] US (62/972,935) 2020-02-11
[30] US (17/172,197) 2021-02-10

[21] **3,109,037**
[13] A1

[51] **Int.Cl. H04N 21/231 (2011.01) H04N 21/2385 (2011.01) H04N 21/258 (2011.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR CACHE OPTIMIZATION**

[54] **METHODES ET SYSTEMES D'OPTIMISATION DE LA MEMOIRE CACHE**

[72] LINTZ, CHRISTOPHER, US
[72] DAWSON, TEDD, US
[72] PFEIFER, JEREMY, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2021-02-12
[41] 2021-08-13
[30] US (16/790,412) 2020-02-13

[21] **3,109,048**
[13] A1

[51] **Int.Cl. F41C 33/00 (2006.01) F41C 33/06 (2006.01)**

[25] EN

[54] **QUICK-RELEASE MOUNTING SYSTEM**

[54] **SYSTEME DE MONTAGE RAPIDE**

[72] HAWKINS, DAVID ROBERT L., CA
[71] HAWKINS, DAVID ROBERT L., CA
[22] 2021-02-12
[41] 2021-08-12
[30] US (62/975,615) 2020-02-12

[21] **3,109,071**
[13] A1

[51] **Int.Cl. F16C 17/02 (2006.01) F01D 25/16 (2006.01) F02C 7/06 (2006.01) F02C 7/36 (2006.01) F16C 35/02 (2006.01)**

[25] EN

[54] **DUAL LAND JOURNAL BEARINGS FOR A COMPOUND PLANETARY SYSTEM**

[54] **PALIERI LISSES A DEUX PLANS POUR UN SYSTEME PLANETAIRE COMPOSE**

[72] BRILLON, LOUIS, CA
[72] POULIN, MARTIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-02-12
[41] 2021-08-14
[30] US (62/976,585) 2020-02-14
[30] US (16/802,715) 2020-02-27

[21] **3,109,074**
[13] A1

[51] **Int.Cl. F02C 7/06 (2006.01) F16J 15/3296 (2016.01) F02C 7/28 (2006.01) F16N 29/04 (2006.01) F16N 31/00 (2006.01)**

[25] EN

[54] **OIL LEAKAGE MONITORING SYSTEM**

[54] **SYSTEME DE SURVEILLANCE DES FUITES D'HUILE**

[72] LABBE, MICHEL, CA
[72] GAUVIN, PIERRE, CA
[72] POWERS, SEAN, CA
[72] MCGRATH, DARRAGH, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-02-12
[41] 2021-08-14
[30] US (62/976,741) 2020-02-14

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[21] **3,109,112**
[13] A1

[51] **Int.Cl. B64D 27/24 (2006.01) B64C 21/00 (2006.01) B64D 29/04 (2006.01)**
[25] EN
[54] **EXCESS THRUST CONTROL FOR AN AIRCRAFT**
[54] **COMMANDE DE LA POUSSEE EXCEDENTAIRE D'UN AERONEF**
[72] ASSELIN, MARIO, CA
[71] BOMBARDIER INC., CA
[22] 2021-02-12
[41] 2021-08-14
[30] US (62/976,394) 2020-02-14

[21] **3,109,155**
[13] A1

[51] **Int.Cl. B23Q 3/157 (2006.01)**
[25] EN
[54] **CLAMPING DEVICE FOR A TOOL ON A MACHINE TOOL**
[54] **DISPOSITIF DE SERRAGE POUR UN OUTIL SUR UNE MACHINE-OUTIL**
[72] LICHTENSTEIGER, MARKUS, CH
[72] BODGAN, VADIM, DE
[71] IVOCLAR VIVADENT AG, LI
[22] 2021-02-12
[41] 2021-08-14
[30] EP (20 157 403.5) 2020-02-14

[21] **3,109,172**
[13] A1

[51] **Int.Cl. H04W 74/08 (2009.01) H04W 52/50 (2009.01) H04W 72/10 (2009.01)**
[25] EN
[54] **CELL SELECTION FOR WIRELESS COMMUNICATIONS**
[54] **SELECTION DE CELLULE POUR LA COMMUNICATION SANS FIL**
[72] PARK, KYUNGMIN, US
[72] DINAN, ESMAEL HEJAZI, US
[72] QIAO, WEIHUA, US
[72] KIM, TAEHUN, US
[72] RYU, JINSOOK, US
[72] FARD, PEYMAN TALEBI, US
[72] ZHOU, HUA, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2021-02-12
[41] 2021-08-13
[30] US (62/976,046) 2020-02-13

[21] **3,109,177**
[13] A1

[51] **Int.Cl. A47C 4/02 (2006.01) A47B 87/00 (2006.01) A47C 17/86 (2006.01) F16B 12/00 (2006.01)**
[25] EN
[54] **KNOCK-DOWN FURNITURE**
[54] **MOBILIER EN KIT**
[72] MILBERG, JORDAN, CA
[72] MILBERG, MATTHEW, CA
[71] SOFAWEB.COM INC., CA
[22] 2021-02-12
[41] 2021-08-14
[30] US (62/976,970) 2020-02-14

[21] **3,113,035**
[13] A1

[51] **Int.Cl. F24F 13/08 (2006.01) F16K 1/22 (2006.01) F16K 1/32 (2006.01)**
[25] EN
[54] **STANDOFF FOR DUCTWORK DAMPER ASSEMBLY, DUCTWORK DAMPER ASSEMBLY INCORPORATING SAME AND METHOD OF ASSEMBLING DUCTWORK DAMPER ASSEMBLY**
[54] **COLONNE ISOLANTE POUR UN ASSEMBLAGE DE REGISTRE DE SYSTEME DE GAINES, ASSEMBLAGE DE REGISTRE DE SYSTEME DE GAINES COMPRENANT LA COLONNE ISOLANTE ET METHODE D'ASSEMBLAGE DU REGISTRE DE SYSTEME DE GAINES**
[72] YOSKOWITZ, DAVID, US
[71] CAPITAL HARDWARE SUPPLY, LLC., US
[22] 2021-03-23
[41] 2021-08-10
[30] US (62/972,371) 2020-02-10

[21] **3,119,118**
[13] A1

[51] **Int.Cl. E03B 3/02 (2006.01) A01G 25/09 (2006.01) E03B 3/03 (2006.01) E03B 11/02 (2006.01)**
[25] EN
[54] **APPARATUS FOR COLLECTING AND DISPENSING FLUID**
[54] **APPAREIL POUR RECUEILLIR ET DISTRIBUER UN FLUIDE**
[72] BROWN, PAUL, CA
[71] BROWN, PAUL, CA
[22] 2021-05-18
[41] 2021-08-09
[30] US (17/306,359) 2021-05-03

[21] **3,119,151**
[13] A1

[51] **Int.Cl. B29C 45/48 (2006.01) B29C 45/50 (2006.01) B29C 49/06 (2006.01)**
[25] EN
[54] **INJECTION METHOD AND INJECTION APPARATUS FOR MOLTEN RESIN, AND INJECTION STRETCH BLOW MOLDING MACHINE USING INJECTION APPARATUS**
[54] **METHODE ET APPAREIL D'INJECTION DE RESINE FONDUE, ET MACHINE D'INJECTION-SOUFFLAGE AVEC BI-ETIRAGE UTILISANT L'APPAREIL D'INJECTION**
[72] AOKI, SHIGETO, JP
[71] AOKI TECHNICAL LABORATORY, INC., JP
[22] 2021-05-19
[41] 2021-08-11
[30] JP (2020-087318) 2020-05-19

[21] **3,121,067**
[13] A1

[51] **Int.Cl. E04B 2/00 (2006.01) E04B 1/18 (2006.01) E04B 2/74 (2006.01) E04C 2/34 (2006.01)**
[25] EN
[54] **BUILDING CONSTRUCTION SYSTEM**
[54] **SYSTEME DE CONSTRUCTION DE BATIMENT**
[72] MARJABA, GHASSAN, CA
[71] MARJABA, GHASSAN, CA
[22] 2021-06-04
[41] 2021-08-12
[30] US (63/078,426) 2020-09-15

[21] **3,121,345**
[13] A1

[51] **Int.Cl. F24T 10/13 (2018.01)**
[25] EN
[54] **GROUND HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR AU SOL**
[72] HALLIWELL, JOHN MARTIN, CA
[71] HC PROPERTIES INC., CA
[22] 2021-06-07
[41] 2021-08-13
[30] US (63/139,026) 2021-01-19

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[21] **3,121,646**

[13] A1

[51] **Int.Cl. B22D 17/30 (2006.01) B22D 17/04 (2006.01)**

[25] EN

[54] **DIE-CASTING PISTON, AND DIE-CASTING APPARATUS INCORPORATING SAME**

[54] **PISTON DE MOULAGE SOUS PRESSION ET APPAREIL DE MOULAGE SOUS PRESSION L'UTILISANT**

[72] ROBBINS, PAUL, CA

[71] EXCO TECHNOLOGIES LIMITED, CA

[22] 2021-06-09

[41] 2021-08-09

[30] US (16/944088) 2020-07-30

[21] **3,121,854**

[13] A1

[51] **Int.Cl. D21H 21/18 (2006.01) B32B 29/06 (2006.01) B32B 29/08 (2006.01) B65D 5/42 (2006.01) D21H 17/33 (2006.01) D21H 21/20 (2006.01)**

[25] EN

[54] **PROCESSES FOR MAKING IMPROVED CELLULOSE-BASED MATERIALS AND CONTAINERS**

[54] **PROCEDES DE FABRICATIONS DE MATERIAUX ET DE CONTENANTS AMELIORES A BASE DE CELLULOSE**

[72] HUSSAIN, SADAKAT, US

[72] REGEL, JAMES D., US

[71] INTERNATIONAL PAPER COMPANY, US

[22] 2021-06-07

[41] 2021-08-12

[30] US (16/916,382) 2020-06-30

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[21] **3,108,327**
[13] A1

[51] **Int.Cl. E04F 15/06 (2006.01) E01C 5/16 (2006.01)**
[25] EN
[54] **CORROSION-RESISTANT TILE**
[54] **CARREAU RESISTANT A LA CORROSION**
[72] ZHANG, SHUNYING, CN
[72] BAO, WEIJUN, CN
[71] ZHANG, SHUNYING, CN
[85] 2021-02-23
[86] 2020-03-09 (PCT/CN2020/078375)
[87] (3108327)
[30] CN (202010089083.1) 2020-02-12

[21] **3,108,629**
[13] A1

[51] **Int.Cl. G06T 7/579 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD OF OPERATION FOR REMOTELY OPERATED VEHICLES FOR SIMULTANEOUS LOCALIZATION AND MAPPING**
[54] **SYSTEME ET PROCEDE DE FONCTIONNEMENT POUR VEHICULES COMMANDES A DISTANCE PERMETTANT UNE LOCALISATION ET UNE CARTOGRAPHIE SIMULTANEEES**
[72] VENDAS DA COSTA, PEDRO MIGUEL, PT
[72] PARENTE DA SILVA, MANUEL ALBERTO, PT
[71] ABYSSAL S.A., PT
[85] 2021-02-03
[86] 2018-08-08 (PCT/IB2018/055979)
[87] (WO2020/030951)

[21] **3,113,267**
[13] A1

[51] **Int.Cl. G05D 1/02 (2020.01)**
[25] EN
[54] **GOLF-SHOT-TRACKING-SELF-DRIVING-PATH CENTRAL CONTROLLING SYSTEM**
[54] **SYSTEME DE CONTROLE CENTRAL AUTOMOTEUR DE SUIVI DE COUP DE GOLF**
[72] HSU, YUH-RONG, TW
[71] SUNRISE RESORT, INC., CN
[85] 2021-03-25
[86] 2020-02-13 (PCT/CN2020/075064)
[87] (3113267)

[21] **3,120,497**
[13] A1

[51] **Int.Cl. A01K 79/00 (2006.01) A01K 80/00 (2006.01) E02F 3/88 (2006.01)**
[25] EN
[54] **SUCTION GENERATION DEVICE**
[54] **DISPOSITIF DE GENERATION D'ASPIRATION**
[72] STORVIK, KJELL, NO
[71] C ROBOTICS, NO
[85] 2021-06-01
[86] 2021-04-16 (PCT/NO2021/050102)
[87] (3120497)
[30] NO (20200469) 2020-04-17

[21] **3,125,574**
[13] A1

[51] **Int.Cl. C04B 7/345 (2006.01) C04B 7/38 (2006.01) C04B 22/06 (2006.01) C04B 24/00 (2006.01) C04B 28/02 (2006.01)**
[25] FR
[54] **NEW FORMULATION FOR A LOW-CARBON CONSTRUCTION BINDER, METHOD OF PRODUCTION, AND CONSTRUCTION MATERIALS**
[54] **NOUVELLE FORMULATION POUR LIANT DE CONSTRUCTION BAS CARBONE, PROCEDE DE PREPARATION ET MATERIAUX DE CONSTRUCTION**
[72] NEUVILLE, MATHIEU, FR
[71] MATERR'UP, FR
[85] 2021-06-29
[86] 2019-12-31 (PCT/FR2019/053319)
[87] (WO2020/141285)
[30] EP (18306902.0) 2018-12-31
[30] FR (1901300) 2019-02-08

[21] **3,126,262**
[13] A1

[51] **Int.Cl. B27K 3/02 (2006.01) B27K 3/16 (2006.01) B27K 5/00 (2006.01) B65G 33/00 (2006.01) C10G 1/00 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR FEEDING WOOD PARTICLES INTO IMPREGNATING**
[54] **AGENCEMENT POUR L'INTRODUCTION DE PARTICULES DE BOIS PENDANT UNE IMPREGNATION**
[72] TURUNEN, SAMI, FI
[72] LAITILA, MIKA, FI
[71] UPM-KYMMENE CORPORATION, FI
[85] 2021-07-09
[86] 2019-01-29 (PCT/EP2019/052133)
[87] (WO2020/156645)

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[21] **3,126,266**
[13] A1

[51] **Int.Cl. A01N 1/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR CRYOPRESERVATION OF A BIOLOGICAL MATERIAL**
[54] **COMPOSITIONS POUR LA CRYOCONSERVATION D'UN MATERIEL BIOLOGIQUE**
[72] ECTORS, FABIEN, BE
[72] GROBET, LUC, BE
[72] CONNAN, DELPHINE, BE
[72] DUPUIS, NADINE, BE
[71] CELL MATTERS SA, BE
[85] 2021-07-09
[86] 2020-02-07 (PCT/EP2020/053065)
[87] (WO2020/161273)
[30] EP (19155970.7) 2019-02-07

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[13] A1

[51] **Int.Cl. B65H 54/60 (2006.01) B65H 75/36 (2006.01)**
[25] FR
[54] **DEVICE FOR WINDING A FLEXIBLE TUBE**
[54] **DISPOSITIF DE BOBINAGE D'UN TUBE SOUPLE**
[72] KANDIN, PATRICE, FR
[71] KANDIN, PATRICE, FR
[85] 2021-07-09
[86] 2020-01-10 (PCT/FR2020/000008)
[87] (WO2020/144420)
[30] FR (FR1900286) 2019-01-11

[21] **3,126,268**
[13] A1

[51] **Int.Cl. C07D 471/08 (2006.01) A61K 49/08 (2006.01) A61K 49/10 (2006.01) C07D 487/04 (2006.01)**
[25] FR
[54] **COMPLEX OF GADOLINIUM AND A CHELATING LIGAND DERIVED FROM A DIASTEREOISOMERICALLY ENRICHED PCTA AND PREPARATION AND PURIFICATION PROCESS**
[54] **COMPLEXE DE GADOLINIUM ET D'UN LIGAND CHELATEUR DERIVE DE PCTA DIASTEREOISOMERIQUEMENT ENRICHI ET PROCEDE DE PREPARATION ET DE PURIFICATION**
[72] LE GRENEUR, SOIZIC, FR
[72] CHENEDE, ALAIN, FR
[72] CERF, MARTINE, FR
[72] PETTA, MYRIAM, FR
[72] MARAIS, EMMANUELLE, FR
[72] FRANCOIS, BRUNO, FR
[72] ROBIC, CAROLINE, FR
[72] LOUGUET, STEPHANIE, FR
[71] GUERBET, FR
[85] 2021-07-09
[86] 2020-01-17 (PCT/EP2020/051153)
[87] (WO2020/148436)
[30] FR (1900432) 2019-01-17

[21] **3,126,337**
[13] A1

[51] **Int.Cl. C07D 471/08 (2006.01) A61K 49/08 (2006.01) A61K 49/10 (2006.01) C07D 487/04 (2006.01) C07F 5/00 (2006.01)**
[25] FR
[54] **COMPLEX OF GADOLINIUM AND A CHELATING LIGAND DERIVED OF A DIASTEREOISOMERICALLY ENRICHED PCTA AND SYNTHESIS METHOD**
[54] **COMPLEXE DE GADOLINIUM ET D'UN LIGAND CHELATEUR DERIVE DE PCTA DIASTEREOISOMERIQUEMENT ENRICHI ET PROCEDE DE SYNTHESE**
[72] LE GRENEUR, SOIZIC, FR
[72] CHENEDE, ALAIN, FR
[72] CERF, MARTINE, FR
[72] DECROU, STEPHANE, FR
[72] FRANCOIS, BRUNO, FR
[71] GUERBET, FR
[85] 2021-07-09
[86] 2020-01-17 (PCT/EP2020/051142)
[87] (WO2020/148431)
[30] FR (1900433) 2019-01-17

[21] **3,126,340**
[13] A1

[51] **Int.Cl. A47K 11/02 (2006.01) C05F 3/04 (2006.01) C05F 3/06 (2006.01)**
[25] EN
[54] **COMPOSTING TOILET**
[54] **TOILETTES A COMPOSTAGE**
[72] STEARNS, LARRY, US
[72] STEARNS, MICHAEL, US
[72] BARTCHLETT, KEVIN A., US
[71] MEDAL TECHNOLOGIES, LLC, US
[71] STEARNS, LARRY, US
[71] STEARNS, MICHAEL, US
[71] BARTCHLETT, KEVIN A., US
[85] 2021-07-09
[86] 2019-09-20 (PCT/US2019/052068)
[87] (WO2020/146015)
[30] US (62/790,044) 2019-01-09

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[21] **3,126,344**
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01)**
[25] EN
[54] **SURGICAL INSTRUMENT FOR GONIOTOMY PROCEDURE, METHOD OF USE, AND METHOD OF MANUFACTURE**
[54] **INSTRUMENT CHIRURGICAL POUR PROCEDURE DE GONIOTOMIE, PROCEDE D'UTILISATION ET PROCEDE DE FABRICATION**
[72] YOKOYAMA, MITSUNOBU, JP
[71] RAICO INTERNATIONAL, LLC, US
[85] 2021-07-09
[86] 2019-07-03 (PCT/US2019/040538)
[87] (WO2020/149877)
[30] US (62/792,058) 2019-01-14

[21] **3,126,345**
[13] A1

[51] **Int.Cl. A47J 37/07 (2006.01) A47J 37/06 (2006.01) F23K 3/14 (2006.01) F24B 1/02 (2006.01) F24B 13/04 (2006.01)**
[25] EN
[54] **BATTERY ENABLED PELLET GRILL**
[54] **GRILL A GRANULES ACTIVE PAR BATTERIE**
[72] GAFFORD, ALEX, US
[72] RAHMANI, RAMIN KHOSRAVI, US
[71] W.C. BRADLEY CO., US
[85] 2021-07-09
[86] 2020-01-03 (PCT/US2020/012235)
[87] (WO2020/142723)
[30] US (62/788,508) 2019-01-04

[21] **3,126,346**
[13] A1

[51] **Int.Cl. G09B 7/00 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD, AND COMPUTER READABLE MEDIUM FOR DEVELOPING PROFICIENCY OF A USER IN A TOPIC**
[54] **SYSTEME, PROCEDE ET SUPPORT LISIBLE PAR ORDINATEUR POUR DEVELOPPER UNE COMPETENCE D'UN UTILISATEUR DANS UN SUJET**
[72] YURYEV, ALEXANDER SERGEEVICH, CN
[72] SKUBEEV, VALERIY TIMOFEEVICH, RU
[71] HEADWAY INNOVATION, INC., US
[85] 2021-07-09
[86] 2019-01-13 (PCT/US2019/013407)
[87] (WO2020/145994)

[21] **3,126,347**
[13] A1

[51] **Int.Cl. G09B 7/00 (2006.01)**
[25] EN
[54] **COMPREHENSIVE SYSTEM AND METHODOLOGY BASED ON CROSS-DISCIPLINARY STUDIES OF COGNITIVE SCIENCE, LEARNING THEORIES AND PEDAGOGIES**
[54] **SYSTEME ET METHODOLOGIE COMPLETS FONDES SUR DES ETUDES INTERDISCIPLINAIRES DE SCIENCES COGNITIVES, DE THEORIES ET DE PEDAGOGIES DE L'APPRENTISSAGE**
[72] YURYEV, ALEXANDER SERGEEVICH, CN
[72] SKUBEEV, VALERIY TIMOFEEVICH, RU
[71] HEADWAY INNOVATION, INC., US
[85] 2021-07-09
[86] 2019-01-13 (PCT/US2019/013406)
[87] (WO2020/145993)

[21] **3,126,348**
[13] A1

[51] **Int.Cl. C07F 9/6561 (2006.01) A61K 9/14 (2006.01) A61K 31/675 (2006.01) A61K 47/10 (2017.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) C07F 9/6558 (2006.01) A61K 31/685 (2006.01) C07H 19/06 (2006.01) C07H 19/16 (2006.01)**
[25] EN
[54] **ANTIVIRAL PRODRUGS AND FORMULATIONS THEREOF**
[54] **PROMEDICAMENTS ANTIVIRAUX ET FORMULATIONS DE CEUX-CI**
[72] GENDELMAN, HOWARD E., US
[72] EDAGWA, BENSON, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US
[85] 2021-07-09
[86] 2019-01-14 (PCT/US2019/013462)
[87] (WO2019/140365)
[30] US (62/616,549) 2018-01-12

[21] **3,126,349**
[13] A1

[51] **Int.Cl. B60N 2/28 (2006.01) B60R 21/015 (2006.01) B60R 22/18 (2006.01) B60R 22/185 (2006.01) B60R 22/19 (2006.01)**
[25] EN
[54] **TILT-LOCK ADJUSTER WITH TENSION INDICATOR**
[54] **DISPOSITIF D'AJUSTEMENT DE VERROUILLAGE DE BASCULEMENT AVEC INDICATEUR DE TENSION**
[72] GEIST, CHRISTOPHER, US
[71] INDIANA MILLS & MANUFACTURING, INC., US
[85] 2021-07-09
[86] 2019-06-17 (PCT/US2019/037485)
[87] (WO2019/245971)
[30] US (16/010,633) 2018-06-18

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[21] **3,126,350**
[13] A1

[51] **Int.Cl. B60D 1/01 (2006.01) B60D 1/04 (2006.01) B60D 1/07 (2006.01) B60D 1/145 (2006.01) B60D 1/155 (2006.01) B60D 3/00 (2006.01)**

[25] EN

[54] **MANUAL PALLET JACK HITCH AND RELATED SYSTEMS AND METHODS**

[54] **ATTELAGE DE TRANSPALETTE MANUEL ET SYSTEMES ET PROCEDES ASSOCIES**

[72] JOHNSON, DAN, US

[71] DANE TECHNOLOGIES, INC., US

[85] 2021-07-09

[86] 2020-01-09 (PCT/US2020/012952)

[87] (WO2020/146648)

[30] US (62/790,225) 2019-01-09

[21] **3,126,351**
[13] A1

[51] **Int.Cl. G16H 20/17 (2018.01) G16H 40/63 (2018.01) G16H 50/20 (2018.01) A61M 16/00 (2006.01)**

[25] EN

[54] **SYSTEM FOR MONITORING DOSE PATTERN AND PATIENT RESPONSE**

[54] **SYSTEME DE SURVEILLANCE DE MODELE DE DOSE ET DE REPONSE DE PATIENT**

[72] GUERRA, JESSE, J., US

[72] CHINNAIAH, PRABHU, US

[72] WU, RICHARD STOR, US

[71] CAREFUSION 303, INC., US

[85] 2021-07-09

[86] 2020-01-10 (PCT/US2020/013044)

[87] (WO2020/146710)

[30] US (62/790,876) 2019-01-10

[21] **3,126,352**
[13] A1

[51] **Int.Cl. F04B 43/00 (2006.01) F04B 43/02 (2006.01) F04B 43/06 (2006.01) F04B 43/073 (2006.01) F04B 45/04 (2006.01) F04B 49/10 (2006.01)**

[25] EN

[54] **LEAK DETECTION AND CONTAINMENT MUFFLER SYSTEM**

[54] **SYSTEME DE SILENCIEUX A DETECTION ET A RETENUE DE FUITES**

[72] MCGARRY, PAUL, US

[72] MCDERMOTT, DANIEL, US

[71] PSG CALIFORNIA LLC, US

[85] 2021-07-09

[86] 2020-01-10 (PCT/US2020/013157)

[87] (WO2020/146778)

[30] US (62/790,545) 2019-01-10

[21] **3,126,353**
[13] A1

[51] **Int.Cl. C12N 15/66 (2006.01) C12N 15/09 (2006.01) C12N 15/10 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **COMPOSITIONS OF POLYNUCLEIC ACID VECTORS AND USES THEREOF**

[54] **COMPOSITIONS DE VECTEURS D'ACIDE POLYNUCLEIQUE ET UTILISATIONS CORRESPONDANTES**

[72] NIELSEN, ALEC A.K., US

[72] TARASOVA, YEKATERINA, US

[72] DELHAGEN, AMBER MARIE, US

[71] ASIMOV, INC., US

[85] 2021-07-09

[86] 2020-01-07 (PCT/US2020/012494)

[87] (WO2020/146319)

[30] US (62/790,343) 2019-01-09

[21] **3,126,354**
[13] A1

[51] **Int.Cl. G02B 6/24 (2006.01) G02B 6/36 (2006.01) G02B 6/38 (2006.01) G02B 6/44 (2006.01) G02B 6/46 (2006.01)**

[25] EN

[54] **FIBER OPTICAL CONNECTOR**

[54] **CONNECTEUR DE FIBRE OPTIQUE**

[72] CRAWFORD, WILLIAM, US

[71] PPC BROADBAND, INC., US

[85] 2021-07-09

[86] 2020-01-10 (PCT/US2020/013239)

[87] (WO2020/146841)

[30] US (62/790,503) 2019-01-10

[21] **3,126,355**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) H04L 29/08 (2006.01)**

[25] EN

[54] **FILE PORTABILITY ACROSS SAAS APPLICATIONS**

[54] **PORTABILITE DE FICHIERS PARMIS DES APPLICATIONS SAAS**

[72] VAN ROTTERDAM, JEROEN MATTIJS, US

[71] CITRIX SYSTEMS, INC., US

[85] 2021-07-09

[86] 2020-01-15 (PCT/US2020/013603)

[87] (WO2020/163050)

[30] US (16/266,195) 2019-02-04

[21] **3,126,357**
[13] A1

[51] **Int.Cl. B05D 1/02 (2006.01) B05D 1/16 (2006.01) B05D 1/28 (2006.01)**

[25] EN

[54] **NON-ASPHALTIC COATINGS, NON-ASPHALTIC ROOFING MATERIALS, AND METHODS OF MAKING THEREOF**

[54] **REVETEMENT SANS ASPHALTE, MATERIAU DE TOITURE SANS ASPHALTE ET LEURS PROCEDES DE FABRICATION**

[72] BOSS, DANIEL E., US

[72] TIBAH, DENIS MUKI, US

[72] RUFUS, ISAAC BERNARD, US

[72] CHICH, ADEM, US

[72] WILLIAMS, OVERTON, US

[72] CHEUNG, WILSON, US

[71] BMIC LLC, US

[85] 2021-07-09

[86] 2020-01-10 (PCT/US2020/013197)

[87] (WO2020/146806)

[30] US (62/790,853) 2019-01-10

[30] US (16/740,179) 2020-01-10

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[21] **3,126,358**
[13] A1

[51] **Int.Cl. A61K 38/22 (2006.01) A61P 1/00 (2006.01) C07K 14/47 (2006.01) C07K 14/575 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF A MALABSORPTIVE DISORDER**

[54] **COMPOSITIONS ET METHODES DE TRAITEMENT D'UN TROUBLE DE MALABSORPTION**

[72] MCCAULEY, HEATHER, US

[72] WELLS, JAMES MACORMACK, US

[71] CHILDREN'S HOSPITAL MEDICAL CENTER, US

[85] 2021-07-09

[86] 2020-01-14 (PCT/US2020/013428)

[87] (WO2020/150182)

[30] US (62/791,937) 2019-01-14

[21] **3,126,359**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07K 16/00 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **IMMUNOGLOBULIN A ANTIBODIES AND METHODS OF PRODUCTION AND USE**

[54] **ANTICORPS DE TYPE IMMUNOGLOBULINE A ET LEURS PROCEDES DE PRODUCTION ET METHODES D'UTILISATION**

[72] LOMBANA, TWYLA NOELLE, US

[72] ZORN, JULIE A., US

[72] MATSUMOTO, MARISSA L., US

[72] SPIESS, CHRISTOPH, US

[71] GENENTECH, INC., US

[85] 2021-07-09

[86] 2020-01-22 (PCT/US2020/014617)

[87] (WO2020/154405)

[30] US (62/795,367) 2019-01-22

[30] US (62/838,071) 2019-04-24

[21] **3,126,361**
[13] A1

[51] **Int.Cl. H04M 1/725 (2021.01)**

[25] EN

[54] **DECT PORTABLE DEVICE BASE STATION**

[54] **STATION DE BASE POUR DISPOSITIFS DECT PORTABLES**

[72] HALL-SMITH, RICHARD, GB

[72] LIU, HONGBING, CN

[71] MEIZHOU GUO WEI ELECTRONICS CO. LTD, CN

[85] 2021-07-09

[86] 2020-02-05 (PCT/IB2020/050908)

[87] (WO2020/161631)

[30] GB (1901602.1) 2019-02-05

[21] **3,126,364**
[13] A1

[51] **Int.Cl. E04F 13/04 (2006.01) C09J 7/21 (2018.01) B32B 5/24 (2006.01) E04B 1/68 (2006.01) E04B 1/82 (2006.01) E04B 1/84 (2006.01)**

[25] EN

[54] **JOINT TAPE**

[54] **BANDE DE JOINT**

[72] POINTL, STEFAN, AT

[72] STUBITS, ROBERT, AT

[72] WILHELM, ANDREAS, DE

[72] PHILIPP, SIMON, DE

[72] MARQUARDT, ANDREAS, DE

[72] VIEBAHN, MICHAEL, DE

[72] SCHAFER, MATTHIAS, DE

[71] KNAUF GIPS KG, DE

[71] 3D COATINGS GMBH & CO. KG, DE

[85] 2021-07-12

[86] 2019-02-19 (PCT/EP2019/000049)

[87] (WO2020/169169)

[21] **3,126,365**
[13] A1

[51] **Int.Cl. H01Q 1/24 (2006.01) H01Q 13/10 (2006.01) H01Q 19/10 (2006.01) H01Q 21/08 (2006.01) H01Q 21/24 (2006.01)**

[25] EN

[54] **DUAL-POLARIZATION ANTENNA ARRAY**

[54] **RESEAU D'ANTENNES A DOUBLE POLARISATION**

[72] KHRIPKOV, ALEXANDER, SE

[72] VIHKARI, VILLE, FI

[72] MONTOYA MORENO, RESTI, FI

[72] ALA-LAURINAHO, JUHA, FI

[72] ILVONEN, JANNE, SE

[71] HUAWEI TECHNOLOGIES, CO., LTD., CN

[85] 2021-07-12

[86] 2019-01-30 (PCT/EP2019/052196)

[87] (WO2020/156650)

[21] **3,126,368**
[13] A1

[51] **Int.Cl. F23N 1/00 (2006.01) F23N 5/12 (2006.01) F24H 9/20 (2006.01)**

[25] EN

[54] **METHOD FOR MONITORING A BURNER AND/OR A BURNING BEHAVIOR OF A BURNER AND BURNER ASSEMBLY**

[54] **PROCEDE DE SURVEILLANCE D'UN BRULEUR ET/OU D'UN COMPORTEMENT DE COMBUSTION D'UN BRULEUR AINSI QU'ENSEMBLE DE BRULEUR**

[72] MUSELMANN, WOLFGANG, DE

[72] ARMESTO-BEYER, KAI, DE

[72] HAWTHORNE, CRAIG, DE

[71] TRUMA GERATETECHNIK GMBH & CO. KG, DE

[85] 2021-07-12

[86] 2020-05-06 (PCT/EP2020/000091)

[87] (WO2020/228979)

[30] DE (10 2019 003 451.1) 2019-05-16

Demandes PCT entrant en phase nationale

[21] **3,126,371**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7125 (2006.01) A61P 27/00 (2006.01) C07H 21/02 (2006.01)**

[25] EN

[54] **ANTISENSE OLIGONUCLEOTIDES FOR THE TREATMENT OF LEBER'S CONGENITAL AMAUROSIS**

[54] **OLIGONUCLEOTIDES ANTISENS POUR LE TRAITEMENT DE L'AMAUROSE CONGENITALE DE LEBER**

[72] SWILDENS, JIM, NL

[72] VAN DE GIESSEN, JEROEN, NL

[72] DULLA, KALYANA CHAKRAVARTHI, NL

[71] PROQR THERAPEUTICS II B.V., NL

[85] 2021-07-12

[86] 2020-01-27 (PCT/EP2020/051942)

[87] (WO2020/157014)

[30] EP (19153889.1) 2019-01-28

[30] EP (19169523.8) 2019-04-16

[21] **3,126,401**
[13] A1

[51] **Int.Cl. A61K 31/165 (2006.01) A61K 31/4174 (2006.01) A61K 31/426 (2006.01) A61K 31/517 (2006.01) A61K 31/538 (2006.01) A61P 1/12 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **METHODS OF TREATING TYROSINE KINASE INHIBITOR-INDUCED DIARRHEA**

[54] **PROCEDES DE TRAITEMENT DE LA DIARRHEE INDUITE PAR UN INHIBITEUR DE LA TYROSINE KINASE**

[72] VERKMAN, ALAN S., US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2021-07-09

[86] 2020-01-16 (PCT/US2020/013941)

[87] (WO2020/150517)

[30] US (62/793,291) 2019-01-16

[21] **3,126,456**
[13] A1

[51] **Int.Cl. A61M 39/26 (2006.01) A61B 5/00 (2006.01) A61M 5/168 (2006.01) A61M 5/31 (2006.01) A61M 25/00 (2006.01) A61M 39/06 (2006.01) A61M 39/10 (2006.01)**

[25] EN

[54] **SYSTEM, METHOD, AND PRODUCT FOR EVENT MONITORING**

[54] **SYSTEME, PROCEDE ET PRODUIT DE SURVEILLANCE D'EVENEMENTS**

[72] BRAND, MAARTEN, US

[72] NELSON, MARK ANDREW, US

[72] BALJI, JACK, US

[72] PONCE DE LEON, PHILIP, US

[72] WITT, ERIK KURT, US

[72] ISAACSON, RAY, US

[72] ROTHENBERG, ASHLEY RACHEL, US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2021-07-12

[86] 2020-02-04 (PCT/US2020/016539)

[87] (WO2020/163297)

[30] US (62/800,613) 2019-02-04

[21] **3,126,461**
[13] A1

[51] **Int.Cl. F28G 1/16 (2006.01) B08B 3/02 (2006.01) B08B 9/04 (2006.01) F28G 9/00 (2006.01) F28G 15/00 (2006.01) F28G 15/02 (2006.01)**

[25] EN

[54] **FLEXIBLE LANCE DRIVE POSITIONER APPARATUS**

[54] **APPAREIL DE POSITIONNEMENT A ENTRAINEMENT DE LANCE FLEXIBLE**

[72] SCHNEIDER, JOSEPH A., US

[72] BARNES, JEFFERY R., US

[72] KRAUSER, JOHN L., US

[71] STONEAGE, INC., US

[85] 2021-07-12

[86] 2020-02-14 (PCT/US2020/018264)

[87] (WO2020/172059)

[30] US (62/808,203) 2019-02-20

[30] US (62/825,142) 2019-03-28

[30] US (62/857,703) 2019-06-05

[21] **3,126,463**
[13] A1

[51] **Int.Cl. G16H 20/17 (2018.01) G16H 40/20 (2018.01) G16H 40/60 (2018.01)**

[25] EN

[54] **SYSTEM, METHOD, AND PRODUCT FOR IDENTIFYING A LUMEN**

[54] **SYSTEME, PROCEDE ET PRODUIT POUR IDENTIFIER UNE LUMIERE**

[72] ISAACSON, RAY, US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2021-07-12

[86] 2020-02-04 (PCT/US2020/016546)

[87] (WO2020/163304)

[30] US (62/800,609) 2019-02-04

[21] **3,126,468**
[13] A1

[51] **Int.Cl. G01N 21/65 (2006.01) G01J 3/44 (2006.01) G01N 21/15 (2006.01)**

[25] FR

[54] **RESONANT OPTICAL CAVITY SYSTEM WITH OPTICAL FEEDBACK, SUITABLE FOR DETECTING TRACES OF GAS BY RAMAN SPECTROSCOPY**

[54] **SYSTEME DE CAVITE OPTIQUE RESONNANTE A RETROACTION OPTIQUE, ADAPTEE A LA DETECTION DE TRACES DE GAZ PAR SPECTROMETRIE DE RAMAN**

[72] KATCHANOV, ALEXANDRE, US

[72] JAULIN, KEVIN, FR

[72] STOLTMANN, TIM, FR

[72] CHOLAT, PIERRE, FR

[72] LONIGRO, LUCIEN, FR

[71] AP2E, FR

[85] 2021-07-08

[86] 2020-01-15 (PCT/IB2020/050302)

[87] (WO2020/148671)

[30] FR (19 00454) 2019-01-18

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[21] **3,126,470**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) G16H 10/60 (2018.01) G06F 9/46 (2006.01) G06F 11/34 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ORGANIZING AND FINDING DATA**

[54] **SYSTEMES ET PROCEDES D'ORGANISATION ET DE DECOUVERTE DE DONNEES**

[72] BLY, ADAM, US

[71] SYSTEM, INC., US

[85] 2021-07-12

[86] 2020-01-30 (PCT/US2020/015871)

[87] (WO2020/160264)

[30] US (62/799,981) 2019-02-01

[21] **3,126,474**
[13] A1

[51] **Int.Cl. G01N 33/569 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR THE RAPID DETECTION OF LISTERIA USING INFECTIOUS AGENTS**

[54] **PROCEDES ET SYSTEMES POUR LA DETECTION RAPIDE DE LISTERIA A L'AIDE D'AGENTS INFECTIEUX**

[72] ERICKSON, STEPHEN, US

[72] GIL, JOSE S., US

[72] NGUYEN, MINH MINDY BAO, US

[72] ANDERSON, DWIGHT LYMAN, US

[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US

[85] 2021-07-12

[86] 2020-01-29 (PCT/US2020/015737)

[87] (WO2020/160190)

[30] US (62/798,248) 2019-01-29

[21] **3,126,476**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) C12Q 1/6827 (2018.01) A61K 31/7088 (2006.01) A61P 27/06 (2006.01) C07K 14/515 (2006.01)**

[25] EN

[54] **TREATMENT OF OPHTHALMIC CONDITIONS WITH ANGIOPOIETIN-LIKE 7 (ANGPTL7) INHIBITORS**

[54] **TRAITEMENT D'ETATS OPHTALMIQUES AVEC DES INHIBITEURS DE L'ANGIOPOIETINE 7 (ANGPTL7)**

[72] PRAVEEN, KAVITA, US

[72] SCHURMANN, CLAUDIA, US

[72] GURSKI, LAUREN, US

[72] TESLOVICH DOSTAL, TANYA, US

[72] ABECASIS, GONCALO, US

[72] BARAS, ARIS, US

[72] COPPOLA, GIOVANNI, US

[71] REGENERON PHARMACEUTICALS, INC., US

[85] 2021-07-12

[86] 2020-01-21 (PCT/US2020/014373)

[87] (WO2020/154268)

[30] US (62/795,665) 2019-01-23

[30] US (62/880,609) 2019-07-30

[30] US (62/902,683) 2019-09-19

[30] US (62/909,573) 2019-10-02

[21] **3,126,477**
[13] A1

[51] **Int.Cl. C12N 9/12 (2006.01) C12N 9/10 (2006.01) C12P 5/00 (2006.01) C12P 5/02 (2006.01) C12P 7/02 (2006.01)**

[25] EN

[54] **ISOPRENOIDS AND METHODS OF MAKING THEREOF**

[54] **ISOPRENOIDES ET LEURS PROCEDES DE FABRICATION**

[72] WILLIAMS, GAVIN, US

[72] LUND, SEAN, US

[72] HALL, RACHAEL, US

[71] NORTH CAROLINA STATE UNIVERSITY, US

[85] 2021-07-12

[86] 2020-01-15 (PCT/US2020/013663)

[87] (WO2020/150340)

[30] US (62/792,523) 2019-01-15

[21] **3,126,481**
[13] A1

[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **TARGETED NUCLEAR RNA CLEAVAGE AND POLYADENYLATION WITH CRISPR-CAS**

[54] **CLIVAGE ET POLYADENYLATION D'ARN NUCLEAIRE CIBLES AVEC CRISPR-CAS**

[72] ANDERSON, DOUGLAS MATTHEW, US

[71] UNIVERSITY OF ROCHESTER, US

[85] 2021-07-12

[86] 2020-01-14 (PCT/US2020/013577)

[87] (WO2020/150287)

[30] US (62/791,971) 2019-01-14

[30] US (62/877,415) 2019-07-23

[21] **3,126,482**
[13] A1

[51] **Int.Cl. E04B 1/00 (2006.01) F16B 37/02 (2006.01) F16B 43/00 (2006.01) F16B 43/02 (2006.01) E04B 1/26 (2006.01) E04B 5/12 (2006.01)**

[25] EN

[54] **LEDGER CONNECTOR**

[54] **CONNECTEUR DE LONGRINES**

[72] HOLLAND, RACHEL MARIE, US

[72] MURPHY, THOMAS LEE, US

[72] STAUFFER, TIMOTHY M, US

[72] ANG, BENEDICT, US

[71] SIMPSON STRONG-TIE COMPANY INC., US

[85] 2021-07-12

[86] 2020-01-13 (PCT/US2020/013406)

[87] (WO2020/146900)

[30] US (62/791,875) 2019-01-13

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[21] **3,126,483**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06N 20/00 (2019.01) G06K 9/62 (2006.01) G06N 5/02 (2006.01)**

[25] EN

[54] **ENCODING TEXTUAL DATA FOR PERSONALIZED INVENTORY MANAGEMENT**

[54] **CODAGE DE DONNEES TEXTUELLES POUR GESTION PERSONNALISEE D'INVENTAIRE**

[72] LAN, TIAN, US
[72] HENG, XIN, US
[71] PUNCHH INC., US
[85] 2021-07-12
[86] 2020-01-13 (PCT/US2020/013387)
[87] (WO2020/150163)
[30] US (62/792,174) 2019-01-14

[21] **3,126,486**
[13] A1

[51] **Int.Cl. G10L 19/00 (2013.01)**

[25] EN

[54] **HIGH RESOLUTION AUDIO CODING**

[54] **CODAGE AUDIO A HAUTE RESOLUTION**

[72] GAO, YANG, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-07-12
[86] 2020-01-13 (PCT/US2020/013301)
[87] (WO2020/146869)
[30] US (62/791,822) 2019-01-13

[21] **3,126,488**
[13] A1

[51] **Int.Cl. B60B 7/00 (2006.01) B60B 7/06 (2006.01) B60B 7/08 (2006.01) F16C 33/72 (2006.01)**

[25] EN

[54] **SMART MAGNETIC VENT PLUG**

[54] **BOUCHON D'EVENEMENT MAGNETIQUE INTELLIGENT**

[72] ROBLES, MARIO, US
[72] LEWIS, ALTON, US
[71] VALCRUM, LLC, US
[85] 2021-07-12
[86] 2020-01-10 (PCT/US2020/013211)
[87] (WO2020/146818)
[30] US (62/790,869) 2019-01-10
[30] US (62/866,508) 2019-06-25

[21] **3,126,492**
[13] A1

[51] **Int.Cl. C12P 21/02 (2006.01) C12P 19/18 (2006.01)**

[25] EN

[54] **BIOCONJUGATE VACCINES' SYNTHESIS IN PROKARYOTIC CELL LYSATES**

[54] **SYNTHESE DE VACCINS BIOCONJUGUES DANS DES LYSATS CELLULAIRES PROCARYOTES**

[72] JEWETT, MICHAEL CHRISTOPHER, US
[72] STARK, JESSICA CAROL, US
[72] DELISA, MATTHEW P., US
[72] JAROENTOMECHAI, THAPAKORN, US
[71] NORTHWESTERN UNIVERSITY, US
[71] CORNELL UNIVERSITY, US
[85] 2021-07-12
[86] 2020-01-10 (PCT/US2020/013207)
[87] (WO2020/146814)
[30] US (62/791,425) 2019-01-11

[21] **3,126,495**
[13] A1

[51] **Int.Cl. C07D 249/08 (2006.01) A61K 31/415 (2006.01) A61K 31/4196 (2006.01) A61K 31/505 (2006.01) C07D 231/12 (2006.01) C07D 239/26 (2006.01)**

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[54] **CARBAMATE DERIVATIVES AND USES THEREOF**

[54] **DERIVES DE CARBAMATE ET LEURS UTILISATIONS**

[72] BOCK, MARK G., US
[72] HARRISON, DAVID, GB
[71] NODTHERA LIMITED, GB
[85] 2021-07-13
[86] 2020-01-24 (PCT/EP2020/051836)
[87] (WO2020/152361)
[30] US (62/796,724) 2019-01-25

[21] **3,126,499**
[13] A1

[51] **Int.Cl. A61K 35/35 (2015.01) A61K 35/646 (2015.01) A61K 35/36 (2015.01)**

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[54] **METHODS OF PURIFYING AN ALLERGEN EXTRACT**

[54] **PROCEDES DE PURIFICATION D'EXTRAITS D'ALLERGENES**

[72] ROMAN-ESCUTIA, MARTA, ES
[72] MORALES, MARIA, ES
[72] GALLEGO, MARIA TERESA, ES
[72] CARNES SANCHEZ, JERONIMO, ES
[71] LETI PHARMA S.L., ES
[85] 2021-07-13
[86] 2019-03-26 (PCT/EP2019/057647)
[87] (WO2020/147985)
[30] EP (19382030.5) 2019-01-17

[21] **3,126,505**
[13] A1

[51] **Int.Cl. F02C 7/047 (2006.01) B64D 15/04 (2006.01) F02C 7/045 (2006.01)**

[25] FR

[54] **AIR INTAKE OF AN AIRCRAFT TURBOJET ENGINE NACELLE COMPRISING VENTILATION ORIFICES FOR A DE-ICING FLOW OF HOT AIR**

[54] **ENTREE D'AIR D'UNE NACELLE DE TURBOREACTEUR D'AERONEF COMPORTANT DES OUVERTURES DE VENTILATION D'UN FLUX D'AIR CHAUD DE DEGIVRAGE**

[72] PASCAL, SEBASTIEN LAURENT MARIE, FR
[72] NOGUES, JEAN-MICHEL PAUL ERNEST, FR
[72] VERSAEVEL, MARC, FR
[72] CHAUVEAU, FRANCOIS, FR
[71] SAFRAN NACELLES, FR
[85] 2021-07-13
[86] 2020-01-22 (PCT/EP2020/051511)
[87] (WO2020/160906)
[30] FR (1901277) 2019-02-08

PCT Applications Entering the National Phase

[21] **3,126,508**
[13] A1

[51] **Int.Cl. C22B 9/04 (2006.01) B23K 35/26 (2006.01) C22B 25/08 (2006.01) C22C 3/00 (2006.01) C22C 13/00 (2006.01)**

[25] EN

[54] **IMPROVED CO-PRODUCTION OF LEAD AND TIN PRODUCTS**

[54] **CO-PRODUCTION AMELIOREE DE PRODUITS DE PLOMB ET D'ETAIN**

[72] GOVAERTS, KOEN, BE
[72] LEMMENS, PELLE, BE
[72] MANNAERTS, KRIS, BE
[72] GORIS, JAN DIRK A., BE
[72] DE VISSCHER, YVES, BE
[72] GEENEN, CHARLES, BE
[72] COLETTI, BERT, BE
[71] METALLO BELGUIM, BE
[85] 2021-07-13
[86] 2020-01-30 (PCT/EP2020/052226)
[87] (WO2020/157168)
[30] EP (19154614.2) 2019-01-30

[21] **3,126,511**
[13] A1

[51] **Int.Cl. F02C 7/047 (2006.01) F02C 7/045 (2006.01)**

[25] FR

[54] **AIR INTAKE OF AN AIRCRAFT TURBOJET ENGINE NACELLE COMPRISING VENTILATION ORIFICES FOR A DE-ICING FLOW OF HOT AIR**

[54] **ENTREE D'AIR D'UNE NACELLE DE TURBOREACTEUR D'AERONEF COMPORTANT DES OUVERTURES DE VENTILATION D'UN FLUX D'AIR CHAUD DE DEGIVRAGE**

[72] PASCAL, SEBASTIEN LAURENT MARIE, FR
[72] NOGUES, JEAN-MICHEL PAUL ERNEST, FR
[72] VERSAEVEL, MARC, FR
[72] CHAUVEAU, FRANCOIS, FR
[71] SAFRAN NACELLES, FR
[85] 2021-07-13
[86] 2020-01-22 (PCT/EP2020/051515)
[87] (WO2020/160907)
[30] FR (1901279) 2019-02-08

[21] **3,126,512**
[13] A1

[51] **Int.Cl. A61K 31/7068 (2006.01) A61K 31/7072 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **DEOXY- CYTIDINE OR URIDINE DERIVATIVES FOR USE IN CANCER THERAPIES**

[54] **DERIVES DE DESOXYCYTIDINE OU D'URIDINE DESTINES A ETRE UTILISES DANS DES THERAPIES ANTICANCEREUSES**

[72] ROBERTSON, ADAM BRIAN, NO
[72] PRIKRYLOVA, TEREZIA, SK
[71] HEMISPHERIAN AS, NO
[85] 2021-07-13
[86] 2020-02-03 (PCT/EP2020/052632)
[87] (WO2020/157335)
[30] GB (1901427.3) 2019-02-01

[21] **3,126,515**
[13] A1

[51] **Int.Cl. C22B 9/04 (2006.01) C22B 9/10 (2006.01) C22B 13/02 (2006.01) C22B 13/06 (2006.01)**

[25] EN

[54] **IMPROVED METHOD FOR PRODUCING HIGH PURITY LEAD**

[54] **PROCEDE AMELIORE DE PRODUCTION DE PLOMB DE HAUTE PURETE**

[72] GOVAERTS, KOEN, BE
[72] LEMMENS, PELLE, BE
[72] MANNAERTS, KRIS, BE
[72] GORIS, JAN DIRK A., BE
[72] GEENEN, CHARLES, BE
[72] COLETTI, BERT, BE
[72] DE VISSCHER, YVES, BE
[71] METALLO BELGUIM, BE
[85] 2021-07-13
[86] 2020-01-30 (PCT/EP2020/052222)
[87] (WO2020/157165)
[30] EP (19154606.8) 2019-01-30

[21] **3,126,580**
[13] A1

[51] **Int.Cl. C12Q 1/70 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **PISCINE ORTHOREOVIRUS VIRULENCE MARKERS**

[54] **MARQUEURS DE VIRULENCE D'ORTHOREOVIRUS PISCIAIRE**

[72] DEVOLD, MAGNUS ANDREAS, NO
[72] LUND, MORTEN, NO
[72] AANES, HAVARD, NO
[72] TEIGENE, LINDA RAMSEVIK, NO
[72] ASPEHAUG, VIDAR TEIS, NO
[72] RICHIE, GORDON, NO
[71] PATOGEN AS, NO
[85] 2021-07-12
[86] 2020-01-28 (PCT/NO2020/050017)
[87] (WO2020/159379)
[30] NO (20190110) 2019-01-30

[21] **3,126,594**
[13] A1

[51] **Int.Cl. F16N 11/08 (2006.01) F16N 11/00 (2006.01) F16N 13/02 (2006.01) F16N 25/00 (2006.01) F16N 27/00 (2006.01) F16N 27/02 (2006.01)**

[25] EN

[54] **DELIVERING AND METERING GREASE TO PROCESS VALVES**

[54] **DISTRIBUTION ET DOSAGE DE GRAISSE VERS DES VANNES DE PROCESSUS**

[72] BEASON, RONNIE B., US
[72] CANNON, NICHOLAS J., US
[71] BEASON, RONNIE B., US
[71] CANNON, NICHOLAS J., US
[85] 2021-07-13
[86] 2019-01-15 (PCT/US2019/013701)
[87] (WO2019/140459)
[30] US (62/617,443) 2018-01-15

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[21] **3,126,595**
[13] A1

[51] **Int.Cl. A61F 2/06 (2013.01) A61B 17/12 (2006.01)**
[25] EN
[54] **REMOTELY ADJUSTABLE MECHANISM AND ASSOCIATED SYSTEMS AND METHODS**
[54] **MECANISME REGLABLE A DISTANCE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] CULLY, EDWARD H., US
[72] DUNCAN, JEFFREY B., US
[72] SCOTTI, CHRISTINE M., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2021-07-13
[86] 2019-02-01 (PCT/US2019/016345)
[87] (WO2020/159541)

[21] **3,126,596**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01) B41J 2/14 (2006.01)**
[25] EN
[54] **MULTIPLE CIRCUITS COUPLED TO AN INTERFACE**
[54] **CIRCUITS MULTIPLES COUPLES A UNE INTERFACE**
[72] GARDNER, JAMES, US
[72] LINN, SCOTT, US
[72] CUMBIE, MICHAEL, US
[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[85] 2021-07-13
[86] 2019-02-06 (PCT/US2019/016725)
[87] (WO2020/162887)

[21] **3,126,597**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01)**
[25] EN
[54] **RESET MONITOR**
[54] **MONITEUR DE REINITIALISATION**
[72] LINN, SCOTT A., US
[72] GARDNER, JAMES M., US
[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[85] 2021-07-13
[86] 2019-02-06 (PCT/US2019/016749)
[87] (WO2020/162904)

[21] **3,126,598**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01)**
[25] EN
[54] **DIE FOR A PRINTHEAD**
[54] **PUCE POUR TETE D'IMPRESSIION**
[72] GARDNER, JAMES MICHAEL, US
[72] LINN, SCOTT A., US
[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[85] 2021-07-13
[86] 2019-02-06 (PCT/US2019/016790)
[87] (WO2020/162914)

[21] **3,126,599**
[13] A1

[51] **Int.Cl. F16B 7/14 (2006.01)**
[25] EN
[54] **BLIND FASTENER AND METHOD OF INSTALLATION THEREOF**
[54] **ELEMENT DE FIXATION AVEUGLE ET SON PROCEDE D'INSTALLATION**
[72] WILCOX, ROBERT B., US
[72] SMITH, JAMES THOMAS, US
[72] PIERCE, TROY DON, US
[71] HOWMET AEROSPACE INC., US
[85] 2021-07-13
[86] 2019-02-07 (PCT/US2019/016973)
[87] (WO2020/162936)

[21] **3,126,600**
[13] A1

[51] **Int.Cl. A61K 31/52 (2006.01) C07D 473/32 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR TREATING ADDICTION AND RELATED DISORDERS**
[54] **COMPOSES ET METHODES DE TRAITEMENT D'UNE DEPENDANCE ET DE TROUBLES ASSOCIES**
[72] KORINEK, WILLIAM S., US
[72] LISTON, THEODORE E., US
[72] LECHLEITER, JAMES D., US
[72] BECKSTEAD, MICHAEL, US
[71] ASTROCYTE PHARMACEUTICALS, INC., US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2021-07-13
[86] 2019-02-08 (PCT/US2019/017265)
[87] (WO2019/157317)
[30] US (62/628,658) 2018-02-09

[21] **3,126,601**
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01) G05B 23/02 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, KITS AND APPARATUSES FOR MONITORING AND MANAGING INDUSTRIAL SETTINGS**
[54] **PROCEDES, SYSTEMES, KITS ET APPAREILS POUR SURVEILLER ET GERER DES REGLAGES INDUSTRIELS**
[72] CELLA, CHARLES, US
[72] EL-TAHRY, TEYMOUR, US
[72] SPITZ, RICHARD, US
[72] MCGUCKIN, JEFFREY P., US
[72] DUFFY, GERALD WILLIAM, JR., US
[71] STRONG FORCE IOT PORTFOLIO 2016, LLC, US
[85] 2021-07-13
[86] 2019-10-31 (PCT/US2019/059088)
[87] (WO2020/146036)
[30] US (62/791,878) 2019-01-13
[30] US (62/827,166) 2019-03-31
[30] US (62/869,011) 2019-06-30
[30] US (62/914,998) 2019-10-14

[21] **3,126,602**
[13] A1

[51] **Int.Cl. C10M 133/56 (2006.01)**
[25] EN
[54] **ENGINE OILS FOR SOOT HANDLING AND FRICTION REDUCTION**
[54] **HUILES MOTEUR POUR LA MANIPULATION DE SUIE ET LA REDUCTION DE FROTTEMENT**
[72] LOPER, JOHN, US
[71] AFTON CHEMICAL CORPORATION, US
[85] 2021-07-13
[86] 2019-12-06 (PCT/US2019/064934)
[87] (WO2020/149958)
[30] US (16/251,459) 2019-01-18

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[21] **3,126,603**
[13] A1

[51] **Int.Cl. G08C 17/02 (2006.01) B60L 1/00 (2006.01)**
[25] EN
[54] **ON-BOARD CHARGING STATION FOR A REMOTE CONTROL DEVICE**
[54] **STATION DE CHARGE EMBARQUEE POUR UN DISPOSITIF DE COMMANDE A DISTANCE**
[72] WOODRUFF, VERN I., US
[72] LUTTMAN, TRISHA M., US
[72] SCHLOEMER, JAMES F., US
[72] PULSKAMP, STEVEN R., US
[72] MEIRING, DONALD T., US
[72] SHINEW, MATTHEW T., US
[72] PILCHER, KENT D., US
[72] DUCKWORTH, PAUL C., US
[72] HENDON, AUDREY, US
[71] CROWN EQUIPMENT CORPORATION, US
[85] 2021-07-13
[86] 2019-12-18 (PCT/US2019/067068)
[87] (WO2020/159635)
[30] US (62/800,032) 2019-02-01

[21] **3,126,604**
[13] A1

[51] **Int.Cl. A61F 2/40 (2006.01) A61B 17/15 (2006.01) A61B 17/17 (2006.01) A61F 2/02 (2006.01) A61F 2/30 (2006.01)**
[25] EN
[54] **IMPLANT SYSTEMS FOR REPAIR OF A GLENOID CAVITY**
[54] **SYSTEMES D'IMPLANT POUR LA REPARATION D'UNE CAVITE GLENOIDE**
[72] SCHWARTZ, HERBERT E., US
[72] MROCKOWSKI, MATTHEW L., US
[71] BIOPOLY, LLC, US
[85] 2021-07-13
[86] 2020-01-14 (PCT/US2020/013484)
[87] (WO2020/150217)
[30] US (62/792,618) 2019-01-15

[21] **3,126,605**
[13] A1

[51] **Int.Cl. G06F 3/048 (2013.01) H04N 21/20 (2011.01) H04N 21/23 (2011.01) H04N 21/439 (2011.01) G06Q 30/02 (2012.01) H04L 29/06 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR INSERTING ADVERTISING CONTENT INTO DIGITAL CONTENT**
[54] **TECHNIQUES PERMETTANT D'INSERER UN CONTENU PUBLICITAIRE DANS UN CONTENU NUMERIQUE**
[72] TURNER, JEFFREY MARK, US
[72] ZUCKER-SCHARFF, ARAM JASON, US
[71] WP COMPANY LLC, US
[85] 2021-07-13
[86] 2020-01-14 (PCT/US2020/013511)
[87] (WO2020/150238)
[30] US (16/248,550) 2019-01-15

[21] **3,126,606**
[13] A1

[51] **Int.Cl. B41J 2/175 (2006.01)**
[25] EN
[54] **INTEGRATED CIRCUITS INCLUDING CUSTOMIZATION BITS**
[54] **CIRCUITS INTEGRES COMPRENANT DES BITS DE PERSONNALISATION**
[72] LINN, SCOTT A., US
[72] GARDNER, JAMES MICHAEL, US
[72] CUMBIE, MICHAEL W., US
[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[85] 2021-07-13
[86] 2019-02-06 (PCT/US2019/016884)
[87] (WO2020/162931)

[21] **3,126,607**
[13] A1

[51] **Int.Cl. C01C 1/04 (2006.01) C01C 1/02 (2006.01) C01C 1/12 (2006.01)**
[25] EN
[54] **USE OF RENEWABLE ENERGY IN AMMONIA SYNTHESIS**
[54] **UTILISATION D'ENERGIE RENEUVABLE DANS LA SYNTHESE D'AMMONIAC**
[72] HUCKMAN, MICHAEL EDWARD, US
[72] STEVENSON, SCOTT, US
[72] WARD, ANDREW MARK, GB
[72] ABBOTT, TIM, GB
[72] LAWSON, KENNETH FRANCIS, GB
[72] SCHROER, JOSEPH WILLIAM, US
[72] ZHAO, ZHUN, US
[72] OPRINS, ARNO, NL
[71] SABIC GLOBAL TECHNOLOGIES B.V., NL
[85] 2021-07-13
[86] 2020-01-14 (PCT/US2020/013522)
[87] (WO2020/150245)
[30] US (62/792,612) 2019-01-15
[30] US (62/792,615) 2019-01-15
[30] US (62/792,617) 2019-01-15
[30] US (62/792,619) 2019-01-15
[30] US (62/792,622) 2019-01-15
[30] US (62/792,627) 2019-01-15
[30] US (62/792,631) 2019-01-15
[30] US (62/792,632) 2019-01-15
[30] US (62/792,633) 2019-01-15
[30] US (62/792,634) 2019-01-15
[30] US (62/792,635) 2019-01-15
[30] US (62/792,636) 2019-01-15
[30] US (62/792,637) 2019-01-15

[21] **3,126,608**
[13] A1

[51] **Int.Cl. A61B 17/24 (2006.01) A61M 29/02 (2006.01)**
[25] EN
[54] **SINUS DILATION**
[54] **DILATATION DES SINUS**
[72] HISSONG, JAMES BRITTON, US
[71] MEDTRONIC XOMED, INC., US
[85] 2021-07-09
[86] 2020-01-10 (PCT/US2020/013201)
[87] (WO2020/146809)
[30] US (62/791,075) 2019-01-11

Demandes PCT entrant en phase nationale

[21] **3,126,609**
[13] A1

[51] **Int.Cl. B32B 3/30 (2006.01) B32B 5/02 (2006.01) B32B 7/06 (2019.01) B32B 7/12 (2006.01)**

[25] EN

[54] **RIBLET FILM AND METHOD FOR THE PRODUCTION THEREOF**

[54] **FEUILLE NERVUREE ET PROCEDE POUR FABRIQUER CELLE-CI**

[72] PFINGSTEN, KAI-CHRISTOPH, DE

[72] SEUL, ANDREAS, DE

[71] LUFTHANSA TECHNIK AG, DE

[85] 2021-07-13

[86] 2020-01-22 (PCT/EP2020/000022)

[87] (WO2020/151907)

[30] DE (10 2019 101 485.9) 2019-01-22

[21] **3,126,612**
[13] A1

[51] **Int.Cl. G03B 5/00 (2021.01) G03B 15/07 (2021.01)**

[25] EN

[54] **TECHNICAL STAGE DEVICE AND METHOD FOR DETERMINING A CORRELATION FUNCTION**

[54] **DISPOSITIF DE SCENE TECHNIQUE ET METHODE DE DETERMINATION D'UNE FONCTION DE CORRELATION**

[72] PETRICEK, WERNER, AT

[71] ZACTRACK GMBH, AT

[85] 2021-07-13

[86] 2020-01-09 (PCT/EP2020/050414)

[87] (WO2020/151955)

[30] AT (A50055/2019) 2019-01-24

[21] **3,126,615**
[13] A1

[51] **Int.Cl. A61K 31/352 (2006.01) A61K 31/065 (2006.01) A61P 25/08 (2006.01)**

[25] EN

[54] **USE OF CANNABINOIDS IN THE TREATMENT OF EPILEPSY**

[54] **UTILISATION DE CANNABINOIDES DANS LE TRAITEMENT DE L'EPILEPSIE**

[72] GUY, GEOFFREY, GB

[72] KNAPPERTZ, VOLKER, GB

[71] GW RESEARCH LIMITED, GB

[85] 2021-07-13

[86] 2020-02-18 (PCT/GB2020/050383)

[87] (WO2020/169960)

[30] GB (1902427.2) 2019-02-22

[21] **3,126,610**
[13] A1

[51] **Int.Cl. A43B 5/04 (2006.01) A43C 11/14 (2006.01)**

[25] EN

[54] **SKI BOOT**

[54] **CHAUSSURE DE SKI**

[72] BANI, FELICE, IT

[72] BANI, LUCA, IT

[72] BANI, LUCA, IT

[71] BANI, FELICE, IT

[71] BANI, LUCA, IT

[85] 2021-01-20

[86] 2019-07-10 (PCT/IB2019/055861)

[87] (WO2020/026055)

[30] IT (102018000007611) 2018-07-30

[21] **3,126,613**
[13] A1

[51] **Int.Cl. G02C 11/06 (2006.01) A61F 9/02 (2006.01)**

[25] EN

[54] **SUPPORT FOR A TEMPLE FRONT PORTION**

[54] **SUPPORT POUR TUBE TELESCOPIQUE**

[72] PFANNER, ANTON, AT

[71] PFANNER SCHUTZBEKLEIDUNG GMBH, AT

[85] 2021-07-12

[86] 2020-01-16 (PCT/EP2020/051031)

[87] (WO2020/148389)

[30] DE (10 2019 101 083.7) 2019-01-16

[21] **3,126,616**
[13] A1

[51] **Int.Cl. B65D 83/20 (2006.01) B65D 83/14 (2006.01)**

[25] FR

[54] **DISPENSER FOR A PRESSURISED CONTAINER**

[54] **DIFFUSEUR POUR RECIPIENT SOUS PRESSION**

[72] GAILLARD, ERIC, FR

[72] BODET, HERVE, FR

[71] LINDAL FRANCE (SAS), FR

[85] 2021-07-13

[86] 2020-01-21 (PCT/EP2020/051335)

[87] (WO2020/152125)

[30] FR (1900676) 2019-01-25

[21] **3,126,611**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/00 (2006.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01)**

[25] EN

[54] **FORMULATIONS**

[54] **FORMULATIONS**

[72] JOHNSON, ANDY, GB

[72] EBNER, MARTIN, GB

[72] GRUDZIEN, LUKASZ, GB

[71] IMMUNOCORE LIMITED, GB

[85] 2021-07-13

[86] 2020-01-16 (PCT/EP2020/051002)

[87] (WO2020/148372)

[30] GB (1900658.4) 2019-01-17

[30] GB (1905105.1) 2019-04-10

[21] **3,126,614**
[13] A1

[51] **Int.Cl. C01B 3/38 (2006.01) C01B 3/48 (2006.01)**

[25] EN

[54] **SYNTHESIS GAS PRODUCTION BY STEAM METHANE REFORMING**

[54] **PRODUCTION DE GAZ DE SYNTHESE PAR REFORMAGE DE METHANE A LA VAPEUR**

[72] MORTENSEN, PETER MOLGAARD, DK

[71] HALDOR TOPSOE A/S, DK

[85] 2021-07-13

[86] 2020-02-27 (PCT/EP2020/055174)

[87] (WO2020/174057)

[30] DK (PA 2019 00255) 2019-02-28

[21] **3,126,617**
[13] A1

[51] **Int.Cl. B65D 83/20 (2006.01) B65D 83/14 (2006.01)**

[25] FR

[54] **DIFFUSER OUTLET DUCT**

[54] **CONDUIT DE SORTIE POUR DIFFUSEUR**

[72] GAILLARD, ERIC, FR

[72] BODET, HERVE, FR

[71] LINDAL FRANCE (SAS), FR

[85] 2021-07-13

[86] 2020-01-21 (PCT/EP2020/051336)

[87] (WO2020/152126)

[30] FR (1900676) 2019-01-25

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[21] **3,126,618**
[13] A1

[51] **Int.Cl. G01F 1/66 (2006.01)**
[25] EN
[54] **ULTRASONIC GAS METERS AND RELATED FLOWTUBES**
[54] **COMPTEURS DE GAZ A ULTRASONS ET TUBES D'ECOULEMENT ASSOCIES**
[72] HEALY, DAVID, GB
[72] SOKOL, BENJAMIN JOHN, US
[72] MEANWELL, HILARY JANE, GB
[72] FRAZEE, ERIC, US
[72] PATERSON, CHARLIE, GB
[71] SENSUS SPECTRUM, LLC, US
[85] 2021-07-13
[86] 2019-08-29 (PCT/IB2019/057297)
[87] (WO2020/148578)
[30] US (16/252,026) 2019-01-18

[21] **3,126,619**
[13] A1

[51] **Int.Cl. B65D 83/20 (2006.01) B65D 83/14 (2006.01)**
[25] FR
[54] **DISPENSER FOR A PRESSURISED CONTAINER**
[54] **DIFFUSEUR POUR RECIPIENT SOUS PRESSION**
[72] GAILLARD, ERIC, FR
[72] BODET, HERVE, FR
[71] LINDAL FRANCE (SAS), FR
[85] 2021-07-13
[86] 2020-01-21 (PCT/EP2020/051337)
[87] (WO2020/152127)
[30] FR (1900676) 2019-01-25

[21] **3,126,620**
[13] A1

[51] **Int.Cl. C01B 3/16 (2006.01) C01B 3/38 (2006.01) C01B 3/48 (2006.01) C07C 29/151 (2006.01) C10G 2/00 (2006.01) C25B 1/04 (2021.01)**
[25] EN
[54] **CHEMICAL SYNTHESIS PLANT**
[54] **INSTALLATION DE SYNTHESE CHIMIQUE**
[72] DE SARKAR, SUDIP, DK
[72] OSTBERG, MARTIN, DK
[72] CHRISTENSEN, THOMAS SANDAHL, DK
[72] AASBERG-PETERSEN, KIM, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2021-07-13
[86] 2020-04-03 (PCT/EP2020/059598)
[87] (WO2020/207926)
[30] DK (PA 2019 00434) 2019-04-08

[21] **3,126,621**
[13] A1

[51] **Int.Cl. E04G 23/02 (2006.01) E04C 3/26 (2006.01)**
[25] EN
[54] **METHOD FOR STRENGTHENING CONCRETE OR TIMBER STRUCTURES USING CFRP STRIPS AND CONCRETE OR TIMBER STRUCTURES STRENGTHENED BY THIS METHOD**
[54] **PROCEDE DE RENFORCEMENT DE STRUCTURES EN BETON OU EN BOIS A L'AIDE DE BANDES CFRP ET STRUCTURES EN BETON OU EN BOIS RENFORCEES PAR CE PROCEDE**
[72] HUPPI, MARTIN, CH
[72] HOSSEINI, ARDALAN, US
[72] MOSHIRI, NILOUFAR, IR
[72] MOSTOFINEJAD, DAVOOD, IR
[72] CZADERSKI, CHRISTOPH, CH
[72] MOTAVALLI, MASOUD, CH
[71] S&P CLEVER REINFORCEMENT COMPANY AG, CH
[71] EIDG. MATERIALPRUFUNGS- UND FORSCHUNGSANSTALT EMPA, CH
[85] 2021-07-13
[86] 2020-01-27 (PCT/EP2020/051932)
[87] (WO2020/157009)
[30] EP (19155050.8) 2019-02-01

[21] **3,126,622**
[13] A1

[51] **Int.Cl. C12Q 1/02 (2006.01) C12M 1/34 (2006.01) C12Q 1/04 (2006.01) C12Q 1/68 (2018.01) C12Q 1/70 (2006.01) G01N 21/75 (2006.01) G01N 21/78 (2006.01) G01N 33/50 (2006.01) G01N 33/52 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **MULTI-TEST KIT**
[54] **KIT MULTI-TEST**
[72] RUSSAK, ZE'EV, IL
[71] RUSSAK, ZE'EV, IL
[85] 2021-07-13
[86] 2019-12-31 (PCT/IB2019/061468)
[87] (WO2020/148593)
[30] US (62/791,950) 2019-01-14

[21] **3,126,623**
[13] A1

[51] **Int.Cl. G09B 23/28 (2006.01)**
[25] EN
[54] **MEDICAL LEARNING DEVICE BASED ON INTEGRATING PHYSICAL AND VIRTUAL REALITY WITH THE AIM OF STUDYING AND SIMULATING SURGICAL APPROACHES AT ANATOMICAL LOCATIONS**
[54] **DISPOSITIF D'APPRENTISSAGE MEDICAL BASE SUR L'INTEGRATION DE LA REALITE PHYSIQUE ET VIRTUELLE DANS LE BUT D'ETUDIER ET DE SIMULER DES APPROCHES CHIRURGICALES A DES EMBLEMES AN ATOMIQUES**
[72] NICOLOSI, FEDERICO, IT
[71] UPSURGEON S.R.L., IT
[85] 2021-07-13
[86] 2020-01-14 (PCT/IB2020/050258)
[87] (WO2020/148643)
[30] IT (102019000000583) 2019-01-14

[21] **3,126,624**
[13] A1

[51] **Int.Cl. A61C 13/00 (2006.01) B33Y 10/00 (2015.01) B33Y 80/00 (2015.01)**
[25] EN
[54] **DIGITAL DENTAL ARCH DATABASE**
[54] **BASE DE DONNEES NUMERIQUE DE RANGEES DE DENTS**
[72] KLINGENBURG, FRIEDHELM, DE
[72] KLEWER, OLAF, DE
[72] POERSCHKE, FRANK, DE
[71] MERZ DENTAL GMBH, DE
[85] 2021-07-13
[86] 2020-01-29 (PCT/EP2020/052172)
[87] (WO2020/157136)
[30] DE (10 2019 201 115.2) 2019-01-29

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[21] **3,126,626**
[13] A1

[51] **Int.Cl. C22B 9/02 (2006.01) B01D 3/14 (2006.01) C22C 13/00 (2006.01)**

[25] EN

[54] **IMPROVED TIN PRODUCTION**

[54] **PRODUCTION D'ETAIN AMELIOREE**

[72] GOVAERTS, KOEN, BE

[72] LEMMENS, PELLE, BE

[72] MANNAERTS, KRIS, BE

[72] GORIS, JAN DIRK A., BE

[72] DE VISSCHER, YVES, BE

[72] GEENEN, CHARLES, BE

[72] COLETTI, BERT, BE

[71] METALLO BELGUIM, BE

[85] 2021-07-13

[86] 2020-01-30 (PCT/EP2020/052225)

[87] (WO2020/157167)

[30] EP (19154610.0) 2019-01-30

[21] **3,126,627**
[13] A1

[51] **Int.Cl. C22B 3/12 (2006.01) B01D 11/02 (2006.01) C22B 3/42 (2006.01) C22B 3/44 (2006.01) C22B 11/00 (2006.01)**

[25] EN

[54] **METHOD FOR CARBON-CATALYSED THIOSULFATE LEACHING OF GOLD-BEARING MATERIALS**

[54] **PROCEDE DE LIXIVIATION AU THIOSULFATE CATALYSE PAR DU CARBONE DE MATERIAUX CONTENANT DE L'OR**

[72] OLVERA OLMEDO, OSCAR GERMAN, CA

[72] DOMANSKI, DANIEL FELIKS RAPHAEL, CA

[71] BARRICK GOLD CORPORATION, CA

[85] 2021-07-13

[86] 2020-01-21 (PCT/IB2020/000795)

[87] (WO2021/001690)

[30] US (62/794,887) 2019-01-21

[30] US (62/819,005) 2019-03-15

[21] **3,126,628**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **HALF-LIFE EXTENDED IMMTAC BINDING CD3 AND A HLA-A*02 RESTRICTED PEPTIDE**

[54] **CD3 SE LIANT A IMMTAC A DEMI-VIE PROLONGEE ET PEPTIDE RESTREINT HLA-A*02**

[72] CONROY, PAUL, GB

[72] HEARTY, STEPHEN, GB

[72] GEORGES, AMANDINE, GB

[72] MAK, LOK HANG, GB

[72] LISSIN, NIKOLAI, GB

[72] JOHNSON, ANDREW DAVID, GB

[72] HODGSON, EMMA, GB

[72] UYE, UDOFOYO, GB

[71] IMMUNOCORE LIMITED, GB

[85] 2021-07-13

[86] 2020-01-30 (PCT/EP2020/052316)

[87] (WO2020/157211)

[30] GB (1901306.9) 2019-01-30

[21] **3,126,629**
[13] A1

[51] **Int.Cl. F02C 7/045 (2006.01) F02C 7/047 (2006.01)**

[25] FR

[54] **AIR INTAKE OF AN AIRCRAFT TURBOJET ENGINE NACELLE COMPRISING VENTILATION ORIFICES FOR A DE-ICING FLOW OF HOT AIR**

[54] **ENTREE D'AIR D'UNE NACELLE DE TURBOREACTEUR D'AERONEF COMPORTANT DES OUVERTURES DE VENTILATION D'UN FLUX D'AIR CHAUD DE DEGIVRAGE**

[72] PASCAL, SEBASTIEN LAURENT MARIE, FR

[72] NOGUES, JEAN-MICHEL PAUL ERNEST, FR

[72] VERSAEVEL, MARC, FR

[72] CHAUVEAU, FRANCOIS, FR

[71] SAFRAN NACELLES, FR

[85] 2021-07-13

[86] 2020-02-05 (PCT/EP2020/052894)

[87] (WO2020/161200)

[30] FR (FR1901281) 2019-02-08

[21] **3,126,630**
[13] A1

[51] **Int.Cl. A61M 15/00 (2006.01) A61M 16/06 (2006.01) A61M 16/08 (2006.01) A61M 16/20 (2006.01)**

[25] FR

[54] **INHALATION CHAMBER**

[54] **CHAMBRE D'INHALATION**

[72] BRICHET-BILLET, ETIENNE, FR

[72] ZOCZEK, GUILLAUME, FR

[72] SOUAL, LUDOVIC, FR

[72] BROUARD, HUGUES, FR

[71] STIPLASTICS, FR

[85] 2021-07-13

[86] 2020-01-14 (PCT/FR2020/050041)

[87] (WO2020/148499)

[30] FR (1900302) 2019-01-14

[21] **3,126,631**
[13] A1

[51] **Int.Cl. E04H 1/12 (2006.01) E04B 1/82 (2006.01) F24F 7/00 (2021.01)**

[25] EN

[54] **A MOBILE CABIN WITH VENTILATION SYSTEM AND A METHOD FOR VENTILATION THEREOF**

[54] **CABINE MOBILE AVEC SYSTEME DE VENTILATION ET SON PROCEDE DE VENTILATION**

[72] ARGE, ENDRUS, EE

[71] SILEN OU, EE

[85] 2021-07-13

[86] 2020-01-15 (PCT/IB2020/050306)

[87] (WO2020/148674)

[30] EE (P201900004) 2019-01-18

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[21] **3,126,632**
[13] A1

[51] **Int.Cl. H02G 11/00 (2006.01) F16G 13/18 (2006.01) F16L 3/015 (2006.01)**
[25] EN
[54] **COMPACT PROTECTIVE CABLE CONDUIT FOR CLEAN ROOM APPLICATIONS AND ENCASING UNIT AND CLAMPING DEVICE FOR SAME**
[54] **CONDUITE DE CABLES PRODUCTIVE COMPACTE POUR DES APPLICATIONS EN SALLE BLANCHE, UNITE DE LOGEMENT ET DISPOSITIF DE SERRAGE**
[72] HERMEY, ANDREAS, DE
[72] BARTEN, DOMINIK, DE
[71] IGUS GMBH, DE
[85] 2021-07-13
[86] 2020-01-14 (PCT/IB2020/000047)
[87] (WO2020/148596)
[30] DE (20 2019 100 169.0) 2019-01-14
[30] DE (20 2019 103 276.6) 2019-06-11

[21] **3,126,633**
[13] A1

[51] **Int.Cl. E02F 9/20 (2006.01)**
[25] EN
[54] **EXCAVATING MACHINE WITH CONTROL SYSTEM OF THE COMBINED DRIVE OF TWO WINCHES**
[54] **MACHINE D'EXCAVATION AVEC SYSTEME DE CONTROLE DE L'ENTRAINEMENT COMBINE DE DEUX TREUILS**
[72] ANTONELLI, ALBERTO, IT
[72] ZANICHELLI, ALESSIO, IT
[72] AMORUSO, LUIGI, IT
[71] SOILMEC S.P.A., IT
[85] 2021-07-13
[86] 2020-01-21 (PCT/IB2020/050430)
[87] (WO2020/161551)

[21] **3,126,634**
[13] A1

[51] **Int.Cl. A63C 3/12 (2006.01)**
[25] EN
[54] **BLADE COVER**
[54] **COUVRE LAME**
[72] MERLO, SABRINA, IT
[71] VIS-VERSA' S.R.L., IT
[85] 2021-07-13
[86] 2020-01-22 (PCT/IB2020/050468)
[87] (WO2020/152588)
[30] IT (102019000001179) 2019-01-25

[21] **3,126,641**
[13] A1

[51] **Int.Cl. H01H 51/02 (2006.01) G08C 19/00 (2006.01) H03K 17/94 (2006.01)**
[25] EN
[54] **A SMART SWITCH MODULE AND METHOD FOR CONTROLLING A SMART SWITCH MODULE USING A STANDARD LIGHT SWITCH**
[54] **MODULE DE COMMUTEUR INTELLIGENT ET PROCEDE DE COMMANDE D'UN MODULE DE COMMUTEUR INTELLIGENT A L'AIDE D'UN COMMUTEUR DE LUMIERE STANDARD**
[72] SPRADLEY, MICHAEL, US
[71] SPRADLEY, MICHAEL, US
[85] 2021-07-13
[86] 2020-03-13 (PCT/IB2020/052340)
[87] (WO2020/144669)
[30] US (62/791,867) 2019-01-13

[21] **3,126,654**
[13] A1

[51] **Int.Cl. C07K 16/24 (2006.01)**
[25] EN
[54] **ANTI-TNF ANTIBODY COMPOSITIONS AND METHODS FOR THE TREATMENT OF JUVENILE IDIOPATHIC ARTHRITIS**
[54] **COMPOSITIONS D'ANTICORPS ANTI-TNF ET PROCEDES POUR LE TRAITEMENT DE L'ARTHRITE IDIOPATHIQUE JUVENILE**
[72] BENSLEY, KAREN, US
[72] CLARK, MICHAEL, US
[72] LEU, JOCELYN, US
[72] XU, SHENHUA, US
[71] JANSSEN BIOTECH, INC., US
[85] 2021-07-13
[86] 2020-01-14 (PCT/IB2020/050266)
[87] (WO2020/148651)
[30] US (62/792,568) 2019-01-15
[30] US (62/820,593) 2019-03-19
[30] US (62/899,171) 2019-09-12

[21] **3,126,662**
[13] A1

[51] **Int.Cl. B25J 19/00 (2006.01) B25J 9/04 (2006.01) B25J 11/00 (2006.01)**
[25] EN
[54] **METHOD TO PRODUCE AN ARTICULATED AUTOMATIC OPERATOR DEVICE AND CORRESPONDING ARTICULATED AUTOMATIC OPERATOR DEVICE**
[54] **PROCEDE DE PRODUCTION D'UN DISPOSITIF OPERATEUR AUTOMATIQUE ARTICULE ET DISPOSITIF OPERATEUR AUTOMATIQUE ARTICULE CORRESPONDANT**
[72] RUSTICI VENTURINI, GABRIELE, IT
[71] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT
[85] 2021-07-13
[86] 2020-01-30 (PCT/IT2020/050011)
[87] (WO2020/157780)
[30] IT (102019000001321) 2019-01-30

[21] **3,126,669**
[13] A1

[51] **Int.Cl. F16N 13/22 (2006.01) F16N 7/00 (2006.01) F16N 7/24 (2006.01) F16N 13/00 (2006.01) G02B 6/44 (2006.01) H02G 1/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR LUBRICATING CABLES OR THE LIKE**
[54] **SYSTEME DE LUBRIFICATION DE CABLES OU ANALOGUES**
[72] JUDAY, BENJAMIN, US
[72] SANFORD, DOUG, US
[72] BUCKERT, NATHAN, US
[72] ZANTOUT, ALAN, US
[71] IDEAL INDUSTRIES, INC., US
[85] 2021-07-13
[86] 2020-01-14 (PCT/US2020/013448)
[87] (WO2020/150197)
[30] US (62/792,196) 2019-01-14

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[21] **3,126,671**
[13] A1

[51] **Int.Cl. C12N 9/10 (2006.01) C12N 15/09 (2006.01) C12N 15/54 (2006.01) C12N 15/63 (2006.01) C12P 13/04 (2006.01) C12Q 1/52 (2006.01)**

[25] EN

[54] **ENGINEERED TRANSAMINASE POLYPEPTIDES**

[54] **POLYPEPTIDES DE TRANSAMINASE MODIFIES**

[72] NAZOR, JOVANA, US

[72] MICKLITSCH, CHRISTOPHER MICHAEL, US

[72] DUAN, DA, US

[72] SOWELL-KANTZ, AURIC ANTHONY, US

[72] MILLER, STEVEN, US

[72] KOSJEK, BIRGIT, US

[72] FARASAT, IMAN, US

[72] MARSHALL, NICHOLAS M., US

[71] CODEXIS, INC., US

[85] 2021-07-13

[86] 2020-01-13 (PCT/US2020/013288)

[87] (WO2020/150125)

[30] US (62/792,518) 2019-01-15

[21] **3,126,674**
[13] A1

[51] **Int.Cl. G01N 15/14 (2006.01) G01N 21/73 (2006.01) G01N 33/28 (2006.01) H01J 49/10 (2006.01) G01N 15/00 (2006.01)**

[25] EN

[54] **ANALYZING FLUIDS**

[54] **ANALYSE DE FLUIDES**

[72] STEPHAN, CHADY, CA

[72] HILLIGOSS, DAVID, US

[71] PERKINELMER HEALTH SCIENCES CANADA, INC., US

[85] 2021-07-13

[86] 2019-01-15 (PCT/US2019/013674)

[87] (WO2020/149836)

[21] **3,126,676**
[13] A1

[51] **Int.Cl. H02J 15/00 (2006.01) H01M 8/00 (2016.01)**

[25] EN

[54] **USE OF INTERMITTENT ENERGY IN THE PRODUCTION OF CHEMICALS**

[54] **UTILISATION D'ENERGIE INTERMITTENTE DANS LA PRODUCTION DE PRODUITS CHIMIQUES**

[72] STEVENSON, SCOTT, US

[72] WARD, ANDREW MARK, GB

[72] LAWSON, KENNETH FRANCIS, GB

[72] SCHROER, JOSEPH WILLIAM, US

[72] HUCKMAN, MICHAEL EDWARD, US

[72] ZHAO, ZHUN, US

[71] SABIC GLOBAL TECHNOLOGIES, B.V., NL

[85] 2021-07-13

[86] 2020-01-14 (PCT/US2020/013526)

[87] (WO2020/150249)

[30] US (62/792,612) 2019-01-15

[30] US (62/792,615) 2019-01-15

[30] US (62/792,617) 2019-01-15

[30] US (62/792,619) 2019-01-15

[30] US (62/792,622) 2019-01-15

[30] US (62/792,627) 2019-01-15

[30] US (62/792,631) 2019-01-15

[30] US (62/792,632) 2019-01-15

[30] US (62/792,633) 2019-01-15

[30] US (62/792,634) 2019-01-15

[30] US (62/792,635) 2019-01-15

[30] US (62/792,636) 2019-01-15

[30] US (62/792,637) 2019-01-15

[21] **3,126,677**
[13] A1

[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/28 (2015.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR INHIBITION OF LINEAGE SPECIFIC ANTIGENS**

[54] **COMPOSITIONS ET PROCEDES D'INHIBITION D'ANTIGENES SPECIFIQUES DE LIGNEE**

[72] MUKHERJEE, SIDDHARTHA, US

[72] BOROT, FLORENCE, US

[72] ALI, ABDULLAH, MAHMOOD, US

[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US

[85] 2021-07-13

[86] 2020-01-16 (PCT/US2020/013887)

[87] (WO2020/150478)

[30] US (62/793,210) 2019-01-16

[30] US (62/852,573) 2019-05-24

[21] **3,126,680**
[13] A1

[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/168 (2006.01)**

[25] EN

[54] **CATHETER FLUSH DEVICE, SYSTEM, AND METHODS**

[54] **DISPOSITIF, SYSTEME ET PROCEDES DE RINCAGE DE CATHETER**

[72] ISAACSON, S. RAY, US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2021-07-13

[86] 2020-01-16 (PCT/US2020/013909)

[87] (WO2020/159718)

[30] US (62/799,211) 2019-01-31

[30] US (16/741,998) 2020-01-14

[21] **3,126,681**
[13] A1

[51] **Int.Cl. E04B 1/26 (2006.01)**

[25] EN

[54] **REINFORCED HINGE CONNECTOR**

[54] **CONNECTEUR A CHARNIERE RENFORCE**

[72] EVANS, THOMAS G., US

[72] MUHN, DUSTIN P., US

[72] STAUFFER, TIMOTHY M., US

[72] HOLLAND, RACHEL MARIE, US

[71] SIMPSON STRONG-TIE COMPANY INC., US

[85] 2021-07-13

[86] 2020-01-14 (PCT/US2020/013570)

[87] (WO2020/150281)

[30] US (62/791,891) 2019-01-14

PCT Applications Entering the National Phase

[21] **3,126,683**
[13] A1

[51] **Int.Cl. C12Q 1/6876 (2018.01) C12Q 1/6811 (2018.01) C12Q 1/6874 (2018.01)**

[25] EN

[54] **DNA METHYLATION MEASUREMENT FOR MAMMALS BASED ON CONSERVED LOCI**

[54] **MESURE DE METHYLATION D'ADN POUR DES MAMMIFERES SUR LA BASE DE LOCI CONSERVES**

[72] HORVATH, STEFAN, US

[72] ERNST, JASON, US

[72] ARNESON, ADRIANA CRISTINA, US

[72] BARNES, BRET, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[71] ILLUMINA, INC., US

[85] 2021-07-13

[86] 2020-01-20 (PCT/US2020/014251)

[87] (WO2020/150705)

[30] US (62/794,364) 2019-01-18

[21] **3,126,685**
[13] A1

[51] **Int.Cl. C23C 4/08 (2016.01) C23C 4/129 (2016.01) C23C 4/06 (2016.01) C23C 24/04 (2006.01)**

[25] EN

[54] **METHOD TO MANUFACTURE A COMPONENT FOR A MACHINE FOR THE PRODUCTION AND/OR PACKAGING OF PHARMACEUTICAL PRODUCTS**

[54] **PROCEDE DE FABRICATION D'UNE PIECE DESTINEE A UNE MACHINE DE PRODUCTION ET/OU D'EMBALLAGE DE PRODUITS PHARMACEUTIQUES**

[72] RUSTICI VENTURINI, GABRIELE, IT

[72] TREBBI, CLAUDIO, IT

[72] GABUSI, GABRIELE, IT

[71] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT

[85] 2021-07-13

[86] 2020-01-30 (PCT/IT2020/050012)

[87] (WO2020/157781)

[30] IT (102019000001323) 2019-01-30

[21] **3,126,686**
[13] A1

[51] **Int.Cl. H04W 52/14 (2009.01) H04W 28/06 (2009.01)**

[25] EN

[54] **TERMINAL AND WIRELESS COMMUNICATION METHOD**

[54] **TERMINAL ET PROCEDE DE COMMUNICATION SANS FIL**

[72] OGUMA, YUTA, JP

[72] UMEDA, HIROMASA, JP

[71] NTT DOCOMO, INC., JP

[85] 2021-07-13

[86] 2019-02-22 (PCT/JP2019/006908)

[87] (WO2020/170452)

[21] **3,126,687**
[13] A1

[51] **Int.Cl. C07D 311/58 (2006.01) C07D 311/40 (2006.01)**

[25] EN

[54] **PROCESS FOR THE DIFFERENTIAL SOLUBILITY-DRIVEN ASYMMETRIC TRANSFORMATION OF SUBSTITUTED 2H-CHROMENE-3-CARBOXYLIC ACIDS**

[54] **PROCEDE DE TRANSFORMATION ASYMETRIQUE COMMANDEE PAR SOLUBILITE DIFFERENTIELLE D'ACIDES 2H-CHROMENE-3-CARBOXYLIQUES**

[72] OKUMURA, YOSHIYUKI, JP

[72] INAMI, YUKARI, JP

[72] DROS, BAS, NL

[72] LEEMAN, MICHEL SEBASTIAAN, NL

[71] ASKAT INC., JP

[85] 2021-07-13

[86] 2020-01-20 (PCT/JP2020/001630)

[87] (WO2020/153279)

[30] US (62/795,156) 2019-01-22

[21] **3,126,688**
[13] A1

[51] **Int.Cl. H01L 33/38 (2010.01) H01L 33/10 (2010.01) H01L 33/14 (2010.01) H01L 33/62 (2010.01) H01L 33/00 (2010.01)**

[25] EN

[54] **DEEP ULTRAVIOLET LIGHT-EMITTING DIODE**

[54] **DIODE ELECTROLUMINESCENCE ULTRAVIOLETTE PROFONDE**

[72] KIM, TAE GYUN, KR

[72] LEE, KYU HO, KR

[71] SEOUL VIOSYS CO., LTD., KR

[85] 2021-07-13

[86] 2019-12-06 (PCT/KR2019/017224)

[87] (WO2020/149531)

[30] KR (10-2019-0004547) 2019-01-14

[21] **3,126,689**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **A FUSED RING HETEROARYL COMPOUND AS AN ALK4/5 INHIBITOR**

[54] **COMPOSE HETEROARYLE A NOYAU FUSIONNE UTILISE EN TANT QU'INHIBITEUR D'ALK4/5**

[72] SEO, JEONGBEOB, KR

[72] KIM, MOONHWAN, KR

[72] HAN, CHEOLKYU, KR

[72] YOON, CHEOLHWAN, KR

[72] BAE, JONGHWAN, KR

[72] KANG, HONGJUN, KR

[71] BISICHEM CO., LTD., KR

[85] 2021-07-13

[86] 2020-01-19 (PCT/KR2020/000902)

[87] (WO2020/153676)

[30] US (62/795,232) 2019-01-22

Demandes PCT entrant en phase nationale

[21] **3,126,690**
[13] A1

[51] **Int.Cl. C08J 9/00 (2006.01) C08J 9/06 (2006.01) C08J 9/228 (2006.01) C08K 3/26 (2006.01) C08K 3/30 (2006.01) C08L 23/06 (2006.01) C08L 23/08 (2006.01)**

[25] EN

[54] **CONTINUOUS OPEN FOAM POLYMER SHEET METHOD**

[54] **PROCEDE CONTINU DE FEUILLE DE POLYMERE EXPANSE A CELLULES OUVERTES**

[72] LANGER, MARVIN, IL

[72] NEZER, EHUD, IL

[72] REISMAN, BENJAMIN JOSHUA, IL

[72] SMITH, SCOTT C., US

[72] TZUR, ZEEV, IL

[72] ZUR, BARUCH, IL

[71] PALZIV EIN HANAZIV AGRICULTURAL COOPERATIVE SOCIETY LTD., IL

[85] 2021-07-13

[86] 2019-01-15 (PCT/US2019/013648)

[87] (WO2020/149833)

[21] **3,126,691**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01)**

[25] EN

[54] **COMMUNICATING PRINT COMPONENT**

[54] **COMPOSANT D'IMPRESSION COMMUNIQUANT**

[72] LINN, SCOTT A., US

[72] GARDNER, JAMES MICHAEL, US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-13

[86] 2019-02-06 (PCT/US2019/016809)

[87] (WO2020/162916)

[21] **3,126,692**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01)**

[25] EN

[54] **COMMUNICATING PRINT COMPONENT**

[54] **COMPOSANT D'IMPRESSION COMMUNIQUANT**

[72] LINN, SCOTT A., US

[72] GARDNER, JAMES MICHAEL, US

[72] CUMBIE, MICHAEL W., US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-13

[86] 2019-02-06 (PCT/US2019/016815)

[87] (WO2020/162919)

[21] **3,126,693**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01) B41J 2/175 (2006.01) B41J 2/21 (2006.01) G11C 13/00 (2006.01)**

[25] EN

[54] **COMMUNICATING PRINT COMPONENT**

[54] **COMPOSANT D'IMPRESSION DE COMMUNICATION**

[72] GARDNER, JAMES MICHAEL, US

[72] LINN, SCOTT A., US

[72] ROSSI, JOHN, US

[72] NESS, ERIK D., US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-13

[86] 2019-02-06 (PCT/US2019/016817)

[87] (WO2020/162920)

[21] **3,126,694**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01)**

[25] EN

[54] **PRINT COMPONENT HAVING FLUIDIC ACTUATING STRUCTURES WITH DIFFERENT FLUIDIC ARCHITECTURES**

[54] **COMPOSANT D'IMPRESSION AYANT DES STRUCTURES D'ACTIONNEMENT FLUIDIQUE AVEC DIFFERENTES ARCHITECTURES FLUIDIQUES**

[72] LINN, SCOTT A., US

[72] GARDNER, JAMES MICHAEL, US

[72] ROSSI, JOHN, US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-13

[86] 2019-02-06 (PCT/US2019/016889)

[87] (WO2020/162932)

[21] **3,126,695**
[13] A1

[51] **Int.Cl. F16L 37/252 (2006.01) A01G 25/09 (2006.01) F16L 37/00 (2006.01) F16L 37/24 (2006.01) F16L 37/54 (2006.01)**

[25] EN

[54] **PIPE COUPLING**

[54] **RACCORD DE TUYAU**

[72] LAKE, JOHN W., US

[71] WESTERN OILFIELDS, US

[85] 2021-07-13

[86] 2020-01-14 (PCT/US2020/013479)

[87] (WO2020/150215)

[30] US (62/792,651) 2019-01-15

[30] US (16/667,112) 2019-10-29

[21] **3,126,696**
[13] A1

[51] **Int.Cl. A61F 2/30 (2006.01) A61F 2/00 (2006.01) A61F 2/08 (2006.01) A61F 2/46 (2006.01) A61L 27/44 (2006.01) A61L 27/56 (2006.01)**

[25] EN

[54] **IMPLANT SYSTEMS FOR REPAIR OF A HUMERAL HEAD**

[54] **SYSTEMES D'IMPLANT SERVANT A LA REPARATION DE TETE HUMERALE**

[72] SCHWARTZ, HERBERT E., US

[72] MROCZKOWSKI, MATTHEW L., US

[71] BIOPOLY, LLC, US

[85] 2021-07-13

[86] 2020-01-14 (PCT/US2020/013482)

[87] (WO2020/150216)

[30] US (62/792,594) 2019-01-15

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[21] **3,126,697**
[13] A1

[51] **Int.Cl. C10G 9/24 (2006.01)**
[25] EN
[54] **USE OF RENEWABLE ENERGY IN OLEFIN SYNTHESIS**
[54] **UTILISATION D'ENERGIE RENOUEVELABLE DANS LA SYNTHESE D'OLEFINES**
[72] WARD, ANDREW MARK, GB
[72] STEVENSON, SCOTT, US
[72] OPRINS, ARNO, NL
[72] ZHAO, ZHUN, US
[72] ABBOTT, TIM, GB
[72] LAWSON, KENNETH FRANCIS, GB
[72] SCHROER, JOSEPH WILLIAM, US
[72] HUCKMAN, MICHAEL EDWARD, US
[71] SABIC GLOBAL TECHNOLOGIES, B.V., NL
[85] 2021-07-13
[86] 2020-01-14 (PCT/US2020/013521)
[87] (WO2020/150244)
[30] US (62/792,612) 2019-01-15
[30] US (62/792,615) 2019-01-15
[30] US (62/792,617) 2019-01-15
[30] US (62/792,619) 2019-01-15
[30] US (62/792,622) 2019-01-15
[30] US (62/792,627) 2019-01-15
[30] US (62/792,631) 2019-01-15
[30] US (62/792,632) 2019-01-15
[30] US (62/792,633) 2019-01-15
[30] US (62/792,634) 2019-01-15
[30] US (62/792,635) 2019-01-15
[30] US (62/792,636) 2019-01-15
[30] US (62/792,637) 2019-01-15

[21] **3,126,698**
[13] A1

[51] **Int.Cl. A61F 2/28 (2006.01)**
[25] EN
[54] **COMPLIANT BIOLOGICAL SCAFFOLD**
[54] **ECHAFAUDAGE BIOLOGIQUE CONFORME**
[72] SCHULTZ, BRENT, US
[71] SCHULTZ, BRENT, US
[85] 2021-07-13
[86] 2020-01-15 (PCT/US2020/013729)
[87] (WO2020/150382)
[30] US (62/792,867) 2019-01-15

[21] **3,126,699**
[13] A1

[51] **Int.Cl. A61K 35/12 (2015.01) C12N 15/113 (2010.01) A61K 35/14 (2015.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C12N 9/22 (2006.01)**
[25] EN
[54] **MODIFIED IMMUNE CELLS HAVING ENHANCED ANTI-NEOPLASIA ACTIVITY AND IMMUNOSUPPRESSION RESISTANCE**
[54] **CELLULES IMMUNITAIRES MODIFIEES AYANT UNE ACTIVITE ANTI-NEOPLASIQUE ET UNE RESISTANCE A L'IMMUNOSUPPRESSION AMELIOREES**
[72] GEHRKE, JASON MICHAEL, US
[72] EDWARDS, AARON D., US
[72] MURRAY, RYAN, US
[71] BEAM THERAPEUTICS INC., US
[85] 2021-07-14
[86] 2020-01-16 (PCT/US2020/013964)
[87] (WO2020/150534)
[30] US (62/793,277) 2019-01-16
[30] US (62/839,870) 2019-04-29

[21] **3,126,700**
[13] A1

[51] **Int.Cl. G16H 20/17 (2018.01)**
[25] EN
[54] **MEDICATION TRACKING SYSTEM**
[54] **SYSTEME DE SUIVI DE MEDICAMENT**
[72] GUERRA, JESSE J., US
[72] CHINNAIAH, PRABHU, US
[72] WU, RICHARD STOR, US
[71] CAREFUSION 303, INC., US
[85] 2021-07-13
[86] 2020-01-17 (PCT/US2020/014073)
[87] (WO2020/150596)
[30] US (62/794,306) 2019-01-18

[21] **3,126,701**
[13] A1

[51] **Int.Cl. B29C 45/14 (2006.01) B29C 39/10 (2006.01) B29C 43/18 (2006.01) B29C 45/16 (2006.01) B29C 70/72 (2006.01) B60G 11/12 (2006.01) F16F 1/18 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING A LEAF SPRING AND INSERT FOR LEAF SPRING**
[54] **PROCEDE DE FABRICATION D'UN RESSORT A LAMES ET D'UN INSERT POUR RESSORT A LAMES**
[72] PRIKKEL, JOHN, US
[71] HENDRICKSON USA, L.L.C., US
[85] 2021-07-13
[86] 2020-01-17 (PCT/US2020/014150)
[87] (WO2020/150640)
[30] US (62/793,432) 2019-01-17

[21] **3,126,702**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/395 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS AS ADENOSINE ANTAGONISTS**
[54] **COMPOSES HETEROCYCLIQUES EN TANT QU'ANTAGONISTES DE L'ADENOSINE**
[72] PHAM, SON MINH, US
[72] KANKANALA, JAYAKANTH, US
[72] JADHAVAR, PRADEEP S., IN
[72] MULIK, BABAN MOHAN, IN
[72] KHAN, FARHA, IN
[72] RAMACHANDRAN, SREEKANTH A., IN
[71] NUVATION BIO INC., US
[85] 2021-07-13
[86] 2020-01-17 (PCT/US2020/014206)
[87] (WO2020/150674)
[30] US (62/794,537) 2019-01-18
[30] US (62/796,046) 2019-01-23

Demandes PCT entrant en phase nationale

[21] **3,126,703**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4965 (2006.01) A61K 31/4985 (2006.01) C07D 241/10 (2006.01) C07D 401/12 (2006.01) C07D 519/00 (2006.01)**

[25] EN

[54] **COMPOUNDS AND USES THEREOF**

[54] **COMPOSES ET LEURS UTILISATIONS**

[72] PHAM, SON MINH, US

[72] KANKANALA, JAYAKANTH, US

[72] JADHAVAR, PRADEEP S., IN

[72] MULIK, BABAN MOHAN, IN

[72] KHAN, FARHA, IN

[72] RAMACHANDRAN, SREEKANTH A., IN

[71] NUVATION BIO INC., US

[85] 2021-07-13

[86] 2020-01-17 (PCT/US2020/014207)

[87] (WO2020/150675)

[30] US (62/794,525) 2019-01-18

[21] **3,126,704**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/395 (2006.01) A61K 31/4965 (2006.01) A61K 31/497 (2006.01) A61K 31/498 (2006.01) A61K 31/5025 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) C07D 241/10 (2006.01) C07D 401/12 (2006.01) C07D 405/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **HETEROCYCLIC COMPOUNDS AS ADENOSINE ANTAGONISTS**

[54] **COMPOSES HETEROCYCLIQUES EN TANT QU'ANTAGONISTES DE L'ADENOSINE**

[72] PHAM, SON MINH, US

[72] KANKANALA, JAYAKANTH, US

[72] JADHAVAR, PRADEEP S., IN

[72] MULIK, BABAN MOHAN, IN

[72] KHAN, FARHA, IN

[72] RAMACHANDRAN, SREEKANTH A., IN

[71] NUVATION BIO INC., US

[85] 2021-07-13

[86] 2020-01-17 (PCT/US2020/014209)

[87] (WO2020/150677)

[30] US (62/794,539) 2019-01-18

[30] US (62/796,080) 2019-01-23

[21] **3,126,705**
[13] A1

[51] **Int.Cl. C07F 9/28 (2006.01) C07F 9/02 (2006.01) C07K 1/06 (2006.01)**

[25] EN

[54] **SYNTHESIS STRATEGY FOR GAP PROTECTING GROUP**

[54] **STRATEGIE DE SYNTHESE POUR GROUPE DE PROTECTION GAP**

[72] SEIFERT, COLE, US

[71] GAP PEPTIDES LLC, US

[85] 2021-07-13

[86] 2020-01-26 (PCT/US2020/015132)

[87] (WO2020/159837)

[21] **3,126,706**
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/1473 (2006.01) A61B 5/1486 (2006.01)**

[25] EN

[54] **ANALYTE SENSORS AND SENSING METHODS FOR DUAL DETECTION OF GLUCOSE AND ETHANOL**

[54] **CAPTEURS D'ANALYTE ET PROCEDES DE DETECTION POUR DOUBLE DETECTION DE GLUCOSE ET D'ETHANOL**

[72] OUYANG, TIANMEI, US

[72] FELDMAN, BENJAMIN J., US

[72] CHO, HYUN, US

[72] TRAN, LAM N., US

[72] OJA, STEPHEN, US

[72] SLOAN, MARK K., US

[72] KUMAR, ASHWIN, US

[72] KIAIE, NAMVAR, US

[72] LOVE, MICHAEL R., US

[71] ABBOTT DIABETES CARE INC., US

[85] 2021-07-13

[86] 2020-01-28 (PCT/US2020/015400)

[87] (WO2020/159981)

[30] US (62/797,566) 2019-01-28

[30] US (62/884,841) 2019-08-09

[21] **3,126,707**
[13] A1

[51] **Int.Cl. A61K 31/713 (2006.01) A61K 38/17 (2006.01) A61P 35/00 (2006.01) C07H 21/02 (2006.01) C12N 1/19 (2006.01) C12N 15/00 (2006.01)**

[25] EN

[54] **MULTISPECIFIC BINDING PROTEINS**

[54] **PROTEINES DE LIAISON MULTISPECIFIQUES**

[72] JOOSS, KARIN, US

[72] RAINEY, GODFREY JONAH ANDERSON, US

[72] BLAIR, WADE, US

[72] BUSBY, MICHELE ANNE, US

[72] GROTENBREG, GIJSBERT MAMIX, US

[72] YELENSKY, ROMAN, US

[72] HWANG, SHAN LIU, US

[72] PRAKASH, GAYATRI, US

[71] GRITSTONE BIO, INC., US

[85] 2021-07-13

[86] 2020-01-29 (PCT/US2020/015736)

[87] (WO2020/160189)

[30] US (62/798,450) 2019-01-29

[30] US (62/807,702) 2019-02-19

[30] US (62/869,992) 2019-07-02

[21] **3,126,708**
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01) H04N 21/231 (2011.01) H04L 29/06 (2006.01)**

[25] EN

[54] **EFFICIENT AND FLEXIBLE LOAD-BALANCING FOR CLUSTERS OF CACHES UNDER LATENCY CONSTRAINT**

[54] **EQUILIBRAGE DE CHARGE EFFICACE ET FLEXIBLE POUR GROUPES DE CACHES AVEC CONTRAINTE DE LATENCE**

[72] ENGUEHARD, MARCEL PAUL SOSTHENE, FR

[72] DESMOUCEAUX, YOANN, FR

[72] PFISTER, PIERRE, FR

[72] TOWNSLEY, WILLIAM MARK, FR

[72] VYNCKE, ERIC, BE

[71] CISCO TECHNOLOGY, INC., US

[85] 2021-07-13

[86] 2020-01-28 (PCT/US2020/015452)

[87] (WO2020/160017)

[30] US (16/261,462) 2019-01-29

PCT Applications Entering the National Phase

[21] **3,126,709**
[13] A1

[51] **Int.Cl. A61M 39/10 (2006.01) A61M 39/20 (2006.01) A61M 39/16 (2006.01)**
[25] EN
[54] **UNIVERSAL CAP FOR MALE AND FEMALE CONNECTORS**
[54] **CAPUCHON UNIVERSEL POUR RACCORDS MALE ET FEMELLE**
[72] RYAN, KEVIN M., US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2021-07-13
[86] 2020-01-29 (PCT/US2020/015535)
[87] (WO2020/160064)
[30] US (62/798,624) 2019-01-30
[30] US (16/774,853) 2020-01-28

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[51] **Int.Cl. G01N 33/68 (2006.01) C07K 1/00 (2006.01) G01N 21/65 (2006.01)**
[25] EN
[54] **METHOD OF CHARACTERIZATION OF VISIBLE AND/OR SUB-VISIBLE PARTICLES IN BIOLOGICS**
[54] **PROCEDE DE CARACTERISATION DE PARTICULES VISIBLES ET/OU SUBVISIBLES DANS DES PRODUITS BIOLOGIQUES**
[72] XU, XIAOBIN, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2021-07-13
[86] 2020-01-29 (PCT/US2020/015699)
[87] (WO2020/160161)
[30] US (62/798,750) 2019-01-30

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[51] **Int.Cl. B62D 55/088 (2006.01) B62D 55/21 (2006.01) F16J 15/34 (2006.01)**
[25] EN
[54] **SEALING SYSTEM FOR A TRACK**
[54] **SYSTEME D'ETANCHEITE POUR UNE CHENILLE**
[72] WEISBRUCH, ERIC BERNARD, US
[71] CATERPILLAR INC., US
[85] 2021-07-13
[86] 2020-01-21 (PCT/US2020/014315)
[87] (WO2020/154239)
[30] US (16/254,769) 2019-01-23

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[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **NATIVE MICROFLUIDIC CE-MS ANALYSIS OF ANTIBODY CHARGE HETEROGENEITY**
[54] **ANALYSE CE-MS MICROFLUIDIQUE NATIVE D'HETEROGENEITE DE CHARGE D'ANTICORPS**
[72] WANG, HONGXIA, US
[72] QIU, HAIBO, US
[72] LI, NING, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2021-07-13
[86] 2020-01-30 (PCT/US2020/015875)
[87] (WO2020/160266)
[30] US (62/799,331) 2019-01-31
[30] US (62/851,365) 2019-05-22

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[13] A1

[51] **Int.Cl. B01D 46/00 (2006.01) B01D 46/02 (2006.01) B01D 46/24 (2006.01) B01D 46/52 (2006.01)**
[25] EN
[54] **FILTER SEAL ASSEMBLY AND SYSTEM**
[54] **ENSEMBLE ET SYSTEME D'ETANCHEITE DE FILTRE**
[72] JOHNSON, STEVEN A., US
[72] GRAHAM, STEPHAN A., US
[71] DONALDSON COMPANY, INC., US
[85] 2021-07-13
[86] 2020-02-07 (PCT/US2020/017184)
[87] (WO2020/163697)
[30] US (62/803,097) 2019-02-08

[21] **3,126,714**
[13] A1

[51] **Int.Cl. E04F 15/10 (2006.01) B32B 3/06 (2006.01) B32B 7/10 (2006.01) B32B 18/00 (2006.01) E04F 15/04 (2006.01) E04F 15/08 (2006.01) E04F 21/22 (2006.01)**
[25] EN
[54] **A FLOOR ELEMENT FOR FORMING A FLOOR COVERING, A FLOOR COVERING, AND A METHOD FOR MANUFACTURING A FLOOR ELEMENT**
[54] **ELEMENT DE PLANCHER POUR LA FORMATION D'UN REVETEMENT DE SOL, REVETEMENT DE SOL, ET PROCEDE DE FABRICATION D'UN ELEMENT DE PLANCHER**
[72] CASELLI, CLAUDIO, US
[72] PATKI, RAHUL, US
[72] DE RICK, JAN EDDY, BE
[71] DAL-TILE CORPORATION, US
[85] 2021-07-13
[86] 2020-02-11 (PCT/US2020/017662)
[87] (WO2020/172003)
[30] US (16/278,560) 2019-02-18

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[13] A1

[51] **Int.Cl. C04B 28/00 (2006.01) C04B 40/06 (2006.01)**
[25] EN
[54] **SELF-CONSOLIDATING GEOPOLYMER COMPOSITIONS AND METHODS FOR MAKING SAME**
[54] **COMPOSITIONS DE GEOPOLYMERES A AUTOCONSOLIDATION ET PROCEDES POUR LEUR PREPARATION**
[72] DUBEY, ASHISH, US
[72] CHITHIRAPUTHIRAN, SUNDARARAMAN, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2021-07-13
[86] 2020-01-23 (PCT/US2020/014693)
[87] (WO2020/154451)
[30] US (62/795,874) 2019-01-23
[30] US (16/445,940) 2019-06-19

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[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **VIDEO LAB BOOK ENVIRONMENT**
[54] **ENVIRONNEMENT DE LIVRE DE LABORATOIRE VIDEO**
[72] MEDEIROS, RICHARD, P., US
[72] NAVANI, DIPESH, MUKESH, US
[72] CHERNY, JUSTIN, J., US
[72] PRITSKER, MOSHE, US
[71] MY JOVE CORPORATION, US
[85] 2021-07-13
[86] 2020-02-11 (PCT/US2020/017683)
[87] (WO2020/167780)
[30] US (16/272,657) 2019-02-11

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[51] **Int.Cl. B01L 3/00 (2006.01) A61M 5/165 (2006.01) B01D 61/18 (2006.01) G01N 1/40 (2006.01) C12M 1/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO SELECTIVELY EXTRACT CONSTITUENTS FROM BIOLOGICAL SAMPLES**
[54] **PROCEDES ET APPAREIL POUR EXTRAIRE SELECTIVEMENT DES CONSTITUANTS D'ECHANTILLONS BIOLOGIQUES**
[72] XU, QIHUA, US
[72] WEIDEMAIER, KRISTIN, US
[72] SALOMON, JOHN E., US
[72] LASTOVICH, ALEXANDER G., US
[72] FALLOWS, ERIC A., US
[72] CONNELL, SEAN, US
[72] HERR, JOSHUA, US
[72] WOLFGANG, MEGHAN, US
[72] BRASCH, MICHAEL A., US
[72] MOORE, RICHARD L., US
[72] SEBBA, DAVID S., US
[72] CLAVIJO, CRISTIAN, US
[72] NG, SHIRLEY, US
[72] ABBOT, RICHARD, US
[72] PAPP, ALEXANDER ADAM, US
[72] FU, HENRY LI-WEI, US
[72] AUSTIN, CAITLIN MARIE, US
[72] DOWLING, SEAN PATRICK, US
[72] JOYCE, OWEN LEWIS, US
[72] KIPLINGER, MICHAEL L., US
[72] CARPENTER, WILLIAM KEVIN, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2021-07-13
[86] 2020-01-23 (PCT/US2020/014758)
[87] (WO2020/154484)
[30] US (62/796,757) 2019-01-25
[30] US (62/906,822) 2019-09-27

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[13] A1

[51] **Int.Cl. A61K 31/202 (2006.01) A61K 31/232 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **METHODS OF REDUCING THE RISK OF A CARDIOVASCULAR EVENT IN A STATIN-TREATED SUBJECT BY INCREASING SERUM AND PLASMA EPA AND DPA LEVELS**
[54] **PROCEDES DE REDUCTION DU RISQUE D'UN EVENEMENT CARDIOVASCULAIRE CHEZ UN SUJET TRAITE PAR STATINE EN AUGMENTANT LES TAUX D'EPA ET DE DPA DANS LE SERUM ET LE PLASMA**
[72] SONI, PARESH, US
[72] MANKU, MEHAR, GB
[71] AMARIN PHARMACEUTICALS IRELAND LIMITED, IE
[85] 2021-07-13
[86] 2020-02-14 (PCT/US2020/018381)
[87] (WO2020/168251)
[30] US (62/806,439) 2019-02-15

[21] **3,126,719**
[13] A1

[51] **Int.Cl. G01N 30/88 (2006.01) G01N 30/72 (2006.01) G01N 30/74 (2006.01)**
[25] EN
[54] **QUANTITATION AND IDENTIFICATION OF DIMERS IN CO-FORMULATIONS**
[54] **QUANTIFICATION ET IDENTIFICATION DE DIMERES DANS DES CO-FORMULATIONS**
[72] YAN, YUETIAN, US
[72] WANG, SHUNHAI, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2021-07-13
[86] 2020-01-23 (PCT/US2020/014825)
[87] (WO2020/154525)
[30] US (62/796,794) 2019-01-25
[30] US (62/852,591) 2019-05-24

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[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **UNIVERSAL HEART VALVE DEVICE**
[54] **DISPOSITIF DE VALVULE CARDIAQUE UNIVERSELLE**
[72] LASCHINGER, JOHN, US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2021-07-13
[86] 2020-02-11 (PCT/US2020/017744)
[87] (WO2020/167827)
[30] US (16/272,076) 2019-02-11

[21] **3,126,721**
[13] A1

[51] **Int.Cl. C07D 215/22 (2006.01) A61K 31/47 (2006.01) A61K 31/4709 (2006.01) C07D 401/12 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR THE TREATMENT OF KINASE-DEPENDENT DISORDERS**
[54] **COMPOSES POUR LE TRAITEMENT DE TROUBLES DEPENDANT DE LA KINASE**
[72] BANNEN, LYNNE CANNE, US
[72] JIANG, FAMING, US
[72] TSO, KIN, US
[72] XU, WEI, US
[71] EXELIXIS, INC., US
[85] 2021-07-13
[86] 2020-01-24 (PCT/US2020/014979)
[87] (WO2020/154610)
[30] US (62/797,130) 2019-01-25
[30] US (62/878,173) 2019-07-24

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[13] A1

[51] **Int.Cl. H04L 12/715 (2013.01) H04L 12/717 (2013.01) H04L 12/803 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ON-DEMAND FLOW-BASED POLICY ENFORCEMENT IN MULTI-CLOUD ENVIRONMENTS**
[54] **SYSTEMES ET PROCEDES D'APPLICATION DE POLITIQUE BASEE SUR UN FLUX A LA DEMANDE DANS DES ENVIRONNEMENTS A NUAGES MULTIPLES**
[72] JANAKIRAMAN, RAJAGOPALAN, US
[72] DESAI, RONAK K., US
[72] GANAPATHY, SIVAKUMAR, US
[72] ASGHAR, MOHAMMED JAVED, US
[72] SULEMAN, AZEEM, US
[72] VALJIBHAI, PATEL AMITKUMAR, US
[71] CISCO TECHNOLOGY, INC., US
[85] 2021-07-13
[86] 2020-02-20 (PCT/US2020/019005)
[87] (WO2020/176325)
[30] US (16/289,647) 2019-02-28

[21] **3,126,723**
[13] A1

[51] **Int.Cl. A63B 65/12 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROPELLING GOLF BALLS AND OTHER OBJECTS USING A STEPPED DRIVER**
[54] **PROCEDE ET APPAREIL POUR PROPULSER DES BALLE DE GOLF ET D'AUTRES OBJETS A L'AIDE D'UN DRIVER ETAGE**
[72] ALLEN, DANA R., US
[72] KLEMENOK, AARON J., US
[71] ALLEN, DANA R., US
[85] 2021-07-13
[86] 2020-02-21 (PCT/US2020/019377)
[87] (WO2020/168357)

[21] **3,126,724**
[13] A1

[51] **Int.Cl. A47L 11/08 (2006.01) A47L 11/02 (2006.01) A47L 11/24 (2006.01) A47L 11/29 (2006.01)**
[25] EN
[54] **COMMUNICATIVE LIGHTING SYSTEM FOR A FLOOR CLEANING DEVICE**
[54] **SYSTEME D'ECLAIRAGE DE COMMUNICATION POUR UN DISPOSITIF DE NETTOYAGE DE SOL**
[72] BEARUP, ADAM, US
[72] LAMAR, JUSTIN, US
[72] WILLER, NICOLE, US
[71] KARCHER NORTH AMERICA, INC., US
[85] 2021-07-13
[86] 2020-02-25 (PCT/US2020/019731)
[87] (WO2020/176529)
[30] US (62/810,674) 2019-02-26

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[13] A1

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/439 (2006.01) A61K 31/445 (2006.01) A61K 31/55 (2006.01) A61P 25/32 (2006.01) A61P 25/34 (2006.01)**
[25] EN
[54] **ORAL PHARMACEUTICAL COMPOSITION WITH A PLANT ALKALOID FOR TREATMENT OF DEPENDENCIES**
[54] **COMPOSITION PHARMACEUTIQUE ORALE CONTENANT UN ALCALOIDE VEGETAL POUR LE TRAITEMENT DE DEPENDANCES**
[72] ALEKSIEV, ANGEL ALEKSIEV, BG
[72] DASKALOV, VESELIN EVGENIEV, BG
[71] SOPHARMA AD, BG
[85] 2021-07-14
[86] 2019-11-28 (PCT/BG2019/000027)
[87] (WO2020/206511)
[30] BG (112910) 2019-04-12

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[51] **Int.Cl. C07K 16/24 (2006.01) A61P 1/16 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **PSMP ANTAGONISTS FOR USE IN TREATMENT OF FIBROTIC DISEASE OF THE LUNG, KIDNEY OR LIVER**
[54] **ANTAGONISTES DE PSMP DESTINES A ETRE UTILISES DANS LE TRAITEMENT D'UNE MALADIE FIBROTIQUE DU POUMON, DU REIN OU DU FOIE**
[72] WANG, YING, CN
[72] SHE, SHAOPING, CN
[72] PEI, XIAOLEI, CN
[72] LI, QINGQING, CN
[72] LIU, ZHONGTIAN, CN
[72] SONG, ZHANMING, CN
[72] DI, CHUNHUI, US
[72] LIU, CHRISTOPHER, US
[71] MAPLE BIOTECH LLC, US
[85] 2021-07-13
[86] 2020-01-26 (PCT/US2020/015131)
[87] (WO2020/159836)
[30] US (62/797,440) 2019-01-28
[30] US (62/911,511) 2019-10-07
[30] US (62/913,937) 2019-10-11

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[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **METHODS FOR DETECTING AND QUANTIFYING MEMBRANE-ASSOCIATED PROTEINS ON EXTRACELLULAR VESICLES**
[54] **METHODES DE DETECTION ET DE QUANTIFICATION DE PROTEINES ASSOCIEES A UNE MEMBRANE SUR VESICULE EXTRACELLULAIRE**
[72] GUPTA, VINITA, US
[72] BRADY, ANN THERESE, US
[72] KOERBER, JAMES THOMAS, US
[72] WANG, XIANGDAN, US
[72] PHAN, MINH MICHAEL NHU, US
[72] SUN, YONGLIAN, US
[71] GENENTECH, INC., US
[85] 2021-07-12
[86] 2020-03-06 (PCT/US2020/021317)
[87] (WO2020/185535)
[30] US (62/815,863) 2019-03-08

[21] **3,126,729**
[13] A1

[51] **Int.Cl. B01J 19/08 (2006.01) B01J 27/00 (2006.01) B01J 35/00 (2006.01)**
[25] EN
[54] **METHODS AND PRODUCTS FOR CONVERTING CARBON DIOXIDE TO ONE OR MORE SMALL ORGANIC COMPOUNDS**
[54] **PROCEDES ET PRODUITS PERMETTANT DE CONVERTIR DU DIOXYDE DE CARBONE EN UN OU PLUSIEURS PETITS COMPOSES ORGANIQUES**
[72] JONES, BRYN, AU
[72] KELLY, JULIAN F., AU
[71] PHOSENERGY LTD, AU
[85] 2021-07-14
[86] 2019-12-23 (PCT/AU2019/051431)
[87] (WO2020/124169)
[30] AU (2018904898) 2018-12-21

[21] **3,126,730**
[13] A1

[51] **Int.Cl. A43B 5/16 (2006.01)**
[25] EN
[54] **SKATE BOOT WITH TENDON GUARD**
[54] **PATIN A PROTEGE-TENDON**
[72] CHAMPAGNE, ETIENNE, CA
[72] KIEU, ALAIN, CA
[72] FAUCHER, ALEXIS, CA
[72] MAHEUX, SAMUEL, CA
[71] SPORT MASKA INC., CA
[85] 2021-07-14
[86] 2020-01-17 (PCT/CA2020/050050)
[87] (WO2020/146951)
[30] US (62/794,241) 2019-01-18

[21] **3,126,731**
[13] A1

[51] **Int.Cl. B65D 88/66 (2006.01) A01F 25/16 (2006.01)**
[25] EN
[54] **SILO GUARD**
[54] **PROTEGE-SILO**
[72] NICHOLSON, ADAM JAMES, AU
[71] ADAMS SILO SAFE & WELDING PTY LTD, AU
[85] 2021-07-14
[86] 2020-01-15 (PCT/AU2020/050019)
[87] (WO2020/146924)
[30] AU (2019100045) 2019-01-15

[21] **3,126,732**
[13] A1

[51] **Int.Cl. E21B 47/024 (2006.01) G01C 21/04 (2006.01) G01C 21/16 (2006.01) G01C 25/00 (2006.01)**
[25] EN
[54] **AN INERTIAL MEASUREMENT UNIT AND METHOD OF OPERATION**
[54] **UNITE DE MESURE INERTIELLE ET SON PROCEDE DE FONCTIONNEMENT**
[72] WALKER, HAYDEN SCOTT THOMAS, AU
[72] BULLOCK, PETER, AU
[72] MIHEL, DAVID, AU
[71] PRECISION ALIGNMENT HOLDINGS PTY LTD, AU
[85] 2021-07-14
[86] 2020-02-11 (PCT/AU2020/050110)
[87] (WO2020/163905)
[30] AU (2019900432) 2019-02-11

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[13] A1

[51] **Int.Cl. G02B 6/36 (2006.01) G02B 6/44 (2006.01)**
[25] EN
[54] **LINEAR MEMBERS HAVING ANNULAR AND AXIAL GROOVES**
[54] **ELEMENTS LINEAIRES AYANT DES RAINURES ANNULAIRES ET AXIALES**
[72] CLAVER, NICHOLAS V., US
[72] DAOUST, DANIEL, US
[72] STANKOVSKI, STEVE, US
[71] PPC BROADBAND, INC., US
[85] 2021-07-09
[86] 2020-01-10 (PCT/US2020/013162)
[87] (WO2020/146782)
[30] US (62/790,499) 2019-01-10

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[13] A1

[51] **Int.Cl. G01D 5/16 (2006.01) G01M 3/16 (2006.01) G01M 3/18 (2006.01) G01N 17/04 (2006.01) H01P 3/12 (2006.01) H04B 13/00 (2006.01)**

[25] EN

[54] **RADIO FREQUENCY WIRELESS SENSING DEVICE**

[54] **DISPOSITIF DE DETECTION SANS FIL PAR RADIOFREQUENCE**

[72] HE, YOU LIANG, CA

[72] PODLESNY, MACIEJ, CA

[71] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES CANADA, CA

[85] 2021-07-14

[86] 2020-02-12 (PCT/CA2020/050182)

[87] (WO2020/163951)

[30] US (62/804,859) 2019-02-13

[21] **3,126,735**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) A61K 35/17 (2015.01) C07K 14/54 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR TREATING CANCER**

[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER**

[72] CIRELLI, MICHAEL, US

[72] CUTSHALL, NEIL S., US

[72] DEMOPULOS, GREGORY A., US

[72] GAITANARIS, GEORGE A., US

[72] GAVIN, MARC A., US

[72] GRAGEROV, ALEXANDER, US

[72] LITTLE, THOMAS L., US

[72] ONRUST, RENE, US

[71] OMEROS CORPORATION, US

[85] 2021-07-09

[86] 2020-01-10 (PCT/US2020/013183)

[87] (WO2020/146795)

[30] US (62/791,591) 2019-01-11

[30] US (62/886,235) 2019-08-13

[30] US (62/936,223) 2019-11-15

[30] US (62/946,631) 2019-12-11

[21] **3,126,736**
[13] A1

[51] **Int.Cl. B01J 31/24 (2006.01) C07C 2/34 (2006.01) C07C 2/36 (2006.01) C07C 11/02 (2006.01) C07C 11/107 (2006.01)**

[25] EN

[54] **HALOGEN-CONTAINING COMPOUND AND USE THEREOF, CATALYST COMPOSITION, AND ETHYLENE OLIGOMERIZATION, TRIMERIZATION AND TETRAMERIZATION METHODS**

[54] **COMPOSE HALOGENE ET SON UTILISATION, COMPOSITION DE CATALYSEUR, ET PROCEDES D'OLIGOMERISATION, DE TRIMERISATION ET DE TETRAMERISATION DE L'ETHYLENE**

[72] WU, HONGFEI, CN

[72] ZHENG, MINGFANG, CN

[72] HU, SONGSHUANG, CN

[72] LI, TONGLIN, CN

[72] LIU, JUN, CN

[72] XU, KE, CN

[72] WANG, XIAOQING, CN

[72] PAN, FENG, CN

[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN

[71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN

[85] 2021-07-14

[86] 2019-10-30 (PCT/CN2019/114395)

[87] (WO2020/147373)

[30] CN (201910037040.6) 2019-01-15

[30] CN (201910036065.4) 2019-01-15

[30] CN (201910036068.8) 2019-01-15

[21] **3,126,738**
[13] A1

[51] **Int.Cl. C07D 413/14 (2006.01) C07D 413/04 (2006.01) C07D 487/04 (2006.01) C07D 495/04 (2006.01)**

[25] EN

[54] **PREPARATION METHOD FOR MORPHOLINQUINAZOLINE COMPOUND AND MIDBODY THEREOF**

[54] **PROCEDE DE PREPARATION DE COMPOSE MORPHOLINQUINAZOLINE ET DE CORPS MEDIAN ASSOCIE**

[72] XU, ZUSHENG, CN

[72] LI, JIZHI, CN

[72] WU, JIANFENG, CN

[72] LOU, YANGTONG, CN

[71] SHANGHAI YINGLI PHARMACEUTICAL CO., LTD, CN

[85] 2021-07-14

[86] 2019-12-24 (PCT/CN2019/127763)

[87] (WO2020/147525)

[30] CN (201910040918.1) 2019-01-16

[21] **3,126,739**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01)**

[25] EN

[54] **OPTIMIZED NETWORK SELECTION**

[54] **SELECTION OPTIMISEE DE RESEAUX**

[72] CHU, XIAOLU, CN

[72] LI, DAI, CN

[71] CITRIX SYSTEMS, INC., US

[85] 2021-07-14

[86] 2019-01-24 (PCT/CN2019/073032)

[87] (WO2020/150978)

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[21] **3,126,740**
[13] A1

[51] **Int.Cl. H04W 68/00 (2009.01)**
[25] EN
[54] **NOTIFICATION INFORMATION PRESENTATION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF PERMETTANT D’AFFICHER DES INFORMATIONS DE NOTIFICATION**
[72] LEI, XIANTIAO, CN
[72] LIU, TAO, CN
[72] LI, HONG, CN
[72] SUN, BING, CN
[72] SHU, LIN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-07-14
[86] 2020-01-16 (PCT/CN2020/072449)
[87] (WO2020/147783)
[30] CN (201910108916.1) 2019-01-18

[21] **3,126,741**
[13] A1

[51] **Int.Cl. C07K 14/54 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MUTATED INTERLEUKIN-34 (IL-34) POLYPEPTIDES AND USES THEREOF IN THERAPY**
[54] **POLYPEPTIDES D’INTERLEUKINE-34 (IL-34) MUTES ET LEURS UTILISATIONS EN THERAPIE**
[72] GUILLONNEAU, CAROLE, FR
[72] ANEGON, IGNACIO, FR
[72] MORTIER, ERWAN, FR
[72] QUEMENER, AGNES, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE DE NANTES, FR
[85] 2021-07-14
[86] 2020-01-15 (PCT/EP2020/050920)
[87] (WO2020/148338)
[30] EP (19305046.5) 2019-01-15

[21] **3,126,742**
[13] A1

[51] **Int.Cl. C07D 307/20 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARATION OF 1,4-SORBITAN IN AQUEOUS MEDIUM**
[54] **PROCEDE DE PREPARATION DE 1,4-SORBITANE DANS UN MILIEU AQUEUX**
[72] WEI, JIEPING, CN
[72] PARADIES, GESA, CH
[72] WYLER, BENJAMIN, CH
[72] SCHERER, DIETER, CH
[72] YANG, YANLING, CN
[72] ZHANG, XIAOLONG, CN
[72] JIANG, WEICHENG, CN
[72] ZHU, RETA, CN
[71] LONZA GUANGZHOU PHARMACEUTICAL LTD., CN
[71] LONZA LTD, CH
[85] 2021-07-14
[86] 2020-01-16 (PCT/EP2020/051059)
[87] (WO2020/148404)
[30] CN (PCT/CN2019/071900) 2019-01-16
[30] EP (19154950.0) 2019-02-01
[30] US (62/799,821) 2019-02-01
[30] EP (19157025.8) 2019-02-13
[30] EP (19157027.4) 2019-02-13

[21] **3,126,743**
[13] A1

[51] **Int.Cl. E04D 13/147 (2006.01)**
[25] EN
[54] **FLASHING ASSEMBLY FOR A ROOF PENETRATING STRUCTURE AND A METHOD FOR MANUFACTURING A FLASHING ASSEMBLY**
[54] **ENSEMBLE SOLIN DESTINE A UNE STRUCTURE DE PENETRATION DE TOIT ET PROCEDE DE FABRICATION D’UN ENSEMBLE SOLIN**
[72] HENRIKSEN, JENS-ULRIK HOLST, DK
[72] FREDERIKSEN, SOREN, DK
[71] VKR HOLDING A/S, DK
[85] 2021-07-14
[86] 2020-09-25 (PCT/DK2020/050263)
[87] (WO2021/058073)
[30] DK (PA 2019 70589) 2019-09-25

[21] **3,126,744**
[13] A1

[51] **Int.Cl. C12N 5/077 (2010.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MESODERMAL KILLER (MK) CELL**
[54] **CELLULE TUEUSE MESODERMIQUE (MK)**
[72] CHAPMAN, LEE, GB
[72] SULTAN, SABENA, GB
[71] CELL THERAPY LIMITED, GB
[85] 2021-07-14
[86] 2020-01-13 (PCT/GB2020/050060)
[87] (WO2020/148520)
[30] GB (1900554.5) 2019-01-15
[30] GB (1916842.6) 2019-11-19

[21] **3,126,745**
[13] A1

[51] **Int.Cl. B01J 31/12 (2006.01) B01J 27/188 (2006.01) B01J 31/22 (2006.01) C07F 11/00 (2006.01) C08F 4/54 (2006.01) C08F 4/69 (2006.01)**
[25] EN
[54] **HALOGEN-CONTAINING COMPOUND AND USE THEREOF AS CATALYST LIGAND IN ETHYLENE OLIGOMERIZATION**
[54] **COMPOSE CONTENANT DE L’HALOGENE ET SON UTILISATION COMME LIGAND DE CATALYSEUR DANS L’OLIGOMERISATION DE L’ETHYLENE**
[72] WU, HONGFEI, CN
[72] ZHENG, MINGFANG, CN
[72] HU, SONGSHUANG, CN
[72] LI, TONGLIN, CN
[72] LIU, JUN, CN
[72] XU, KE, CN
[72] WANG, XIAOQING, CN
[72] PAN, FENG, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[85] 2021-07-14
[86] 2019-10-30 (PCT/CN2019/114393)
[87] (WO2020/147372)
[30] CN (201910037044.4) 2019-01-15
[30] CN (201910036068.8) 2019-01-15

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[21] **3,126,746**
[13] A1

[51] **Int.Cl. A24B 15/16 (2020.01) A24D 3/17 (2020.01) A24F 40/10 (2020.01) A24F 40/20 (2020.01) A24F 40/30 (2020.01) A24D 3/04 (2020.01) A24D 3/06 (2006.01)**

[25] EN

[54] **TOBACCO CONSTITUENT RELEASING COMPONENTS, METHODS OF MAKING THE COMPONENTS AND ARTICLES COMPRISING THE COMPONENTS**

[54] **ELEMENTS DE LIBERATION DE CONSTITUANTS DU TABAC, PROCEDES DE FABRICATION DES ELEMENTS ET ARTICLES COMPRENANT LES ELEMENTS**

[72] LINK, MATTHIAS, GB

[72] YILMAZ, UGURHAN, GB

[72] FRANKE, DIETMAR, GB

[72] PLUCKHAHN, FRANK, GB

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

[85] 2021-07-14

[86] 2020-01-16 (PCT/GB2020/050085)

[87] (WO2020/148538)

[30] GB (1900627.9) 2019-01-16

[21] **3,126,747**
[13] A1

[51] **Int.Cl. A62B 35/00 (2006.01)**

[25] EN

[54] **COUPLER FOR A FALL PROTECTION DEVICE**

[54] **COUPLEUR POUR DISPOSITIF DE PROTECTION CONTRE LES CHUTES**

[72] AUSTON, OLIVER, GB

[72] STOCKBRIDGE, CHRISTOPHER, GB

[71] CHECKMATE LIFTING & SAFETY LTD, GB

[85] 2021-07-14

[86] 2020-01-21 (PCT/GB2020/050128)

[87] (WO2020/152455)

[30] GB (1900892.9) 2019-01-22

[30] US (62/886,064) 2019-08-13

[21] **3,126,748**
[13] A1

[51] **Int.Cl. G21C 1/32 (2006.01) G21C 3/54 (2006.01) G21C 15/04 (2006.01) G21C 15/28 (2006.01)**

[25] EN

[54] **STRUCTURAL MATERIAL FOR MOLTEN SALT REACTORS**

[54] **MATERIAUX STRUCTURAUX POUR REACTEURS A SELS FONDUS**

[72] SCHONFELDT, TROELS, DK

[72] PEDERSEN, ANDREAS VIGAND, DK

[72] PETTERSEN, EIRIK EIDE, DK

[72] NIELSEN, JIMMY SOLVSTEEN, DK

[72] COOPER, DANIEL JOHN, DK

[72] LOVSHALL-JENSEN, ASK EMIL, DK

[71] SEABORG APS, DK

[85] 2021-07-14

[86] 2020-01-31 (PCT/EP2020/052376)

[87] (WO2020/157247)

[30] EP (19154831.2) 2019-01-31

[21] **3,126,749**
[13] A1

[51] **Int.Cl. C12Q 1/6886 (2018.01)**

[25] EN

[54] **METHOD OF PREDICTING SURVIVAL RATES FOR CANCER PATIENTS**

[54] **METHODE DE PREDICTION DE TAUX DE SURVIE POUR DES PATIENTS ATTEINTS DU CANCER.**

[72] SWANTON, ROBERT CHARLES, GB

[72] BISWAS, DHRUVA, GB

[72] MCGRANAHAN, NICHOLAS, GB

[72] BIRKBAK, NICOLAI JUUL, DK

[71] THE FRANCIS CRICK INSTITUTE LIMITED, GB

[71] UNIVERSITY COLLEGE LONDON, GB

[85] 2021-07-14

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[30] GB (1901439.8) 2019-02-01

[21] **3,126,750**
[13] A1

[51] **Int.Cl. B29C 45/33 (2006.01) B29C 33/38 (2006.01) B29C 45/34 (2006.01) B29C 45/00 (2006.01) B29C 45/26 (2006.01) B29C 45/44 (2006.01)**

[25] EN

[54] **PREFORM MOLD COMPONENT ELEMENT DE MOULE DE PREFORME**

[72] SORGATO, MARCO, IT

[72] LUCCHETTA, GIOVANNI, IT

[72] ORAZI, LEONARDO, IT

[72] MASATO, DAVIDE, US

[72] BESSEGATO, FEDERICO, IT

[72] CAVALET, ANDREA, IT

[72] ZOPPAS, MATTEO, IT

[71] S.I.P.A. SOCIETA'INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A., IT

[85] 2021-07-12

[86] 2020-01-15 (PCT/IB2020/050305)

[87] (WO2020/148673)

[30] IT (102019000000667) 2019-01-16

[21] **3,126,751**
[13] A1

[51] **Int.Cl. C05C 9/00 (2006.01) C05G 3/40 (2020.01) C05G 5/30 (2020.01)**

[25] EN

[54] **THE USE OF AN OIL-BASED COMPOSITION FOR REDUCING AMMONIA VOLATILIZATION IN UREA-BASED FERTILIZER APPLICATION**

[54] **UTILISATION D'UNE COMPOSITION A BASE D'HUILE POUR REDUIRE LA VOLATILISATION DE L'AMMONIAC DANS UNE APPLICATION D'ENGRAIS A BASE D'UREE**

[72] WARD, STUART, GB

[72] BECERRA, ANDRES FELIPE RANGEL, GB

[72] KWAST, ANKE, DE

[72] GAJIC, ANA, DE

[71] YARA UK LIMITED, GB

[85] 2021-07-14

[86] 2020-03-17 (PCT/GB2020/050680)

[87] (WO2020/188268)

[30] GB (1903755.5) 2019-03-19

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[13] A1

[51] **Int.Cl. G01N 33/00 (2006.01) G01N 21/84 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR ANALYZING PLANTS**
[54] **PROCEDE ET DISPOSITIF POUR L'ANALYSE DE PLANTES**
[72] NIEHAUS, BEN, DE
[71] SPEXAI GMBH, DE
[85] 2021-07-14
[86] 2020-02-05 (PCT/EP2020/052840)
[87] (WO2020/161176)
[30] EP (19155791.7) 2019-02-06

[21] **3,126,753**
[13] A1

[51] **Int.Cl. A61D 9/00 (2006.01) A01K 13/00 (2006.01) A61F 5/01 (2006.01)**
[25] EN
[54] **PET HIP BRACE SYSTEM**
[54] **SYSTEME D'ATTELLE DE HANCHE POUR ANIMAL DE COMPAGNIE**
[72] MILLS, RENEE, US
[71] MILLS, RENEE, US
[85] 2021-07-14
[86] 2019-01-15 (PCT/US2019/013583)
[87] (WO2020/149827)

[21] **3,126,754**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01) B41J 2/175 (2006.01)**
[25] EN
[54] **INTEGRATED CIRCUITS INCLUDING CUSTOMIZATION BITS**
[54] **CIRCUITS INTEGRES COMPRENANT DES BITS DE PERSONNALISATION**
[72] LINN, SCOTT A., US
[72] GARDNER, JAMES MICHAEL, US
[72] NESS, ERIK D., US
[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[85] 2021-07-13
[86] 2019-02-06 (PCT/US2019/016905)
[87] (WO2020/162933)

[21] **3,126,755**
[13] A1

[51] **Int.Cl. A61B 5/107 (2006.01) A41H 1/02 (2006.01) G01B 3/10 (2020.01)**
[25] FR
[54] **DISPOSITIF DE MESURE DE LA CIRCONFERENCE D'UN OBJET, EN PARTICULIER D'UN MEMBRE CORPOREL**
[54] **DEVICE FOR MEASURING THE CIRCUMFERENCE OF AN OBJECT, IN PARTICULAR OF A BODY PART**
[72] HARFOUCHE, JOSEPH, BE
[71] JUST A NEW HEALTH, BE
[85] 2021-07-14
[86] 2020-02-06 (PCT/EP2020/053006)
[87] (WO2020/161246)
[30] BE (BE2019/5075) 2019-02-07

[21] **3,126,756**
[13] A1

[51] **Int.Cl. C01B 3/38 (2006.01) C01B 3/50 (2006.01) C10G 2/00 (2006.01) C10G 70/04 (2006.01)**
[25] EN
[54] **METHANOL PRODUCTION PROCESS FROM SYNGAS PRODUCED BY CATALYTIC PARTIAL OXIDATION INTEGRATED WITH CRACKING**
[54] **PROCEDE DE PRODUCTION DE METHANOL A PARTIR D'UN GAZ DE SYNTHESE PRODUIT PAR OXYDATION PARTIELLE CATALYTIQUE INTEGREE AU CRAQUAGE**
[72] CHINTA, SIVADINARAYANA, US
[72] NARAYANASWAMY, RAVICHANDER, IN
[72] PANT, ATUL, IN
[71] ENI S.P.A, IT
[85] 2021-07-13
[86] 2019-12-31 (PCT/US2019/069067)
[87] (WO2020/150005)
[30] US (62/793,606) 2019-01-17

[21] **3,126,757**
[13] A1

[51] **Int.Cl. H04L 12/751 (2013.01) H04L 12/715 (2013.01)**
[25] EN
[54] **SEAMLESS MULTI-CLOUD ROUTING AND POLICY INTERCONNECTIVITY**
[54] **ROUTAGE MULTI-NUAGE SANS COUPURE ET INTERCONNECTIVITE DE POLITIQUE**
[72] JANAKIRAMAN, RAJAGOPALAN, US
[72] GANAPATHY, SIVAKUMAR, US
[72] MARDENTE, GIANLUCA, US
[72] MEO, GIOVANNI, IT
[72] VALJIBHAI, PATEL AMITKUMAR, US
[71] CISCO TECHNOLOGY, INC., US
[85] 2021-07-13
[86] 2020-01-10 (PCT/US2020/013084)
[87] (WO2020/150092)
[30] US (16/252,115) 2019-01-18

[21] **3,126,758**
[13] A1

[51] **Int.Cl. E21B 10/46 (2006.01) E21B 10/50 (2006.01) E21B 10/54 (2006.01) E21B 10/56 (2006.01)**
[25] EN
[54] **INSERT FOR A JOURNAL LEG AND / OR A CONE CUTTER OF A ROTARY DRILL TOOL**
[54] **INSERT POUR UN PIED DE TOURILLON ET/OU UN DISPOSITIF DE COUPE DE CONE D'UN OUTIL DE FORAGE ROTATIF**
[72] ROLDAN SALDES, RAUL, SE
[71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE
[85] 2021-07-14
[86] 2020-02-12 (PCT/EP2020/053522)
[87] (WO2020/165199)
[30] EP (19157436.7) 2019-02-15

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[13] A1

[51] **Int.Cl. C10M 105/04 (2006.01) C10M 111/02 (2006.01)**
[25] EN
[54] **TRACTION FLUIDS**
[54] **FLUIDES DE TRACTION**
[72] CORRIGAN, THOMAS S., US
[72] QURESHI, FARRUKH, US
[72] ADAMS, PAUL E., US
[71] THE LUBRIZOL CORPORATION, US
[85] 2021-07-13
[86] 2020-01-13 (PCT/US2020/013278)
[87] (WO2020/150123)
[30] US (62/793,496) 2019-01-17

[21] **3,126,760**
[13] A1

[51] **Int.Cl. G06T 9/40 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL DATA ENCODING METHOD, THREE-DIMENSIONAL DATA DECODING METHOD, THREE-DIMENSIONAL DATA ENCODING DEVICE, AND THREE-DIMENSIONAL DATA DECODING DEVICE**
[54] **PROCEDE DE CODAGE DE DONNEES EN TROIS DIMENSIONS, PROCEDE DE DECODAGE DE DONNEES EN TROIS DIMENSIONS, DISPOSITIF DE CODAGE DE DONNEES EN TROIS DIMENSIONS ET DISPOSITIF DE DECODAGE DE DONNEES EN TROIS DIMENSIONS**
[72] SUGIO, TOSHIYASU, JP
[72] IGUCHI, NORITAKA, JP
[72] HAN, CHUNG DEAN, SG
[72] WANG, CHI, SG
[72] LASANG, PONGSAK, SG
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2021-07-14
[86] 2020-02-05 (PCT/JP2020/004360)
[87] (WO2020/162495)
[30] US (62/801,289) 2019-02-05
[30] US (62/807,930) 2019-02-20

[21] **3,126,761**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) A01H 1/04 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **GREEN BEAN PLANTS WITH IMPROVED DISEASE RESISTANCE**
[54] **PLANTES DE HARICOT VERT PRESENTANT UNE RESISTANCE AMELIOREE AUX MALADIES**
[72] EVANS, ELLEN L., US
[72] KMIIECIK, KENNETH, US
[72] KRAMER, CHAD, US
[72] OPPELAAR, ARIE, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[85] 2021-07-13
[86] 2020-01-13 (PCT/US2020/013338)
[87] (WO2020/150144)
[30] US (62/792,814) 2019-01-15

[21] **3,126,762**
[13] A1

[51] **Int.Cl. B21D 37/16 (2006.01) B21D 26/033 (2011.01)**
[25] EN
[54] **FORMING SYSTEM**
[54] **SYSTEME DE FORMAGE**
[72] ISHIZUKA, MASAYUKI, JP
[72] NOGIWA, KIMIHIRO, JP
[72] IDE, AKIHIRO, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2021-07-14
[86] 2020-02-12 (PCT/JP2020/005368)
[87] (WO2020/195277)
[30] JP (2019-061368) 2019-03-27

[21] **3,126,763**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR MEASURING HEART RATE**
[54] **SYSTEME DE MESURE DE LA FREQUENCE CARDIAQUE**
[72] KHARE, VIVEK, US
[72] BHATKAR, VIPRALI, US
[72] GORSKI, MARK, US
[72] MIMOTO, STANLEY, US
[72] YADAV, ANUROOP, US
[71] SPORTS DATA LABS, INC., US
[85] 2021-07-13
[86] 2020-01-14 (PCT/US2020/013461)
[87] (WO2020/150203)
[30] US (16/246,923) 2019-01-14

[21] **3,126,764**
[13] A1

[51] **Int.Cl. C02F 1/66 (2006.01) B01F 3/12 (2006.01) B01F 5/00 (2006.01) B65G 53/30 (2006.01) C02F 1/68 (2006.01) F01N 3/08 (2006.01)**
[25] EN
[54] **METHOD FOR THE REMOVAL OF AT LEAST ONE CONTAMINANT FROM AN AQUEOUS LIQUOR OR A GAS**
[54] **PROCEDE D'ELIMINATION D'AU MOINS UN CONTAMINANT D'UNE LIQUEUR AQUEUSE OU D'UN GAZ**
[72] COUDRY, ERIC, FR
[72] BEDEL, SABRINA, FR
[72] DAVOINE, PERRINE, BE
[72] DELPLANCHE, THIERRY, BE
[71] SOLVAY SA, BE
[85] 2021-07-14
[86] 2020-02-20 (PCT/EP2020/054530)
[87] (WO2020/169760)
[30] EP (19158786.4) 2019-02-22

[21] **3,126,765**
[13] A1

[51] **Int.Cl. A01D 46/28 (2006.01) A01D 46/26 (2006.01)**
[25] EN
[54] **HARVESTING DEVICE AND METHOD FOR HARVESTING FRUIT HANGING FROM A PLANT**
[54] **DISPOSITIF DE RECOLTE ET PROCEDE DE RECOLTE DE FRUITS SUSPENDUS A UNE PLANTE**
[72] GEURTS, PETER JOHANNES LODEWIJK, NL
[71] FINE FIELD B.V., NL
[85] 2021-07-14
[86] 2020-01-30 (PCT/NL2020/050053)
[87] (WO2020/159370)
[30] NL (2022481) 2019-01-30

[21] **3,126,769**
[13] A1

[51] **Int.Cl. B62D 13/02 (2006.01) B62D 13/04 (2006.01)**
[25] EN
[54] **HEAVY-DUTY VEHICLE**
[54] **VEHICULE POIDS LOURDS**
[72] HAFELE, HORST, DE
[71] GOLDHOFER AG, DE
[85] 2021-07-14
[86] 2020-03-17 (PCT/EP2020/057312)
[87] (WO2020/200772)
[30] DE (10 2019 204 442.5) 2019-03-29

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[21] **3,126,770**
[13] A1

[51] **Int.Cl. H04L 12/28 (2006.01) H04W 4/00 (2018.01) G06F 9/455 (2018.01)**

[25] EN

[54] **PROVIDING COMMUNICATION SERVICES USING SETS OF I/O DEVICES**

[54] **FOURNITURE DE SERVICES DE COMMUNICATION A L'AIDE D'ENSEMBLES DE DISPOSITIFS D'E/S**

[72] HANNU, HANS, SE
[72] WANSTEDT, STEFAN, SE
[72] ARNGREN, TOMMY, SE
[72] OKVIST, PETER, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2021-07-14
[86] 2019-01-15 (PCT/EP2019/050870)
[87] (WO2020/147924)

[21] **3,126,771**
[13] A1

[51] **Int.Cl. A61C 5/90 (2017.01) A61C 5/82 (2017.01)**

[25] EN

[54] **ANATOMICAL SELF-GRIPPING DENTAL BARRIER DEVICE**

[54] **DISPOSITIF BARRIERE DENTAIRE ANATOMIQUE AUTO-AGRIPPANT**

[72] SANDERS, DANIEL, IL
[71] MAVRIK DENTAL SYSTEMS LTD, IL
[85] 2021-07-14
[86] 2020-04-16 (PCT/EP2020/060781)
[87] (WO2020/259890)

[21] **3,126,772**
[13] A1

[51] **Int.Cl. A61K 31/352 (2006.01) A61K 31/164 (2006.01) A61P 11/00 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATING OBSTRUCTIVE SLEEP APNEA**

[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE L'APNEE OBSTRUCTIVE DU SOMMEIL**

[72] ZULOFF-SHANI, ADI, IL
[72] BRENER, EPHRAIM, IL
[72] SHMULEWITZ, ASCHER, IL
[71] EVERO, IL
[85] 2021-07-14
[86] 2019-01-25 (PCT/IB2019/000073)
[87] (WO2019/145783)
[30] US (62/623,140) 2018-01-29

[21] **3,126,773**
[13] A1

[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/90 (2006.01)**

[25] EN

[54] **TRANSPOSASE WITH ENHANCED INSERTION SITE SELECTION PROPERTIES**

[54] **TRANSPOSASE AYANT DES PROPRIETES DE SELECTION DE SITE D'INSERTION AMELIOREES**

[72] KRUGENER, SVEN, DE
[72] ROSE, THOMAS, DE
[72] SANDIG, VOLKER, DE
[72] WINKLER, KARSTEN, DE
[71] PROBIOGEN AG, DE
[85] 2021-07-14
[86] 2019-02-13 (PCT/EP2019/053571)
[87] (WO2020/164702)

[21] **3,126,774**
[13] A1

[51] **Int.Cl. A01D 46/26 (2006.01) A01D 46/28 (2006.01)**

[25] EN

[54] **HARVESTING DEVICE AND METHOD FOR HARVESTING FRUIT HANGING FROM A PLANT**

[54] **DISPOSITIF DE RECOLTE ET PROCEDE DE RECOLTE DE FRUITS SUSPENDUS A UNE PLANTE**

[72] GEURTS, PETER JOHANNES LODEWIJK, NL
[71] FINE FIELD B.V., NL
[85] 2021-07-14
[86] 2020-01-30 (PCT/NL2020/050054)
[87] (WO2020/159371)
[30] NL (2022482) 2019-01-30

[21] **3,126,775**
[13] A1

[51] **Int.Cl. F16K 27/00 (2006.01)**

[25] EN

[54] **WELD CAP AND PLUG WELDS FLUID DELIVERY SYSTEMS**

[54] **CAPUCHON DE SOUDURE ET SYSTEMES DE DISTRIBUTION DE FLUIDE A SOUDURES EN BOUCHON**

[72] REZAEI, FREDERICK, US
[71] COMPART SYSTEMS PTE. LTD., SG
[85] 2021-07-14
[86] 2020-01-28 (PCT/IB2020/000069)
[87] (WO2020/157574)
[30] US (62/798,371) 2019-01-29

[21] **3,126,776**
[13] A1

[51] **Int.Cl. C09K 8/36 (2006.01) C10M 105/72 (2006.01)**

[25] EN

[54] **METHOD OF DRILLING A WELLBORE**

[54] **PROCEDE DE FORAGE D'UN PUIITS**

[72] GALLO, ERIK, IT
[72] BOTTARELLO, LORENA, IT
[72] MERLI, LUIGI, IT
[72] PIROVANO, PIERANGELO, IT
[72] CECCHETTO, MASSIMO, IT
[72] VIGANO', LAURA, IT
[72] FLORIDI, GIOVANNI, IT
[72] LI BASSI, GIUSEPPE, IT
[71] LAMBERTI S.P.A., IT
[85] 2021-07-14
[86] 2020-01-13 (PCT/EP2020/050713)
[87] (WO2020/148235)
[30] IT (102019000000585) 2019-01-14

[21] **3,126,778**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) A61P 9/00 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **METHODS TO DETERMINE WHETHER A SUBJECT IS SUITABLE OF BEING TREATED WITH AN AGONIST OF SOLUBLE GUANYLYL CYCLASE (SGC)**

[54] **PROCEDES PERMETTANT DE DETERMINER SI UN SUJET EST APTE A ETRE TRAITE AVEC UN AGONISTE DE GUANYLYLE CYCLASE SOLUBLE (SGC)**

[72] HOET, RENE, NL
[72] SANDNER, PETER, DE
[72] KRAHLING, JAN ROBERT, DE
[72] BENARDEAU, AGNES, DE
[72] FREITAS DE MESQUITA BARBAS, ANA LUCIA, PT
[72] NOBRE, LIGIA, PT
[72] SOARES, HUGO, PT
[72] SILVA, GABRIELA, PT
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2021-07-14
[86] 2020-01-16 (PCT/EP2020/051015)
[87] (WO2020/148379)
[30] EP (19152338.0) 2019-01-17

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[21] **3,126,780**
[13] A1

[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **BIOMARKERS FOR RENAL CELL CARCINOMA**
[54] **BIOMARQUEURS POUR LE CARCINOME A CELLULES RENALES**
[72] TREVISANI, FRANCESCO, IT
[72] CINQUE, ALESSANDRA, IT
[72] LARCHER, ALESSANDRO, IT
[72] RAMPOLDI, LUCA, IT
[72] FICHERA, DOMENICO, IT
[72] RIPA, FRANCESCO, IT
[71] OSPEDALE SAN RAFFAELE S.R.L., IT
[85] 2021-07-14
[86] 2020-01-16 (PCT/EP2020/051053)
[87] (WO2020/148401)
[30] EP (19152126.9) 2019-01-16

[21] **3,126,781**
[13] A1

[51] **Int.Cl. B60R 3/02 (2006.01)**
[25] EN
[54] **RETRACTABLE POWER STEP REMOTE DRIVE**
[54] **ENTRAINEMENT A DISTANCE DE MARCHE ELECTRIQUE RETRACTABLE**
[72] WATSON, BRADLEY E., CA
[71] MAGNA EXTERIORS INC., CA
[85] 2021-07-14
[86] 2020-04-09 (PCT/IB2020/000260)
[87] (WO2020/208417)
[30] US (62/831,497) 2019-04-09

[21] **3,126,782**
[13] A1

[51] **Int.Cl. C01B 3/38 (2006.01) C07C 27/06 (2006.01) C07C 41/01 (2006.01) C07C 41/09 (2006.01) C07C 51/12 (2006.01) C07C 53/08 (2006.01) C10K 3/02 (2006.01)**
[25] EN
[54] **A PROCESS FOR PRODUCING HYDROGEN-LEAN SYNGAS FOR ACETIC ACID SYNTHESIS AND DIMETHYL ETHER SYNTHESIS**
[54] **PROCEDE DE PRODUCTION DE GAZ DE SYNTHESE PAUVRE EN HYDROGENE POUR LA SYNTHESE D'ACIDE ACETIQUE ET LA SYNTHESE D'ETHER DIMETHYLIQUE**
[72] RAJAGOPALAN, VIJAYANAND, IN
[72] PANT, ATUL, IN
[72] NARAYANASWAMY, RAVICHANDER, IN
[71] ENI S.P.A., IT
[85] 2021-07-14
[86] 2020-01-02 (PCT/IB2020/050012)
[87] (WO2020/157585)
[30] US (62/797,591) 2019-01-28

[21] **3,126,784**
[13] A1

[51] **Int.Cl. A61M 25/01 (2006.01) A61M 25/00 (2006.01) A61M 25/04 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **MINIMALLY INVASIVE CATHETER**
[54] **CATHETER MINIMALEMENT INVASIF**
[72] SREMCEVIC, BOSKO, RS
[71] UNIVERZITET U BEOGRADU, RS
[85] 2021-07-14
[86] 2019-01-21 (PCT/RS2019/000004)
[87] (WO2020/153860)

[21] **3,126,786**
[13] A1

[51] **Int.Cl. A61B 5/053 (2021.01) A61B 5/00 (2006.01)**
[25] FR
[54] **DEVICE FOR MEASURING A CONGESTION OF THE DIGESTIVE TRACT**
[54] **DISPOSITIF DE MESURE D'UNE CONGESTION DU TRACTUS DIGESTIF**
[72] DOPIERALA, CINDY, FR
[72] POIZAT, ADRIEN, FR
[72] PARMENTIER, THIBAUT, FR
[72] GUMERY, PIERRE-YVES, FR
[71] SENTINHEALTH, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[85] 2021-07-14
[86] 2020-01-24 (PCT/FR2020/050114)
[87] (WO2020/152429)
[30] FR (1900629) 2019-01-24

[21] **3,126,787**
[13] A1

[51] **Int.Cl. A61M 11/04 (2006.01) A24F 47/00 (2020.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **PORTABLE ELECTRONIC VAPORIZING DEVICE**
[54] **DISPOSITIF DE VAPORISATION ELECTRONIQUE PORTATIF**
[72] VOLODARSKY, ROGER, US
[72] BAJPAI, AVI, US
[72] SAYRE, ROGER, US
[72] COHEN, JUSTIN, US
[71] PUFF CORP., US
[85] 2021-07-14
[86] 2019-01-14 (PCT/US2019/013501)
[87] (WO2020/149821)

[21] **3,126,788**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM OF A CDK INHIBITOR**
[54] **FORME CRISTALLINE D'UN INHIBITEUR DE CDK**
[72] BEHENNA, DOUGLAS CARL, US
[72] ORNELAS, MARTHA ALICIA, US
[71] PFIZER INC., US
[85] 2021-07-14
[86] 2020-01-13 (PCT/IB2020/050240)
[87] (WO2020/148635)
[30] US (62/793,516) 2019-01-17
[30] US (62/949,990) 2019-12-18

Demandes PCT entrant en phase nationale

[21] **3,126,789**
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) G06F 16/21 (2019.01) G06F 16/24 (2019.01) G06F 16/95 (2019.01) G06F 16/958 (2019.01) H04L 12/26 (2006.01)**

[25] EN

[54] **DATA MANAGEMENT SYSTEM FOR WEB BASED DATA SERVICES**

[54] **SYSTEME DE GESTION DE DONNEES POUR SERVICES DE DONNEES BASES SUR LE WEB**

[72] MALHOTRA, BALJEET, CA
[71] TEEJLAB INC., CA
[71] MALHOTRA, BALJEET, CA
[85] 2021-07-14
[86] 2020-01-15 (PCT/IB2020/050279)
[87] (WO2020/148657)
[30] US (62/792,428) 2019-01-15

[21] **3,126,791**
[13] A1

[51] **Int.Cl. C01B 3/38 (2006.01) C07C 29/151 (2006.01)**

[25] EN

[54] **METHANOL PRODUCTION PROCESS WITH INCREASED ENERGY EFFICIENCY**

[54] **PROCEDE DE PRODUCTION DE METHANOL AVEC EFFICACITE ENERGETIQUE ACCRUE**

[72] ALAHMADI, FAISAL, SA
[72] ALAMRO, MARWAN, SA
[72] KOLAH, ASPI, SA
[71] ENI S.P.A., IT
[85] 2021-07-14
[86] 2020-02-06 (PCT/IB2020/050961)
[87] (WO2020/161667)
[30] US (62/801,998) 2019-02-06

[21] **3,126,792**
[13] A1

[51] **Int.Cl. C02F 1/08 (2006.01) C02F 1/00 (2006.01)**

[25] EN

[54] **SYSTEM FOR THE PURIFICATION OF WATER BY COLD EVAPORATION THROUGH FRACTIONATED SURFACES**

[54] **SYSTEME DE PURIFICATION D'EAU PAR EVAPORATION A FROID AU MOYEN DE SURFACES FRACTIONNEES**

[72] RAMOS DE LA FUENTE, RUBEN, MX
[71] RAMOS DE LA FUENTE, RUBEN, MX
[85] 2021-07-14
[86] 2019-01-14 (PCT/IB2019/050277)
[87] (WO2020/148568)

[21] **3,126,793**
[13] A1

[51] **Int.Cl. B26B 19/06 (2006.01) B26B 19/38 (2006.01)**

[25] EN

[54] **POWERED HAIR CLIPPERS WITH BLADE ASSEMBLIES INCLUDING PATTERNED RIB ARRAYS**

[54] **TONDEUSE A CHEVEUX MOTORISEE A ENSEMBLES LAMES COMPRENANT DES RESEAUX A MOTIFS DE NERVURES**

[72] JABER, ANAS, US
[71] CAREFUSION 2200, INC., US
[85] 2021-07-14
[86] 2020-01-15 (PCT/US2020/013636)
[87] (WO2020/150318)
[30] US (62/792,584) 2019-01-15

[21] **3,126,794**
[13] A1

[51] **Int.Cl. A61L 12/02 (2006.01)**

[25] EN

[54] **CONTACT LENS CLEANER**

[54] **DISPOSITIF DE NETTOYAGE DE LENTILLES DE CONTACT**

[72] VIL, SAMUEL SAINT, US
[71] SAINTECH, LLC, US
[71] VIL, SAMUEL SAINT, US
[85] 2021-07-14
[86] 2020-01-15 (PCT/US2020/013592)
[87] (WO2020/150296)
[30] US (62/792,446) 2019-01-15

[21] **3,126,795**
[13] A1

[51] **Int.Cl. G16H 10/20 (2018.01) G16H 20/00 (2018.01) G06N 7/00 (2006.01) G06N 5/00 (2006.01)**

[25] EN

[54] **PLATFORMS FOR CONDUCTING VIRTUAL TRIALS**

[54] **PLATES-FORMES POUR EFFECTUER DES ESSAIS VIRTUELS**

[72] SHRAGER, JEFFREY C., US
[72] TENENBAUM, JAY MARTIN, US
[72] PORTER, CHRISTOPHER KELLY, US
[72] HOOS, WILLIAM ARTHUR, US
[72] SHAPIRO, MARK ADAM, US
[71] CANCER COMMONS, US
[85] 2021-07-14
[86] 2019-01-22 (PCT/US2019/014539)
[87] (WO2019/144116)
[30] US (62/620,365) 2018-01-22

[21] **3,126,796**
[13] A1

[51] **Int.Cl. C12N 15/70 (2006.01)**

[25] EN

[54] **A BACTERIAL EXPRESSION VECTOR FOR ENHANCED PROTEIN SECRETION**

[54] **VECTEUR D'EXPRESSION BACTERIEN POUR UNE SECRETION DE PROTEINE AMELIOREE**

[72] LOKIREDDY, SUDARSANAREDDY, IN
[71] ONCOSIMIS BIOTECH PRIVATE LIMITED, IN
[85] 2021-07-14
[86] 2020-02-15 (PCT/IB2020/051289)
[87] (WO2020/165874)
[30] IN (201941005938) 2019-02-15

PCT Applications Entering the National Phase

[21] **3,126,797**
[13] A1

[51] **Int.Cl. B43K 27/04 (2006.01) B43K 24/10 (2006.01) B43K 24/16 (2006.01) B43K 24/18 (2006.01) B43K 27/00 (2006.01)**

[25] EN

[54] **ONE-HAND OPERATED MULTI-PENCIL**

[54] **MULTI-CRAYON ACTIONNE PAR UNE SEULE MAIN**

[72] ARMINAK, ARMIN, US

[71] ARMINAK, ARMIN, US

[85] 2021-07-14

[86] 2019-08-20 (PCT/US2019/047213)

[87] (WO2020/149883)

[30] US (62/792,629) 2019-01-15

[30] US (16/430,010) 2019-06-03

[21] **3,126,798**
[13] A1

[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/506 (2006.01) A61P 31/04 (2006.01) C07D 239/47 (2006.01) C07D 403/04 (2006.01) C07D 403/10 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 451/04 (2006.01) C07D 471/08 (2006.01) C07D 471/10 (2006.01) C07D 487/10 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL COMPOUNDS AND METHODS**

[54] **COMPOSES ANTIMICROBIENS ET PROCEDES**

[72] LOOPER, RYAN E., US

[72] SEBAHAR, PAUL, US

[72] REDDY, HARIPRASADA R. KANNA, US

[72] HAUSSENER, TRAVIS J., US

[72] TESTA, CHARLES A., US

[72] TRESKO, BENISAAC C., US

[72] GRANT, SETH, US

[72] NAPOLITANO, CARMELA, IT

[72] SABBATINI, FABIO MARIA, IT

[71] CURZA GLOBAL, LLC, US

[71] THE UNIVERSITY OF UTAH RESEARCH FOUNDATION, US

[85] 2021-07-14

[86] 2020-01-15 (PCT/US2020/013717)

[87] (WO2020/150372)

[30] US (62/793,160) 2019-01-16

[30] US (62/793,131) 2019-01-16

[30] US (62/793,122) 2019-01-16

[21] **3,126,799**
[13] A1

[51] **Int.Cl. G08C 17/02 (2006.01)**

[25] EN

[54] **PAIRING A REMOTE CONTROL DEVICE TO A VEHICLE**

[54] **APPAIRAGE D'UN DISPOSITIF DE TELECOMMANDE A UN VEHICULE**

[72] WOODRUFF, VERN L., US

[72] LUTTMAN, TRISHA M., US

[72] SCHLOEMER, JAMES F., US

[72] PULSKAMP, STEVEN R., US

[72] MEIRING, DONALD T., US

[72] SHINAW, MATTHEW T., US

[72] PILCHER, KENT D., US

[72] DUCKWORTH, PAUL C., US

[71] CROWN EQUIPMENT CORPORATION, US

[85] 2021-07-14

[86] 2019-12-18 (PCT/US2019/067075)

[87] (WO2020/159636)

[30] US (62/800,032) 2019-02-01

[21] **3,126,800**
[13] A1

[51] **Int.Cl. A44C 23/00 (2006.01) A44C 25/00 (2006.01)**

[25] EN

[54] **ROSARY CROWN SUITED TO BE TRANSFORMED INTO A BRACELET**

[54] **COURONNE DE ROSAIRE ADAPTEE POUR ETRE TRANSFORMEE EN BRACELET**

[72] GHIRELLI, ALESSANDRO, IT

[71] GHIRELLI S.R.L., IT

[85] 2021-07-14

[86] 2020-03-04 (PCT/IB2020/051843)

[87] (WO2020/178757)

[30] IT (102019000003183) 2019-03-05

[21] **3,126,801**
[13] A1

[51] **Int.Cl. B29B 7/24 (2006.01) B29C 48/285 (2019.01) B01F 15/00 (2006.01) B01F 15/02 (2006.01) B29B 7/30 (2006.01) B29B 7/60 (2006.01) B29B 7/82 (2006.01) C08J 3/05 (2006.01) C08J 3/20 (2006.01) C08K 5/01 (2006.01) C09D 191/06 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR MAKING THERMOPLASTIC PRODUCTS AND COMPOSITIONS**

[54] **SYSTEMES ET METHODES DE FABRICATION DE PRODUITS ET COMPOSITIONS THERMOPLASTIQUES**

[72] CROSS, NATHAN HOOVER, US

[72] CADY, ALEX, US

[72] HEPLER, BRADLEY, US

[72] PARKER, ANDY, US

[72] WILKINS, VINCE, US

[71] ENNIS-FLINT, INC., US

[85] 2021-07-14

[86] 2020-01-15 (PCT/US2020/013660)

[87] (WO2020/150337)

[30] US (62/792,625) 2019-01-15

[21] **3,126,802**
[13] A1

[51] **Int.Cl. A61K 31/425 (2006.01) A61P 25/02 (2006.01)**

[25] EN

[54] **METHODS OF TREATING PAIN WITH A THIAZOLINE ANTI-HYPERALGESIC**

[54] **METHODES DE TRAITEMENT DE LA DOULEUR AVEC UN ANTI-HYPERALGESIQUE DE TYPE THIAZOLINE**

[72] DAX, SCOTT, US

[71] CERSCI THERAPEUTICS, INC., US

[85] 2021-07-14

[86] 2019-12-19 (PCT/US2019/067454)

[87] (WO2020/159643)

[30] US (62/800,232) 2019-02-01

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[21] **3,126,803**
[13] A1

[51] **Int.Cl. B01J 23/44 (2006.01) B01J 23/50 (2006.01) B01J 35/00 (2006.01) B01J 35/02 (2006.01) B01J 35/08 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01) B22F 1/00 (2006.01) B22F 9/24 (2006.01) C07C 5/05 (2006.01) C07C 5/09 (2006.01) C10G 45/40 (2006.01)**

[25] EN

[54] **A BIMETALLIC NANOPARTICLE-BASED CATALYST, ITS USE IN SELECTIVE HYDROGENATION, AND A METHOD OF MAKING THE CATALYST**

[54] **CATALYSEUR A BASE DE NANOPARTICULES BIMETALLIQUES, SON UTILISATION DANS UNE HYDROGENATION SELECTIVE, ET PROCEDE DE FABRICATION DU CATALYSEUR**

[72] HERZFELD, TOBIAS, DE
[72] KLEMT, ANDREAS, DE
[72] SCHOLZ, SVEN, DE
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2021-07-14
[86] 2020-01-15 (PCT/US2020/013682)
[87] (WO2020/150354)
[30] US (62/793,561) 2019-01-17

[21] **3,126,804**
[13] A1

[51] **Int.Cl. G06K 9/62 (2006.01)**

[25] EN

[54] **DAMAGE DETECTION FROM MULTI-VIEW VISUAL DATA**

[54] **DETECTION DE DOMMAGES A PARTIR DE DONNEES VISUELLES MULTI-VUES**

[72] HOLZER, STEFAN JOHANNES JOSEF, US

[72] KAR, ABHISHEK, US
[72] MUNARO, MATTEO, US
[72] HANCHAR, PAVEL, US
[72] RUSU, RADU BOGDAN, US
[71] FYUSION, INC., US

[85] 2021-07-14
[86] 2020-01-07 (PCT/US2020/012592)
[87] (WO2020/154096)
[30] US (62/795,421) 2019-01-22

[21] **3,126,805**
[13] A1

[51] **Int.Cl. C12N 9/10 (2006.01)**

[25] EN

[54] **ENGINEERED ARYL SULFATE-DEPENDENT ENZYMES**

[54] **ENZYMES DEPENDANTES DU SULFATE D'ARYLE MODIFIEES**

[72] FERREIRA, TARSIS GESTEIRA, US
[71] OPTIMVIA, LLC, US

[85] 2021-07-14
[86] 2020-01-15 (PCT/US2020/013677)
[87] (WO2020/150350)
[30] US (62/792,440) 2019-01-15
[30] US (62/797,466) 2019-01-28
[30] US (62/808,074) 2019-02-20
[30] US (62/853,261) 2019-05-28

[21] **3,126,809**
[13] A1

[51] **Int.Cl. E21B 17/00 (2006.01) E21B 17/10 (2006.01)**

[25] EN

[54] **CORROSION AND ABRASION RESISTANT SUCKER ROD**

[54] **TIGE DE POMPAGE RESISTANTE A LA CORROSION ET A L'ABRASION**

[72] BADRAK, ROBERT P., US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[85] 2021-07-14
[86] 2020-01-17 (PCT/US2020/014094)
[87] (WO2020/167413)
[30] US (16/276,658) 2019-02-15

[21] **3,126,811**
[13] A1

[51] **Int.Cl. G06Q 20/00 (2012.01)**

[25] EN

[54] **REAL TIME USER MATCHING USING PURCHASING BEHAVIOR**

[54] **APPARIEMENT D'UTILISATEURS EN TEMPS REEL A L'AIDE D'UN COMPORTEMENT D'ACHAT**

[72] JAYAN, VIVEK, US
[72] UJJWAL, KUMAR, US
[72] MCELROY, ANDREW DANIEL, US
[72] RAO, SHYAM, US
[71] PUNCHH INC., US

[85] 2021-07-14
[86] 2020-01-15 (PCT/US2020/013723)
[87] (WO2020/150376)
[30] US (62/793,552) 2019-01-17

[21] **3,126,812**
[13] A1

[51] **Int.Cl. H04W 12/02 (2009.01) H04W 8/26 (2009.01) H04W 12/00 (2021.01) H04L 29/06 (2006.01) H04W 84/12 (2009.01)**

[25] EN

[54] **IMPROVED HANDLING OF UNIQUE IDENTIFIERS FOR STATIONS**

[54] **GESTION AMELIOREE D'IDENTIFIANTS UNIQUES POUR DES STATIONS**

[72] ANSLEY, CAROL, US
[72] STRATER, JAY, US
[72] LUMBATIS, KURT, US
[72] HAMILTON, MARK, US
[71] ARRIS ENTERPRISES LLC, US

[85] 2021-07-14
[86] 2020-01-15 (PCT/US2020/013688)
[87] (WO2020/150357)
[30] US (62/792,744) 2019-01-15
[30] US (62/875,279) 2019-07-17

[21] **3,126,815**
[13] A1

[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/506 (2006.01) A61P 31/04 (2006.01) C07D 239/47 (2006.01) C07D 403/04 (2006.01) C07D 403/10 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 451/04 (2006.01) C07D 471/08 (2006.01) C07D 471/10 (2006.01) C07D 487/10 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL COMPOUNDS AND METHODS**

[54] **COMPOSES ANTIMICROBIENS ET PROCEDES**

[72] LOOPER, RYAN E., US
[72] SEBAHAR, PAUL, US
[72] REDDY, HARIPRASADA R. KANNA, US

[72] HAUSSENER, TRAVIS J., US
[72] TESTA, CHARLES A., US
[72] TRESKO, BENLSAAC C., US
[72] GRANT, SETH, US
[72] NAPOLITANO, CARMELA, IT
[72] SABBATINI, FABIO MARIA, IT
[71] CURZA GLOBAL, LLC, US
[71] THE UNIVERSITY OF UTAH RESEARCH FOUNDATION, US

[85] 2021-07-14
[86] 2020-01-15 (PCT/US2020/013733)
[87] (WO2020/150385)
[30] US (62/793,216) 2019-01-16

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[21] **3,126,817**
[13] A1

[51] **Int.Cl. A61M 25/01 (2006.01) A61M 25/00 (2006.01) G05G 1/10 (2006.01)**
[25] EN
[54] **ERGONOMIC STEERING HANDLE**
[54] **POIGNEE ERGONOMIQUE DE GUIDAGE**
[72] ALTSHULER, GREGORY, US
[72] YAROSLAVSKY, ILYA, US
[72] BOUTOUSOV, DMITRI, US
[72] ANDREEVA, VIKTORIYA, RU
[72] TRAXER, OLIVIER, FR
[72] BARENBOYM, MICHAEL, US
[72] OSTROVSKY, ISAAC, US
[72] KOVALENKO, ANASTASIYA, RU
[71] IPG PHOTONICS CORPORATION, US
[85] 2021-07-14
[86] 2020-01-20 (PCT/US2020/014285)
[87] (WO2020/150709)
[30] US (62/794,328) 2019-01-18
[30] US (62/868,105) 2019-06-28

[21] **3,126,818**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF INDUCING AN ANTI-CANCER IMMUNE RESPONSE**
[54] **PROCEDES D'INDUCTION D'UNE REPOSE IMMUNITAIRE ANTICANCEREUSE**
[72] SMITH, CHARLES D., US
[72] MAINES, LYNN W., US
[71] APOGEE BIOTECHNOLOGY CORPORATION, US
[85] 2021-07-14
[86] 2020-01-16 (PCT/US2020/013817)
[87] (WO2020/150434)
[30] US (62/792,996) 2019-01-16

[21] **3,126,822**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/655 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATON THERAPY WITH A DON PRODRUG AND AN IMMUNE CHECKPOINT INHIBITOR**
[54] **THERAPIE COMBINEE ASSOCIANT UN PROMEDICAMENT DON ET UN INHIBITEUR DES POINTS DE CONTROLE IMMUNITAIRE**
[72] WILD, ROBERT CHRISTIAN, US
[72] ESTOK, THOMAS, US
[71] DRACEN PHARMACEUTICALS, INC., US
[85] 2021-07-14
[86] 2020-01-17 (PCT/US2020/014149)
[87] (WO2020/150639)
[30] US (62/794,231) 2019-01-18

[21] **3,126,824**
[13] A1

[51] **Int.Cl. C07C 29/80 (2006.01) C01B 3/38 (2006.01) C07C 31/04 (2006.01)**
[25] EN
[54] **METHANOL PRODUCTION PROCESS**
[54] **PROCEDE DE PRODUCTION DE METHANOL**
[72] CHINTA, SIVADINARAYANA, US
[72] AL-GHAMDI, MIASSER, SA
[72] PANT, ATUL, IN
[72] NARAYANASWAMY, RAVICHANDER, IN
[72] AL-HAGBANI, SAUD, SA
[72] RABIE, ARWA, US
[71] ENI S.P.A, IT
[85] 2021-07-14
[86] 2020-01-21 (PCT/US2020/014395)
[87] (WO2020/154284)
[30] US (62/794,783) 2019-01-21

[21] **3,126,826**
[13] A1

[51] **Int.Cl. C12N 5/00 (2006.01) C12M 1/00 (2006.01) C12M 1/36 (2006.01) C12M 1/42 (2006.01)**
[25] EN
[54] **PARAMETERS FOR CONCENTRATION AND WASHING OF PARTICLES WITH ACOUSTICS**
[54] **PARAMETRES POUR LA CONCENTRATION ET LE LAVAGE DE PARTICULES AVEC DES ONDES SONORES**
[72] ROSS-JOHN SRUD, BENJAMIN, US
[72] LIPKENS, BART, US
[71] FLODESIGN SONICS, INC., US
[85] 2021-07-14
[86] 2020-01-21 (PCT/US2020/014492)
[87] (WO2020/154334)
[30] US (62/794,978) 2019-01-21

[21] **3,126,828**
[13] A1

[51] **Int.Cl. G16H 20/10 (2018.01)**
[25] EN
[54] **METHODS AND SYSTEM FOR THE RECONSTRUCTION OF DRUG RESPONSE AND DISEASE NETWORKS AND USES THEREOF**
[54] **PROCEDES ET SYSTEME POUR LA RECONSTRUCTION DE RESEAUX DE MALADIE ET DE REPOSE A DES MEDICAMENTS ET LEURS UTILISATIONS**
[72] ATHEY, BRIAN D., US
[72] HIGGINS, GERALD A., US
[72] ADE, ALEX, US
[72] KALININ, ALEXANDR, US
[72] REAMAROON, NARATHIP, US
[72] BURNS, JAMES S., US
[71] THE REGENTS OF THE UNIVERSTIY OF MICHIGAN, US
[85] 2021-07-14
[86] 2020-01-22 (PCT/US2020/014536)
[87] (WO2020/154356)
[30] US (62/795,710) 2019-01-23
[30] US (62/795,705) 2019-01-23

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[21] **3,126,829**
[13] A1

[51] **Int.Cl. A61B 17/94 (2006.01) A61B 1/015 (2006.01) A61B 1/018 (2006.01)**
[25] EN
[54] **STEERING HANDLE WITH MULTI-CHANNEL MANIFOLD**
[54] **POIGNEE DE DIRECTION A COLLECTEUR MULTICANAL**
[72] ALTSHULER, GREGORY, US
[72] YAROSLAVSKY, ILYA, US
[72] BOUTOUSSOV, DMITRI, US
[72] ANDREEVA, VIKTORIYA, RU
[72] TRAXER, OLIVIER, FR
[72] BARENBOYM, MICHAEL, US
[72] OSTROVSKY, ISAAC, US
[72] KOVALENKO, ANASTASIYA, RU
[71] IPG PHOTONICS CORPORATION, US
[85] 2021-07-14
[86] 2020-01-20 (PCT/US2020/014282)
[87] (WO2020/150708)
[30] US (62/794,328) 2019-01-18
[30] US (62/868,271) 2019-06-28

[21] **3,126,830**
[13] A1

[51] **Int.Cl. A63G 25/00 (2006.01)**
[25] EN
[54] **RIDE SYSTEM WITH DYNAMIC RIDE VEHICLE CONFIGURATIONS**
[54] **SYSTEME DE MANEGE A CONFIGURATIONS DE VEHICULE DE MANEGE DYNAMIQUE**
[72] WHITE, NATHANAEL G., US
[72] PRIMM, KEVIN B., US
[72] FREEDMAN, DANIEL, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-07-14
[86] 2020-01-27 (PCT/US2020/015249)
[87] (WO2020/163106)
[30] US (16/269,946) 2019-02-07

[21] **3,126,832**
[13] A1

[51] **Int.Cl. H02M 3/335 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM USING A NOISE FILTER TO DRIVE SYNCHRONOUS RECTIFIERS OF AN LLC DC-DC CONVERTER**
[54] **PROCEDE ET SYSTEME FAISANT APPEL A UN FILTRE DE BRUIT POUR COMMANDER DES REDRESSEURS SYNCHRONES D'UN CONVERTISSEUR CC-CC LLC**
[72] ZHOU, XIANG, CA
[72] LIU, WENBO, CA
[72] SHENG, BO, CA
[72] CHEN, YANG, CA
[72] YUREK, ANDREW, CA
[72] LIU, YAN-FEI, CA
[72] IYER, LAKSHMI, VARAHA, US
[72] SCHLAGER, GERD, AT
[72] NEUDORFHOFER, MICHAEL, AT
[72] BAECK, WOLFGANG, AT
[71] MAGNA INTERNATIONAL INC., CA
[85] 2021-07-14
[86] 2020-01-24 (PCT/US2020/014911)
[87] (WO2020/154572)
[30] US (62/796,536) 2019-01-24
[30] US (62/796,547) 2019-01-24

[21] **3,126,833**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/4545 (2006.01) A61K 31/713 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **A METHOD OF GENE EDITING**
[54] **PROCEDE D'EDITION DE GENE**
[72] RUSSELL, DAVID W., US
[72] HAESELEER, FRANCOISE J., US
[72] DALWADI, DHWANIL, US
[71] UNIVERSITY OF WASHINGTON, US
[85] 2021-07-14
[86] 2020-01-29 (PCT/US2020/015550)
[87] (WO2020/160071)
[30] US (62/798,357) 2019-01-29

[21] **3,126,834**
[13] A1

[51] **Int.Cl. G01M 3/20 (2006.01) G01N 21/3504 (2014.01) G01M 3/38 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LEAK MONITORING VIA MEASUREMENT OF OPTICAL ABSORPTION USING TAILORED REFLECTOR INSTALLMENTS**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE FUITE PAR LE BIAIS D'UNE MESURE D'ABSORPTION OPTIQUE A L'AIDE D'INSTALLATIONS DE REFLECTEURS ADAPTES**
[72] WAXMAN, ALLEN M., US
[72] BOKAEMPER, STEFAN, US
[72] JONES, TERRENCE K., US
[72] ROBOTHAM, CLAUDE V., US
[71] MULTISENSOR SCIENTIFIC, INC., US
[85] 2021-07-14
[86] 2020-01-24 (PCT/US2020/014990)
[87] (WO2020/154619)
[30] US (62/797,065) 2019-01-25
[30] US (16/413,272) 2019-05-15

[21] **3,126,835**
[13] A1

[51] **Int.Cl. G08B 23/00 (2006.01)**
[25] EN
[54] **SMART SURVEILLANCE SYSTEM FOR SWIMMING POOLS**
[54] **SYSTEME DE SURVEILLANCE INTELLIGENT POUR PISCINES**
[72] GALI, RAMY R., US
[72] MATAR, PHILLIP E., US
[72] MAY, DAVID C, US
[71] POOL KNIGHT, LLC, US
[85] 2021-07-14
[86] 2020-01-29 (PCT/US2020/015599)
[87] (WO2020/160098)
[30] US (62/798,017) 2019-01-29
[30] US (16/774,933) 2020-01-28

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[21] **3,126,837**
[13] A1

[51] **Int.Cl. A61B 17/94 (2006.01) A61B 1/002 (2006.01) A61B 1/015 (2006.01) A61B 1/018 (2006.01) A61B 1/04 (2006.01) A61B 1/06 (2006.01) A61B 1/07 (2006.01)**

[25] EN

[54] **EFFICIENT MULTI-FUNCTIONAL ENDOSCOPIC INSTRUMENT**

[54] **INSTRUMENT ENDOSCOPIQUE MULTIFONCTIONNEL EFFICACE**

[72] ALTSHULER, GREGORY, US
[72] YAROSLAVSKY, ILYA, US
[72] BOUTOUSSOV, DMITRI, US
[72] ANDREEVA, VIKTORIYA, RU
[72] KOVALENKO, ANASTASIYA, RU
[72] TRAXER, OLIVIER, FR
[72] BARENBOYM, MICHAEL, US
[72] OSTROVSKY, ISAAC, US
[71] IPG PHOTONICS CORPORATION, US

[85] 2021-07-14
[86] 2020-01-20 (PCT/US2020/014293)
[87] (WO2020/150713)
[30] US (62/794,328) 2019-01-18

[21] **3,126,839**
[13] A1

[51] **Int.Cl. A01K 67/02 (2006.01) A01K 67/027 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **TREATMENT OF DISEASES INVOLVING DEFICIENCY OF ENPPI OR ENPP3**

[54] **TRAITEMENT DE MALADIES IMPLIQUANT UNE DEFICIENCE D'ENPPI OU D'ENPP3**

[72] JUNGLES, STEVEN, US
[72] BRADDOCK, DEMETRIOS, US
[71] INOZYME PHARMA, INC., US
[71] YALE UNIVERSITY, US

[85] 2021-07-14
[86] 2020-01-20 (PCT/US2020/014296)
[87] (WO2020/150716)
[30] US (62/794,450) 2019-01-18
[30] US (62/821,692) 2019-03-21
[30] US (62/877,044) 2019-07-22

[21] **3,126,841**
[13] A1

[51] **Int.Cl. C07C 7/00 (2006.01) C01B 3/38 (2006.01) C07C 7/11 (2006.01) C10G 11/00 (2006.01)**

[25] EN

[54] **AN INTEGRATED INDIRECT HEAT TRANSFER PROCESS FOR THE PRODUCTION OF SYNGAS AND OLEFINS BY CATALYTIC PARTIAL OXIDATION AND CRACKING**

[54] **PROCEDE DE TRANSFERT DE CHALEUR INDIRECT INTEGRE POUR LA PRODUCTION DE GAZ DE SYNTHESE ET D'OLEFINES PAR OXYDATION ET CRAQUAGE CATALYTIQUES PARTIELS**

[72] CHINTA, SIVADINARAYANA, US
[72] AL-GHAMDI, MIASSER, SA
[72] PANT, ATUL, IN
[72] NARAYANASWAMY, RAVICHANDER, IN

[71] ENI S.P.A, IT

[85] 2021-07-14
[86] 2020-02-26 (PCT/US2020/019935)
[87] (WO2020/176646)
[30] US (62/810,629) 2019-02-26

[21] **3,126,844**
[13] A1

[51] **Int.Cl. A61B 5/11 (2006.01)**

[25] EN

[54] **3D ENVIRONMENT RISKS IDENTIFICATION UTILIZING REINFORCED LEARNING**

[54] **IDENTIFICATION DES RISQUES D'UN ENVIRONNEMENT 3D UTILISANT UN APPRENTISSAGE RENFORCE**

[72] CHASKO, BRYAN JOHN, US
[71] ELECTRONIC CAREGIVER, INC., US

[85] 2021-07-14
[86] 2020-01-31 (PCT/US2020/016248)
[87] (WO2020/163180)
[30] US (62/801,525) 2019-02-05

[21] **3,126,845**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) C12Q 1/6876 (2018.01) A61K 9/08 (2006.01) A61K 31/7088 (2006.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61P 25/14 (2006.01) A61P 25/28 (2006.01) C07H 21/00 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **OLIGONUCLEOTIDE COMPOSITIONS AND METHODS THEREOF**

[54] **COMPOSITIONS OLIGONUCLEOTIDIQUES ET PROCEDES ASSOCIES**

[72] BROWN, JEFFREY MATTHEW, US
[72] BERKOVITCH, SHAUNNA SYU-MEI, US
[72] IWAMOTO, NAOKI, US
[72] VARGESE, CHANDRA, US
[72] AKLILU, KIDIST M., US
[72] FRANK-KAMENETSKY, MARIA DAVID, US

[72] BROWN, DUNCAN PARLEY, US
[71] WAVE LIFE SCIENCES LTD., SG

[85] 2021-07-14
[86] 2020-01-30 (PCT/US2020/015971)
[87] (WO2020/160336)
[30] US (62/800,409) 2019-02-01
[30] US (62/911,335) 2019-10-06

[21] **3,126,846**
[13] A1

[51] **Int.Cl. C09K 5/04 (2006.01)**

[25] EN

[54] **HEAT TRANSFER COMPOSITIONS COMPRISING R-1225YE(E)**

[54] **COMPOSITIONS DE TRANSFERT THERMIQUE COMPRENANT R-1225YE(E)**

[72] MINOR, BARBARA HAVILAND, US
[71] THE CHEMOURS COMPANY FC, LLC, US

[85] 2021-07-14
[86] 2020-03-03 (PCT/US2020/020720)
[87] (WO2020/180828)
[30] US (62/813,252) 2019-03-04

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[21] **3,126,847**
[13] A1

[51] **Int.Cl. F04B 53/10 (2006.01) F16K 25/00 (2006.01)**

[25] EN

[54] **PUMP VALVE SEAT WITH SUPPLEMENTAL RETENTION**

[54] **SIEGE DE SOUPEPE DE POMPE AVEC RETENUE SUPPLEMENTAIRE**

[72] HURST, JUSTIN LEE, US

[72] OLIS, JAMES ALAN, US

[72] BEISEL, JOSEPH A., US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2021-07-14

[86] 2020-02-03 (PCT/US2020/016393)

[87] (WO2020/231487)

[30] US (16/411,898) 2019-05-14

[21] **3,126,848**
[13] A1

[51] **Int.Cl. A01K 5/02 (2006.01) A01K 5/00 (2006.01)**

[25] EN

[54] **FEEDING SYSTEM**

[54] **SYSTEME D'ALIMENTATION**

[72] VACHULA, LE, US

[71] VACHULA, LE, US

[85] 2021-07-14

[86] 2020-02-11 (PCT/US2020/017643)

[87] (WO2020/167754)

[30] US (62/804,366) 2019-02-12

[21] **3,126,851**
[13] A1

[51] **Int.Cl. C22C 21/06 (2006.01) C22C 21/08 (2006.01) C22F 1/047 (2006.01)**

[25] EN

[54] **AGE-HARDENABLE AND HIGHLY FORMABLE ALUMINUM ALLOYS, MONOLITHIC SHEET MADE THEROF AND CLAD ALUMINUM ALLOY PRODUCT COMPRISING IT**

[54] **ALLIAGES D'ALUMINIUM DURCISSABLES PAR VIEILLISSEMENT ET A FORMABILITE ELEVEE, FEUILLE MONOLITHIQUE FABRIQUEE A PARTIR DE CES DERNIERS ET PRODUIT EN ALLIAGE D'ALUMINIUM PLAQUE LA C OMPRENANT**

[72] MARIAUX, AURELE, US

[72] DESPOIS, AUDE CELINE, US

[72] FELBERBAUM, MILAN, US

[72] FLOREY, GUILLAUME, US

[71] NOVELIS INC., US

[85] 2021-07-14

[86] 2020-03-11 (PCT/US2020/022133)

[87] (WO2020/185920)

[30] US (62/817,713) 2019-03-13

[21] **3,126,854**
[13] A1

[51] **Int.Cl. C21D 6/00 (2006.01) C21D 8/02 (2006.01) C21D 8/06 (2006.01) C22C 38/00 (2006.01) C22C 38/04 (2006.01) C22C 38/38 (2006.01) C22C 38/40 (2006.01) C22C 38/58 (2006.01)**

[25] FR

[54] **IRON-MANGANESE ALLOY HAVING IMPROVED WELDABILITY**

[54] **ALLIAGE FER-MANGANESE A SOUDABILITE AMELIOREE**

[72] REYDET, PIERRE-LOUIS, FR

[72] ESCOT, MARIELLE, FR

[72] LAURAIN, NICOLAS, FR

[71] APERAM, LU

[85] 2021-07-14

[86] 2019-01-22 (PCT/IB2019/050528)

[87] (WO2020/152498)

[21] **3,126,855**
[13] A1

[51] **Int.Cl. E04B 2/96 (2006.01) E06B 3/267 (2006.01)**

[25] EN

[54] **CURTAIN WALL FRAME GASKETS**

[54] **JOINTS DE CADRE DE MUR-RIDEAU**

[72] DOLBY, JEFFREY S., US

[72] MILLER, MATTHEW M., US

[72] MCKENNA, GREGORY B., US

[71] ARCONIC TECHNOLOGIES LLC, US

[85] 2021-07-14

[86] 2020-05-05 (PCT/US2020/031471)

[87] (WO2020/227290)

[87] US (62/843,719) 2019-05-06

[30] US (62/928,045) 2019-10-30

[21] **3,126,860**
[13] A1

[51] **Int.Cl. C09K 5/04 (2006.01)**

[25] EN

[54] **HEAT TRANSFER COMPOSITIONS COMPRISING R-1225YE(E) AND R-32**

[54] **COMPOSITIONS DE TRANSFERT THERMIQUE COMPRENANT R-1225YE(E) ET R-32**

[72] MINOR, BARBARA HAVILAND, US

[71] THE CHEMOURS COMPANY FC, LLC, US

[85] 2021-07-14

[86] 2020-03-03 (PCT/US2020/020729)

[87] (WO2020/180834)

[30] US (62/813,258) 2019-03-04

[21] **3,126,863**
[13] A1

[51] **Int.Cl. B65G 39/16 (2006.01) B65G 15/64 (2006.01) B65G 21/12 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN OR RELATING TO CONVEYORS**

[54] **AMELIORATIONS APPORTEES OU RELATIVES A DES TRANSPORTEURS**

[72] WATERS, DARREN, AU

[71] TRACK STRAIGHT PTY LTD, AU

[85] 2021-07-15

[86] 2020-01-15 (PCT/AU2020/050020)

[87] (WO2020/146925)

[30] AU (2019900121) 2019-01-15

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[21] **3,126,864**
[13] A1

[51] **Int.Cl. G06Q 50/06 (2012.01) G06N 20/00 (2019.01)**

[25] EN

[54] **SANITARY FACILITY MANAGEMENT SYSTEM AND SANITARY FACILITY MANAGEMENT METHOD**

[54] **SYSTEME DE GESTION D'EQUIPEMENTS SANITAIRES ET PROCEDE DE GESTION D'EQUIPEMENTS SANITAIRES**

[72] CUMMINGS, STEPHEN JOHN, AU

[72] EBERT, MARK, DE

[72] FRITZSCHE, MICHAEL, DE

[72] MUSIC, DRAGAN, AU

[71] CAROMA INDUSTRIES LTD., AU

[71] MICAS AG, DE

[85] 2021-07-15

[86] 2020-02-17 (PCT/AU2020/050130)

[87] (WO2020/163922)

[30] DE (10 2019 103 865.0) 2019-02-15

[21] **3,126,865**
[13] A1

[51] **Int.Cl. F16K 17/04 (2006.01) E21B 34/06 (2006.01) E21B 43/12 (2006.01) F04B 47/00 (2006.01) F04B 53/10 (2006.01) F16K 1/42 (2006.01) F16K 15/02 (2006.01) F16K 24/00 (2006.01) F16K 27/02 (2006.01)**

[25] EN

[54] **VALVE ASSEMBLY FOR A FLUID END WITH LIMITED ACCESS**

[54] **ENSEMBLE SOUPAPE POUR UNE EXTREMITE DE FLUIDE AVEC ACCES LIMITE**

[72] HURST, JUSTIN LEE, US

[72] OLIS, JAMES ALAN, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2021-07-14

[86] 2020-03-11 (PCT/US2020/022041)

[87] (WO2020/231497)

[30] US (16/411,910) 2019-05-14

[21] **3,126,866**
[13] A1

[51] **Int.Cl. F04B 53/14 (2006.01) E21B 43/12 (2006.01) F04B 15/02 (2006.01)**

[25] EN

[54] **PUMP FLUID END WITH POSITIONAL INDIFFERENCE FOR MAINTENANCE**

[54] **EXTREMITE DE POMPE COTE FLUIDE A INDIFFERENCE DE POSITION POUR LA MAINTENANCE**

[72] HURST, JUSTIN LEE, US

[72] OLIS, JAMES ALAN, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2021-07-14

[86] 2020-03-11 (PCT/US2020/022093)

[87] (WO2020/231500)

[30] US (16/411,911) 2019-05-14

[21] **3,126,867**
[13] A1

[51] **Int.Cl. H04W 12/06 (2021.01) H04W 4/70 (2018.01) H04W 48/16 (2009.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PROVISIONING DEVICE SPECIFIC WLAN CREDENTIALS**

[54] **PROCEDE ET SYSTEME DE FOURNITURE D'IDENTIFIANTS DE RESEAU LOCAL SPECIFIQUES A UN DISPOSITIF**

[72] MONTEMURRO, MICHAEL PETER, CA

[72] LEPP, JAMES RANDOLPH WINTER, CA

[72] MCCANN, STEPHEN, CA

[71] BLACKBERRY LIMITED, CA

[85] 2021-07-15

[86] 2019-10-29 (PCT/CA2019/051519)

[87] (WO2020/168410)

[30] US (16/281,783) 2019-02-21

[21] **3,126,868**
[13] A1

[51] **Int.Cl. B26D 1/44 (2006.01) B26D 3/26 (2006.01) B26D 11/00 (2006.01)**

[25] EN

[54] **A FOOD PROCESSING APPARATUS**

[54] **APPAREIL DE TRANSFORMATION D'ALIMENTS**

[72] DONAGHY, STEPHEN, GB

[71] DONAGHY ENGINEERING LTD, GB

[85] 2021-07-15

[86] 2019-12-20 (PCT/EP2019/086643)

[87] (WO2020/151893)

[30] GB (1900935.6) 2019-01-23

[21] **3,126,869**
[13] A1

[51] **Int.Cl. C07K 16/30 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **ANTIBODY**

[54] **ANTICORPS**

[72] BAX, HEATHER J., GB

[72] SPICER, JAMES F., GB

[72] JOSEPHS, DEBRA H., GB

[72] PELLIZZARI, GIULIA, GB

[72] KARAGIANNIS, SOPHIA N., GB

[71] KING'S COLLEGE LONDON, GB

[85] 2021-07-15

[86] 2020-01-17 (PCT/EP2020/051121)

[87] (WO2020/148425)

[30] GB (1900724.4) 2019-01-18

[21] **3,126,870**
[13] A1

[51] **Int.Cl. B26D 5/00 (2006.01) B26D 7/10 (2006.01) B67B 3/26 (2006.01) G01N 21/95 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR PROCESSING DRINKS CLOSURE CAPS**

[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT DE BOUCHONS POUR BOISSON**

[72] BRUNOLD, ATTILA, CH

[72] FRIEDL, PASCAL, CH

[72] HURLIMANN, MARTIN, CH

[72] KESSLER, SIMON, CH

[72] ROTH, DOMINIK, CH

[72] CHOQUARD, PASCAL, CH

[71] FINATEC HOLDING AG, CH

[71] PACKSYS GLOBAL AG, CH

[85] 2021-07-15

[86] 2020-01-17 (PCT/EP2020/051128)

[87] (WO2020/148428)

[30] DE (10 2019 101 207.4) 2019-01-17

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[21] **3,126,871**
[13] A1

[51] **Int.Cl. G06F 21/10 (2013.01) G06F 21/62 (2013.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DIGITAL RIGHTS MANAGEMENT PROCEDE ET SYSTEME POUR LA GESTION DES DROITS NUMERIQUES**
[72] GEVA, OREN GAD, CA
[72] CHOI, TIMOTHY, CA
[72] DAVIDOR, NILI, CA
[72] YITZHAIK, SHAI EFRAIM, CA
[72] KEDEM, GAL, CA
[72] ROZINSKY, SHARON, CA
[71] BLACKBERRY LIMITED, CA
[85] 2021-07-15
[86] 2019-10-29 (PCT/CA2019/051523)
[87] (WO2020/154791)
[30] US (16/259,633) 2019-01-28

[21] **3,126,873**
[13] A1

[51] **Int.Cl. A61M 16/06 (2006.01)**
[25] EN
[54] **NASAL INTERFACE APPARATUS WITH AIR ENTRAINMENT PORT OF ADJUSTABLE OPEN AREA**
[54] **DISPOSITIF D'INTERFACE NASALE AVEC ORIFICE D'ENTRAINEMENT D'AIR A SURFACE D'OUVERTURE REGLABLE**
[72] MARTIN, ANDREW, CA
[72] CHRISTIANSON, COLE, CA
[72] KATZ, IRA, CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[85] 2021-07-15
[86] 2020-01-17 (PCT/CA2020/050052)
[87] (WO2020/146953)
[30] US (62/794,268) 2019-01-18

[21] **3,126,875**
[13] A1

[51] **Int.Cl. A61K 8/67 (2006.01) A61K 8/9789 (2017.01) A61K 8/34 (2006.01) A61K 8/41 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **HIGH CONCENTRATION VITAMIN C TOPICAL COMPOSITIONS AND METHOD OF MAKING SAME**
[54] **COMPOSITIONS TOPIQUES A FORTE CONCENTRATION DE VITAMINE C ET LEUR PROCEDE DE FABRICATION**
[72] VIVIER, GHISLAIN, CA
[71] VIVIER CANADA INC., CA
[85] 2021-07-15
[86] 2020-02-07 (PCT/CA2020/050159)
[87] (WO2020/163942)
[30] US (62/804,304) 2019-02-12

[21] **3,126,872**
[13] A1

[51] **Int.Cl. B01D 53/06 (2006.01)**
[25] EN
[54] **DIRECT CARBON DIOXIDE CAPTURE FROM AIR**
[54] **CAPTURE DIRECTE DE DIOXYDE DE CARBONE DEPUIS L'AIR**
[72] DE NEVE, HANS, NL
[72] SOPPE, WILHELMUS JOZEF, NL
[72] PIETERSE, JOHANNIS ALOUISIUS ZACHARIAS, NL
[72] ELZINGA, GERARD DOUWE, NL
[72] FRIJTERS, CORNELIS HENDRIKUS, NL
[72] VAN DER WERF, CATHARINA HENRIETTE MARIA, NL
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPASTNATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
[85] 2021-07-15
[86] 2020-01-20 (PCT/EP2020/051298)
[87] (WO2020/148460)
[30] EP (19152632.6) 2019-01-18

[21] **3,126,874**
[13] A1

[51] **Int.Cl. H01F 5/02 (2006.01)**
[25] FR
[54] **ELECTRICAL COIL WITH LOW ACOUSTIC RADIATION**
[54] **BOBINE ELECTRIQUE A FAIBLE RAYONNEMENT ACOUSTIQUE**
[72] DAUCHEZ, NICOLAS, FR
[72] LANFRANCHI, VINCENT, FR
[72] GNING, PAUL, FR
[71] UNIVERSITE DE TECHNOLOGIE DE COMPIEGNE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] RTE RESEAU DE TRANSPORT D'ELECTRICITE, FR
[85] 2021-07-15
[86] 2020-01-28 (PCT/EP2020/052069)
[87] (WO2020/157081)
[30] FR (FR1900965) 2019-01-31

[21] **3,126,876**
[13] A1

[51] **Int.Cl. C08F 4/00 (2006.01) C04B 24/00 (2006.01) C04B 24/42 (2006.01) C04B 26/06 (2006.01) C04B 26/14 (2006.01) C04B 26/16 (2006.01) C04B 26/18 (2006.01) C04B 26/32 (2006.01) C08F 2/38 (2006.01) C08F 222/10 (2006.01)**
[25] EN
[54] **ACCELERATOR COMBINATION**
[54] **COMBINAISON D'ACCELERATEUR**
[72] GAEFKE, GERALD, DE
[72] GNASS, BEATE, DE
[72] BURGEL, THOMAS, DE
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2021-07-15
[86] 2020-03-04 (PCT/EP2020/055646)
[87] (WO2020/187565)
[30] EP (19163043.3) 2019-03-15

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<p style="text-align: center;">[21] 3,126,877 [13] A1</p> <p>[51] Int.Cl. A47L 11/28 (2006.01) [25] EN [54] METHOD AND APPARATUS FOR CONTROLLING MOPPING ROBOT, AND COMPUTER-READABLE STORAGE MEDIUM [54] PROCEDE ET APPAREIL DE COMMANDE POUR ROBOT DE NETTOYAGE, DISPOSITIF ET SUPPORT D'INFORMATIONS [72] WU, YIHAO, CN [72] WU, ZHUORUI, CN [72] ZHANG, YUPENG, CN [71] YUNJING INTELLIGENCE TECHNOLOGY (DONGGUAN) CO., LTD., CN [85] 2021-07-08 [86] 2019-11-20 (PCT/CN2019/119771) [87] (WO2020/143337) [30] CN (201910017398.2) 2019-01-08</p>	<p style="text-align: center;">[21] 3,126,879 [13] A1</p> <p>[51] Int.Cl. F16D 65/00 (2006.01) F16D 65/095 (2006.01) F16D 65/847 (2006.01) [25] EN [54] MULTI-PISTON-DEDICATED HEAT DISSIPATING CALIPER COVER WITH EASY INSTALLATION [54] COUVERCLE D'ETRIER A DISSIPATION DE CHALEUR DEDIE A PLUSIEURS PISTONS PRATIQUE A MONTER [72] ZHANG, JIANPING, CN [71] ZHANG, JIANPING, CN [85] 2021-07-15 [86] 2020-08-11 (PCT/CN2020/108470) [87] (WO2021/120643) [30] CN (201911295856.5) 2019-12-16</p>	<p style="text-align: center;">[21] 3,126,881 [13] A1</p> <p>[51] Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01) C12P 21/02 (2006.01) G01N 33/68 (2006.01) [25] EN [54] NOVEL BISPECIFIC ANTIBODY MOLECULE AND BISPECIFIC ANTIBODY SIMULTANEOUSLY BINDING TO PD-L1 AND LAG-3 [54] NOUVELLE MOLECULE D'ANTICORPS BISPECIFIQUE ET ANTICORPS BISPECIFIQUE COMBINANT SIMULTANEMENT PD-L1 ET LAG-3 [72] NI, HAIQING, CN [72] CHEN, BINGLIANG, CN [72] LIU, JUNJIAN, CN [71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD., CN [85] 2021-07-15 [86] 2020-01-23 (PCT/CN2020/073964) [87] (WO2020/151762) [30] CN (201910073261.9) 2019-01-25</p>
<p style="text-align: center;">[21] 3,126,878 [13] A1</p> <p>[51] Int.Cl. A61B 18/14 (2006.01) A61B 18/12 (2006.01) [25] EN [54] MULTI-ELECTRODE ABLATION DEVICE [54] DISPOSITIF D'ABLATION MULTIPOLAIRE [72] WANG, JIE, CN [71] SYMAP MEDICAL (SUZHOU), LTD, CN [85] 2021-07-15 [86] 2020-01-30 (PCT/CN2020/074075) [87] (WO2020/156496) [30] CN (201910089932.0) 2019-01-30 [30] CN (201910096490.2) 2019-01-31</p>	<p style="text-align: center;">[21] 3,126,880 [13] A1</p> <p>[51] Int.Cl. H04W 48/08 (2009.01) H04W 48/16 (2009.01) H04W 76/10 (2018.01) [25] EN [54] METHOD FOR REPORTING INTERFACE AVAILABILITY, METHOD FOR INDICATING INTERFACE AVAILABILITY, AND DEVICE [54] PROCEDES ET DISPOSITIFS DE COMPTE RENDU ET D'INDICATION DE DISPONIBILITE D'INTERFACE [72] LIANG, JING, CN [72] ZHENG, QIAN, CN [71] VIVO MOBILE COMMUNICATION CO., LTD., CN [85] 2021-07-15 [86] 2020-01-17 (PCT/CN2020/072734) [87] (WO2020/147832) [30] CN (201910049884.2) 2019-01-18</p>	<p style="text-align: center;">[21] 3,126,882 [13] A1</p> <p>[51] Int.Cl. H04N 19/52 (2014.01) [25] EN [54] INTRA BLOCK COPY MERGE LIST SIMPLIFICATION [54] SIMPLIFICATION DE LISTE DE FUSION DE COPIE INTRA-BLOC [72] LIN, YU-CHENG, CN [72] CHEN, CHUN-CHIA, CN [72] HSU, CHIH-WEI, CN [71] MEDIATEK INC., CN [85] 2021-07-15 [86] 2020-02-21 (PCT/CN2020/076174) [87] (WO2020/169082) [30] US (62/808,940) 2019-02-22 [30] US (16/795,491) 2020-02-19</p>

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[21] **3,126,883**
[13] A1

[51] **Int.Cl. B63B 59/04 (2006.01) B08B 17/02 (2006.01) B63B 59/08 (2006.01)**

[25] EN

[54] **ANTI-BIOFOULING ARRANGEMENT AND METHOD OF DESIGNING SUCH AN ARRANGEMENT**

[54] **AGENCEMENT ANTI-ENCRASSEMENT BIOLOGIQUE ET PROCEDE DE CONCEPTION D'UN TEL AGENCEMENT**

[72] HIETBRINK, ROELANT
BOUDEWIJN, NL

[72] NIESSEN, EDUARD MATHEUS
JOHANNES, NL

[72] SCHUDELARO, ANTONIUS
ADRIANUS PETRUS, NL

[71] KONINKLIJKE PHILIPS N.V., NL

[85] 2021-07-15

[86] 2020-01-16 (PCT/EP2020/051013)

[87] (WO2020/148377)

[30] EP (19152510.4) 2019-01-18

[21] **3,126,884**
[13] A1

[51] **Int.Cl. A61K 38/16 (2006.01) A61K 48/00 (2006.01) A61P 27/16 (2006.01)**

[25] EN

[54] **AAV-MEDIATED GENE THERAPY RESTORING THE OTOFERLIN GENE**

[54] **THERAPIE GENIQUE MEDIEE PAR VECTEUR AAV RESTAURANT LE GENE DE L'OTOFERLINE**

[72] SAFIEDDINE, SAAID, FR

[72] PETIT, CHRISTINE, FR

[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR

[71] INSTITUT PASTEUR, FR

[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR

[85] 2021-07-15

[86] 2020-01-20 (PCT/EP2020/051283)

[87] (WO2020/148458)

[30] EP (19305071.3) 2019-01-18

[21] **3,126,885**
[13] A1

[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/594 (2006.01) E21B 43/16 (2006.01)**

[25] EN

[54] **INJECTION FLUIDS COMPRISING ALKOXYLATED ALCOHOLS AND THE USE OF SUCH FLUIDS IN OIL RECOVERY PROCESSES**

[54] **FLUIDES D'INJECTION COMPRENANT DES ALCOOLS ALCOXYLES ET UTILISATION DE TELS FLUIDES DANS DES PROCEDES DE RECUPERATION D'HUILE**

[72] ROMMERSKIRCHEN, RENKE, DE

[72] SOTTMANN, THOMAS, DE

[72] BILGILI, HARUN, DE

[72] FISCHER, JULIAN, DE

[71] SASOL CHEMICALS GMBH, DE

[85] 2021-07-15

[86] 2020-02-18 (PCT/EP2020/054261)

[87] (WO2020/169618)

[30] EP (19158014.1) 2019-02-19

[21] **3,126,886**
[13] A1

[51] **Int.Cl. C12N 15/79 (2006.01) A61K 48/00 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **LIVER-SPECIFIC INDUCIBLE PROMOTERS AND METHODS OF USE THEREOF**

[54] **PROMOTEURS INDUCTIBLES SPECIFIQUES DU FOIE ET LEURS PROCEDES D'UTILISATION**

[72] ROBERTS, MICHAEL, GB

[72] WHYTESIDE, GRAHAM, GB

[72] BRAAE, ANNE, GB

[71] SYNPROMICS LIMITED, GB

[85] 2021-07-15

[86] 2020-01-20 (PCT/GB2020/050107)

[87] (WO2020/148555)

[30] GB (1900741.8) 2019-01-18

[21] **3,126,887**
[13] A1

[51] **Int.Cl. A61K 38/19 (2006.01) A61K 31/231 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF CANCER**

[54] **METHODES ET COMPOSITIONS DE TRAITEMENT DU CANCER**

[72] SOHN, KI-YOUNG, KR

[72] KIM, JAE WHA, KR

[72] YOON, SUN YOUNG, KR

[71] ENZYCHEM LIFESCIENCES CORPORATION, KR

[85] 2021-07-15

[86] 2019-01-16 (PCT/IB2019/000062)

[87] (WO2020/148562)

[21] **3,126,888**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 47/18 (2017.01) A61K 47/34 (2017.01) A61K 47/42 (2017.01)**

[25] EN

[54] **DRUG DELIVERY SYSTEM**

[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT**

[72] DE COGAN, FELICITY, GB

[72] PEACOCK, ANNA, GB

[72] NIKOI, NAA DEI, GB

[71] THE UNIVERSITY OF BIRMINGHAM, GB

[85] 2021-07-15

[86] 2020-01-20 (PCT/GB2020/050108)

[87] (WO2020/148556)

[30] GB (1900728.5) 2019-01-18

[21] **3,126,889**
[13] A1

[51] **Int.Cl. G01S 13/36 (2006.01) G01B 9/02 (2006.01) G01S 13/536 (2006.01) G01S 17/36 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR INTERFEROMETRIC RANGE MEASUREMENTS**

[54] **PROCEDE ET DISPOSITIF POUR DES MESURES DE PORTEE INTERFEROMETRIQUE**

[72] MADISON, KIRK W., CA

[72] HERZOG, KYZYL, CA

[71] ILLUSENSE, INC., CA

[85] 2021-07-15

[86] 2019-02-28 (PCT/IB2019/000193)

[87] (WO2019/166876)

[30] US (62/636,422) 2018-02-28

[30] US (62/721,344) 2018-08-22

PCT Applications Entering the National Phase

[21] **3,126,890**
[13] A1

[51] **Int.Cl. B25B 13/06 (2006.01) B25B 15/00 (2006.01) B25B 23/08 (2006.01)**

[25] EN

[54] **ANTI-SLIP FASTENER REMOVER TOOL**

[54] **OUTIL DE RETRAIT DE DISPOSITIF DE FIXATION ANTI-DERAPANT**

[72] KUKUCKA, PAUL, US

[72] KUKUCKA, THOMAS STEFAN, US

[71] GRIP HOLDINGS LLC, US

[85] 2021-07-15

[86] 2019-10-04 (PCT/IB2019/058489)

[87] (WO2020/152516)

[30] US (16/255,341) 2019-01-23

[30] US (16/548,470) 2019-08-22

[21] **3,126,891**
[13] A1

[51] **Int.Cl. B65D 75/32 (2006.01) A45C 11/00 (2006.01) B65D 21/02 (2006.01)**

[25] EN

[54] **TESSELLATING BLISTER PACKAGES FOR CONTACT LENSES**

[54] **EMBALLAGES-COQUES EN MOSAIQUE POUR LENTILLES DE CONTACT**

[72] ALMOND, SARAH, GB

[72] ORTIZ, CARLOS, US

[72] ENGLISH, STEPHEN, GB

[72] HUNT, GARY, GB

[72] NELSON, MIKE, GB

[72] BEARD, RUSSELL, GB

[72] HARKIN, THOMAS, GB

[72] GAVELLE, PAULINE, GB

[71] COOPERVISION INTERNATIONAL LIMITED, GB

[85] 2021-07-15

[86] 2020-01-20 (PCT/GB2020/050115)

[87] (WO2020/152447)

[30] US (62/795,309) 2019-01-22

[21] **3,126,892**
[13] A1

[51] **Int.Cl. A43B 7/14 (2006.01) A43B 7/02 (2006.01) A43B 17/00 (2006.01)**

[25] EN

[54] **AN INSOLE FOR A FOOTWEAR SEMELLE DE PROPLETE POUR UN ARTICLE CHAUSSANT**

[72] BRACKENBURY, WADE O' BRIEN, US

[71] VIBRANT TECHNOLOGY PTE. LTD., SG

[85] 2021-07-15

[86] 2019-11-04 (PCT/IB2019/059424)

[87] (WO2020/157549)

[30] VN (1-2019-00547) 2019-01-29

[21] **3,126,893**
[13] A1

[51] **Int.Cl. B23D 59/00 (2006.01) B27G 19/04 (2006.01)**

[25] EN

[54] **A GUIDE FOR A CUTTING TOOL GUIDE POUR OUTIL DE COUPE**

[72] EAMES, JAMES ALEN, GB

[71] B-EAMES CUTTING GUIDE LIMITED, GB

[85] 2021-07-15

[86] 2020-01-15 (PCT/IB2020/050307)

[87] (WO2020/148675)

[30] GB (1900550.3) 2019-01-15

[21] **3,126,894**
[13] A1

[51] **Int.Cl. A61B 17/24 (2006.01) A61B 17/32 (2006.01)**

[25] EN

[54] **ULTRASONIC SURGICAL IRRIGATION SLEEVE AND RELATED ASSEMBLIES MANCHON D'IRRIGATION CHIRURGICALE ULTRASONORE ET ENSEMBLES ASSOCIES**

[72] YAMAMOTO, MASAYA, JP

[72] GRAS, GUILLAUME, CH

[72] OTA, HIDEFUMI, JP

[71] STRYKER EUROPEAN OPERATIONS LIMITED, IE

[85] 2021-07-15

[86] 2020-01-15 (PCT/IB2020/050314)

[87] (WO2020/148681)

[30] US (62/792,571) 2019-01-15

[21] **3,126,895**
[13] A1

[51] **Int.Cl. D04H 1/435 (2012.01) B01D 46/00 (2006.01) B23B 5/08 (2006.01) B23B 5/26 (2006.01) B32B 27/36 (2006.01) D01F 8/14 (2006.01)**

[25] EN

[54] **MULTI-LAYER, BIODEGRADABLE COMPOSITES FOR AIR FILTRATION COMPOSITES BIODEGRADABLES, MULTICOUCHES POUR FILTRATION D'AIR**

[72] ZHANG, ZHIQUN, US

[72] BERRIGAN, MICHAEL R., US

[72] KADOMA, IGNATIUS A., US

[72] GERHARDT, BRYAN L., US

[72] SONG, LIMING, US

[72] STELTER, JOHN D., US

[72] BECKER, ZACKARY J., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2021-07-15

[86] 2020-01-17 (PCT/IB2020/050361)

[87] (WO2020/152551)

[30] US (62/794,900) 2019-01-21

[21] **3,126,896**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) C07K 16/28 (2006.01)**

[25] EN

[54] **METHODS FOR SELECTIVE IN VIVO EXPANSION OF .GAMMA. .DELTA. T-CELL POPULATIONS AND COMPOSITIONS THEREOF METHODES D'EXPANSION SELECTIVE IN VIVO DE POPULATIONS DE LYMPHOCYTES T GAMMA DELTA ET COMPOSITIONS ASSOCIEES**

[72] JAKOBOVITS, AYA, US

[72] SATPAYEV, DAULET, US

[72] FOORD, ORIT, US

[72] JING, YIFENG, FRANK, US

[72] SHAO, HUI, US

[71] ADICET BIO, INC., US

[85] 2021-06-02

[86] 2019-12-03 (PCT/US2019/064319)

[87] (WO2020/117862)

[30] US (62/774,817) 2018-12-03

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[21] **3,126,897**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61J 1/05 (2006.01) A61J 1/20 (2006.01) A61K 31/047 (2006.01) A61P 1/10 (2006.01) B65D 21/02 (2006.01) B65D 75/58 (2006.01)**

[25] EN
[54] **COMPOSITION AND CONTAINER, KIT, METHOD OF USE**
[54] **COMPOSITION ET RECIPIENT, KIT, PROCEDE D'UTILISATION**

[72] MARCELLONI, LUCIANO, IT
[72] BERTOCCHI, FEDERICO, IT
[71] NTC S.R.L., IT
[85] 2021-07-15
[86] 2020-02-26 (PCT/IB2020/051655)
[87] (WO2020/174425)
[30] IT (102019000002859) 2019-02-27

[21] **3,126,898**
[13] A1

[51] **Int.Cl. B29C 70/36 (2006.01)**

[25] EN
[54] **ARTICULATED FORMING CAUL FOR COMPOSITE BLANK VACUUM FORMING**
[54] **PLAQUE DE PRESSE DE FORMAGE ARTICULEE POUR LE FORMAGE D'EBAUCHES COMPOSITES SOUS VIDE**

[72] YOUSEFPOUR, ALI, CA
[72] DJOKIC, DRAZEN, CA
[72] HIND, SIMON, CA
[72] RAHMAT, MEYSAM, CA
[72] ROY, STEVEN, CA
[72] OCTEAU, MARC-ANDRE, CA
[72] CHEN, JIHUA, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2021-07-15
[86] 2020-01-24 (PCT/IB2020/050580)
[87] (WO2020/152652)
[30] US (62/796,789) 2019-01-25

[21] **3,126,899**
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61J 3/02 (2006.01) A61K 9/00 (2006.01) A61K 9/16 (2006.01) B65D 75/00 (2006.01) B65D 81/32 (2006.01)**

[25] EN
[54] **METHOD FOR FILLING CONTAINERS WITH A POWDER**
[54] **PROCEDE DE REMPLISSAGE DE RECIPIENTS AVEC UNE POUDRE**

[72] MARCELLONI, LUCIANO, IT
[72] BERTOCCHI, FEDERICO, IT
[71] NTC S.R.L., IT
[85] 2021-07-15
[86] 2020-02-26 (PCT/IB2020/051650)
[87] (WO2020/174423)
[30] IT (102019000002857) 2019-02-27

[21] **3,126,900**
[13] A1

[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/26 (2006.01) C12M 1/34 (2006.01) C12N 1/12 (2006.01)**

[25] EN
[54] **SCALABLE PRODUCTION AND CULTIVATION SYSTEMS FOR PHOTOSYNTHETIC MICROORGANISMS**
[54] **SYSTEMES DE PRODUCTION ET DE CULTURE EVOLUTIFS POUR MICRO-ORGANISMES PHOTOSYNTHETIQUES**

[72] ASHKENAZI, EREZ, IL
[72] BAR-GIL, AMIKAM, IL
[72] AVRON, MOSHE, IL
[71] YEMOJA LTD., IL
[85] 2021-07-15
[86] 2020-01-14 (PCT/IL2020/050058)
[87] (WO2020/148756)
[30] US (62/792,539) 2019-01-15

[21] **3,126,901**
[13] A1

[51] **Int.Cl. F16C 17/06 (2006.01) F16C 27/02 (2006.01) F16C 37/00 (2006.01)**

[25] EN
[54] **THRUST FOIL BEARING**
[54] **PALIER A FEUILLE DE POUSSEE**

[72] OMORI, NAOMICHI, JP
[71] IHI CORPORATION, JP
[85] 2021-07-15
[86] 2019-12-26 (PCT/JP2019/051147)
[87] (WO2020/149137)
[30] JP (2019-005790) 2019-01-17

[21] **3,126,902**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 38/48 (2006.01) C07K 16/40 (2006.01) C12N 9/64 (2006.01) G01N 33/50 (2006.01) G01N 33/574 (2006.01)**

[25] EN
[54] **ANTI-MATRIX METALLOPROTEINASE 7 (MMP-7) INHIBITORY ANTIBODY AND USES THEREOF**
[54] **ANTICORPS INHIBITEUR ANTI-METALLOPROTEINASE MATRICIELLE 7 (MMP-7) ET UTILISATIONS ASSOCIEES**

[72] SAGI, IRIT, IL
[72] MOHAN, VISHNU, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[85] 2021-07-15
[86] 2020-02-10 (PCT/IL2020/050158)
[87] (WO2020/161724)
[30] IL (264768) 2019-02-10

[21] **3,126,903**
[13] A1

[51] **Int.Cl. F16C 17/06 (2006.01) F16C 27/02 (2006.01)**

[25] EN
[54] **THRUST FOIL BEARING**
[54] **PALIER A FEUILLES DE POUSSEE**

[72] OMORI, NAOMICHI, JP
[71] IHI CORPORATION, JP
[85] 2021-07-15
[86] 2020-01-09 (PCT/JP2020/000393)
[87] (WO2020/149200)
[30] JP (2019-006812) 2019-01-18

[21] **3,126,904**
[13] A1

[51] **Int.Cl. F16C 17/06 (2006.01) F16C 27/02 (2006.01)**

[25] EN
[54] **THRUST FOIL BEARING**
[54] **PALIER DE BUTEE A PLAQUETTES**

[72] OMORI, NAOMICHI, JP
[71] IHI CORPORATION, JP
[85] 2021-07-15
[86] 2020-01-20 (PCT/JP2020/001779)
[87] (WO2020/149421)
[30] JP (2019-006811) 2019-01-18

PCT Applications Entering the National Phase

[21] **3,126,905**
[13] A1

[51] **Int.Cl. G06N 3/08 (2006.01)**
[25] EN
[54] **DATA PROCESSING DEVICE, DATA PROCESSING SYSTEM, AND DATA PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES, SYSTEME DE TRAITEMENT DE DONNEES ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] MINEZAWA, AKIRA, JP
[72] SUGIMOTO, KAZUO, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2021-07-15
[86] 2019-02-28 (PCT/JP2019/007826)
[87] (WO2020/174658)

[21] **3,126,906**
[13] A1

[51] **Int.Cl. D02G 3/38 (2006.01) D03D 15/00 (2021.01) D06C 7/00 (2006.01) D06M 11/00 (2006.01)**
[25] EN
[54] **WOVEN FABRIC, METHOD FOR PRODUCING SAME, AND FIBER PRODUCT CONTAINING SAID WOVEN FABRIC**
[54] **TISSU TISSE, SON PROCEDE DE FABRICATION ET PRODUIT FIBREUX CONTENANT LEDIT TISSU TISSE**
[72] KOZUKA, KAZUNORI, JP
[72] ONISHI, TOMOYA, JP
[71] ASAHI KASEI KABUSHIKI KAISHA, JP
[85] 2021-07-15
[86] 2020-02-07 (PCT/JP2020/004957)
[87] (WO2020/162624)
[30] JP (2019-022012) 2019-02-08

[21] **3,126,907**
[13] A1

[51] **Int.Cl. A61K 31/664 (2006.01) A61K 9/107 (2006.01) A61K 9/127 (2006.01) A61K 31/665 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **USE OF P1P DERIVATIVE AS THERAPEUTIC AGENT FOR SEPSIS**
[54] **UTILISATION D'UN DERIVE DE P1P EN TANT QU'AGENT THERAPEUTIQUE POUR LA SEPTICEMIE**
[72] LEE, JEONG MIN, KR
[72] KIM, SU JIN, KR
[72] HAN, WON KYO, KR
[72] PARK, YOUNG JUN, KR
[72] CHOI, MYEONG JUN, KR
[71] AXCESO BIOPHARMA CO.,LTD., KR
[85] 2021-07-15
[86] 2020-01-29 (PCT/KR2020/001377)
[87] (WO2020/159233)
[30] KR (10-2019-0011742) 2019-01-30

[21] **3,126,908**
[13] A1

[51] **Int.Cl. F16K 15/06 (2006.01) F16K 15/02 (2006.01) F16K 17/04 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR DETECTING SAFE OPERATING CONDITIONS AND MAINTAINED INTEGRITY IN A PRESSURE SAFETY VALVE**
[54] **SYSTEME ET PROCEDE POUR DETECTER DES CONDITIONS DE FONCTIONNEMENT SURES ET UNE INTEGRITE MAINTENUE DANS UNE SOUPEPE DE SURETE DE PRESSION**
[72] ROALD, ARNE OLE, NO
[72] DYRDAL, KNUT ARE, NO
[71] IDEATION AS, NO
[85] 2021-07-15
[86] 2020-01-16 (PCT/NO2020/050006)
[87] (WO2020/149748)
[30] NO (20190050) 2019-01-16

[21] **3,126,909**
[13] A1

[51] **Int.Cl. B65D 1/02 (2006.01) B65D 79/00 (2006.01)**
[25] EN
[54] **VERTICAL DISPLACEMENT CONTAINER BASE**
[54] **BASE DE RECIPIENT A DEPLACEMENT VERTICAL**
[72] LANE, MICHAEL T., US
[72] STELZER, JAMES, US
[71] AMCOR RIGID PACKAGING USA, LLC, US
[85] 2021-07-15
[86] 2019-01-15 (PCT/US2019/013646)
[87] (WO2020/149832)

[21] **3,126,910**
[13] A1

[51] **Int.Cl. E04B 5/26 (2006.01) E04C 2/10 (2006.01) E04C 2/16 (2006.01) E04C 5/18 (2006.01)**
[25] EN
[54] **LAMINATED BAMBOO PLATFORM AND CONCRETE COMPOSITE SLAB SYSTEM**
[54] **PLATE-FORME EN BAMBOU STRATIFIE ET SYSTEME DE DALLE DE BETON COMPOSITE**
[72] SLAVEN, JR., LELAND, US
[72] KNIGHT, DAVID, US
[71] RESOURCE FIBER LLC, US
[85] 2021-07-15
[86] 2019-01-15 (PCT/US2019/013713)
[87] (WO2019/143638)
[30] US (62/619,615) 2018-01-19
[30] US (62/715,162) 2018-08-06
[30] US (16/226,340) 2018-12-19

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[21] **3,126,911**
[13] A1

[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/5377 (2006.01) A61P 1/10 (2006.01) A61P 11/00 (2006.01) A61P 27/02 (2006.01) C07D 413/04 (2006.01)**

[25] EN

[54] **COMPOUNDS AND COMPOSITIONS FOR THE TREATMENT OF CYSTIC FIBROSIS**

[54] **COMPOSES ET COMPOSITIONS POUR LE TRAITEMENT DE LA FIBROSE KYSTIQUE**

[72] BANDIERA, TIZIANO, IT

[72] BERTOZZI, FABIO, IT

[72] ZAETTA, GIORGIA, IT

[72] SORANA, FEDERICO, IT

[72] CACI, EMANUELA, IT

[72] FERRERA, LORETTA, IT

[72] PEDEMONTE, NICOLETTA, IT

[72] GALIETTA, LUIS JUAN VICENTE, IT

[71] FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA, IT

[71] ISTITUTO GIANNINA GASLINI, IT

[71] FONDAZIONE PER LA RICERCA SULLA FIBROSI CISTICA-ON-LUS, IT

[85] 2021-07-15

[86] 2020-01-16 (PCT/IB2020/050350)

[87] (WO2020/148703)

[30] IT (102019000000687) 2019-01-16

[21] **3,126,912**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01)**

[25] EN

[54] **MEMORIES OF FLUIDIC DIES**

[54] **MEMOIRES DE PUCES FLUIDIQUES**

[72] NG, BOON BING, US

[72] NESS, ERIK D., US

[72] GARDNER, JAMES MICHAEL, US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-15

[86] 2019-02-06 (PCT/US2019/016780)

[87] (WO2020/162910)

[21] **3,126,913**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01) B41J 2/175 (2006.01) B41J 2/21 (2006.01) G06F 12/06 (2006.01) G11C 7/16 (2006.01) G11C 13/00 (2006.01)**

[25] EN

[54] **PRINT COMPONENT WITH MEMORY CIRCUIT**

[54] **COMPOSANT D'IMPRESSION A CIRCUIT DE MEMOIRE**

[72] GARDNER, JAMES MICHAEL, US

[72] NG, BOON BING, US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-15

[86] 2019-07-31 (PCT/US2019/044446)

[87] (WO2020/162969)

[30] US (PCT/US2019/016817) 2019-02-06

[30] US (PCT/US2019/016725) 2019-02-06

[21] **3,126,914**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01) B41J 2/175 (2006.01) B41J 2/21 (2006.01) G06F 12/06 (2006.01) G11C 13/00 (2006.01)**

[25] EN

[54] **PRINT COMPONENT WITH MEMORY CIRCUIT**

[54] **COMPOSANT D'IMPRESSION AVEC CIRCUIT DE MEMOIRE**

[72] NG, BOON BING, US

[72] GARDNER, JAMES MICHAEL, US

[72] LINN, SCOTT A., US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-15

[86] 2019-07-31 (PCT/US2019/044507)

[87] (WO2020/162971)

[30] US (PCT/US2019/016817) 2019-02-06

[30] US (PCT/US2019/016725) 2019-02-06

[21] **3,126,917**
[13] A1

[51] **Int.Cl. C07K 1/107 (2006.01) C07K 7/06 (2006.01) C07K 7/64 (2006.01)**

[25] EN

[54] **CYCLIC PEPTIDE DIMERS**

[54] **DIMERES PEPTIDIQUES CYCLIQUES**

[72] LIPKIN, GEORGE, US

[72] ROSENBERG, MARTIN, US

[71] NEW YORK UNIVERSITY, US

[85] 2021-07-14

[86] 2020-01-14 (PCT/US2020/013564)

[87] (WO2020/150275)

[30] US (62/792,139) 2019-01-14

[21] **3,126,915**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01) B41J 2/175 (2006.01) B41J 2/21 (2006.01) G11C 13/00 (2006.01)**

[25] EN

[54] **PRINT COMPONENT WITH MEMORY CIRCUIT**

[54] **COMPOSANT D'IMPRESSION A CIRCUIT DE MEMOIRE**

[72] GARDNER, JAMES MICHAEL, US

[72] NG, BOON BING, US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-15

[86] 2019-07-31 (PCT/US2019/044520)

[87] (WO2020/162972)

[30] US (PCT/US2019/016817) 2019-02-06

[30] US (PCT/US2019/016725) 2019-02-06

[21] **3,126,916**
[13] A1

[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/12 (2006.01) A61K 31/122 (2006.01)**

[25] EN

[54] **ORAL DISINTEGRATING FILMS FOR CANNABIS PRODUCTS**

[54] **FILMS A DESINTEGRATION ORALE POUR PRODUITS DE CANNABIS**

[72] KAUR, HARPREET, CA

[71] TILRAY, INC., US

[85] 2021-07-14

[86] 2020-01-14 (PCT/US2020/013506)

[87] (WO2020/150233)

[30] US (62/792,298) 2019-01-14

[21] **3,126,917**
[13] A1

[51] **Int.Cl. C07K 1/107 (2006.01) C07K 7/06 (2006.01) C07K 7/64 (2006.01)**

[25] EN

[54] **CYCLIC PEPTIDE DIMERS**

[54] **DIMERES PEPTIDIQUES CYCLIQUES**

[72] LIPKIN, GEORGE, US

[72] ROSENBERG, MARTIN, US

[71] NEW YORK UNIVERSITY, US

[85] 2021-07-14

[86] 2020-01-14 (PCT/US2020/013564)

[87] (WO2020/150275)

[30] US (62/792,139) 2019-01-14

PCT Applications Entering the National Phase

[21] **3,126,918**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/113 (2010.01) A61P 25/28 (2006.01) C12Q 1/68 (2018.01) G01N 33/50 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR RESTORING STMN2 LEVELS**

[54] **PROCEDES ET COMPOSITIONS POUR RESTAURER LES TAUX DE STMN2**

[72] EGGAN, KEVIN C., US

[72] KLIM, JOSEPH ROBERT, US

[72] LIMONE, FRANCESCO, US

[72] GUERRA SAN JUAN, IRUNE, US

[72] LIMONE, FRANCESCO, US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[85] 2021-07-14

[86] 2020-01-14 (PCT/US2020/013581)

[87] (WO2020/150290)

[30] US (62/792,276) 2019-01-14

[21] **3,126,919**
[13] A1

[51] **Int.Cl. B41J 2/135 (2006.01) B41J 2/045 (2006.01) B41J 2/175 (2006.01) G06F 3/12 (2006.01)**

[25] EN

[54] **DATA PACKETS COMPRISING RANDOM NUMBERS FOR CONTROLLING FLUID DISPENSING DEVICES**

[54] **PAQUETS DE DONNEES COMPRENANT DES NOMBRES ALEATOIRES POUR COMMANDER DES DISPOSITIFS DE DISTRIBUTION DE FLUIDE**

[72] ROSSI, JOHN, US

[72] NESS, ERIK D., US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-15

[86] 2019-02-06 (PCT/US2019/016734)

[87] (WO2020/162894)

[21] **3,126,920**
[13] A1

[51] **Int.Cl. B41J 2/045 (2006.01) B41J 2/175 (2006.01) B41J 2/21 (2006.01) G06F 12/06 (2006.01) G11C 13/00 (2006.01)**

[25] EN

[54] **PRINT COMPONENT WITH MEMORY CIRCUIT**

[54] **COMPOSANT D'IMPRESSION A CIRCUIT DE MEMOIRE**

[72] NG, BOON BING, US

[72] GARDNER, JAMES MICHAEL, US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2021-07-15

[86] 2019-07-31 (PCT/US2019/044494)

[87] (WO2020/162970)

[30] US (PCT/US2019/016817) 2019-02-06

[30] US (PCT/US2019/016725) 2019-02-06

[21] **3,126,921**
[13] A1

[51] **Int.Cl. C08F 2/34 (2006.01) C08F 210/16 (2006.01) C08F 4/64 (2006.01) C08F 4/6592 (2006.01)**

[25] EN

[54] **METHOD OF CHANGING MELT RHEOLOGY PROPERTY OF BIMODAL POLYETHYLENE POLYMER**

[54] **PROCEDE DE MODIFICATION DE LA PROPRIETE DE RHEOLOGIE A L'ETAT FONDU D'UN POLYMER DE POLYETHYLENE BIMODAL**

[72] HE, CHUAN, US

[72] LYNN, TIMOTHY R., US

[72] REIB, ROBERT N., US

[72] LIU, BO, US

[71] UNIVATION TECHNOLOGIES, LLC, US

[85] 2021-07-15

[86] 2019-08-21 (PCT/US2019/047433)

[87] (WO2020/046664)

[21] **3,126,922**
[13] A1

[51] **Int.Cl. H04B 7/185 (2006.01) H04B 7/26 (2006.01)**

[25] EN

[54] **BASE STATION LOAD BALANCING**

[54] **EQUILIBRAGE DE CHARGE DE STATION DE BASE**

[72] ZHANG, HANHUI, US

[72] WU, XIAOMING, US

[71] HUGHES NETWORK SYSTEMS, LLC, US

[85] 2021-07-15

[86] 2020-01-07 (PCT/US2020/012440)

[87] (WO2020/154089)

[30] US (16/255,437) 2019-01-23

[21] **3,126,923**
[13] A1

[51] **Int.Cl. B65B 9/06 (2012.01)**

[25] EN

[54] **PACKAGING METHOD AND LINE FOR IMPROVED FINISHED PRODUCT**

[54] **PROCEDE D'EMBALLAGE ET LIGNE POUR PRODUIT FINI AMELIORE**

[72] HYSKA, DAVID J., US

[72] ODEGARD, JOHN C., US

[72] DUNSTAN, JR., ROBERT J., US

[72] CHRISTMAN, BRIAN L., US

[71] PAPER CONVERTING MACHINE COMPANY, US

[85] 2021-07-15

[86] 2020-01-07 (PCT/US2020/012474)

[87] (WO2020/154090)

[30] US (62/795,128) 2019-01-22

[30] US (16/442,055) 2019-06-14

[30] US (16/674,294) 2019-11-05

Demandes PCT entrant en phase nationale

<p style="text-align: center;">[21] 3,126,924 [13] A1</p> <p>[51] Int.Cl. G16H 40/60 (2018.01) [25] EN [54] AUGMENTED REALITY-BASED TRAINING AND TROUBLESHOOTING FOR MEDICAL DEVICES</p> <p>[54] APPRENTISSAGE ET DIAGNOSTIC DE PANNES A BASE DE REALITE AUGMENTEE DE DISPOSITIFS MEDICAUX</p> <p>[72] PLAHEY, KULWINDER S., US [72] MERCHANT, STEPHEN A., US [72] PETERSON, JAMES, US [72] COHEN, HARVEY, US [72] BURACZENSKI, MATTHEW, US [72] TREMBLAY, JOHN E., US [71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US [85] 2021-07-15 [86] 2020-01-07 (PCT/US2020/012479) [87] (WO2020/154091) [30] US (16/258,020) 2019-01-25</p>	<p style="text-align: center;">[21] 3,126,926 [13] A1</p> <p>[51] Int.Cl. A61B 17/00 (2006.01) A61B 17/04 (2006.01) A61F 2/24 (2006.01) A61M 39/22 (2006.01)</p> <p>[25] EN [54] MECHANICAL SUTURE FASTENER</p> <p>[54] DISPOSITIF DE FIXATION MECANIQUE DE SUTURE</p> <p>[72] SAUER, JUDE S., US [72] PATTI, JASON C., US [71] LSI SOLUTIONS, INC., US [85] 2021-07-15 [86] 2020-01-14 (PCT/US2020/013430) [87] (WO2020/150184) [30] US (62/793,352) 2019-01-16</p>	<p style="text-align: center;">[21] 3,126,928 [13] A1</p> <p>[51] Int.Cl. A61B 5/11 (2006.01) A61B 5/318 (2021.01) A61B 5/0205 (2006.01) A61B 5/026 (2006.01) A61B 5/0295 (2006.01)</p> <p>[25] EN [54] SYSTEMS, DEVICES, AND METHODS FOR DETECTING BRAIN CONDITIONS FROM CRANIAL MOVEMENT DUE TO BLOOD FLOW IN THE BRAIN</p> <p>[54] SYSTEMES, DISPOSITIFS, ET METHODES DE DETECTION D'ETATS CEREBRAUX A PARTIR D'UN MOUVEMENT CRANIEN DU AU FLUX DU SANG DANS LE CERVEAU</p> <p>[72] SMITH, WADE, US [72] LOVOI, PAUL, US [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US [85] 2021-07-15 [86] 2020-01-16 (PCT/US2020/013947) [87] (WO2020/150521) [30] US (62/793,767) 2019-01-17</p>
<p style="text-align: center;">[21] 3,126,925 [13] A1</p> <p>[51] Int.Cl. A61K 31/505 (2006.01) A61K 31/513 (2006.01) A61P 13/08 (2006.01) C07D 239/52 (2006.01) C07D 239/54 (2006.01)</p> <p>[25] EN [54] DEUTERATED ELAGOLIX-LIKE COMPOSITIONS AND METHODS</p> <p>[54] COMPOSITIONS DEUTEREES DE TYPE ELAGOLIX ET METHODES</p> <p>[72] GAREGNANI, JAMES, US [72] HART, NICHOLAS, US [72] HOLL, RICHARD, US [71] LUPIN INC., US [85] 2021-07-15 [86] 2020-01-13 (PCT/US2020/013402) [87] (WO2020/150170) [30] US (62/792,822) 2019-01-15</p>	<p style="text-align: center;">[21] 3,126,927 [13] A1</p> <p>[51] Int.Cl. G06F 3/01 (2006.01) G06Q 30/02 (2012.01) G06F 15/16 (2006.01) G06Q 50/00 (2012.01)</p> <p>[25] EN [54] SELECTIVELY PROMPTING MATCHED INDIVIDUALS TO INITIATE AN IN-PERSON MEETING</p> <p>[54] INVITE SELECTIVE A DES INDIVIDUS MIS EN CORRESPONDANCE POUR INITIER UNE RENCONTRE EN PERSONNE</p> <p>[72] ANGAPOVA, NATALIA, GB [72] KNEELAND, JOHN, GB [72] STOTT, CLAIRE, GB [71] AMI HOLDINGS LIMITED, BM [85] 2021-07-15 [86] 2020-01-14 (PCT/US2020/013435) [87] (WO2020/150186) [30] US (62/792,606) 2019-01-15</p>	<p style="text-align: center;">[21] 3,126,929 [13] A1</p> <p>[51] Int.Cl. A61K 31/517 (2006.01) C07D 217/14 (2006.01) C07D 217/16 (2006.01)</p> <p>[25] EN [54] FIBROBLASTS AND MICROVESICLES THEREOF FOR REDUCTION OF TOXICITY ASSOCIATED WITH CANCER IMMUNOTHERAPY</p> <p>[54] FIBROBLASTES ET MICROVESICULES CORRESPONDANTES POUR LA REDUCTION DE LA TOXICITE ASSOCIEE A L'IMMUNOTHERAPIE ANTICANCEREUSE</p> <p>[72] O'HEERON, PETE, US [72] ICHIM, THOMAS, US [71] FIGENE, LLC, US [85] 2021-07-15 [86] 2020-01-17 (PCT/US2020/014018) [87] (WO2020/150567) [30] US (62/793,545) 2019-01-17</p>

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[21] **3,126,930**
[13] A1

[51] **Int.Cl. A44B 17/00 (2006.01) A42B 1/24 (2021.01)**

[25] EN

[54] **SNAP FASTENER RECEIVER TECHNIQUES**

[54] **TECHNIQUES DE RECEPTEUR DE BOUTON A PRESSION**

[72] QUINN, ZACHARY, US

[72] SUMMERS, CALEB, US

[72] CARLISLE, CHARLIE, US

[71] LOVE YOUR MELON INC., US

[85] 2021-07-15

[86] 2020-01-14 (PCT/US2020/013483)

[87] (WO2020/154132)

[30] US (16/257,443) 2019-01-25

[21] **3,126,931**
[13] A1

[51] **Int.Cl. A61K 31/4965 (2006.01) A61K 31/4375 (2006.01) A61K 31/444 (2006.01) A61K 31/4709 (2006.01) A61K 31/5415 (2006.01) A61P 35/00 (2006.01) C07D 241/10 (2006.01) C07D 401/12 (2006.01)**

[25] EN

[54] **1,8-NAPHTHYRIDINONE COMPOUNDS AND USES THEREOF**

[54] **COMPOSES DE 1,8-NAPHTHYRIDINONE ET LEURS UTILISATIONS**

[72] PHAM, SON MINH, US

[72] KANKANALA, JAYAKANTH, US

[72] JADHAVAR, PRADEEP S., IN

[72] MULIK, BABAN MOHAN, IN

[72] KHAN, FARHA, IN

[72] RAMACHANDRAN, SREEKANTH A., IN

[71] NUVATION BIO INC., US

[85] 2021-07-15

[86] 2020-01-17 (PCT/US2020/014208)

[87] (WO2020/150676)

[30] US (62/794,526) 2019-01-18

[21] **3,126,932**
[13] A1

[51] **Int.Cl. A23K 10/18 (2016.01) A23K 10/30 (2016.01) A23K 10/37 (2016.01)**

[25] EN

[54] **HIGH LOAD DISPERSIONS AND USES THEREOF**

[54] **DISPERSIONS A CHARGE ELEVEE ET LEURS UTILISATIONS**

[72] SUPAMAHIORN, JAI, US

[72] MCMILLAN, LAUREN, US

[71] AUSTIN RESEARCH LABS CORP., US

[85] 2021-07-15

[86] 2020-01-15 (PCT/US2020/013637)

[87] (WO2020/150319)

[30] US (62/792,976) 2019-01-16

[21] **3,126,933**
[13] A1

[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61P 7/04 (2006.01)**

[25] EN

[54] **SERPINC1 IRNA COMPOSITIONS AND METHODS OF USE THEREOF**

[54] **COMPOSITIONS D'ARNI DE SERPINC1 ET LEURS PROCEDES D'UTILISATION**

[72] AKINC, AKIN, US

[71] GENZYME CORPORATION, US

[85] 2021-07-15

[86] 2020-01-16 (PCT/US2020/013811)

[87] (WO2020/150431)

[30] US (62/793,020) 2019-01-16

[21] **3,126,934**
[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01) A61B 17/70 (2006.01) A61F 2/44 (2006.01)**

[25] EN

[54] **IMPROVED NEUROMODULATION THERAPIES AND NEUROMODULATION SYSTEMS**

[54] **THERAPIES DE NEUROMODULATION ET SYSTEMES DE NEUROMODULATION AMELIORES**

[72] MOLNAR, GREGORY F., US

[72] PEYMAR, NAZMI, US

[72] LINDBORG, BETH A., US

[72] HILL, KATHLEEN W., US

[72] GRUBE, KYLE R., US

[72] PARK, MICHAEL C., US

[72] HUNT, MATTHEW A., US

[72] ZENANKO, JUSTIN D., US

[72] ALPERT, SUSAN, US

[71] SYNERFUSE, INC., US

[85] 2021-07-15

[86] 2020-01-16 (PCT/US2020/013820)

[87] (WO2020/150436)

[30] US (62/793,319) 2019-01-16

[30] US (16/743,786) 2020-01-15

[21] **3,126,935**
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/04 (2006.01) A61F 2/24 (2006.01)**

[25] EN

[54] **TRANSCATHETER METHODS FOR HEART VALVE REPAIR**

[54] **PROCEDES DE TRANSCATHETER DESTINES A UNE REPARATION DE VALVE CARDIAQUE**

[72] EDMISTON, DARYL, US

[72] NORDMANN, TYLER, US

[72] LAPOINTE, SCOTT, US

[72] DOXON, ANNETTE, US

[72] BLAESER, DAVID, US

[71] NEOCHORD, INC., US

[85] 2021-07-15

[86] 2020-01-16 (PCT/US2020/013917)

[87] (WO2020/150497)

[30] US (62/792,947) 2019-01-16

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[21] **3,126,936**
[13] A1

[51] **Int.Cl. A61B 17/42 (2006.01) A61F 2/02 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD OF PERFORMING CERCLAGE SACROCERVICOPEXY**
[54] **DISPOSITIF ET PROCEDE DE REALISATION D'UNE SACROCERVICOPEXIE AVEC CERCLAGE**
[72] ROSENBLATT, PETER L., US
[71] GYNAPEX SURGICAL, LLC, US
[85] 2021-07-15
[86] 2020-01-17 (PCT/US2020/014069)
[87] (WO2020/150594)
[30] US (16/251,988) 2019-01-18
[30] US (62/974,025) 2019-11-08

[21] **3,126,937**
[13] A1

[51] **Int.Cl. H04W 52/02 (2009.01)**
[25] EN
[54] **POWER MANAGEMENT TECHNIQUES FOR WAKING-UP PROCESSORS IN MEDIA PLAYBACK SYSTEMS**
[54] **TECHNIQUES DE GESTION D'ALIMENTATION POUR REVEILLER DES PROCESSEURS DANS DES SYSTEMES DE LECTURE MULTIMEDIA**
[72] LU, CHENG, US
[71] SONOS, INC., US
[85] 2021-07-15
[86] 2020-01-17 (PCT/US2020/014072)
[87] (WO2020/150595)
[30] US (62/794,222) 2019-01-18

[21] **3,126,938**
[13] A1

[51] **Int.Cl. B66F 7/04 (2006.01) B66F 1/06 (2006.01) B66F 3/46 (2006.01) B66F 7/12 (2006.01) B66F 7/28 (2006.01)**
[25] EN
[54] **THREE-LEVEL VEHICLE LIFT**
[54] **PONT ELEVATEUR POUR VEHICULES A TROIS NIVEAUX**
[72] KRITZER, JEFFREY S., US
[71] BENDPAK, INC., US
[85] 2021-07-15
[86] 2020-01-17 (PCT/US2020/014129)
[87] (WO2020/154200)
[30] US (62/795,353) 2019-01-22

[21] **3,126,939**
[13] A1

[51] **Int.Cl. A61B 3/16 (2006.01) A61F 2/16 (2006.01) A61F 9/00 (2006.01) A61F 9/007 (2006.01) A61L 27/16 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TREATING EYE DISEASE**
[54] **METHODE ET DISPOSITIF DE TRAITEMENT D'UN TROUBLE OCULAIRE**
[72] KAO, BRANDON, WEI-HSIANG, US
[72] JIANG, RUI JING, US
[71] AVISI TECHNOLOGIES, INC., US
[85] 2021-07-15
[86] 2020-01-17 (PCT/US2020/014173)
[87] (WO2020/150657)
[30] US (62/794,139) 2019-01-18

[21] **3,126,940**
[13] A1

[51] **Int.Cl. A61K 31/4985 (2006.01) C07D 403/04 (2006.01) C07D 487/04 (2006.01) A61K 31/437 (2006.01)**
[25] EN
[54] **BRUTON'S TYROSINE KINASE INHIBITORS**
[54] **INHIBITEURS DE LA TYROSINE KINASE DE BRUTON**
[72] LIAO, XIBIN, US
[72] LV, YUBIN, CN
[71] LIAO, XIBIN, US
[71] HANGZHOU BANGSHUN PHARMACEUTICAL CO., LTD., CN
[85] 2021-07-15
[86] 2020-01-17 (PCT/US2020/014214)
[87] (WO2020/150681)
[30] US (62/794,284) 2019-01-18

[21] **3,126,941**
[13] A1

[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/04 (2006.01) A61K 38/16 (2006.01) C07K 1/00 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **METHOD OF TREATING CENTRAL NERVOUS SYSTEM DISEASE**
[54] **METHODE DE TRAITEMENT DE MALADIE DU SYSTEME NERVEUX CENTRAL**
[72] BANG, SOOKHEE, US
[72] SONG, JEONG, KUEN, US
[72] SHIN, SEUNG-WOOK, US
[72] LEE, KWAN, HEE, US
[72] LEE, HO, JUNE, US
[71] L & J BIO., LTD., KR
[85] 2021-07-15
[86] 2020-01-21 (PCT/US2020/014338)
[87] (WO2020/150725)
[30] US (16/556,957) 2019-08-30

[21] **3,126,942**
[13] A1

[51] **Int.Cl. C02F 3/32 (2006.01) C02F 3/02 (2006.01) C02F 3/34 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REDUCING TOTAL DISSOLVED SOLIDS (TDS) IN WASTEWATER BY AN ALGAL BIOFILM TREATMENT**
[54] **SYSTEMES ET PROCEDES POUR REDUIRE LES MATIERES DISSOUTES TOTALES (MDT) DANS LES EAUX USEES PAR UN TRAITEMENT DE BIOFILM D'ALGUES**
[72] WEN, ZHIYOU, US
[72] PENG, JUAN, US
[72] GROSS, MARTIN A., US
[72] KUMAR, KULDIP, US
[72] KUNETZ, THOMAS, US
[71] IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
[71] METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO LAW DEPARTMENT, US
[85] 2021-07-15
[86] 2020-01-21 (PCT/US2020/014393)
[87] (WO2020/154282)
[30] US (62/795,122) 2019-01-22

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[21] **3,126,943**
[13] A1

[51] **Int.Cl. B64C 21/02 (2006.01) B64C 3/10 (2006.01) B64C 15/00 (2006.01) B64C 15/12 (2006.01) B64C 15/14 (2006.01) B64C 21/00 (2006.01) B64C 21/04 (2006.01) B64C 21/06 (2006.01) B64C 21/08 (2006.01) B64C 23/00 (2006.01) B64C 29/04 (2006.01) B64D 27/10 (2006.01) B64D 27/14 (2006.01) B64D 27/18 (2006.01) B64D 33/04 (2006.01) F02C 6/04 (2006.01) F02K 1/36 (2006.01) F23L 17/16 (2006.01)**

[25] EN
[54] **FLUIDIC PROPULSIVE SYSTEM**
[54] **SYSTEME DE PROPULSION FLUIDIQUE**
[72] EVULET, ANDREI, US
[71] JETOPTERA, INC., US
[85] 2021-07-15
[86] 2020-01-21 (PCT/US2020/014459)
[87] (WO2020/226708)
[30] US (62/794,464) 2019-01-21

[21] **3,126,944**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/00 (2006.01) A61P 25/18 (2006.01)**

[25] EN
[54] **METHODS FOR TREATING SCHIZOPHRENIA**
[54] **METHODES DE TRAITEMENT DE LA SCHIZOPHRENIE**
[72] HEIDBREder, CHRISTIAN A., US
[72] ANDORN, ANNE C., US
[72] GRAHAM, JAMES A., US
[71] INDIVIOR UK LIMITED, GB
[85] 2021-07-15
[86] 2020-01-21 (PCT/US2020/014461)
[87] (WO2020/154315)
[30] US (62/795,260) 2019-01-22

[21] **3,126,945**
[13] A1

[51] **Int.Cl. A46B 11/00 (2006.01) A61K 8/72 (2006.01) A61Q 11/00 (2006.01) A61Q 11/02 (2006.01)**

[25] EN
[54] **WHITENING SYSTEM**
[54] **SYSTEME DE BLANCHIMENT**
[72] PIMENTA, PALOMA, US
[72] HUANG, CHUN, US
[72] DICOSIMO, ROBERT, US
[72] PAYNE, MARK, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2021-07-15
[86] 2020-01-22 (PCT/US2020/014502)
[87] (WO2020/154340)
[30] US (62/795,167) 2019-01-22

[21] **3,126,946**
[13] A1

[51] **Int.Cl. A63B 22/06 (2006.01) A63B 21/00 (2006.01) A63B 23/04 (2006.01) A63B 71/06 (2006.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR AN INTERACTIVE PEDED EXERCISE DEVICE**
[54] **SYSTEMES ET PROCEDES POUR UN DISPOSITIF D'EXERCICE A PEDALAGE INTERACTIF**
[72] SILCOCK, RYAN, US
[72] ASHBY, DARREN C., US
[72] JACKSON, SPENCER, US
[72] DYE, BLAINE, US
[71] ICON HEALTH & FITNESS, INC., US
[85] 2021-07-15
[86] 2020-01-24 (PCT/US2020/015092)
[87] (WO2020/154691)
[30] US (62/796,952) 2019-01-25

[21] **3,126,947**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01) A61K 47/50 (2017.01) A61K 31/7088 (2006.01) A61K 31/7125 (2006.01) C07H 21/00 (2006.01) C12N 9/78 (2006.01) C12N 15/10 (2006.01) C12P 19/34 (2006.01)**

[25] EN
[54] **RNA-EDITING OLIGONUCLEOTIDES AND USES THEREOF**
[54] **OLIGONUCLEOTIDES D'EDITION D'ARN ET LEURS UTILISATIONS**
[72] FRALEY, ANDREW W., US
[72] ROBINETTE, STEVEN, US
[72] BERMINGHAM, NESSAN, US
[72] PUTTA, MALLIKARJUNA REDDY, US
[71] KORRO BIO, INC., US
[85] 2021-07-15
[86] 2020-01-22 (PCT/US2020/014510)
[87] (WO2020/154342)
[30] US (62/795,357) 2019-01-22
[30] US (62/822,472) 2019-03-22
[30] US (62/900,019) 2019-09-13

[21] **3,126,949**
[13] A1

[51] **Int.Cl. A01M 29/12 (2011.01) A01N 35/06 (2006.01) A01N 59/06 (2006.01) A01N 59/16 (2006.01)**

[25] EN
[54] **DETERRENCE OF BIRDS FROM PESTICIDE-TREATED SUBSTANCES**
[54] **DISPOSITIF DE DISSUASION POUR OISEAUX A PARTIR DE SUBSTANCES TRAITEES PAR DES PESTICIDES**
[72] BALLINGER, JR., KENNETH E., US
[72] WERNER, SCOTT J., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US
[71] ARKION LIFE SCIENCES, LLC, US
[85] 2021-07-15
[86] 2020-01-22 (PCT/US2020/014593)
[87] (WO2020/154389)
[30] US (62/796,051) 2019-01-23

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<p style="text-align: center;">[21] 3,126,950 [13] A1</p> <p>[51] Int.Cl. E06B 9/68 (2006.01) A47H 5/02 (2006.01) E06B 9/262 (2006.01) E06B 9/32 (2006.01) E06B 9/40 (2006.01)</p> <p>[25] EN</p> <p>[54] EXTERNAL MOTOR DRIVE SYSTEM FOR WINDOW COVERING SYSTEM WITH CONTINUOUS CORD LOOP</p> <p>[54] SYSTEME D'ENTRAINEMENT DE MOTEUR EXTERNE POUR UN SYSTEME DE COUVRE-FENETRE AYANT UNE BOUCLE DE CORDON CONTINU</p> <p>[72] PHAM, TRUNG DUC, CA</p> <p>[72] CHENG, ALAN, CA</p> <p>[72] BISHARA, MARC RASHAD, CA</p> <p>[71] RYSE INC., CA</p> <p>[85] 2021-07-16</p> <p>[86] 2019-05-24 (PCT/CA2019/050715)</p> <p>[87] (WO2020/150805)</p> <p>[30] US (16/255,647) 2019-01-23</p>	<p style="text-align: center;">[21] 3,126,953 [13] A1</p> <p>[51] Int.Cl. C09K 11/02 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR MODULATING A CONDITION OF A BIOLOGICAL CELL</p> <p>[54] PROCEDE DE MODULATION D'UN ETAT D'UNE CELLULE BIOLOGIQUE</p> <p>[72] STOCKUM, WERNER, DE</p> <p>[72] SCHABERGER, MICHAEL, DE</p> <p>[72] DERTINGER, STEPHAN, DE</p> <p>[72] SIRAGUSA, NINA, DE</p> <p>[72] OKURA, HIROSHI, JP</p> <p>[71] MERCK PATENT GMBH, DE</p> <p>[85] 2021-07-16</p> <p>[86] 2020-01-16 (PCT/EP2020/050952)</p> <p>[87] (WO2020/148353)</p> <p>[30] EP (19152667.2) 2019-01-18</p>	<p style="text-align: center;">[21] 3,126,955 [13] A1</p> <p>[51] Int.Cl. A61B 3/08 (2006.01) A61B 3/10 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR DIGITAL MEASUREMENT OF STEREO VISION</p> <p>[54] SYSTEME ET PROCEDE DE MESURE NUMERIQUE D'UNE VISION STEREOSCOPIQUE</p> <p>[72] HESS, ROBERT F., CA</p> <p>[72] BALDWIN, ALEXANDER, CA</p> <p>[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA</p> <p>[85] 2021-07-16</p> <p>[86] 2020-01-17 (PCT/CA2020/050051)</p> <p>[87] (WO2020/146952)</p> <p>[30] US (62/793,632) 2019-01-17</p>
<p style="text-align: center;">[21] 3,126,952 [13] A1</p> <p>[51] Int.Cl. H04L 9/08 (2006.01) G06N 20/00 (2019.01)</p> <p>[25] EN</p> <p>[54] API AND ENCRYPTION KEY SECRETS MANAGEMENT SYSTEM AND METHOD</p> <p>[54] SYSTEME ET PROCEDE DE GESTION DE SECRETS D'API ET DE CLES DE CHIFFREMENT</p> <p>[72] TEITZEL, CHRISTOPHER, US</p> <p>[72] FUJIMOTO, TYNOR, US</p> <p>[71] CELLAR DOOR MEDIA, LLC DBA LOCKR, US</p> <p>[85] 2021-07-15</p> <p>[86] 2020-01-22 (PCT/US2020/014641)</p> <p>[87] (WO2020/159774)</p> <p>[30] US (16/261,443) 2019-01-29</p>	<p style="text-align: center;">[21] 3,126,954 [13] A1</p> <p>[51] Int.Cl. H04B 1/715 (2011.01) H04W 24/00 (2009.01) H04W 40/02 (2009.01)</p> <p>[25] EN</p> <p>[54] CONTROLLING DATA COMMUNICATION QUALITY IN SOFTWARE-DEFINED HETEROGENOUS MULTI-HOP AD HOC NETWORKS</p> <p>[54] CONTROLE DE LA QUALITE DE COMMUNICATIONS DE DONNEES DANS DES RESEAUX AD HOC MULTI-SAUTS HETEROGENES DEFINIS PAR LOGICIEL</p> <p>[72] ZHU, HUA, US</p> <p>[72] KOSE, CENK, US</p> <p>[72] JOHNSON, MARK, US</p> <p>[72] CHUGG, KEITH M., US</p> <p>[71] TRELISWARE TECHNOLOGIES, INC., US</p> <p>[85] 2021-07-15</p> <p>[86] 2020-01-22 (PCT/US2020/014653)</p> <p>[87] (WO2020/154432)</p> <p>[30] US (62/795,518) 2019-01-22</p> <p>[30] US (62/903,654) 2019-09-20</p>	<p style="text-align: center;">[21] 3,126,956 [13] A1</p> <p>[51] Int.Cl. G06F 7/58 (2006.01) G06F 21/64 (2013.01) G06F 16/27 (2019.01)</p> <p>[25] EN</p> <p>[54] A METHOD FOR GENERATING RANDOM NUMBERS IN BLOCKCHAIN SMART CONTRACTS</p> <p>[54] PROCEDE DE GENERATION DE NOMBRES ALEATOIRES DANS DES CONTRATS INTELLIGENTS A CHAINE DE BLOCS</p> <p>[72] DUMAS, FRANCOIS, CA</p> <p>[72] QIAN, YUMING, CA</p> <p>[71] ZEU TECHNOLOGIES, INC., CA</p> <p>[85] 2021-07-16</p> <p>[86] 2020-01-20 (PCT/CA2020/050056)</p> <p>[87] (WO2020/146955)</p> <p>[30] US (62/794,336) 2019-01-18</p>

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[21] **3,126,957**
[13] A1

[51] **Int.Cl. B05D 3/06 (2006.01)**
[25] FR
[54] **METHOD FOR OBTAINING A SUBSTRATE COATED WITH A FUNCTIONAL LAYER**
[54] **PROCEDE D'OBTENTION D'UN SUBSTRAT REVETU D'UNE COUCHE FONCTIONNELLE**
[72] DESBOEUF, NICOLAS, FR
[72] SCHWEITZER, JEAN-PHILIPPE, FR
[72] HUIGNARD, ARNAUD, FR
[72] MAILLAUD, LAURENT, FR
[72] DEVYS, LUCIE, FR
[72] MIMOUN, EMMANUEL, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2021-07-16
[86] 2020-01-28 (PCT/FR2020/050124)
[87] (WO2020/157423)
[30] FR (1900793) 2019-01-29

[21] **3,126,959**
[13] A1

[51] **Int.Cl. A61K 31/498 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **CANCER TREATMENT**
[54] **TRAITEMENT CONTRE LE CANCER**
[72] O'HAGAN, ANNE ELIZABETH, US
[72] DE PORRE, PETER MARIE Z., BE
[72] AVADHANI, ANJALI NARAYAN, US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2021-07-16
[86] 2020-02-11 (PCT/EP2020/053490)
[87] (WO2020/165181)
[30] EP (19156806.2) 2019-02-12
[30] EP (19176575.9) 2019-05-24

[21] **3,126,962**
[13] A1

[51] **Int.Cl. C22B 3/06 (2006.01) C01D 15/00 (2006.01) C22B 3/08 (2006.01) C22B 3/22 (2006.01) C22B 26/12 (2006.01) H01M 10/54 (2006.01)**
[25] EN
[54] **METHOD OF MINERAL RECOVERY**
[54] **PROCEDE DE RECUPERATION DE MINERAUX**
[72] DI CESARE, ENRICO, CA
[71] ST-GEORGES ECO-MINING CORP., CA
[85] 2021-07-16
[86] 2020-01-20 (PCT/CA2020/050057)
[87] (WO2020/146956)
[30] US (62/794,414) 2019-01-18

[21] **3,126,963**
[13] A1

[51] **Int.Cl. C03C 17/36 (2006.01)**
[25] FR
[54] **SUBSTRATE PROVIDED WITH A STACK HAVING THERMAL PROPERTIES AND AN ABSORBENT LAYER**
[54] **SUBSTRAT MUNI D'UN EMPILEMENT A PROPRIETES THERMIQUES ET A COUCHE ABSORBANTE**
[72] BEUTIER, JULIEN, FR
[72] RONDEAU, VERONIQUE, FR
[72] MARTIN, ESTELLE, FR
[72] MISRA, SOUMYADEEP, IN
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2021-07-16
[86] 2020-01-30 (PCT/FR2020/050150)
[87] (WO2020/157440)
[30] FR (1900878) 2019-01-30

[21] **3,126,964**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/08 (2006.01) F16L 55/027 (2006.01) E21B 43/32 (2006.01)**
[25] EN
[54] **NOZZLE FOR WATER CHOKING**
[54] **BUSE POUR ETRANGLEMENT D'EAU**
[72] ZHU, DA, CA
[71] RGL RESERVOIR MANAGEMENT INC., CA
[85] 2021-07-16
[86] 2020-02-24 (PCT/CA2020/050233)
[87] (WO2020/168438)
[30] US (62/809,704) 2019-02-24

[21] **3,126,967**
[13] A1

[51] **Int.Cl. C04B 28/02 (2006.01) C04B 24/26 (2006.01)**
[25] EN
[54] **CEMENTITIOUS HYBRID FLOORING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT DE SOL HYBRIDE CIMENTAIRE**
[72] GIMENO, PATRICIA, DE
[72] KADDATZ, CAROLA, DE
[72] GROTZINGER, JOCHEN, DE
[72] WEIKERT, TILL, DE
[71] SIKA TECHNOLOGY AG, CH
[85] 2021-07-16
[86] 2020-03-09 (PCT/EP2020/056240)
[87] (WO2020/178457)
[30] EP (19161344.7) 2019-03-07

[21] **3,126,968**
[13] A1

[51] **Int.Cl. G05B 19/048 (2006.01)**
[25] EN
[54] **OPERATION MONITORING SYSTEM AND MONITORING METHOD**
[54] **SYSTEME DE CONTROLE DE FONCTIONNEMENT ET SON PROCEDE DE CONTROLE**
[72] QIN, SHUO, CN
[72] QI, JIAYUAN, CN
[72] XU, BING, CN
[72] WU, YICHAO, CN
[71] FJ DYNAMICS TECHNOLOGY ACADEMY (CHANG ZHOU) CO., LTD, CN
[85] 2021-07-16
[86] 2019-09-18 (PCT/CN2019/106298)
[87] (WO2020/147325)
[30] CN (201910048403.6) 2019-01-18
[30] CN (201910187499.4) 2019-03-13

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[21] **3,126,969**
[13] A1

[51] **Int.Cl. G05D 1/02 (2020.01)**
[25] EN
[54] **ROUTE MANAGEMENT SYSTEM, AND MANAGEMENT METHOD THEREOF**
[54] **SYSTEME DE GESTION D'ITINERAIRE ET SON PROCEDE DE GESTION**
[72] QIN, SHUO, CN
[72] QI, JIAYUAN, CN
[72] XU, BING, CN
[72] WANG, XIAODONG, CN
[71] FJ DYNAMICS TECHNOLOGY ACADEMY (CHANG ZHOU) CO., LTD, CN
[85] 2021-07-16
[86] 2019-09-18 (PCT/CN2019/106299)
[87] (WO2020/147326)
[30] CN (201910049062.4) 2019-01-18
[30] CN (201910187488.6) 2019-03-13

[21] **3,126,971**
[13] A1

[51] **Int.Cl. D04H 1/54 (2012.01) D04H 1/541 (2012.01) D04H 1/542 (2012.01) A24F 23/02 (2006.01) B65D 65/00 (2006.01) D04H 1/74 (2006.01)**
[25] EN
[54] **MANUFACTURING OF A WEB OF PACKAGING MATERIAL**
[54] **FABRICATION D'UNE BANDE DE MATERIAU D'EMBALLAGE**
[72] BODIN, CRISTIAN, SE
[72] SEILER, LINNEA, SE
[71] SWEDISH MATCH NORTH EUROPE AB, SE
[85] 2021-07-16
[86] 2020-02-17 (PCT/EP2020/054050)
[87] (WO2020/169513)
[30] SE (1950206-1) 2019-02-19

[21] **3,126,976**
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/505 (2006.01) A61K 31/675 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SALT OF EGFR INHIBITOR, CRYSTAL FORM, AND PREPARATION METHOD THEREFOR**
[54] **SEL D'UN INHIBITEUR D'EGFR, FORME CRISTALLINE ET PROCEDE DE PREPARATION ASSOCIE**
[72] WU, LINGYUN, CN
[72] LIU, XILE, CN
[72] DING, CHARLES Z., CN
[72] CHEN, SHUHUI, CN
[72] HU, LIHONG, CN
[72] ZHAO, LELE, CN
[72] PAN, WEI, CN
[72] HU, GUOPING, CN
[72] LI, JIAN, CN
[72] ZHAO, NING, CN
[72] ZHAO, JUN, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2021-07-16
[86] 2020-01-17 (PCT/CN2020/072767)
[87] (WO2020/147838)
[30] CN (201910049843.3) 2019-01-18
[30] CN (201910625009.4) 2019-07-11

[21] **3,126,979**
[13] A1

[51] **Int.Cl. E21C 35/08 (2006.01) E21B 44/00 (2006.01) E21C 25/06 (2006.01) E21C 27/24 (2006.01) E21C 35/00 (2006.01) E21C 35/24 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SPECIFYING AND CONTROLLING SUMP DEPTH**
[54] **SYSTEME ET PROCEDE DE SPECIFICATION ET DE COMMANDE DE PROFONDEUR DE PUISARD**
[72] THEUNISSEN, WILHELMUS HENRICKUS, ZA
[71] JOY GLOBAL UNDERGROUND MINING LLC, US
[85] 2021-07-15
[86] 2020-02-05 (PCT/US2020/016762)
[87] (WO2020/163456)
[30] US (62/801,405) 2019-02-05

[21] **3,126,980**
[13] A1

[51] **Int.Cl. H02G 7/16 (2006.01)**
[25] EN
[54] **PASSIVE INTELLIGENT ICE MELTING CONTROL DEVICE AND ICE MELTING CONTROL METHOD THEREOF**
[54] **DISPOSITIF DE COMMANDE INTELLIGENT PASSIF DE FUSION DE GLACE ET SON PROCEDE DE COMMANDE DE FUSION DE GLACE**
[72] MO, SITE, CN
[72] LI, BIXIONG, CN
[72] LIU, TIANQI, CN
[71] SICHUAN UNIVERSITY, CN
[85] 2021-07-16
[86] 2020-09-11 (PCT/CN2020/114813)
[87] (WO2021/088512)
[30] CN (201911088567.8) 2019-11-08

[21] **3,126,982**
[13] A1

[51] **Int.Cl. H02G 7/16 (2006.01)**
[25] EN
[54] **INTELLIGENT ICE MELTING DEVICE BASED ON SELF-MADE THERMAL WIRE AND ICE MELTING METHOD THEREOF**
[54] **DISPOSITIF INTELLIGENT DE FUSION DE GLACE BASE SUR UN FIL AUTO-CHAUFFANT ET SON PROCEDE DE FUSION DE GLACE**
[72] MO, SITE, CN
[72] LI, BIXIONG, CN
[72] LIU, TIANQI, CN
[71] SICHUAN UNIVERSITY, CN
[85] 2021-07-16
[86] 2020-09-11 (PCT/CN2020/114814)
[87] (WO2021/088513)
[30] CN (201911088598.3) 2019-11-08

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[21] **3,126,984**
[13] A1

[51] **Int.Cl. G01B 11/24 (2006.01) G06T 7/30 (2017.01) G06T 7/50 (2017.01) G16H 30/40 (2018.01) G01B 11/25 (2006.01) G01N 21/84 (2006.01) G01S 17/89 (2020.01) G06T 15/00 (2011.01)**

[25] EN

[54] **MULTI-MODAL SYSTEM FOR VISUALIZATION AND ANALYSIS OF SURGICAL SPECIMENS**

[54] **SYSTEME MULTIMODAL POUR LA VISUALISATION ET L'ANALYSE D'ECHANTILLONS CHIRURGICAUX**

[72] DACOSTA, RALPH, CA
[72] OTTOLINO-PERRY, KATHRYN, CA
[72] GIBSON, CHRISTOPHER, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2021-07-16
[86] 2020-01-17 (PCT/IB2020/050381)
[87] (WO2020/148722)
[30] US (62/793,715) 2019-01-17

[21] **3,126,985**
[13] A1

[51] **Int.Cl. C07C 41/01 (2006.01) A23L 33/00 (2016.01) C07C 43/23 (2006.01)**

[25] EN

[54] **METHYLATION PROCESS**

[54] **PROCEDE DE METHYLATION**

[72] BUONAMICI, GUGLIELMO, IT
[71] FOOD FOR FUTURE S.R.L. SOCIETA BENEFIT, IT
[85] 2021-07-16
[86] 2020-01-21 (PCT/IB2020/050439)
[87] (WO2020/152579)
[30] IT (102019000000865) 2019-01-21

[21] **3,126,986**
[13] A1

[51] **Int.Cl. A61B 6/00 (2006.01)**

[25] EN

[54] **SPATIOTEMPORAL RECONSTRUCTION OF A MOVING VASCULAR PULSE WAVE FROM A PLURALITY OF LOWER DIMENSIONAL ANGIOGRAPHIC PROJECTIONS**

[54] **RECONSTRUCTION SPATIO-TEMPORELLE D'UNE ONDE DE POULS VASCULAIRE MOBILE A PARTIR D'UNE PLURALITE DE PROJECTIONS ANGIOGRAPHIQUES PRESENTANT MOINS DE DIMENSIONS**

[72] BUTLER, WILLIAM E., US
[71] BUTLER, WILLIAM E., US
[85] 2021-07-15
[86] 2020-02-06 (PCT/US2020/017057)
[87] (WO2020/163629)
[30] US (62/801,766) 2019-02-06

[21] **3,126,989**
[13] A1

[51] **Int.Cl. E01C 5/06 (2006.01)**

[25] EN

[54] **COBBLESTONE WITH PERIPHERAL STRUCTURING AND PAVEMENT LAID THEREWITH**

[54] **PAVE PRESENTANT UNE STRUCTURATION PERIPHERIQUE ET PAVAGE POSE A L'AIDE DE CE DERNIER**

[72] SCHRODER, DETLEF, DE
[71] SCHRODER, DETLEF, DE
[85] 2021-07-16
[86] 2019-12-10 (PCT/DE2019/000320)
[87] (WO2020/147868)
[30] DE (10 2019 000 302.0) 2019-01-17

[21] **3,126,990**
[13] A1

[51] **Int.Cl. G16H 50/30 (2018.01) G16B 20/00 (2019.01) G16B 30/00 (2019.01) G16B 40/00 (2019.01) G01N 33/48 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR DETERMINING A PREGNANCY-RELATED STATE OF A SUBJECT**

[54] **PROCEDE ET SYSTEMES DE DETERMINATION D'UN ETAT ASSOCIE A LA GROSSESSE CHEZ UN SUJET**

[72] JAIN, MANEESH, US
[72] NAMSARAEV, EUGENI, US
[72] RASMUSSEN, MORTEN, US
[72] SOLER, JOAN CAMUNAS, US
[72] SIDDIQUI, FAROOQ, US
[72] REDDY, MITSU, US
[71] MIRVIE, INC., US
[85] 2021-07-15
[86] 2020-02-13 (PCT/US2020/018172)
[87] (WO2020/168118)
[30] US (62/805,515) 2019-02-14
[30] US (62/890,248) 2019-08-22
[30] US (62/926,786) 2019-10-28

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[21] **3,126,992**
[13] A1

[51] **Int.Cl. B25J 9/16 (2006.01) B25J 19/02 (2006.01)**
[25] EN
[54] **INDUSTRIAL ROBOT APPARATUS WITH IMPROVED TOOLING PATH GENERATION, AND METHOD FOR OPERATING AN INDUSTRIAL ROBOT APPARATUS ACCORDING TO AN IMPROVED TOOLING PATH**
[54] **APPAREIL ROBOTISE INDUSTRIEL DOTE D'UNE GENERATION DE TRAJET D'OUTILLAGE AMELIOREE, ET PROCEDE PERMETTANT D'ACTIONNER UN APPAREIL ROBOTISE INDUSTRIEL SELON UN TRAJET D'OUTILLAGE A MELIORE**
[72] BIANCHI, LORENZO, IT
[72] CHIARI, FRANCESCO SAVERIO, IT
[72] RICCI, STEFANO, IT
[72] GUERRINI, MASSIMO, IT
[72] COSTANTINO, STEFANO, IT
[72] LEONI, FABIO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2021-07-16
[86] 2020-01-17 (PCT/EP2020/025019)
[87] (WO2020/151917)
[30] IT (102019000000995) 2019-01-23

[21] **3,126,997**
[13] A1

[51] **Int.Cl. F01D 11/12 (2006.01) F01D 11/18 (2006.01) F01D 25/24 (2006.01)**
[25] EN
[54] **TURBINE WITH A SHROUD RING AROUND ROTOR BLADES AND METHOD OF LIMITING LEAKAGE OF WORKING FLUID IN A TURBINE**
[54] **TURBINE AVEC UN ANNEAU DE RENFORCEMENT AUTOUR DE PALES DE ROTOR ET PROCEDE DE LIMITATION DES FUITES D'UN FLUIDE DE TRAVAIL DANS UNE TURBINE**
[72] ASTI, ANTONIO, IT
[72] TOGNARELLI, LEONARDO, IT
[72] MARCHETTI, SIMONE, IT
[72] GENTILE, DAVID, IT
[72] FEDERIGHI, ENRICO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2021-07-16
[86] 2020-01-24 (PCT/EP2020/025031)
[87] (WO2020/151925)
[30] IT (102019000001173) 2019-01-25

[21] **3,126,999**
[13] A1

[51] **Int.Cl. A61M 5/158 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **INFUSION SET AND INSERTER ASSEMBLY SYSTEMS AND METHODS**
[54] **ENSEMBLE DE PERFUSION, SYSTEMES D'ENSEMBLE D'INSERTION ET PROCEDES**
[72] LANIGAN, RICHARD J., US
[72] FERRIS, JOSHUA I., US
[72] STACK, RICHARD D., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2021-07-15
[86] 2020-02-21 (PCT/US2020/019287)
[87] (WO2020/172567)
[30] US (62/809,248) 2019-02-22

[21] **3,127,000**
[13] A1

[51] **Int.Cl. A61M 39/16 (2006.01)**
[25] EN
[54] **SYRINGE WITH DISINFECTING FEATURE**
[54] **SERINGUE AVEC CARACTERISTIQUE DE DESINFECTION**
[72] LEIBOWITZ, EVAN, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2021-08-10
[86] 2020-02-19 (PCT/US2020/018760)
[87] (WO2020/172230)
[30] US (62/808,485) 2019-02-21

[21] **3,127,002**
[13] A1

[51] **Int.Cl. H01L 51/00 (2006.01) H01L 51/05 (2006.01) H01L 51/10 (2006.01)**
[25] EN
[54] **ORGANIC THIN FILM TRANSISTOR AND METHOD FOR PRODUCING SAME**
[54] **TRANSISTOR A COUCHE MINCE ORGANIQUE ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] KLEEMANN, HANS, DE
[72] PARK, SEONGAE, DE
[72] VAHLAND, JORN, DE
[71] TECHNISCHE UNIVERSITAT DRESDEN, DE
[85] 2021-07-16
[86] 2020-01-17 (PCT/EP2020/051185)
[87] (WO2020/152061)
[30] DE (10 2019 200 810.0) 2019-01-23

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[21] **3,127,003**
[13] A1

[51] **Int.Cl. F16M 11/20 (2006.01) F16M 11/00 (2006.01) F16M 11/04 (2006.01) F16M 11/08 (2006.01) F16M 11/10 (2006.01) F16M 11/12 (2006.01)**

[25] EN

[54] **JOINT ROTATION STOP STRUCTURES FOR ARTICULATED SUPPORT ARMS**

[54] **STRUCTURES D'ARRET DE ROTATION D'ARTICULATION POUR LES BRAS SUPPORT ARTICULES**

[72] BORLOZ, PAUL RENE, US

[72] LITTLEFIELD, JOSHUA KAWARII, US

[72] GLASER, ROBERT PETER, US

[71] GCX CORPORATION, US

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[86] 2020-02-28 (PCT/US2020/020467)

[87] (WO2020/180717)

[30] US (62/812,893) 2019-03-01

[21] **3,127,004**
[13] A1

[51] **Int.Cl. H04L 12/10 (2006.01) G02B 6/38 (2006.01) H01B 11/22 (2006.01) H01R 13/00 (2006.01) H04L 12/40 (2006.01)**

[25] EN

[54] **INTEGRATION OF POWER, DATA, COOLING, AND MANAGEMENT IN A NETWORK COMMUNICATIONS SYSTEM**

[54] **INTEGRATION DE PUISSANCE, DE DONNEES, DE REFROIDISSEMENT ET DE GESTION DANS UN SYSTEME DE COMMUNICATION DE RESEAU**

[72] BYERS, CHARLES CALVIN, US

[72] SALGUEIRO, GONZALO, US

[72] HANES, M., DAVID, US

[72] GOERGEN, JOEL RICHARD, US

[72] CLARKE, JOSEPH MICHAEL, US

[71] CISCO TECHNOLOGY, INC., US

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[86] 2020-02-28 (PCT/US2020/020403)

[87] (WO2020/185425)

[30] US (16/354,082) 2019-03-14

[21] **3,127,005**
[13] A1

[51] **Int.Cl. A61K 49/00 (2006.01) A61B 6/00 (2006.01) A61K 49/04 (2006.01)**

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[54] **PROCEDES AMELIORES D'ANGIOGRAPHIE**

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[71] BUTLER, WILLIAM E., US

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[21] **3,127,009**
[13] A1

[51] **Int.Cl. A01G 27/06 (2006.01) A01G 9/02 (2018.01)**

[25] EN

[54] **SELF-WATERING PLANTER**

[54] **BAC A FLEURS A ARROSAGE AUTOMATIQUE**

[72] BARNWELL, JACK, US

[71] C3 GARDENS, LLC, US

[85] 2021-07-15

[86] 2020-02-13 (PCT/US2020/018097)

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[21] **3,127,014**
[13] A1

[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01) A24F 40/50 (2020.01)**

[25] EN

[54] **VAPORIZER DEVICE WITH VAPORIZER CARTRIDGE**

[54] **DISPOSITIF VAPORISATEUR COMPRENANT UNE CARTOUCHE DE VAPORISATEUR**

[72] CHANG, TSUEY, US

[72] ENTELIS, DYLAN E., US

[72] LI, YONGCHAO, US

[72] LIANG, HUEI-HUEI, US

[72] MALONE, MATTHEW J., US

[72] SCOTT, ZACHARY T., US

[72] ZHANG, XUEHAI, US

[72] ATKINS, ARIEL, US

[72] BELISLE, CHRISTOPHER L., US

[72] CHEUNG, BRANDON, US

[72] CHRISTENSEN, STEVEN, US

[72] HOOPAI, ALEXANDER M., US

[72] JOHNSON, ERIC JOSEPH, US

[72] KING, JASON, US

[72] LEON DUQUE, ESTEBAN, US

[72] MONSEES, JAMES, US

[72] NG, NATHAN N., US

[72] O' MALLEY, CLAIRE, US

[72] RIOS, MATTHEW, US

[72] ROSSER, CHRISTOPHER JAMES, US

[72] STRATTON, ANDREW J., US

[72] THAWER, ALIM, US

[72] WESELY, NORBERT, US

[72] WESTLEY, JAMES P., US

[71] JUUL LABS, INC., US

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[30] US (62/812,148) 2019-02-28

[30] US (62/913,135) 2019-10-09

[30] US (62/915,005) 2019-10-14

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[21] **3,127,018**
[13] A1

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[25] EN

[54] **SILICA ADSORBENT TREATMENT FOR REMOVAL OF CHLOROPHYLL DERIVATIVES FROM TRIACYLGLYCEROL-BASED OILS**

[54] **TRAITEMENT D'ADSORBANT DE SILICE POUR L'ELIMINATION DE DERIVES DE CHLOROPHYLLE A PARTIR D'HUILES A BASE DE TRIACYLGLYCEROL**

[72] DAYTON, CHRISTOPHER, US
[72] MICHOS, DEMETRIUS, US
[72] LIBANATI, CRISTIAN, US
[72] GRIMES, CHELSEA, US
[71] BUNGE GLOBAL INNOVATION, LLC, US

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[30] US (62/824,636) 2019-03-27

[21] **3,127,020**
[13] A1

[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/08 (2019.01) A61P 25/04 (2006.01)**

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[54] **A CYCLIC PEPTIDE**
[54] **PEPTIDE CYCLIQUE**

[72] PAREKH, HARENDRA, AU
[72] CABOT, PETER, AU
[72] TUPALLY, KARNAKER, AU
[72] KANDALE, AJIT, AU
[71] THE UNIVERSITY OF QUEENSLAND, AU
[71] PREVECEUTICAL MEDICAL INC, CA

[85] 2021-07-16
[86] 2020-01-24 (PCT/AU2020/050049)
[87] (WO2020/150788)
[30] AU (2019900226) 2019-01-24
[30] AU (2019900292) 2019-01-31

[21] **3,127,024**
[13] A1

[51] **Int.Cl. A42B 1/00 (2021.01)**

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[54] **SURGICAL CAP TO CONTROL PATIENT BODY TEMPERATURE**
[54] **BONNET CHIRURGICAL POUR CONTROLER LA TEMPERATURE CORPORELLE D'UN PATIENT**

[72] ABOOD, DAVID, US
[72] SALUAN, PAUL, US
[71] EQUALIZER TECHNOLOGY, LLC, US

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[21] **3,127,032**
[13] A1

[51] **Int.Cl. B21D 26/033 (2011.01) B21D 26/041 (2011.01)**

[25] EN

[54] **MOLDING SYSTEM**
[54] **SYSTEME DE MOULAGE**

[72] YAMAUCHI, KEI, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP

[85] 2021-07-16
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[30] JP (2019-080796) 2019-04-22

[21] **3,127,034**
[13] A1

[51] **Int.Cl. G21D 1/00 (2006.01) B26D 1/12 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR DISMANTLING FOR HEAVY WATER REACTOR FACILITIES**
[54] **APPAREIL ET PROCEDE DE DEMANTELEMENT D'INSTALLATION DE REACTEUR A EAU LOURDE**

[72] HWANG, SEOK-JU, KR
[72] HWANG, YOUNG HWAN, KR
[72] YOON, JU-YOUNG, KR
[72] KIM, CHEON-WOO, KR
[71] KOREA HYDRO & NUCLEAR POWER CO., LTD., KR

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[87] (WO2020/149567)
[30] KR (10-2019-0006688) 2019-01-18

[21] **3,127,035**
[13] A1

[51] **Int.Cl. A61B 90/50 (2016.01) A61B 50/28 (2016.01) F16D 49/08 (2006.01) F16D 49/16 (2006.01) F16D 65/06 (2006.01) F16M 11/08 (2006.01) F16M 11/20 (2006.01) F16M 13/02 (2006.01)**

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[54] **LOAD BALANCING ARM FOR MEDICAL DEVICE SUPPORT SYSTEM**
[54] **BRAS D'EQUILIBRAGE DE CHARGE POUR SYSTEME DE SUPPORT DE DISPOSITIF MEDICAL**

[72] PICHLER, JERIME, US
[72] PUTERBAUGH, NICHOLAS GRANT, US
[72] ALLEN, ROBERT CRAIG, US
[72] BELLOWS, LANCE CLARK, US
[71] AMERICAN STERILIZER COMPANY, US

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[21] **3,127,037**
[13] A1

[51] **Int.Cl. D02G 3/04 (2006.01) D02G 3/28 (2006.01)**

[25] EN

[54] **YARN, METHOD AND APPARATUS FOR PRODUCING YARN AND PRODUCTS FORMED THEREFROM**
[54] **FIL, PROCEDE ET APPAREIL DE PRODUCTION DE FIL ET PRODUITS FORMES A PARTIR DE CELUI-CI**

[72] WYNNE, ANDREW GEORGE, NZ
[71] TMC LIMITED, NZ

[85] 2021-07-16
[86] 2020-01-30 (PCT/NZ2020/050003)
[87] (WO2020/159387)
[30] NZ (750303) 2019-01-30
[30] NZ (756477) 2019-08-27

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[13] A1

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[54] **ALUMINUM ALLOYS**
[54] **ALLIAGES D'ALUMINIUM**
[72] CHAUDHURY, PRABIR KANTI, US
[72] PUN, CHAN CHEONG, US
[72] YAP, CHOR YEN, US
[72] SHIRAI, TAIKI THOMAS, US
[71] DIVERGENT TECHNOLOGIES, INC., US
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[30] US (62/794,509) 2019-01-18
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[21] **3,127,040**
[13] A1

[51] **Int.Cl. E04F 13/08 (2006.01) E04F 13/14 (2006.01)**
[25] EN
[54] **A HANGER AND INSTALLATION THEREOF ON A CLADDING PANEL**
[54] **DISPOSITIF DE SUSPENSION ET SON INSTALLATION SUR UN PANNEAU DE REVETEMENT**
[72] CZYZ, MICHAL, PL
[71] WIDO-PROFIL - SP. Z O. O., PL
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[21] **3,127,042**
[13] A1

[51] **Int.Cl. E05B 49/00 (2006.01) G07C 9/00 (2020.01)**
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[54] **SEAMLESS ACCESS CONTROL**
[54] **CONTROLE D'ACCES CONTINU**
[72] PROSTKO, ROBERT, US
[72] MARTENS, ROBERT, US
[72] KINCAID, RYAN C., US
[71] SCHLAGE LOCK COMPANY LLC, US
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[30] US (62/772,324) 2018-11-28

[21] **3,127,043**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) C12Q 1/6804 (2018.01) C12N 9/52 (2006.01) C12N 15/09 (2006.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**
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[54] **MANIPULATING THE TRANSLATION OF DNA STRANDS ACROSS AND THROUGH NANOPORE SEQUENCING SYSTEMS USING RAMAN SIGNATURES TO IDENTIFY DNA BASES AND METHODS**
[54] **MANIPULATION DE LA TRADUCTION DE BRINS D'ADN A TRAVERS ET VIA DES SYSTEMES DE SEQUENCAGE DE NANOPORES A L'AIDE DE SIGNATURES RAMAN POUR IDENTIFIER DES BASES D'ADN ET PROCEDES**
[72] SURYANARAYA, ANUPAMA, US
[72] AMOSOVA, OLGA, US
[72] KUZNETSOVA, YULIYA, US
[72] NEUMANN, ALEXANDER, US
[72] JIN, XIN, US
[72] BRUEK, STEVEN ROY JULIEN, US
[72] EDWARDS, JEREMY S., US
[71] ARMONICA TECHNOLOGIES, INC., US
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[86] 2020-01-13 (PCT/US2020/013325)
[87] (WO2020/150140)
[30] US (62/793,079) 2019-01-16
[30] US (62/793,084) 2019-01-16

[21] **3,127,047**
[13] A1

[51] **Int.Cl. B01D 11/02 (2006.01) B01D 29/11 (2006.01) B01D 29/23 (2006.01) B01D 29/35 (2006.01) B01D 29/48 (2006.01)**
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[54] **CONTINUOUS EXTRACTION OF NATURAL PRODUCTS FROM PLANTS APPARATUS AND METHODS**
[54] **EXTRACTION CONTINUE DE PRODUITS NATURELS A PARTIR D'APPAREILS ET DE PROCEDES DE PLANTES**
[72] CAREW, E., BAYNE, US
[71] CAREW, E., BAYNE, US
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[86] 2020-01-16 (PCT/US2020/013885)
[87] (WO2020/150477)
[30] US (62/793,043) 2019-01-16
[30] US (62/798,723) 2019-01-30
[30] US (16/548,457) 2019-08-22
[30] US (16/598,682) 2019-10-10

[21] **3,127,052**
[13] A1

[51] **Int.Cl. A61K 33/40 (2006.01) A61K 8/22 (2006.01) A61K 8/34 (2006.01) A61K 47/10 (2017.01)**
[25] EN
[54] **PETROLATUM-BASED COMPOSITIONS AND METHODS OF TREATMENT FOR ONYCHOMYCOSIS**
[54] **COMPOSITIONS A BASE DE PETROLATUM ET METHODES DE TRAITEMENT DE L'ONYCHOMYCOSE**
[72] BURNAM, BRADLEY, US
[71] GLOBAL HEALTH SOLUTIONS LLC, US
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[86] 2020-01-16 (PCT/US2020/013959)
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[30] US (62/793,317) 2019-01-16

Demandes PCT entrant en phase nationale

[21] **3,127,057**
[13] A1

[51] **Int.Cl. C05G 5/30 (2020.01) C05G 3/70 (2020.01) C05G 5/12 (2020.01) C05G 1/00 (2006.01)**

[25] EN

[54] **HYDROPHOBIC COATINGS TO IMPROVE THE PHYSICAL QUALITY PARAMETERS OF FERTILIZERS**

[54] **REVETEMENTS HYDROPHOBES POUR AMELIORER LES PARAMETRES DE QUALITE PHYSIQUE D'ENGRAIS**

[72] MCLAUGHLIN, MICHAEL, US

[72] DEGRYSE, JOZEFIE, US

[72] BAIRD, ROSLYN, US

[72] DA SILVA, RODRIGO COQUI, US

[72] LIGHT, JERRI, US

[71] THE MOSAIC COMPANY, US

[85] 2021-07-16

[86] 2020-01-17 (PCT/US2020/014040)

[87] (WO2020/150579)

[30] US (62/793,582) 2019-01-17

[21] **3,127,063**
[13] A1

[51] **Int.Cl. A61M 25/09 (2006.01)**

[25] EN

[54] **SYSTEMS, APPARATUS, AND METHODS FOR PLACING A GUIDEWIRE FOR A GASTROSTOMY TUBE**

[54] **SYSTEMES, APPAREIL ET PROCEDES POUR PLACER UN FIL-GUIDE POUR UN TUBE DE GASTROSTOMIE**

[72] TROPELLO, STEVEN P., US

[72] CAROLAN, HOWARD, US

[72] GOLDWASSER, ELISABETH, US

[71] COAPTECH, INC., US

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[87] (WO2019/210170)

[30] US (62/663,766) 2018-04-27

[21] **3,127,064**
[13] A1

[51] **Int.Cl. C01B 3/38 (2006.01) C01B 3/48 (2006.01) C01B 3/50 (2006.01) C07C 29/151 (2006.01)**

[25] EN

[54] **PRODUCTION OF SYNTHESIS GAS AND OF METHANOL**

[54] **PRODUCTION DE GAZ DE SYNTHESE ET DE METHANOL**

[72] ALAMRO, MARWAN, SA

[72] ALAHMADI, FAISAL, SA

[72] KOLAH, ASPI, SA

[71] ENI S.P.A., IT

[85] 2021-08-10

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[87] (WO2020/178802)

[30] US (62/815,119) 2019-03-07

[21] **3,127,068**
[13] A1

[51] **Int.Cl. G06N 3/08 (2006.01) G06N 3/04 (2006.01)**

[25] EN

[54] **METHODS FOR SELF-AWARE, SELF-HEALING, AND SELF-DEFENDING DATA**

[54] **PROCEDES D'AUTO-CONSCIENCE, D'AUTO-CICATRISATION ET D'AUTO-DEFENSE DE DONNEES**

[72] MASUD, AHMED, US

[71] MASUD, AHMED, US

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[87] (WO2020/154256)

[30] US (62/794,922) 2019-01-21

[30] US (16/747,359) 2020-01-20

[21] **3,127,074**
[13] A1

[51] **Int.Cl. A61K 31/56 (2006.01) A61L 29/04 (2006.01) A61L 29/08 (2006.01) A61L 29/12 (2006.01) A61L 29/16 (2006.01) A61M 25/10 (2013.01) A61M 29/02 (2006.01)**

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[54] **EXPANDABLE MEMBER SYSTEMS AND METHODS FOR DRUG DELIVERY**

[54] **SYSTEMES D'ELEMENTS DEPLOYABLES ET PROCEDES D'ADMINISTRATION DE MEDICAMENT**

[72] STANKUS, JOHN JOSEPH, US

[72] SU, JAMES, US

[71] INTERSECT ENT, INC., US

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[30] US (62/794,363) 2019-01-18

[30] US (16/745,110) 2020-01-16

[21] **3,127,078**
[13] A1

[51] **Int.Cl. C23F 13/06 (2006.01) C23F 13/04 (2006.01) C23F 13/22 (2006.01) G01R 21/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR AUTONOMOUS MEASUREMENT OF TRANSMISSION LINE EMF FOR PIPELINE CATHODIC PROTECTION SYSTEMS**

[54] **PROCEDE ET SYSTEME DE MESURE AUTONOME DE CHAMPS ELECTROMAGNETIQUES (EMF) DE LIGNE DE TRANSMISSION POUR SYSTEMES DE PROTECTION CATHODIQUE DE PIPELINE**

[72] PINNEY, NATHAN DOUGLAS, US

[72] MARMILLO, JONATHAN EMMANUEL, US

[71] LINEVISION, INC., US

[85] 2021-07-16

[86] 2020-01-21 (PCT/US2020/014410)

[87] (WO2020/154291)

[30] US (62/794,772) 2019-01-21

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[21] **3,127,083**
[13] A1

[51] **Int.Cl. H04L 12/10 (2006.01) G01R 31/08 (2020.01) H04B 3/54 (2006.01) H04L 12/40 (2006.01)**

[25] EN

[54] **MULTIPLE PHASE PULSE POWER IN A NETWORK COMMUNICATIONS SYSTEM**

[54] **ENERGIE PULSEE A PLUSIEURS PHASES DANS UN SYSTEME DE COMMUNICATIONS EN RESEAU**

[72] O'BRIEN, RICHARD ANTHONY, US

[72] ARDUINI, DOUGLAS PAUL, US

[72] BAEK, SUNG KEE, US

[72] LI, RUQI, US

[72] GOERGEN, JOEL RICHARD, US

[71] CISCO TECHNOLOGY, INC., US

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[86] 2020-02-28 (PCT/US2020/020359)

[87] (WO2020/185422)

[30] US (62/817,813) 2019-03-13

[30] US (16/380,954) 2019-04-10

[21] **3,127,086**
[13] A1

[51] **Int.Cl. E21B 23/02 (2006.01) E21B 33/12 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PREVENTING PREMATURE SET OF LINER TOP PACKER**

[54] **PROCEDE ET APPAREIL PERMETTANT D'EMPECHER UNE MISE EN PLACE PREMATUREE D'UNE GARNITURE DE HAUT DE COLONNE PERDUE**

[72] YEE, CHEE KONG, US

[71] BAKER HUGHES HOLDINGS LLC, US

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[87] (WO2020/149950)

[30] US (16/250,301) 2019-01-17

[21] **3,127,087**
[13] A1

[51] **Int.Cl. C12Q 1/6804 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6874 (2018.01) B01F 1/00 (2006.01) B01L 3/00 (2006.01) B01L 7/00 (2006.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **METHODS OF NUCLEIC ACID DETECTION AND PRIMER DESIGN**

[54] **PROCEDES DE DETECTION D'ACIDE NUCLEIQUE ET DE CONCEPTION D'AMORCES**

[72] RUFF, DAVID, US

[72] DHINGRA, DALIA, US

[71] MISSION BIO, INC., US

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[86] 2020-01-22 (PCT/US2020/014595)

[87] (WO2020/154391)

[30] US (62/795,171) 2019-01-22

[21] **3,127,088**
[13] A1

[51] **Int.Cl. B01D 19/00 (2006.01) E21B 43/12 (2006.01) E21B 43/38 (2006.01)**

[25] EN

[54] **FLUID AND GAS SEPARATOR**

[54] **SEPARATEUR DE FLUIDE ET DE GAZ**

[72] RAGLIN, JOHN M., US

[72] RAMIREZ, JUSTIN R., US

[72] BARRETT, DALLAS, CA

[71] WELLWORX ENERGY SOLUTIONS LLC, US

[85] 2021-07-16

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[87] (WO2020/150555)

[30] US (16/251,813) 2019-01-18

[21] **3,127,089**
[13] A1

[51] **Int.Cl. B60R 25/33 (2013.01) G08G 1/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS TO LOCALIZE A RECREATIONAL TRAILER**

[54] **SYSTEMES ET PROCEDES POUR LOCALISER UNE REMORQUE RECREATIVE**

[72] BRADY, EDWARD, US

[71] THOR TECH, INC., US

[85] 2021-07-16

[86] 2020-01-17 (PCT/US2020/014013)

[87] (WO2020/150565)

[30] US (62/794,318) 2019-01-18

[21] **3,127,090**
[13] A1

[51] **Int.Cl. A61K 35/28 (2015.01) A61K 35/30 (2015.01)**

[25] EN

[54] **DUAL STEM CELL THERAPY FOR NEUROLOGICAL CONDITIONS**

[54] **BITHERAPIE A BASE DE CELLULES SOUCHES CONTRE DES AFFECTIONS NEUROLOGIQUES**

[72] LAUGHLIN, MARY, US

[72] ZWICK, DANIEL, US

[71] ABRAHAM J AND PHYLLIS KATZ CORD BLOOD FOUNDATION, US

[85] 2021-07-16

[86] 2020-01-17 (PCT/US2020/014041)

[87] (WO2020/150580)

[30] US (62/794,041) 2019-01-18

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[13] A1

[51] **Int.Cl. F41A 9/62 (2006.01) F41A 9/53 (2006.01) F41A 9/61 (2006.01) F41A 9/70 (2006.01) F41A 19/01 (2006.01) F41G 1/38 (2006.01) F41G 1/387 (2006.01)**

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[54] **VIEWING OPTIC WITH ROUND COUNTER SYSTEM**

[54] **OPTIQUE DE VISUALISATION AVEC SYSTEME DE COMPTEUR DE COUPS**

[72] HAMILTON, SAM, US

[72] IAN, KLEMM, US

[72] HAVENS, CALEN, US

[72] CODY, TOM, US

[72] SCHULTZ, CRAIG, US

[72] BOLLIG, GARRISON, US

[72] CARLSON, ANDY, US

[72] LOWRY, WILLIAM, US

[72] LEWIS, ALEXANDER, US

[72] LAUFENBERG, NICHOLAS, US

[71] SHELTERED WINGS D/B/A VORTEX OPTICS, US

[85] 2021-07-16

[86] 2020-01-17 (PCT/US2020/014082)

[87] (WO2020/150603)

[30] US (62/794,233) 2019-01-18

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[51] **Int.Cl. A01H 6/28 (2018.01) A61K 9/107 (2006.01) A61K 31/352 (2006.01)**

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[54] **SOLID MICELLAR COMPOSITIONS OF CANNABINOID ACIDS**

[54] **COMPOSITIONS MICELLAIRES SOLIDES D'ACIDES CANNABINOIDES**

[72] MULHARE, MICHAELA, US

[72] PICCARIELLO, THOMAS, US

[72] PALMER, SCOTT, US

[71] MULHARE, MICHAELA, US

[71] SYNTHONICS, INC., US

[71] PICCARIELLO, THOMAS, US

[71] PALMER, SCOTT, US

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[30] US (62/793,460) 2019-01-17

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[25] EN

[54] **METHOD OF MAKING MONOACYLGLYCERIDE OILS AND FOOD PRODUCTS CONTAINING MONOACYLGLYCERIDE OILS**

[54] **PROCEDE DE FABRICATION D'HUILES DE MONOACYLGLYCERIDE ET PRODUITS ALIMENTAIRES CONTENANT DES HUILES DE MONOACYLGLYCERIDE**

[72] MONTICELLO, DANIEL J., US

[72] BUSSMANN, WERNER J., US

[71] GLYCOSBIO, INC., US

[85] 2021-07-16

[86] 2020-01-17 (PCT/US2020/014182)

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[30] US (62/794,412) 2019-01-18

[30] US (62/833,558) 2019-04-12

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[51] **Int.Cl. G01M 3/22 (2006.01) G01M 3/04 (2006.01) G01M 3/20 (2006.01) G01N 21/77 (2006.01) G01N 21/78 (2006.01) G01N 31/22 (2006.01)**

[25] EN

[54] **GAS AND/OR CHEMICAL LIQUID INDICATOR**

[54] **INDICATEUR DE GAZ ET/OU DE LIQUIDE CHIMIQUE**

[72] NAKAMURA, KOICHI, US

[72] MOHAJERI, NAHID, US

[71] NITTO DENKO CORPORATION, JP

[85] 2021-07-16

[86] 2020-01-17 (PCT/US2020/014213)

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[30] US (62/794,322) 2019-01-18

[30] US (62/899,669) 2019-09-12

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[25] EN

[54] **HLA CLASS II-RESTRICTED T CELL RECEPTORS AGAINST RAS WITH G12R MUTATION**

[54] **RECEPTEURS DE LYMPHOCYTES T A RESTRICTION HLA DE CLASSE II DIRIGES CONTRE RAS AYANT UNE MUTATION G12R**

[72] YOSEPH, RAMI, US

[72] PARKHURST, MARIA R., US

[72] PASETTO, ANNA, SE

[72] ROSENBERG, STEVEN A., US

[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

[85] 2021-07-16

[86] 2020-01-21 (PCT/US2020/014382)

[87] (WO2020/154275)

[30] US (62/795,203) 2019-01-22

[21] **3,127,097**
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[51] **Int.Cl. C11D 17/00 (2006.01) C11D 1/66 (2006.01) C11D 3/00 (2006.01) C11D 3/04 (2006.01) C11D 3/37 (2006.01)**

[25] EN

[54] **POLYMER BLEND TO STABILIZE HIGHLY ALKALINE LAUNDRY DETERGENT**

[54] **MELANGE DE POLYMERES POUR STABILISER UN DETERGENT A LESSIVE HAUTEMENT ALCALIN**

[72] BULL, JESSICA, US

[72] DOTZAUER, DAVID, US

[72] DUERRSCHMIDT, THOMAS, US

[72] CONRAD, GREGORY SCOTT, US

[72] HANTZSCH, ALYSSA ANA, US

[72] WEST, KELSEY, US

[71] ECOLAB USA INC., US

[85] 2021-07-16

[86] 2020-01-22 (PCT/US2020/014519)

[87] (WO2020/154347)

[30] US (62/795,138) 2019-01-22

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[13] A1

[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01)**

[25] EN

[54] **GLYCOSIDE-CONTAINING PEPTIDE LINKERS FOR ANTIBODY-DRUG CONJUGATES**

[54] **LIEURS DE PEPTIDES CONTENANT DU GLYCOSIDE POUR CONJUGUES ANTICORPS-MEDICAMENT**

[72] RABUKA, DAVID, US

[72] LIU, JUNJIE, US

[72] OGUNKOYA, AYODELE, US

[71] R.P. SCHERER TECHNOLOGIES, LLC, US

[85] 2021-07-16

[86] 2020-01-22 (PCT/US2020/014658)

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[30] US (62/795,875) 2019-01-23

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[51] **Int.Cl. F16M 11/04 (2006.01) F16M 13/00 (2006.01) G06F 1/16 (2006.01)**
[25] EN
[54] **MOUNTING SYSTEM, DEVICES, METHODS AND USES THEREOF**
[54] **SYSTEME DE MONTAGE, DISPOSITIFS, PROCEDES ET UTILISATIONS DE CEUX-CI**
[72] ROTH, DAVID, US
[71] CORE-ARMS, LLC, US
[85] 2021-07-16
[86] 2020-01-22 (PCT/US2020/014675)
[87] (WO2020/154449)
[30] US (62/795,539) 2019-01-22
[30] US (62/796,494) 2019-01-24
[30] US (62/877,270) 2019-07-22

[21] **3,127,100**
[13] A1

[51] **Int.Cl. G06Q 50/10 (2012.01) G06N 20/00 (2019.01) G01M 5/00 (2006.01) G05B 23/02 (2006.01)**
[25] EN
[54] **ANOMALY DETECTION FOR PREDICTIVE MAINTENANCE AND DERIVING OUTCOMES AND WORKFLOWS BASED ON DATA QUALITY**
[54] **DETECTION D'ANOMALIE POUR MAINTENANCE PREDICTIVE ET DEDUCTION DE RESULTATS ET DE FLUX DE TRAVAUX SUR LA BASE DE LA QUALITE DE DONNEES**
[72] GATTU, JAGADISH, US
[72] OHAD, NIMROD, US
[71] GE INSPECTION TECHNOLOGIES, LP, US
[85] 2021-07-16
[86] 2020-01-23 (PCT/US2020/014713)
[87] (WO2020/154461)
[30] US (62/797,076) 2019-01-25

[21] **3,127,104**
[13] A1

[51] **Int.Cl. E21B 17/10 (2006.01)**
[25] EN
[54] **CIRCUMFERENTIAL WEAR BANDS FOR OILFIELD TUBULARS**
[54] **BANDES D'USURE CIRCONFERENCELLES POUR ELEMENTS TUBULAIRES DE CHAMP PETROLIFERE**
[72] MOORE, RUSSEL, CA
[71] MOORE, RUSSEL, CA
[85] 2021-07-17
[86] 2020-01-27 (PCT/CA2020/000005)
[87] (WO2020/154793)
[30] US (62/797,934) 2019-01-28

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[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **REDUCING INTERFERENCE IN WIRELESS NETWORKS**
[54] **REDUCTION D'INTERFERENCE DANS DES RESEAUX SANS FIL**
[72] FANG, HUIYING, CN
[72] DAI, BO, CN
[72] BIAN, LUANJIAN, CN
[71] ZTE CORPORATION, CN
[85] 2021-07-17
[86] 2019-01-18 (PCT/CN2019/072333)
[87] (WO2020/034586)

[21] **3,127,109**
[13] A1

[51] **Int.Cl. G06K 19/04 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **RFID TAGS**
[54] **ETIQUETTES RFID**
[72] CRISTESCU, OVIDIU, GB
[72] PARKS, IAN, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2021-07-17
[86] 2020-01-15 (PCT/EP2020/050877)
[87] (WO2020/148315)
[30] GB (1900653.5) 2019-01-17

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[13] A1

[51] **Int.Cl. A61B 5/375 (2021.01) A61B 5/378 (2021.01) A61B 5/38 (2021.01)**
[25] EN
[54] **ATTENTION-BASED NEUROFEEDBACK TRAINING**
[54] **ENTRAINEMENT DU NEUROFEEDBACK BASE SUR L'ATTENTION**
[72] P.M. FIROUZABADI, S. MOHAMMAD, IR
[72] KHODAKARAMI, ZEYNAB, IR
[71] P.M. FIROUZABADI, S. MOHAMMAD, IR
[71] KHODAKARAMI, ZEYNAB, IR
[85] 2021-07-17
[86] 2020-01-30 (PCT/IB2020/050723)
[87] (WO2020/157686)
[30] US (62/798,518) 2019-01-30

[21] **3,127,112**
[13] A1

[51] **Int.Cl. G21D 1/00 (2006.01) B23D 53/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DISMANTLING FOR HEAVY WATER REACTOR FACILITIES**
[54] **APPAREIL ET PROCEDE DE DEMANTELEMENT D'UNE INSTALLATION DE REACTEUR A EAU LOURDE**
[72] HWANG, SEOK-JU, KR
[72] HWANG, YOUNG HWAN, KR
[72] HONG, SUNG-HOON, KR
[72] KIM, CHEON-WOO, KR
[71] KOREA HYDRO & NUCLEAR POWER CO., LTD., KR
[85] 2021-07-17
[86] 2020-01-08 (PCT/KR2020/000339)
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[21] **3,127,114**
[13] A1

[51] **Int.Cl. H04W 52/02 (2009.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SENDING AND RECEIVING WAKE UP SIGNAL, AND ELECTRONIC DEVICE**
[54] **PROCEDE ET DISPOSITIF D'ENVOI ET DE RECEPTION DE SIGNAL DE REVEIL, ET DISPOSITIF ELECTRONIQUE**
[72] LIU, XU, CN
[72] DAI, BO, CN
[72] SHA, XIUBIN, CN
[71] ZTE CORPORATION, CN
[85] 2021-07-19
[86] 2020-01-13 (PCT/CN2020/071802)
[87] (WO2020/147686)
[30] CN (201910108919.5) 2019-01-18

[21] **3,127,119**
[13] A1

[51] **Int.Cl. E21D 20/02 (2006.01) E21D 20/00 (2006.01)**
[25] EN
[54] **RESIN INJECTION DOLLY**
[54] **CHARIOT D'INJECTION DE RESINE**
[72] ROBERTS, TRENT ANDREW, AU
[72] ARNOT, JEREMY ROSS, AU
[71] FCI HOLDINGS DELAWARE, INC., US
[85] 2021-07-19
[86] 2020-02-13 (PCT/AU2020/050123)
[87] (WO2020/163916)
[30] AU (2019900457) 2019-02-13

[21] **3,127,120**
[13] A1

[51] **Int.Cl. H04R 9/02 (2006.01) H04R 9/04 (2006.01)**
[25] FR
[54] **SYSTEM FOR COOLING THE STATIONARY WINDING OF AN INDUCTION MOTOR**
[54] **SYSTEME DE REFROIDISSEMENT DE LA BOBINE FIXE D'UN MOTEUR INDUCTIF**
[72] QUERRY, HECTOR, CH
[72] HEISEL, GUILLAUME, CH
[72] HOFFET, ADRIEN, CH
[72] THULIEZ, JEAN-LUC, CH
[72] CROZIER, ETIENNE, CH
[72] ZIMMERMANN, ROBIN, CH
[71] OLTRAMARE, MICHEL, CH
[85] 2021-07-16
[86] 2020-02-06 (PCT/IB2020/050963)
[87] (WO2020/161669)
[30] CH (00136/19) 2019-02-06

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[13] A1

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[25] EN
[54] **PROGRAMMATIC ADVERTISING SERVER**
[54] **SERVEUR PUBLICITAIRE PROGRAMMATIQUE**
[72] SANTIAGO, MARC, US
[71] TIMEHOP, INC., US
[85] 2021-07-15
[86] 2020-01-17 (PCT/US2020/014203)
[87] (WO2020/150673)
[30] US (62/794,314) 2019-01-18

[21] **3,127,123**
[13] A1

[51] **Int.Cl. C05G 3/00 (2020.01) C05G 3/70 (2020.01) A01C 1/06 (2006.01) A01G 13/00 (2006.01) A01N 43/90 (2006.01) A01P 21/00 (2006.01) C05F 3/00 (2006.01) C05F 11/00 (2006.01) C05G 5/00 (2020.01) C09K 17/00 (2006.01)**
[25] EN
[54] **A SYSTEM FOR PROVIDING NUTRIENTS TO PLANTLETS**
[54] **SYSTEME POUR FOURNIR DES NUTRIMENTS A DES PLANTULES**
[72] TURPIN, KENNETH A., CA
[71] GLOBAL TREEGRO INC., CA
[85] 2021-07-19
[86] 2020-01-20 (PCT/CA2020/050059)
[87] (WO2020/150813)
[30] CA (3,031,110) 2019-01-21

[21] **3,127,124**
[13] A1

[51] **Int.Cl. C02F 1/04 (2006.01) B01D 1/00 (2006.01) C02F 1/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DESALINATING A SALTWATER USING A HUMIDIFIER UNIT**
[54] **PROCEDE ET SYSTEME DE DESSALEMENT D'EAU SALEE A L'AIDE D'UNE UNITE D'HUMIDIFICATEUR**
[72] SPARROW, BENJAMIN, CA
[72] TSIN, HENRY, CA
[72] LEE, JUSTIN DONGHOON, CA
[72] COLEMAN, ROSS, CA
[71] SALTWORKS TECHNOLOGIES INC., CA
[85] 2021-07-19
[86] 2020-01-22 (PCT/CA2020/050071)
[87] (WO2020/150820)
[30] US (62/795,704) 2019-01-23

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[13] A1

[51] **Int.Cl. B29C 48/13 (2019.01) B29C 48/25 (2019.01)**
[25] EN
[54] **FINNED MOLD BLOCK**
[54] **BLOC DE MOULAGE A AILETTES**
[72] LUPKE, MANFRED A. A., CA
[72] LUPKE, STEFAN A., CA
[71] LUPKE, MANFRED A. A., CA
[71] LUPKE, STEFAN A., CA
[85] 2021-07-19
[86] 2020-01-31 (PCT/CA2020/050116)
[87] (WO2020/154814)
[30] CA (3,032,164) 2019-01-31

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[13] A1

[51] **Int.Cl. H04L 1/18 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSMITTING INFORMATION**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION D'INFORMATIONS**
[72] ZHANG, SHUJUAN, CN
[72] LU, ZHAOHUA, CN
[72] JIANG, CHUANGXIN, CN
[72] LI, YU NGOK, CN
[72] WU, HAO, CN
[71] ZTE CORPORATION, CN
[85] 2021-07-19
[86] 2020-01-16 (PCT/CN2020/072351)
[87] (WO2020/147764)
[30] CN (201910049885.7) 2019-01-18

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[13] A1

[51] **Int.Cl. C07C 279/08 (2006.01) A61K 51/04 (2006.01) C07C 277/08 (2006.01)**
[25] EN
[54] **COMPOUND TARGETING NOREPINEPHRINE TRANSPORTER**
[54] **COMPOSE CIBLANT UN TRANSPORTEUR DE NOREPINEPHRINE**
[72] CHEN, XINYU, DE
[72] DECKER, MICHAEL, DE
[72] HIGUCHI, TAKAHIRO, DE
[71] GUANGZHOU MIPHERE MEDICAL TECHNOLOGY CO., LTD., CN
[85] 2021-07-19
[86] 2020-01-09 (PCT/EP2020/050406)
[87] (WO2020/148154)
[30] EP (19152274.7) 2019-01-17

[21] **3,127,128**
[13] A1

[51] **Int.Cl. C07D 295/067 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING 4-(2,2,3,3-TETRAFLUOROPROPYL)MORPHOLINE**
[54] **PROCEDE DE FABRICATION DE 4-(2,2,3,3-TETRAFLUOROPROPYL)MORPHOLINE**
[72] FEY, PETER, DE
[72] PAZENOK, SERGII, DE
[72] FUNKE, CHRISTIAN, DE
[72] KOLESNIK, NATALYA PAVLOVNA, UA
[72] GUZYR, OLEXANDR IVANOVICH, UA
[72] SHERMOLOVICH, YURIY GRIGORIEVICH, UA
[71] ADVERIO PHARMA GMBH, DE
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[86] 2020-01-15 (PCT/EP2020/050928)
[87] (WO2020/152010)
[30] EP (19153061.7) 2019-01-22

[21] **3,127,129**
[13] A1

[51] **Int.Cl. B27B 5/29 (2006.01) B27B 7/04 (2006.01)**
[25] EN
[54] **NON-CONTACT TEMPERATURE SENSOR FOR SAW GUIDES**
[54] **CAPTEUR DE TEMPERATURE SANS CONTACT POUR GUIDES DE SCIE**
[72] VOGT, NALYND, CA
[72] BERGEN, CARRICK, CA
[71] PRECISION GUIDE MACHINERY AND REPAIR LIMITED, CA
[85] 2021-07-19
[86] 2020-02-03 (PCT/CA2020/050123)
[87] (WO2020/160645)
[30] US (62/801,084) 2019-02-04

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[13] A1

[51] **Int.Cl. C07D 403/14 (2006.01) A61K 31/416 (2006.01) A61K 31/4745 (2006.01) A61K 31/519 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/12 (2006.01) C07D 401/04 (2006.01) C07D 403/12 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 487/10 (2006.01)**
[25] EN
[54] **HEXONE GLUCOKINASE INHIBITOR AND USE THEREOF**
[54] **INHIBITEUR DE GLYCOKINASE HEXANONE ET SON UTILISATION**
[72] LIU, BIN, CN
[72] CHEN, BO, CN
[71] SHANDONG XUANZHU PHARMA CO., LTD., CN
[71] XUANZHU BIOPHARMACEUTICAL CO., LTD., CN
[85] 2021-07-19
[86] 2020-01-22 (PCT/CN2020/073813)
[87] (WO2020/156445)
[30] CN (201910085547.9) 2019-01-29
[30] CN (201910316417.1) 2019-04-19
[30] CN (201910985433.X) 2019-10-17

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[13] A1

[51] **Int.Cl. E04B 2/88 (2006.01)**
[25] EN
[54] **SEISMIC ANCHOR FOR CURTAIN WALLS**
[54] **ANCRAGE SISMIQUE POUR MURS-RIDEAUX**
[72] RICHARD, MICHAEL WILLIAM, CA
[71] RICHARD, MICHAEL WILLIAM, CA
[85] 2021-07-19
[86] 2020-01-21 (PCT/CA2020/050069)
[87] (WO2020/150818)
[30] CA (3,030,735) 2019-01-21

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[13] A1

[51] **Int.Cl. G06K 7/00 (2006.01)**
[25] EN
[54] **SYSTEM OF CODED PACKAGE AND APPARATUS**
[54] **SYSTEME D'EMBALLAGE CODE ET APPAREIL**
[72] DUBIEF, FLAVIEN, CH
[72] CECCAROLI, STEFANO, CH
[72] PINDJUROV, RISTE, CH
[72] JACCARD, SANDRINE, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2021-07-19
[86] 2020-01-20 (PCT/EP2020/051303)
[87] (WO2020/156861)
[30] EP (19153911.3) 2019-01-28

[21] **3,127,136**
[13] A1

[51] **Int.Cl. H04N 19/82 (2014.01) H04N 19/186 (2014.01)**
[25] EN
[54] **SIGNALING OF IN-LOOP RESHAPING INFORMATION USING PARAMETER SETS**
[54] **SIGNALISATION D'INFORMATIONS DE REMODELAGE EN BOUCLE A L'AIDE D'ENSEMBLES DE PARAMETRES**
[72] ZHANG, LI, US
[72] ZHANG, KAI, US
[72] LIU, HONGBIN, CN
[72] XU, JIZHENG, US
[72] WANG, YUE, CN
[71] BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., CN
[71] BYTEDANCE INC., US
[85] 2021-07-19
[86] 2020-02-01 (PCT/CN2020/074139)
[87] (WO2020/156529)
[30] CN (PCT/CN2019/074437) 2019-02-01

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[13] A1

[51] **Int.Cl. C12N 15/10 (2006.01)**
[25] EN
[54] **A METHOD FOR SCREENING OF AN IN VITRO DISPLAY LIBRARY WITHIN A CELL**
[54] **PROCEDE DE CRIBLAGE D'UNE BANQUE D'AFFICHAGE IN VITRO DANS UNE CELLULE**
[72] HANSEN, NILS, JAKOB, VEST, DK
[72] ANDERSEN, JACOB, DK
[72] KRISTENSEN, OLE, DK
[72] CHRISTENSEN, ALLAN, BECK, DK
[72] PETERSEN, LARS, KOLSTER, DK
[71] VIPERGEN APS, DK
[85] 2021-07-19
[86] 2020-01-16 (PCT/EP2020/051047)
[87] (WO2020/152028)
[30] EP (19153025.2) 2019-01-22

[21] **3,127,138**
[13] A1

[51] **Int.Cl. E06B 9/42 (2006.01)**
[25] EN
[54] **ROLLER BLIND ACTUATION MECHANISM, SPOOL HOUSING ASSEMBLY AND CABLE-COVERING TUBE SYSTEM FOR A ROLLER BLIND ACTUATION ASSEMBLY**
[54] **MECANISME D'ACTIONNEMENT DE STORE A ENROULEMENT, ENSEMBLE BOITIER DE BOBINE ET SYSTEME DE TUBE DE RECOUVREMENT DE CABLE POUR UN ENSEMBLE D'ACTIONNEMENT DE STORE A ENROULEMENT**
[72] FRANCOEUR, ALAIN, CA
[72] ARCHAMBAULT, AUGUSTIN, CA
[71] 7912854 CANADA INC., CA
[85] 2021-07-19
[86] 2020-02-04 (PCT/CA2020/050134)
[87] (WO2020/160651)
[30] US (62/800,718) 2019-02-04

[21] **3,127,141**
[13] A1

[51] **Int.Cl. G01N 33/58 (2006.01) C09K 11/07 (2006.01) G01N 35/00 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **ADVANCED METHODS FOR AUTOMATED HIGH-PERFORMANCE IDENTIFICATION OF CARBOHYDRATES AND CARBOHYDRATE MIXTURE COMPOSITION PATTERNS AND SYSTEMS THEREFORE AS WELL AS METHODS FOR CALIBRATION OF MULTI WAVELENGTH FLUORESCENCE DETECTION SYSTEMS THEREFORE, BASED ON NEW FLUORESCENT DYES**
[54] **METHODES AVANCEES D'IDENTIFICATION HAUTE PERFORMANCE AUTOMATISEE DE GLUCIDES ET DE MOTIFS DE COMPOSITION DE MELANGE DE GLUCIDES ET SYSTEMES CORRESPONDANTS, AINSI QUE METHODES D'ET ALONNAGE DE SYSTEMES DE DETECTION DE FLUORESCENCE A LONGUEURS D'ONDE MULTIPLES CORRESPONDANTES, FONDEES SUR DE NOUVEAUX COLORANTS FLUORESCENTS**
[72] RAPP, ERDMANN, DE
[72] HENNIG, RENE, DE
[72] REICHL, UDO, DE
[72] HELL, STEFAN, DE
[72] BELOV, VLADIMIR, DE
[72] BISCHOFF, MATTHIAS, DE
[72] MEINEKE, DIRK, DE
[72] THOMAS, LAURA, DE
[72] KOLMAKOV, KIRILL, DE
[72] MITRONOVA, GYUZEL, DE
[72] SAVICHEVA, ELIZAVETA, RU
[71] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE
[85] 2021-07-19
[86] 2019-01-21 (PCT/EP2019/051351)
[87] (WO2020/151799)

PCT Applications Entering the National Phase

[21] **3,127,143**
[13] A1

[51] **Int.Cl. C09D 1/00 (2006.01) H01M 4/13 (2010.01) H01M 10/0525 (2010.01) C23C 26/00 (2006.01) H01M 4/62 (2006.01)**

[25] EN

[54] **PROTECTIVE MATERIAL FOR A LITHIUM METAL ANODE: METHOD FOR ITS PREPARATION AND USE**

[54] **MATERIAU DE PROTECTION POUR ANODE METALLIQUE AU LITHIUM : PROCEDE POUR SA PREPARATION ET SON UTILISATION**

[72] PAOLELLA, ANDREA, CA
[72] GAGNON, CATHERINE, CA
[72] PEREA, ALEXIS, CA
[72] GUERFI, ABDELBAST, CA
[72] ZAGHIB, KARIM, CA
[71] HYDRO-QUEBEC, CA
[85] 2021-07-19
[86] 2020-04-06 (PCT/CA2020/050456)
[87] (WO2020/206531)
[30] US (62/830,777) 2019-04-08

[21] **3,127,145**
[13] A1

[51] **Int.Cl. B65F 1/00 (2006.01) B65F 1/10 (2006.01) B65F 1/14 (2006.01)**

[25] EN

[54] **APPARATUS FOR THE SEPARATE COLLECTION OF RUBBISH**

[54] **APPAREIL PERMETTANT LA COLLECTE SEPARÉE DE DECHETS**

[72] SANNA, ALBERTO, IT
[71] REPOD S.R.L., IT
[85] 2021-07-19
[86] 2019-12-24 (PCT/EP2019/087010)
[87] (WO2020/151895)
[30] IT (102019000001039) 2019-01-24

[21] **3,127,146**
[13] A1

[51] **Int.Cl. G01N 15/04 (2006.01) G01N 33/543 (2006.01) G01N 15/00 (2006.01)**

[25] EN

[54] **METHOD FOR DETERMINING PHYSICO-CHEMICAL PROPERTIES OF NANOSCALE SYSTEMS (NSS)**

[54] **PROCEDE DE DETERMINATION DE PROPRIETES PHYSICO-CHIMIQUES DE SYSTEMES NANOMETRIQUES (NSS)**

[72] ENGLERT, CHRISTOPH, DE
[72] LEHMANN, MARC, DE
[72] NISCHANG, IVO, DE
[72] SCHUBERT, ULRICH, DE
[71] SMARTDYELIVERY GMBH, DE
[85] 2021-07-19
[86] 2020-02-05 (PCT/EP2020/052816)
[87] (WO2020/164983)
[30] EP (19157202.3) 2019-02-14

[21] **3,127,147**
[13] A1

[51] **Int.Cl. F17C 6/00 (2006.01)**

[25] EN

[54] **METHOD AND FILLING DEVICE FOR FILLING A TRANSPORT TANK**

[54] **PROCEDE ET DISPOSITIF DE REMPLISSAGE PERMETTANT DE REMPLIR UN RESERVOIR DE TRANSPORT**

[72] DECKER, LUTZ, CH
[72] KNOCHE, MARTIN, CH
[72] MULLER, RENE, DE
[71] LINDE GMBH, DE
[85] 2021-07-19
[86] 2020-01-24 (PCT/EP2020/025029)
[87] (WO2020/156755)
[30] GB (1901254.1) 2019-01-30

[21] **3,127,150**
[13] A1

[51] **Int.Cl. C07D 221/20 (2006.01) A01N 43/42 (2006.01) A01P 13/00 (2006.01)**

[25] EN

[54] **SUBSTITUTED AZASPIRO-CYCLES AS HERBICIDES**

[54] **CYCLES AZASPIRO SUBSTITUES UTILISES EN TANT QU'HERBICIDES**

[72] HENNESSY, ALAN JOSEPH, GB
[72] JONES, ELIZABETH PEARL, GB
[72] DALE, SUZANNA, GB
[72] GREGORY, ALEXANDER WILLIAM, GB
[72] HOULSBY, IAN THOMAS TINMOUTH, GB
[72] BHONOA, YUNAS, GB
[72] COMAS-BARCELO, JULIA, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2021-07-19
[86] 2020-02-12 (PCT/EP2020/053569)
[87] (WO2020/165233)
[30] GB (1901961.1) 2019-02-13

[21] **3,127,151**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/4174 (2006.01) A61K 47/34 (2017.01) A61P 31/10 (2006.01)**

[25] EN

[54] **SINGLE-DOSE PACKAGED CLOTRIMAZOLE LIQUID COMPOSITION**

[54] **COMPOSITION LIQUIDE DE CLOTRIMAZOLE DANS UN EMBALLAGE A DOSE UNIQUE**

[72] TERRAZ MENDOZA, MARIA MAR, ES
[72] SANAGUSTIN AQUILUE, JAVIER, ES
[72] TELLEZ MOLINA, ADOLFO, ES
[72] DELGADO GANAN, MARIA ISABEL, ES
[71] LABORATORIOS SALVAT, S.A., ES
[85] 2021-07-19
[86] 2020-02-18 (PCT/EP2020/054250)
[87] (WO2020/169611)
[30] EP (19382120.4) 2019-02-19

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[21] **3,127,152**
[13] A1

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/4192 (2006.01) A61P 31/20 (2006.01)**

[25] EN

[54] **AMIDE DERIVATIVES USEFUL IN THE TREATMENT OF HBV INFECTION OR HBV-INDUCED DISEASES**

[54] **DERIVES D'AMIDE UTILES DANS LE TRAITEMENT D'UNE INFECTION PAR LE VIRUS DE L'HEPATITE B OU DE MALADIES INDUITES PAR LE VIRUS DE L'HEPATITE B**

[72] LAST, STEFAAN JULIEN, BE

[72] KESTELEYN, BART RUDOLF ROMANIE, BE

[72] GROSSE, SANDRINE CELINE, BE

[72] JONCKERS, TIM HUGO MARIA, BE

[72] BERKE, JAN MARTIN, BE

[72] HACHE, GEERWIN YVONNE PAUL, BE

[72] JACOBY, EDGAR, BE

[72] LECOMTE, MORGAN CHARLES R., BE

[72] MARTINEZ LAMENCA, CAROLINA, BE

[72] TAHRI, ABDELLAH, BE

[72] VERGAUWEN, KAREN MAYA, BE

[72] SAUVILLER, SARAH, BE

[71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE

[85] 2021-07-19

[86] 2020-02-21 (PCT/EP2020/054582)

[87] (WO2020/169784)

[80] EP (19158758.3) 2019-02-22

[30] EP (19159717.8) 2019-02-27

[21] **3,127,156**
[13] A1

[51] **Int.Cl. F41A 17/56 (2006.01) F41A 7/06 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR SECURING A WEAPON**

[54] **DISPOSITIF ET METHODE POUR ASSURER UNE ARME**

[72] DELGADO ACARRETA, RAUL, ES

[72] LORENTE ALGORA, DIEGO, ES

[72] PUERTOLAS SANZ, DAVID, ES

[72] ATRIAN BLASCO, JAVIER, ES

[71] RADE TECNOLOGIAS, S.L., ES

[85] 2021-07-19

[86] 2019-11-12 (PCT/ES2019/070774)

[87] (WO2020/152375)

[30] EP (19382041.2) 2019-01-21

[21] **3,127,157**
[13] A1

[51] **Int.Cl. E21C 35/183 (2006.01) E21C 35/18 (2006.01)**

[25] EN

[54] **PICK TOOL FOR ROAD MILLING**

[54] **OUTIL DE PIQUAGE POUR FRAISAGE DE CHAUSSEE**

[72] WEINBACH, ERIC, DE

[72] RIES, BERND HEINRICH, DE

[71] ELEMENT SIX GMBH, DE

[85] 2021-07-19

[86] 2020-02-06 (PCT/EP2020/052944)

[87] (WO2020/161218)

[30] GB (1901712.8) 2019-02-07

[21] **3,127,161**
[13] A1

[51] **Int.Cl. A47C 1/124 (2006.01)**

[25] EN

[54] **CHAIR LINKING SYSTEM**

[54] **SYSTEME DE LIAISON DE CHAISE**

[72] JINGBO, LIU, CN

[71] ZHUHAI SHICHANG METALS LTD., CN

[85] 2021-07-19

[86] 2020-01-16 (PCT/IB2020/050335)

[87] (WO2020/148696)

[30] US (16/250,154) 2019-01-17

[21] **3,127,172**
[13] A1

[51] **Int.Cl. G01N 21/47 (2006.01) G01N 15/02 (2006.01) G01N 15/10 (2006.01) G01N 21/01 (2006.01) G01N 21/17 (2006.01) G01N 33/24 (2006.01)**

[25] EN

[54] **OBTAINING DATA FROM A MOVING PARTICULATE PRODUCT**

[54] **OBTENTION DE DONNEES A PARTIR D'UN PRODUIT PARTICULAIRE MOBILE**

[72] DU PLESSIS, FRANCOIS EBERHARDT, ZA

[72] LE ROUX, PIETER, ZA

[72] THERON, PIETER, ZA

[71] BLUE CUBE TECHNOLOGY (PTY) LTD, ZA

[85] 2021-07-19

[86] 2020-01-23 (PCT/IB2020/050511)

[87] (WO2020/152609)

[30] ZA (2019/00491) 2019-01-24

[21] **3,127,175**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/4184 (2006.01) A61K 31/4375 (2006.01) A61K 31/4409 (2006.01) A61K 31/454 (2006.01) A61K 31/498 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61P 17/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **USE OF TOPICAL BRAF INHIBITOR COMPOSITIONS FOR TREATMENT OF RADIATION DERMATITIS**

[54] **UTILISATION DE COMPOSITIONS TOPIQUES D'INHIBITEUR DE BRAF POUR LE TRAITEMENT D'UNE RADIODERMATITE**

[72] SHELACH, NOA, IL

[72] LOWENTON-SPIER, NOA, IL

[71] LUTRIS PHARMA LTD., IL

[85] 2021-07-19

[86] 2020-02-11 (PCT/IB2020/051073)

[87] (WO2020/165755)

[30] US (62/804,235) 2019-02-12

[21] **3,127,176**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) A61P 35/00 (2006.01)**

[25] EN

[54] **METHODS FOR IMPROVED IMMUNOTHERAPY**

[54] **PROCEDES D'IMMUNOTHERAPIE AMELIOREE**

[72] LEVITE, MIA, IL

[71] LEVITE, MIA, IL

[85] 2021-07-19

[86] 2019-01-24 (PCT/IL2019/050104)

[87] (WO2019/145956)

[30] US (62/621,805) 2018-01-25

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[21] **3,127,179**
[13] A1

[51] **Int.Cl. G02B 27/00 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **HIGHLY EFFICIENT COMPACT HEAD-MOUNTED DISPLAY SYSTEM HAVING SMALL INPUT APERTURE**
[54] **SYSTEME D'AFFICHAGE MONTE SUR LA TETE COMPACT ET HAUTEMENT EFFICACE AYANT UNE PETITE OUVERTURE D'ENTREE**
[72] AMITAI, YAAKOV, IL
[71] OORYM OPTICS LTD., IL
[85] 2021-07-19
[86] 2020-01-27 (PCT/IL2020/050101)
[87] (WO2020/157747)
[30] IL (264551) 2019-01-29

[21] **3,127,181**
[13] A1

[51] **Int.Cl. H04W 28/06 (2009.01) H04W 36/08 (2009.01) H04W 76/10 (2018.01) H04W 76/20 (2018.01) H04W 76/30 (2018.01)**
[25] EN
[54] **NETWORK NODE**
[54] **NŃUD DE RESEAU**
[72] TAKAHASHI, HIDEAKI, JP
[72] MIN, TIANYANG, JP
[72] TANIGUCHI, MASATO, JP
[71] NTT DOCOMO, INC., JP
[85] 2021-07-19
[86] 2019-03-06 (PCT/JP2019/008965)
[87] (WO2020/179035)

[21] **3,127,183**
[13] A1

[51] **Int.Cl. B01D 33/04 (2006.01) B01D 33/056 (2006.01) B01D 33/66 (2006.01)**
[25] EN
[54] **FILTRATION APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE FILTRATION**
[72] MELHUS, TROND, NO
[71] PRO-FLO AS, NO
[85] 2021-07-19
[86] 2019-02-15 (PCT/EP2019/053789)
[87] (WO2020/164730)

[21] **3,127,186**
[13] A1

[51] **Int.Cl. G01C 21/00 (2006.01) B64C 39/02 (2006.01) G01C 21/20 (2006.01) G05D 1/02 (2020.01) G08G 5/00 (2006.01)**
[25] FR
[54] **LOCATING METHOD**
[54] **PROCEDE DE LOCALISATION**
[72] COLAS, CHARLES, FR
[72] AVANZINI, PIERRE, FR
[71] HARDIS GROUPE, FR
[71] SQUADRON SYSTEM, FR
[85] 2021-07-19
[86] 2020-01-28 (PCT/FR2020/050127)
[87] (WO2020/157425)
[30] FR (1900750) 2019-01-28

[21] **3,127,187**
[13] A1

[51] **Int.Cl. C09D 11/52 (2014.01) C09D 11/033 (2014.01) C09D 11/104 (2014.01) C09D 7/20 (2018.01) C09D 7/40 (2018.01)**
[25] EN
[54] **STRETCHABLE ELECTRICALLY CONDUCTIVE INK COMPOSITIONS**
[54] **COMPOSITIONS D'ENCRE ELECTROCONDUCTRICES ETIRABLES**
[72] CROSS, ROBERT P., US
[72] ZHANG, WENHUA, US
[72] YANG, ZHAN HANG, US
[72] OUYANG, JIANGBO, US
[72] CHEN, YU, US
[72] HURLBURT, LYNNETTE M., US
[72] GUSTAFSON, DAREL L., US
[71] HENKEL IP & HOLDING GMBH, DE
[85] 2021-07-19
[86] 2019-12-18 (PCT/US2019/067092)
[87] (WO2020/149976)
[30] US (62/794,181) 2019-01-18

[21] **3,127,188**
[13] A1

[51] **Int.Cl. A61K 51/08 (2006.01)**
[25] EN
[54] **PEPTIDE PET/SPECT PROBES SPECIFIC TO ONCOPROTEINS IN TUMOR EXTRACELLULA MATRIX**
[54] **SONDES PEPTIDIQUES PET/SPECT SPECIFIQUES DES ONCOPROTEINES DANS LA MATRICE EXTRACELLULAIRE TUMORALE**
[72] LU, ZHENG-RONG, US
[72] GAO, SONGQI, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
[85] 2021-07-19
[86] 2020-01-17 (PCT/US2020/014110)
[87] (WO2020/150617)
[30] US (62/793,789) 2019-01-17

[21] **3,127,190**
[13] A1

[51] **Int.Cl. G01M 7/02 (2006.01) G01M 7/08 (2006.01) G01N 29/04 (2006.01) G01N 29/34 (2006.01) G01N 29/36 (2006.01) G01N 29/46 (2006.01)**
[25] EN
[54] **HIGH INTENSITY VIBRATION TESTING USING AN EMPIRICALLY MODIFIED REFERENCE SPECIFICATION AND METHOD THEREOF**
[54] **ESSAI DE VIBRATION A HAUTE INTENSITE UTILISANT UNE SPECIFICATION DE REFERENCE MODIFIEE EMPIRIQUEMENT ET PROCEDE ASSOCIE**
[72] UNDERWOOD, MARCOS, US
[71] UNDERWOOD, MARCOS, US
[85] 2021-07-19
[86] 2020-01-21 (PCT/US2020/014422)
[87] (WO2020/150731)
[30] US (62/794,564) 2019-01-19

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[21] **3,127,191**
[13] A1

[51] **Int.Cl. B01L 3/14 (2006.01) B01D 43/00 (2006.01) B01L 3/00 (2006.01)**

[25] EN

[54] **METHODS, SYSTEMS AND APPARATUS FOR SEPARATING COMPONENTS OF A BIOLOGICAL SAMPLE**

[54] **PROCEDE, SYSTEME ET APPAREIL POUR SEPARER DES COMPOSANTS D'UN ECHANTILLON BIOLOGIQUE**

[72] BATRA, SANJAY, US

[72] CELLUCCI, ELIZABETH G., US

[72] BATRA, JUSTIN JOSEPH, US

[72] BATRA, JAYA KRISHNA ROSE, US

[71] ECLIPSE MEDCORP, LLC, US

[85] 2021-07-20

[86] 2020-01-21 (PCT/US2020/014446)

[87] (WO2020/154305)

[30] US (62/794,961) 2019-01-21

[21] **3,127,212**
[13] A1

[51] **Int.Cl. B25J 15/00 (2006.01) B25J 9/00 (2006.01) B25J 18/00 (2006.01) B25J 18/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR A TELESCOPING SUCTION GRIPPER ASSEMBLY**

[54] **SYSTEMES ET PROCEDES POUR ENSEMBLE PINCE A ASPIRATION TELESCOPIQUE**

[72] SCHULTZ, CARTER J., US

[72] LEACH, BRIAN J., US

[72] KEE, ALEXANDER C., US

[72] HOROWITZ, MATANYA B., US

[72] BAYBUTT, MARK, US

[71] AMP ROBOTICS CORPORATION, US

[85] 2021-07-16

[86] 2020-04-08 (PCT/US2020/027199)

[87] (WO2020/219268)

[30] US (62/838,746) 2019-04-25

[21] **3,127,214**
[13] A1

[51] **Int.Cl. B25J 15/00 (2006.01) B25J 9/00 (2006.01) B25J 18/00 (2006.01) B25J 18/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR AN ARTICULATED SUCTION GRIPPER ASSEMBLY**

[54] **SYSTEMES ET PROCEDES POUR ENSEMBLE PINCE A VENTOUSE ARTICULEE**

[72] SCHULTZ, CARTER J., US

[72] LEACH, BRIAN J., US

[72] KEE, ALEXANDER C., US

[72] HOROWITZ, MATANYA B., US

[72] BAYBUTT, MARK, US

[71] AMP ROBOTICS CORPORATION, US

[85] 2021-07-16

[86] 2020-04-23 (PCT/US2020/029579)

[87] (WO2020/219717)

[30] US (62/838,746) 2019-04-25

[21] **3,127,195**
[13] A1

[51] **Int.Cl. C01B 11/02 (2006.01)**

[25] EN

[54] **CONDUCTIVITY CONTROL OF AQUEOUS CHEMICAL DOSING IN WATER TREATMENT SYSTEMS**

[54] **CONTROLE DE LA CONDUCTIVITE DE DOSAGE CHIMIQUE AQUEUX DANS DES SYSTEMES DE TRAITEMENT DE L'EAU**

[72] SAMPSON, RICHARD, US

[72] SAMPSON, ALLISON, US

[72] MIALKOWSKI, JAMES ANDREW, US

[72] NIETO, MAURICIO MATA, US

[71] DRIPPING WET WATER, INC., US

[85] 2021-08-11

[86] 2020-02-18 (PCT/US2020/018616)

[87] (WO2020/172151)

[30] US (62/807,559) 2019-02-19

[30] US (16/791,611) 2020-02-14

[21] **3,127,213**
[13] A1

[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/30 (2015.01)**

[25] EN

[54] **DORSALLY-DERIVED OLIGODENDROCYTE PROGENITOR CELLS FROM HUMAN PLURIPOTENT STEM CELLS**

[54] **CELLULES PROGENITRICES D'OLIGODENDROCYTES DERIVEES DU DOS A PARTIR DE CELLULES SOUCHES PLURIPOTENTES HUMAINES**

[72] ONISHI, KENTO, US

[72] MANLEY, NATHAN C., US

[72] HALBERSTADT, CRAIG R., US

[72] WHITELEY, ERIK M., US

[71] ASTERIAS BIOTHERAPEUTICS, INC., US

[85] 2021-07-19

[86] 2020-01-23 (PCT/US2020/014834)

[87] (WO2020/154533)

[30] US (62/796,077) 2019-01-23

[21] **3,127,215**
[13] A1

[51] **Int.Cl. A61M 25/06 (2006.01) A61M 25/00 (2006.01) A61M 25/02 (2006.01) A61M 25/04 (2006.01) A61M 25/10 (2013.01)**

[25] EN

[54] **INTERNAL BALLOON SHEATH**

[54] **GAINE DE BALLONNET INTERNE**

[72] FANTUZZI, GLEN R., US

[71] ABIOMED, INC., US

[85] 2021-07-19

[86] 2020-01-28 (PCT/US2020/015314)

[87] (WO2020/159921)

[30] US (62/797,527) 2019-01-28

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[21] **3,127,216**
[13] A1

[51] **Int.Cl. H04N 19/179 (2014.01) H04N 21/2343 (2011.01) H04N 19/115 (2014.01) H04N 19/147 (2014.01) H04N 19/149 (2014.01)**

[25] EN

[54] **TECHNIQUES FOR EFFICIENTLY PERFORMING SUBSEQUENCE-BASED ENCODING FOR A MEDIA TITLE**

[54] **TECHNIQUES POUR EFFECTUER EFFICACEMENT UN CODAGE BASE SUR UNE SOUS-SEQUENCE POUR UN TITRE MULTIMEDIA**

[72] WALLEENDAEL, GLENN VAN, US
[72] AARON, ANNE, US
[72] SWANSON, KYLE, US
[72] DE COCK, JAN, US
[72] GUO, LIWEI, US
[72] BHASKAR, SONIA, US
[71] NETFLIX, INC., US
[85] 2021-07-19
[86] 2020-02-04 (PCT/US2020/016528)
[87] (WO2020/163289)
[30] US (62/800,934) 2019-02-04
[30] US (16/780,752) 2020-02-03

[21] **3,127,217**
[13] A1

[51] **Int.Cl. C08G 18/42 (2006.01) C08G 18/08 (2006.01) C08J 9/12 (2006.01) C08J 9/14 (2006.01)**

[25] EN

[54] **THERMOSETTING FOAMS HAVING IMPROVED INSULATING VALUE**

[54] **MOUSSES THERMODURCISSABLES PRESENTANT UNE VALEUR D'ISOLATION AMELIOREE**

[72] YU, BIN, US
[72] HULSE, RYAN, US
[71] HONEYWELL INTERNATIONAL INC., US
[85] 2021-07-19
[86] 2020-01-31 (PCT/US2020/016010)
[87] (WO2020/160346)
[30] US (62/800,022) 2019-02-01

[21] **3,127,218**
[13] A1

[51] **Int.Cl. B65G 45/00 (2006.01) B08B 9/057 (2006.01) B65G 51/00 (2006.01)**

[25] EN

[54] **METHOD FOR MINIMIZING MATERIAL MIXING DURING TRANSITIONS IN A MATERIAL PROCESSING SYSTEM**

[54] **PROCEDE DESTINE A REDUIRE AU MINIMUM LE MELANGE DE MATERIAUX PENDANT LES TRANSITIONS DANS UN SYSTEME DE TRAITEMENT DE MATERIAUX**

[72] MATHEWS, JEFFREY D., US
[72] FOUNTAIN, GERALD OLEAN, US
[72] CASASNOVAS, JOHNNY, US
[71] TROPICANA PRODUCTS, INC., US
[85] 2021-07-19
[86] 2020-02-05 (PCT/US2020/016818)
[87] (WO2020/171956)
[30] US (62/806,935) 2019-02-18

[21] **3,127,220**
[13] A1

[51] **Int.Cl. C07C 227/14 (2006.01) A61K 31/198 (2006.01) C07C 227/20 (2006.01) C07C 229/36 (2006.01) C07C 229/42 (2006.01)**

[25] EN

[54] **SYNTHESIS OF 4-CHLOROKYNURENINES AND INTERMEDIATES**

[54] **SYNTHESE DE 4-CHLOROKYNURENINES ET INTERMEDIAIRES**

[72] LEVIN, DANIEL, US
[72] LEEMING, PETER, US
[72] EISENREICH, EMERICH, US
[72] LIU, XUEJUN KARL, US
[71] VISTAGEN THERAPEUTICS, INC., US
[85] 2021-07-19
[86] 2019-02-11 (PCT/US2019/017448)
[87] (WO2019/157426)
[30] US (62/628,580) 2018-02-09

[21] **3,127,221**
[13] A1

[51] **Int.Cl. E05B 65/00 (2006.01)**

[25] EN

[54] **PANIC BAR LATCH RELEASE ASSEMBLY**

[54] **ENSEMBLE DE LIBERATION DE VERROU DE BARRE ANTI-PANIQUE**

[72] GREWE, BRIAN, US
[72] MITCHELL, BRETT A, US
[72] FINKELSTEIN, BURL, US
[71] KASON INDUSTRIES, INC., US
[85] 2021-07-19
[86] 2020-01-29 (PCT/US2020/015527)
[87] (WO2020/160060)
[30] US (16/260,182) 2019-01-29

[21] **3,127,222**
[13] A1

[51] **Int.Cl. G01F 1/66 (2006.01)**

[25] EN

[54] **ULTRASONIC WATER METER CONFIGURED TO FACILITATE MEASUREMENT ELECTRONICS REPLACEMENT**

[54] **COMPTEUR D'EAU A ULTRASONS CONCU POUR FACILITER LE REMPLACEMENT DE L'ELECTRONIQUE DE MESURE**

[72] STUYVENBERG, MATTHEW, US
[72] METZGER, ERIC M., US
[72] ELLERSTON, CHAD MICHAEL, US
[71] BADGER METER, INC., US
[85] 2021-07-20
[86] 2020-02-12 (PCT/US2020/017926)
[87] (WO2020/172021)
[30] US (16/278,296) 2019-02-18

[21] **3,127,223**
[13] A1

[51] **Int.Cl. G05B 13/04 (2006.01)**

[25] EN

[54] **PROCESS CONTROL**

[54] **COMMANDE DE TRAITEMENT**

[72] PARRISH, JOHN ROBERTS, US
[72] MORROW, JR., DONALD ALEXANDER, US
[72] NELSON, MARK LOUIS, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2021-07-19
[86] 2020-01-29 (PCT/US2020/015563)
[87] (WO2020/160078)
[30] US (62/799,367) 2019-01-31

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[51] **Int.Cl. A61K 31/65 (2006.01) A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/38 (2006.01) A61P 17/02 (2006.01)**

[25] EN

[54] **TOPICAL DOXYCYCLINE HYDROGEL WITH IMPROVED LONG-TERM STABILITY**

[54] **HYDROGEL TOPIQUE DE DOXYCYCLINE AYANT UNE STABILITE A LONG TERME AMELIOREE**

[72] TALTON, JAMES, US

[71] NANOPHARMACEUTICS, INC., US

[85] 2021-07-19

[86] 2019-09-02 (PCT/US2019/049257)

[87] (WO2021/034334)

[30] US (16/547,658) 2019-08-22

[21] **3,127,225**
[13] A1

[51] **Int.Cl. A61M 39/06 (2006.01) A61M 25/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ENDOLUMINAL DEVICE TREATMENT**

[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE DISPOSITIF ENDOLUMINAL**

[72] GOEPFRICH, JAMES L., US

[72] KARINIEMI, THOMAS E., US

[72] MONTGOMERY, WILLIAM D., US

[72] SHAW, EDWARD E., US

[71] W.L. GORE & ASSOCIATES, INC., US

[85] 2021-07-19

[86] 2020-01-17 (PCT/US2020/014107)

[87] (WO2020/154195)

[30] US (62/794,825) 2019-01-21

[21] **3,127,226**
[13] A1

[51] **Int.Cl. H04W 74/00 (2009.01) H04W 74/08 (2009.01)**

[25] EN

[54] **SIGNALING OF TRANSMISSION PARAMETERS**

[54] **SIGNALISATION DE PARAMETRES DE TRANSMISSION**

[72] SARKIS, GABI, US

[72] LEI, JING, US

[72] MANOLAKOS, ALEXANDROS, US

[72] RICO ALVARINO, ALBERTO, US

[72] LI, CHIH-PING, US

[72] HOSSEINI, SEYEDKIANOUSH, US

[71] QUALCOMM INCORPORATED, US

[85] 2021-07-19

[86] 2020-02-06 (PCT/US2020/016985)

[87] (WO2020/163579)

[30] GR (20190100065) 2019-02-07

[30] US (16/783,149) 2020-02-05

[21] **3,127,227**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01)**

[25] EN

[54] **SYSTEM AND METHOD OF MANAGING CARRYBACK IN SURFACE HAULAGE**

[54] **SYSTEME ET PROCEDE DE GESTION DE RESIDUS DANS LE TRANSPORT DE SURFACE**

[72] HENDRICKS, CARL F. B., AU

[71] CATERPILLAR INC., US

[85] 2021-07-19

[86] 2020-01-21 (PCT/US2020/014310)

[87] (WO2020/159739)

[30] US (16/262,145) 2019-01-30

[21] **3,127,229**
[13] A1

[51] **Int.Cl. B60P 1/28 (2006.01) B60S 3/04 (2006.01) E02F 9/26 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETERMINING CARRYBACK IN SURFACE HAULAGE**

[54] **SYSTEME ET METHODE POUR DETERMINER LES RESIDUS DANS UN ROULAGE DE SURFACE**

[72] HENDRICKS, CARL F. B., AU

[71] CATERPILLAR INC., US

[85] 2021-07-19

[86] 2020-01-21 (PCT/US2020/014328)

[87] (WO2020/159742)

[30] US (16/262,098) 2019-01-30

[21] **3,127,230**
[13] A1

[51] **Int.Cl. E02D 27/00 (2006.01) E02D 5/74 (2006.01) E02D 27/42 (2006.01) E04B 1/38 (2006.01) E04B 1/41 (2006.01)**

[25] EN

[54] **ANCHOR AND RAILING ASSEMBLY**

[54] **ENSEMBLE ANCRAGE ET GARDE-CORPS**

[72] NILL, LANCE, US

[71] NILL, LANCE, US

[85] 2021-07-19

[86] 2020-02-14 (PCT/US2020/018327)

[87] (WO2020/168219)

[30] US (62/805,684) 2019-02-14

[30] US (PCT/US2019/018592) 2019-02-19

[30] US (PCT/US2019/026058) 2019-04-05

[30] US (PCT/US2019/043264) 2019-07-24

[30] US (PCT/US2019/046201) 2019-08-12

[30] US (PCT/US2019/049549) 2019-09-04

[30] US (16/677,236) 2019-11-07

[21] **3,127,231**
[13] A1

[51] **Int.Cl. B60P 1/28 (2006.01) B60S 3/04 (2006.01) E02F 9/26 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD OF AUTOMATED CLEAN OUT OF CARRYBACK IN SURFACE HAULAGE**

[54] **SYSTEME ET PROCEDE DE NETTOYAGE AUTOMATISE DE SUPPORT DANS LE TRANSPORT DE SURFACE**

[72] HENDRICKS, CARL F. B., AU

[71] CATERPILLAR INC., US

[85] 2021-07-19

[86] 2020-01-21 (PCT/US2020/014331)

[87] (WO2020/159743)

[30] US (16/262,106) 2019-01-30

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[51] Int.Cl. E06B 9/68 (2006.01) E06B 9/32 (2006.01) G05B 19/042 (2006.01)	[51] Int.Cl. C12M 3/00 (2006.01) C12N 5/071 (2010.01) C12M 1/34 (2006.01) C12M 1/42 (2006.01) C12N 5/10 (2006.01) C12N 15/86 (2006.01)	[51] Int.Cl. C07C 2/82 (2006.01) C07C 2/06 (2006.01) C10G 50/00 (2006.01)
[25] EN	[25] EN	[25] EN
[54] CONTROLLING MOTORIZED WINDOW TREATMENTS IN RESPONSE TO MULTIPLE SENSORS	[54] AUTOMATED SYSTEM FOR PRODUCING INDUCED PLURIPOTENT STEM CELLS OR DIFFERENTIATED CELLS	[54] ETHYLENE-TO-LIQUIDS SYSTEMS AND METHODS
[54] COMMANDE DE TRAITEMENTS DE FENETRE MOTORISEE EN REPOSE A PLUSIEURS CAPTEURS	[54] SYSTEME AUTOMATISE POUR LA PRODUCTION DE CELLULES SOUCHES PLURIPOTENTES INDUITES OU DE CELLULES DIFFERENCIIEES	[54] NYCE, GREG, US
[72] LUNDY, STEPHEN, US	[72] NOGGLE, SCOTT, US	[72] BLACK, RICHARD, US
[72] PROTZMAN, BRENT, US	[72] EGGAN, KEVIN, US	[72] CZERPAK, PETER, US
[72] GILL, TIMOTHY, US	[72] CHANG, STEPHEN, US	[72] FAZ, CARLOS, US
[72] ZIZZA, MICHAEL J., US	[72] SOLOMON, SUSAN L., US	[72] FREER, ERIK, US
[71] LUTRON TECHNOLOGY COMPANY LLC, US	[71] NEW YORK STEM CELL FOUNDATION, US	[72] HARRAZ, HATEM, US
[22] 2015-06-23	[22] 2012-11-30	[72] MADGAVKAR, AJAY, US
[41] 2015-12-30	[41] 2013-06-06	[72] MCCORMICK, JAROD, US
[62] 2,953,490	[62] 2,857,295	[72] MICHALAK, WILLIAM, US
[30] US (62/015,760) 2014-06-23	[30] US (61/565,818) 2011-12-01	[72] PATEL, BIPINKUMAR, US
	[30] US (61/580,007) 2011-12-23	[72] RADAELLI, GUIDO, US
	[30] US (61/700,792) 2012-09-13	[72] RAPPOLD, TIM A., US
		[72] RUNNEBAUM, RON, US
		[72] SCHER, ERIK C., US
		[72] ZHANG, AIHUA, US
		[72] TAHERI, HASSAN, US
		[72] RAFIQUE, HUMERA A., US
		[72] CIZERON, JOEL, US
		[72] HONG, JIN KI, US
		[72] SCHAMMEL, WAYNE, US
		[71] LUMMUS TECHNOLOGY LLC, US
		[22] 2015-01-07
		[41] 2015-07-16
		[62] 2,935,937
		[30] US (61/925,200) 2014-01-08
		[30] US (62/010,986) 2014-06-11
		[30] US (62/050,729) 2014-09-15

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[21] **3,124,804**
[13] A1

[51] **Int.Cl. A61K 31/4745 (2006.01) A61P 25/14 (2006.01)**
[25] EN
[54] **FORMULATIONS PHARMACOKINETICS OF DEUTERATED BENZOQUINOLINE INHIBITORS OF VESICULAR MONOAMINE TRANSPORTER 2**
[54] **PHARMACOCINETIQUES DE FORMULATIONS D'INHIBITEURS DE BENZOQUINOLINE DEUTERE DU TRANSPORTEUR 2 DE MONOAMINE VESICULAIRE**
[72] SOMMER, ANDREAS, US
[72] ZHANG, CHENGZHI, US
[72] CARTER, JOHN, US
[72] ARTHUR, JOHN, US
[72] BRADBURY, MARGARET, US
[72] GANT, THOMAS, US
[72] SHAHBAZ, MANUCHEHR, US
[71] AUSPEX PHARMACEUTICALS, INC., US
[22] 2013-09-18
[41] 2014-03-27
[62] 2,883,641
[30] US (61/702,586) 2012-09-18

[21] **3,125,031**
[13] A1

[51] **Int.Cl. A41D 27/24 (2006.01) A41D 31/06 (2019.01) A41D 1/00 (2018.01) A41D 27/28 (2006.01) A41D 31/00 (2019.01)**
[25] EN
[54] **INSULATED VENTED GARMENT FORMED USING NON-WOVEN POLYMER SHEETS**
[54]
[72] PEZZIMENTI, LUKE A., US
[72] NOLL, ERIC R., US
[72] INGRAM, JEFFREY K., US
[71] NIKE INNOVATE C.V., US
[22] 2017-10-04
[41] 2018-04-12
[62] 3,036,223
[30] US (15/286,913) 2016-10-06

[21] **3,125,044**
[13] A1

[51] **Int.Cl. G07C 11/00 (2006.01) G06K 9/00 (2006.01)**
[25] EN
[54] **BIOMETRIC AND DEMOGRAPHIC DATA TRANSFER AND MANAGEMENT SYSTEM AND APPARATUS**
[54] **APPAREIL ET SYSTEME DE GESTION ET DE TRANSFERT DE DONNEES BIOMETRIQUES ET DEMOGRAPHIQUES**
[72] PETERSON, MARK A., US
[71] FIRST ADVANTAGE CORPORATION, US
[22] 2007-06-01
[41] 2007-12-13
[62] 2,945,382
[30] US (60/810,588) 2006-06-02

[21] **3,125,130**
[13] A1

[51] **Int.Cl. A01G 31/02 (2006.01) A01G 31/00 (2018.01)**
[25] EN
[54] **HYDROPONIC GROWTH SYSTEM AND PLANT TRAY ASSEMBLY THEREOF**
[54] **SYSTEME DE CROISSANCE HYDROPONIQUE ET ENSEMBLE DE PLATEAU ASSOCIE**
[72] FRANCOZ, BRIAN, CA
[71] RAPIDGROW INDUSTRIES INC., CA
[22] 2018-02-21
[41] 2019-08-20
[62] 3,058,997
[30] US (15/899,757) 2018-02-20

[21] **3,125,138**
[13] A1

[51] **Int.Cl. A61K 31/53 (2006.01) A61P 3/04 (2006.01) A61P 9/12 (2006.01)**
[25] EN
[54] **TREATMENT OF OBESITY AND PULMONARY ARTERIAL HYPERTENSION**
[54]
[72] SCHUSTER, VICTOR L., US
[72] CHI, YULING, US
[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, US
[22] 2014-06-17
[41] 2014-12-24
[62] 2,950,119
[30] US (61/836,200) 2013-06-18

[21] **3,125,149**
[13] A1

[51] **Int.Cl. E21B 17/042 (2006.01) F16L 15/08 (2006.01)**
[25] EN
[54] **TORQUE SHOULDER OF A PREMIUM CONNECTION**
[54] **EPAULEMENT DE COUPLE D'UN RACCORDEMENT PREMIUM**
[72] EVANS, MERLE E., US
[72] VAN WITTENBERGHE, JEROEN STIJN JULIAAN, BE
[71] ARCELORMITTAL TUBULAR PRODUCTS LUXEMBOURG S.A., LU
[22] 2018-02-28
[41] 2018-09-07
[62] 3,053,883
[30] US (15/449,350) 2017-03-03
[30] US (15/634,558) 2017-06-27

[21] **3,125,162**
[13] A1

[51] **Int.Cl. B60R 9/12 (2006.01) B60R 9/048 (2006.01)**
[25] EN
[54] **SKI CARRIER CLAMP**
[54]
[72] MAGNUSSON, KARL-JOHAN, SE
[72] ADLER, JAN, SE
[72] NILVIUS, ANDERS, SE
[71] THULE SWEDEN AB, SE
[22] 2015-12-22
[41] 2016-06-30
[62] 2,915,716
[30] EP (14200631.1) 2014-12-30
[30] EP (14200627.9) 2014-12-30

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[21] **3,125,171**
[13] A1

[51] **Int.Cl. G01N 27/00 (2006.01) G01N 13/00 (2006.01) G01N 15/08 (2006.01) G01N 17/00 (2006.01) G01N 27/02 (2006.01)**

[25] EN

[54] **ELECTRICAL METHODS AND SYSTEMS FOR CONCRETE TESTING**

[54] **PROCEDES ET SYSTEMES ELECTRIQUES POUR ESSAIS SUR BETON**

[72] ALIZADEH, ROUHOLLAH, CA

[72] GHODS, POURIA, CA

[72] GHODS, AMIR HOSEIN, CA

[72] SALEHI, MUSTAFA, CA

[71] GIATEC SCIENTIFIC INC., CA

[22] 2015-05-13

[41] 2015-11-19

[62] 2,948,912

[30] US (61/992,364) 2014-05-13

[21] **3,125,205**
[13] A1

[51] **Int.Cl. B65D 23/10 (2006.01) B65D 1/02 (2006.01) B65D 1/46 (2006.01)**

[25] EN

[54] **CONTAINER AND METHOD OF MANUFACTURING THE SAME**

[54] **CONTENANT ET PROCEDE DE FABRICATION DE CELUI-CI**

[72] PALMER, JOEY, US

[72] JANECZEK, JAMES, US

[72] SPAGNOLI, ROBERT, US

[71] ALTIUM PACKAGING LP, US

[71] UNILOY, INC., US

[22] 2017-08-22

[41] 2018-03-08

[62] 3,033,992

[30] US (15/255,403) 2016-09-02

[21] **3,125,209**
[13] A1

[51] **Int.Cl. B65D 23/10 (2006.01) B65D 1/02 (2006.01) B65D 1/46 (2006.01)**

[25] EN

[54] **CONTAINER AND METHOD OF MANUFACTURING THE SAME**

[54] **CONTENANT ET PROCEDE DE FABRICATION DE CELUI-CI**

[72] PALMER, JOEY, US

[72] JANECZEK, JAMES, US

[72] SPAGNOLI, ROBERT, US

[71] ALTIUM PACKAGING LP, US

[71] UNILOY, INC., US

[22] 2017-08-22

[41] 2018-03-08

[62] 3,033,992

[30] US (15/255,403) 2016-09-02

[21] **3,125,228**
[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01) G10L 25/18 (2013.01) G10L 19/06 (2013.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A HIGHER ORDER AMBISONICS REPRESENTATION FOR A SOUND FIELD**

[54] **PROCEDE ET APPAREIL POUR COMPRESSION ET DECOMPRESSION DE REPRESENTATION D'AMBIPHONIE D'ORDRE SUPERIEUR (HOA) POUR CHAMP SONORE**

[72] KRUEGER, ALEXANDER, DE

[72] KORDON, SVEN, DE

[72] BOEHM, JOHANNES, DE

[71] DOLBY INTERNATIONAL AB, NL

[22] 2013-12-04

[41] 2014-06-19

[62] 2,891,636

[30] EP (12306569.0) 2012-12-12

[21] **3,125,246**
[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01) G10L 19/06 (2013.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A HIGHER ORDER AMBISONICS REPRESENTATION FOR A SOUND FIELD**

[54]

[72] KRUEGER, ALEXANDER, DE

[72] KORDON, SVEN, DE

[72] BOEHM, JOHANNES, DE

[71] DOLBY INTERNATIONAL AB, NL

[22] 2013-12-04

[41] 2014-06-19

[62] 2,891,636

[30] EP (12306569.0) 2012-12-12

[21] **3,125,247**
[13] A1

[25] EN

[54] **PROCESSES AND SYSTEMS FOR METABOLITE PRODUCTION USING HYDROGEN RICH C1-CONTAINING SUBSTRATES**

[54] **PROCEDES ET SYSTEMES DE PRODUCTION DE METABOLITES A L'AIDE DE SUBSTRATS CONTENANT DES COMPOSES EN C1 RICHES EN HYDROGENE**

[72] CONOLLY, JOSHUA JEREMY, US

[72] CONRADO, ROBERT JOHN, US

[72] PUGLISI, MATTHEW, US

[72] WATERS, GUY WILLIAM, US

[71] LANZATECH, INC., US

[22] 2018-09-06

[41] 2019-03-14

[62] 3,074,292

[30] US (62/556,099) 2017-09-08

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[21] **3,125,248**
[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01) G10L 19/06 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A HIGHER ORDER AMBISONICS REPRESENTATION FOR A SOUND FIELD**
[54] **PROCEDE ET APPAREIL POUR COMPRESSION ET DECOMPRESSION DE REPRESENTATION D'AMBIPHONIE D'ORDRE SUPERIEUR (HOA) POUR CHAMP SONORE**
[72] BOEHM, JOHANNES, DE
[72] KORDON, SVEN, DE
[72] KRUEGER, ALEXANDER, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2013-12-04
[41] 2014-06-19
[62] 2,891,636
[30] EP (12306569.0) 2012-12-12

[21] **3,125,260**
[13] A1

[51] **Int.Cl. B32B 27/08 (2006.01) B32B 7/02 (2019.01) B32B 27/28 (2006.01) B32B 27/36 (2006.01) B32B 27/40 (2006.01)**
[25] EN
[54] **MULTI-LAYER FILM WITH IMPROVED MODULUS PROPERTIES**
[54]
[72] PUDLEINER, HEINZ, DE
[72] MEYER, KLAUS, DE
[72] WINKLER, JURGEN, DE
[72] BRAUER, WOLFGANG, DE
[72] NICKEL, JOERG, DE
[72] PEHLERT, CRAIG, US
[72] LI, CHUNHUA, US
[72] CHEN, YAN, US
[71] ALIGN TECHNOLOGY INC., US
[22] 2013-05-10
[41] 2013-11-21
[62] 3,060,733
[30] US (PCT/US2012/037745) 2012-05-14

[21] **3,125,293**
[13] A1

[25] EN
[54] **PRODUCTION OF RECOMBINANT VACCINE IN E. COLI BY ENZYMATIC CONJUGATION**
[54] **PRODUCTION D'UN VACCIN RECOMBINANT DANS E. COLI PAR CONJUGAISON ENZYMATIQUE**
[72] WACKER, MICHAEL, CH
[72] WETTER, MICHAEL, CH
[72] KOWARIK, MICHAEL, CH
[72] FARIDMOAYER, AMIRREZA, CH
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[22] 2013-11-07
[41] 2014-05-15
[62] 2,889,767
[30] US (61/723,408) 2012-11-07

[21] **3,125,378**
[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01) G10L 19/032 (2013.01) G10L 19/16 (2013.01)**
[25] EN
[54] **AUDIO UPMIXER OPERABLE IN PREDICTION OR NON-PREDICTION MODE**
[54] **UPMIXER AUDIO UTILISABLE EN MODE DE PREDICTION OU EN MODE SANS PREDICTION**
[72] CARLSSON, PONTUS, SE
[72] PURNHAGEN, HEIKO, SE
[72] VILLEMOS, LARS, SE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2011-04-06
[41] 2011-10-13
[62] 3,105,050
[30] US (61/322458) 2010-04-09

[21] **3,125,455**
[13] A1

[51] **Int.Cl. B65D 47/08 (2006.01) A47G 19/26 (2006.01)**
[25] EN
[54] **LID FOR A CONTAINER**
[54]
[72] SORENSEN, STEVEN M., US
[72] MEYERS, DAVID O., US
[71] RUNWAY BLUE, LLC, US
[22] 2015-01-16
[41] 2015-07-23
[62] 2,931,104
[30] US (61/929,081) 2014-01-19
[30] US (61/944,536) 2014-02-25
[30] US (62/004,673) 2014-05-29
[30] US (14/598,087) 2015-01-15

[21] **3,125,495**
[13] A1

[51] **Int.Cl. B60W 50/16 (2020.01) B60W 30/095 (2012.01) B62K 11/14 (2006.01)**
[25] EN
[54] **MOTORCYCLE WITH HAPTIC FEEDBACK**
[54] **MOTOCYCLETTE A RETROACTION HAPTIQUE**
[72] GIRAUD, DAMON JAY, CA
[72] KWONG, DOMINIQUE, CA
[71] DAMON MOTORS INC., CA
[22] 2018-09-06
[41] 2019-03-14
[62] 3,075,185
[30] US (62/554,697) 2017-09-06
[30] US (62/570,028) 2017-10-09
[30] US (62/580,610) 2017-11-02

[21] **3,125,504**
[13] A1

[51] **Int.Cl. C07C 59/72 (2006.01) A61K 9/00 (2006.01) A61K 31/5575 (2006.01)**
[25] EN
[54] **SOLID FORMS OF TREPROSTINIL**
[54] **FORMES SOLIDES DE TREPROSTINIL**
[72] PHARES, KENNETH, US
[72] SCANNELL, MICHAEL, US
[71] UNITED THERAPEUTICS CORPORATION, US
[22] 2014-03-07
[41] 2014-10-02
[62] 2,905,720
[30] US (61/781,303) 2013-03-14

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[21] **3,125,558**
[13] A1

[51] **Int.Cl. H04N 21/458 (2011.01) H04N 21/242 (2011.01) H04N 21/431 (2011.01) H04N 21/478 (2011.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR GENERATING AND PROVIDING PROGRAM GUIDES AND CONTENT**

[54] **PROCEDES ET SYSTEMES DE GENERATION ET DE FOURNITURE DE GUIDES DE PROGRAMMES ET DE CONTENU**

[72] GROUF, NICHOLAS A., US
[72] POZIN, ILYA, US
[72] SIEVERDING, THOMAS, US
[72] EMERSON, LINDSEY, US
[72] GABBAY, LYNN D., US
[72] GOLD, AUDRA E., US
[72] HOU, CHAN V., US
[72] PRICE, MICHAEL JOHN, US
[72] RYAN, THOMAS V., US
[71] PLUTO INC., US
[22] 2015-02-13
[41] 2015-08-20
[62] 2,939,215
[30] US (61/940,096) 2014-02-14

[21] **3,125,564**
[13] A1

[51] **Int.Cl. H04N 21/458 (2011.01) H04N 21/258 (2011.01) H04N 21/431 (2011.01) H04N 21/8549 (2011.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR GENERATING AND PROVIDING PROGRAM GUIDES AND CONTENT**

[54] **PROCEDES ET SYSTEMES DE GENERATION ET DE FOURNITURE DE GUIDES DE PROGRAMMES ET DE CONTENU**

[72] GROUF, NICHOLAS A., US
[72] POZIN, ILYA, US
[72] SIEVERDING, THOMAS, US
[72] PRICE, MICHAEL JOHN, US
[72] EMERSON, LINDSEY, US
[72] GABBAY, LYNN D., US
[72] RYAN, THOMAS V., US
[72] GOLD, AUDRA E., US
[72] HOU, CHAN V., US
[71] PLUTO INC., US
[22] 2015-02-13
[41] 2015-08-20
[62] 2,939,215
[30] US (61/940,096) 2014-02-14

[21] **3,125,586**
[13] A1

[25] EN

[54] **LIVENESS DETECTION**

[54] **DETECTION D'ETAT ACTIF**

[72] HAMID, LAURENCE, CA
[72] BORZA, STEPHEN, CA
[71] HAMID, LAURENCE, CA
[71] BORZA, STEPHEN, CA
[22] 2019-06-11
[41] 2019-12-11
[62] 3,045,819
[30] US (62/683,096) 2018-06-11

[21] **3,125,595**
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01) A61B 90/00 (2016.01) A61B 17/15 (2006.01) A61B 17/17 (2006.01) A61F 2/42 (2006.01)**

[25] EN

[54] **ANKLE REPLACEMENT SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE REMPLACEMENT DE CHEVILLE**

[72] MCGINLEY, SHAWN, US
[72] LUNA, RAMON, US
[72] PATEL, VINAY D., US
[72] NACHTRAB, DEAN J., US
[72] DHILLON, BRAHAM K., US
[72] HOWLES, ROBERT M., US
[72] FREE, DANIEL E., US
[72] STEMNISKI, PAUL, US
[72] REYNOLDS, DAVID, US
[72] SCHULTZ, MATTHEW D., US
[72] LOWERY, GARY, US
[72] PENNER, MURRAY J., CA
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[22] 2014-03-14
[41] 2014-09-25
[62] 3,079,741
[30] US (61/782,507) 2013-03-14
[30] US (61/846,831) 2013-07-16

[21] **3,125,630**
[13] A1

[25] EN

[54] **METHODS AND SYSTEMS FOR ANALYZING USER PREFERENCES TO DYNAMICALLY IDENTIFY REMOTELY LOCATED MEDIA FOR LOCAL ACCESS**

[54] **PROCEDES ET SYSTEMES D'ANALYSE DE PREFERENCES D'UTILISATEUR POUR IDENTIFIER DYNAMIQUEMENT UN MEDIA SITUE A DISTANCE POUR UN ACCES LOCAL**

[72] DODGE, GARRETT F., US
[72] PATEL, KETU N., US
[72] FOLGO, EUGENE L., US
[71] ROCKBOT, INC., US
[22] 2011-05-25
[41] 2011-12-01
[62] 2,795,552
[30] US (61/348,911) 2010-05-27
[30] US (61/442,709) 2011-02-14

[21] **3,125,631**
[13] A1

[51] **Int.Cl. H01G 11/14 (2013.01) H01G 11/60 (2013.01) H01G 9/028 (2006.01)**

[25] EN

[54] **HIGH TEMPERATURE ENERGY STORAGE DEVICE**

[54] **DISPOSITIF DE STOCKAGE D'ENERGIE HAUTE TEMPERATURE**

[72] SIGNORELLI, RICCARDO, US
[72] COOLEY, JOHN JACOB, US
[72] DEANE, CHRISTOPHER JOHN SIBBALD, US
[72] EPSTEIN, JAMES, US
[72] KUTTIPILLAI, PADMANABAN SASTHAN, US
[72] MARTINI, FABRIZIO, US
[71] FASTCAP SYSTEMS CORPORATION, US
[22] 2012-07-09
[41] 2013-01-17
[62] 2,841,171
[30] US (61/505,715) 2011-07-08
[30] US (61/512,090) 2011-07-27
[30] US (61/560,888) 2011-11-17
[30] US (61/569,010) 2011-12-09
[30] US (61/602,713) 2012-02-24
[30] US (61/619,203) 2012-04-02

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,125,656**
[13] A1

[51] **Int.Cl. G06F 16/24 (2019.01) G06Q 50/16 (2012.01) G06F 3/0481 (2013.01) G06F 16/248 (2019.01) G06F 16/29 (2019.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR MANAGING REAL ESTATE DATA**

[54] **METHODE ET APPAREIL POUR GERER DES DONNEES SUR DES BIENS IMMOBILIERS**

[72] FLORANCE, ANDREW C., US

[72] EVATT, BOB, US

[72] BOHL, SCOT, US

[72] MERRITT, JOHN, US

[71] COSTAR REALTY INFORMATION, INC., US

[22] 2013-06-07

[41] 2013-12-07

[62] 2,818,292

[30] US (13/491,567) 2012-06-07

[21] **3,125,660**
[13] A1

[25] EN

[54] **BREATHING ASSISTANCE APPARATUS WITH SERVICEABILITY FEATURES**

[54]

[72] FRAME, SAMUEL ROBERTSON, NZ

[72] CRONE, CHRISTOPHER MALCOLM, NZ

[72] QUILL, CHRISTOPHER SIMON JAMES, NZ

[72] O'DONNELL, KEVIN PETER, NZ

[72] HSU, JACK CHE-WEI, NZ

[72] HAN, JOHN, NZ

[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[22] 2013-04-05

[41] 2013-10-10

[62] 2,869,140

[30] US (61/620,676) 2012-04-05

[21] **3,125,681**
[13] A1

[51] **Int.Cl. G01M 13/003 (2019.01)**

[25] EN

[54] **VALVE METER ASSEMBLY AND METHOD**

[54]

[72] BALL, MARTY SCOTT, US

[72] LINKEL, SCOTT ARON, US

[71] MUELLER INTERNATIONAL, LLC, US

[22] 2012-05-23

[41] 2012-11-30

[62] 3,077,743

[30] US (13/149,720) 2011-05-31

[21] **3,125,705**
[13] A1

[51] **Int.Cl. G06F 9/44 (2018.01)**

[25] EN

[54] **CONTROLLING TASKS PERFORMED BY A COMPUTING SYSTEM**

[54] **CONTROLE DE TACHES EXECUTEES PAR UN SYSTEME INFORMATIQUE**

[72] STANFILL, CRAIG W., US

[71] AB INITIO TECHNOLOGY LLC, US

[22] 2014-04-23

[41] 2014-10-30

[62] 2,909,748

[30] US (61/815,052) 2013-04-23

[21] **3,125,713**
[13] A1

[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)**

[25] EN

[54] **ANTIBODY-PYRROLOBENZODIAZEPINE DERIVATIVE CONJUGATE**

[54]

[72] TODA, NARIHIRO, JP

[72] OTA, YUSUKE, JP

[72] DOI, FUMINAO, JP

[72] MEGURO, MASAKI, JP

[72] HAYAKAWA, ICHIRO, JP

[72] ASHIDA, SHINJI, JP

[72] MASUDA, TAKESHI, JP

[72] NAKADA, TAKASHI, JP

[72] IWAMOTO, MITSUHIRO, JP

[72] HARADA, NAOYA, JP

[72] TERAUCHI, TOMOKO, JP

[72] OKAJIMA, DAISUKE, JP

[72] NAKAMURA, KENSUKE, JP

[72] UCHIDA, HIROAKI, JP

[72] HAMADA, HIROFUMI, JP

[71] DAIICHI SANKYO COMPANY, LIMITED, JP

[22] 2018-09-28

[41] 2019-04-04

[62] 3,078,218

[30] JP (2017-190713) 2017-09-29

[21] **3,125,720**
[13] A1

[25] EN

[54] **DIESEL FUEL BLENDS WITH IMPROVED PERFORMANCE CHARACTERISTICS**

[54]

[72] SCHUETZLE, ROBERT, US

[72] SCHUETZLE, DENNIS, US

[71] FUEL BLENDING SOLUTIONS, LLC, US

[22] 2014-06-30

[41] 2015-01-29

[62] 2,972,823

[30] US (61/958,236) 2013-07-22

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[21] **3,125,722**
[13] A1

[51] **Int.Cl. G06F 21/44 (2013.01) G06F 21/73 (2013.01) G06F 21/76 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF DEVICE AUTHENTICATION INCLUDING FEATURES OF CIRCUIT TESTING AND VERIFICATION IN CONNECTION WITH KNOWN BOARD INFORMATION**
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION DE DISPOSITIF COMPRENANT DES FONCTIONS D'ESSAI ET DE VERIFICATION DE CIRCUIT EN RAPPORT AVEC DES INFORMATIONS DE CARTE CONNUES**
[72] LA FEVER, GEORGE BERNARD, US
[72] FLAUM, ISER B., US
[71] ELECTRONIC WARFARE ASSOCIATES, INC., US
[22] 2012-10-26
[41] 2013-05-02
[62] 2,920,386
[30] US (61/552,074) 2011-10-27

[21] **3,125,832**
[13] A1

[25] EN
[54] **RADIAL BEARING APPARATUS FOR USE WITH SIDE FORCES**
[54] **APPAREIL DE ROULEMENT RADIAL DESTINE A DES FORCES LATERALES**
[72] GHARIB, HOSSAM, CA
[72] BELL, STEVEN GRAHAM, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2018-11-09
[41] 2020-01-27
[62] 3,046,444
[30] US (62/711,314) 2018-07-27

[21] **3,125,835**
[13] A1

[51] **Int.Cl. A61K 31/549 (2006.01) A61P 3/00 (2006.01) A61P 5/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING SUBJECTS WITH PRADER-WILLI SYNDROME OR SMITH-MAGENIS SYNDROME**
[54]
[72] COWEN, NEIL M., US
[71] ESSENTIALIS, INC., US
[22] 2015-11-12
[41] 2016-05-19
[62] 2,966,907
[30] US (62/080,150) 2014-11-14
[30] US (62/138,245) 2015-03-25
[30] US (62/170,035) 2015-06-02
[30] US (62/221,359) 2015-09-21

[21] **3,125,839**
[13] A1

[51] **Int.Cl. A61K 31/549 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING SUBJECTS WITH PRADER-WILLI SYNDROME OR SMITH-MAGENIS SYNDROME**
[54]
[72] COWEN, NEIL M., US
[71] ESSENTIALIS, INC., US
[22] 2015-11-12
[41] 2016-05-19
[62] 2,966,907
[30] US (62/080,150) 2014-11-14
[30] US (62/138,245) 2015-03-25
[30] US (62/170,035) 2015-06-02
[30] US (62/221,359) 2015-09-21

[21] **3,125,844**
[13] A1

[25] EN
[54] **A COMPOSITE BATTERY ENCLOSURE**
[54] **BOITIER DE BATTERIE COMPOSITE**
[72] LUCCHESI, BRIAN, US
[72] NOLET, STEPHEN, US
[72] VELOSO, MCKEVIN, US
[71] TPI COMPOSITES, INC., US
[22] 2018-08-14
[41] 2019-08-08
[62] 3,090,098
[30] US (62/624,288) 2018-01-31

[21] **3,125,846**
[13] A1

[51] **Int.Cl. G01N 29/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR NON-DESTRUCTIVE TESTING OF COMPOSITES**
[54]
[72] JACK, DAVID A., US
[72] FITCH, JOHN E., US
[72] VO, THERESA, US
[71] VERIFI TECHNOLOGIES, LLC, US
[22] 2013-03-20
[41] 2013-09-26
[62] 2,868,019
[30] US (61/613,482) 2012-03-20

[21] **3,125,858**
[13] A1

[25] EN
[54] **BRASSICA PARTIAL KNOCKOUT MUTANT INDEHISCENT ALLELES**
[54]
[72] LAGA, BENJAMIN, BE
[72] DEN BOER, BART, BE
[72] LAMBERT, BART, BE
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, BE
[22] 2009-07-09
[41] 2010-01-21
[62] 2,730,859
[30] US (61/135,230) 2008-07-17
[30] EP (08075648.9) 2008-07-18

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demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,125,862**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL
COMPOSITIONS OF 7-(6-(2-
HYDROXYPROPAN-2-
YL)PYRIDIN-3-YL)-1-((TRANS)-4-
METHOXYCYCLOHEXYL)-3,4-
DIHYDROPYRAZINO [2,3-
B]PYRAZIN-2(1H)-ONE, A SOLID
FORM THEREOF AND METHODS
OF THEIR USE**

[54]
[72] CONNOLLY, TERRENCE JOSEPH,
US
[72] KLOPFER, KEVIN JOSEPH, US
[72] LEONG, WILLIAM WEI-HWA, US
[72] MENON, ANIL, US
[72] MIKLOS, AMANDA NICOLE, US
[72] KREILEIN, MATTHEW MICHAEL,
US
[72] GAMBOA, JUAN ANTONIO, US
[72] XU, JEAN, US
[72] BOERSEN, NATHAN, US
[72] HUI, HO-WAH, US
[72] LEE, THOMAS, US
[72] LI, YING, US
[72] COHEN, BENJAMIN, US
[71] SIGNAL PHARMACEUTICALS, LLC,
US
[22] 2012-11-30
[41] 2013-06-06
[62] 2,857,155
[30] US (61/566,109) 2011-12-02
[30] US (61/647,288) 2012-05-15
[30] US (61/653,439) 2012-05-31
[30] US (61/670,419) 2012-07-11

[21] **3,125,864**
[13] A1

[51] **Int.Cl. G12B 11/02 (2006.01) H04H
60/33 (2009.01) G01D 13/04 (2006.01)**

[25] EN
[54] **INVERTIBLE METERING
APPARATUS AND RELATED
METHODS**

[54] **APPAREIL DE DOSAGE
REVERSIBLE ET PROCEDES
ASSOCIES**

[72] BARBIS, ANDREJ, SI
[72] COOPER, TIMOTHY SCOTT, US
[72] NIELSEN, CHRISTEN V., US
[72] TURNBOW, DOUGLAS BRENT, US
[72] USAJ, MARKO, SI
[72] VITT, JAMES JOSEPH, US
[72] VRANEK, SASO, SI
[71] THE NIELSEN COMPANY (US),
LLC, US
[22] 2017-06-22
[41] 2017-12-28
[62] 3,028,702
[30] US (15/192,560) 2016-06-24
[30] US (15/192,554) 2016-06-24
[30] US (15/192,539) 2016-06-24

[21] **3,125,871**
[13] A1

[25] EN
[54] **INVERTIBLE METERING
APPARATUS AND RELATED
METHODS**

[54] **APPAREIL DE DOSAGE
REVERSIBLE ET PROCEDES
ASSOCIES**

[72] COOPER, TIMOTHY SCOTT, US
[72] VITT, JAMES JOSEPH, US
[72] TURNBOW, DOUGLAS BRENT, US
[72] NIELSEN, CHRISTEN V., US
[72] USAJ, MARKO, US
[72] BARBIS, ANDREJ, US
[72] VRANEK, SASO, US
[71] THE NIELSEN COMPANY (US),
LLC, US
[22] 2017-06-22
[41] 2017-12-28
[62] 3,028,702
[30] US (15/192,560) 2016-06-24
[30] US (15/192,554) 2016-06-24
[30] US (15/192,539) 2016-06-24

[21] **3,125,875**
[13] A1

[25] EN
[54] **EXPRESSION VECTOR
ORGANIZATION, NOVEL
PRODUCTION CELL
GENERATION METHODS AND
THEIR USE FOR THE
RECOMBINANT PRODUCTION
OF POLYPEPTIDES**

[54] **ORGANISATION D'UN VECTEUR
D'EXPRESSION, NOUVEAUX
PROCEDES DE GENERATION
D'UNE CELLULE PRODUCTRICE
ET LEUR UTILISATION POUR LA
PRODUCTION RECOMBINANTE
DE POLYPEPTIDES**

[72] HUELSMANN, PETER MICHAEL,
DE
[72] KNOETGEN, HENDRIK, DE
[71] F. HOFFMANN-LAROCHE AG, CH
[22] 2012-12-19
[41] 2013-06-27
[62] 2,853,955
[30] EP (11195363.4) 2011-12-22

[21] **3,125,883**
[13] A1

[25] EN
[54] **SIMULTANEOUS
SEGMENTATION AND GRADING
OF STRUCTURES FOR STATE
DETERMINATION**

[54] **SEGMENTATION SIMULTANEE
ET CLASSEMENT DES
STRUCTURES POUR
DETERMINATION D'ETAT**

[72] COUPE, PIERRICK, FR
[72] COLLINS, DONALD LOUIS, CA
[71] MCGILL UNIVERSITY, CA
[22] 2011-09-16
[41] 2013-03-16
[62] 2,752,370

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[21] **3,125,909**
[13] A1

[25] EN
[54] **CRYSTALLINE FORMS OF NEUROTROPHIN MIMETIC COMPOUNDS AND THEIR SALTS**
[54] **FORMES CRISTALLINES DE COMPOSES MIMETIQUES DE NEUROTROPHINES ET LEURS SELS**
[72] MUNIGETI, RAJGOPAL, US
[72] LONGO, FRANK M., US
[71] PHARMATROPHIX, INC., US
[22] 2010-11-12
[41] 2011-05-19
[62] 2,780,940
[30] US (61/260,671) 2009-11-12
[30] US (61/294,279) 2010-01-12
[30] US (61/350,797) 2010-06-02

[21] **3,125,910**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **VALVE REPLACEMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE REMPLACEMENT DE VALVULE**
[72] MORTIER, TODD J., US
[72] SCHWEICH, CYRIL J., JR., US
[71] CAISSON INTERVENTIONAL, LLC, US
[22] 2013-04-16
[41] 2013-10-24
[62] 2,870,554
[30] US (61/635,741) 2012-04-19
[30] US (61/669,383) 2012-07-09
[30] US (13/842,206) 2013-03-15
[30] US (13/842,490) 2013-03-15

[21] **3,125,973**
[13] A1

[51] **Int.Cl. A01G 9/02 (2018.01) A01G 9/029 (2018.01)**
[25] EN
[54] **PLANT GROWING SYSTEM AND METHODS OF USING THE SAME**
[54] **SYSTEME DE CROISSANCE DE PLANTE ET SON PROCEDE D'UTILISATION**
[72] PRINSTER, MARK GERARD, US
[72] SCHULTZ, BRADLEY ALAN, US
[72] RYGIELSKI, KIMBERLY ANN, US
[72] PHILLIPS, MATTHEW L., US
[72] BRUNO, ROBERT H., US
[72] NATHAN, PHILIP J., US
[72] ZASADZINSKI, TARA MARIE, US
[72] ALEXANDER, ASHLEY E., US
[72] GORDON, SARA ANN, US
[71] OMS INVESTMENTS, INC., US
[22] 2013-02-15
[41] 2013-08-22
[62] 2,861,094
[30] US (61/600,565) 2012-02-17
[30] US (61/637,193) 2012-04-23
[30] US (61/648,982) 2012-05-18
[30] US (61/715,088) 2012-10-17

[21] **3,125,977**
[13] A1

[51] **Int.Cl. A01N 63/27 (2020.01) A01N 37/24 (2006.01) A01N 37/34 (2006.01) A01N 43/50 (2006.01) A01N 43/54 (2006.01) A01N 43/653 (2006.01) A01P 3/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF USE COMPRISING THE BIOCONTROL AGENT DEPOSITED AS NRRL NO. B-50897**
[54] **COMPOSITIONS ET METHODES D'UTILISATION RENFERMANT L'AGENT DE BIOCONTROLE DEPOSE COMME NRRL NO B-50897**
[72] JONES, JANICE C., US
[72] KOZIEL, MICHAEL G., US
[72] UKNES, SCOTT JOSEPH, US
[72] SHEKITA, AMY ELIZABETH, US
[71] AGBIOME, INC., US
[22] 2015-01-29
[41] 2015-08-06
[62] 2,937,514
[30] US (61/933,954) 2014-01-31
[30] US (62/104,122) 2015-01-16

[21] **3,126,016**
[13] A1

[51] **Int.Cl. A61M 25/09 (2006.01) A61F 2/24 (2006.01) A61M 25/01 (2006.01) A61M 25/095 (2006.01)**
[25] EN
[54] **LOW PROFILE DELIVERY SYSTEM FOR TRANSCATHETER HEART VALVE**
[54] **SYSTEME DE MISE EN PLACE DE VALVULE CARDIAQUE PAR TRANSCATHETER A PROFIL ETROIT**
[72] LE, THANH H., US
[72] TRAN, TRI, US
[72] CAYABYAB, RENALDO, US
[72] TAYLOR, DAVID, US
[72] VIDAL, ANTONIO, US
[72] BOWES, ROBERT, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[22] 2009-05-01
[41] 2009-11-12
[62] 3,064,265
[30] US (61/052,009) 2008-05-09
[30] US (61/083,117) 2008-07-23
[30] US (12/247,846) 2008-10-08

[21] **3,126,055**
[13] A1

[25] EN
[54] **METHODS FOR MULTI-RESOLUTION ANALYSIS OF CELL-FREE NUCLEIC ACIDS**
[54] **PROCEDES D'ANALYSE MULTIREOLUTION D'ACIDES NUCLEIQUES ACELLULAIRES**
[72] ABDUEVA, DIANA, US
[72] CHUDOVA, DARYA, US
[72] ELTOUKHY, HELMY, US
[72] MORTIMER, STEFANIE ANN WARD, US
[72] SIKORA, MARCIN, US
[71] GUARDANT HEALTH, INC., US
[22] 2017-09-29
[41] 2018-04-05
[62] 3,027,919
[30] US (62/402,940) 2016-09-30
[30] US (62/468,201) 2017-03-07
[30] US (62/489,391) 2017-04-24

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[21] **3,126,061**
[13] A1

[25] EN
[54] **ADENO-ASSOCIATED VIRUS VECTOR**
[54] **VECTEUR VIRAL ADENO-ASSOCIE**
[72] LINDEN, RALPH MICHAEL, GB
[71] KING'S COLLEGE LONDON, GB
[71] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
[22] 2015-02-17
[41] 2015-08-20
[62] 2,939,612
[30] US (61/940,639) 2014-02-17
[30] GB (1403684.2) 2014-03-03

[21] **3,126,068**
[13] A1

[51] **Int.Cl. B65H 49/00 (2006.01) B65H 51/015 (2006.01) F16G 11/00 (2006.01)**
[25] EN
[54] **INTEGRATED SYSTEMS FOR WIRE AND CABLE INSTALLATIONS**
[54] **SYSTEMES INTEGRES POUR INSTALLATION DE FILS ET DE CABLES**
[72] CARLSON, JOHN R., US
[72] MCCARDEL, DAVID B., US
[72] COOPER, DAVID A., US
[72] MERCIER, DAVID, US
[72] SASSE, PHILIP, US
[72] DANIEL, ALLAN W., US
[72] ANDREA, TIMOTHY M., US
[71] SOUTHWIRE COMPANY, LLC, US
[22] 2010-03-22
[41] 2010-09-30
[62] 3,020,763
[30] US (61/162,589) 2009-03-23
[30] US (61/174,210) 2009-04-30
[30] US (61/221,216) 2009-06-29
[30] US (61/244,919) 2009-09-23
[30] US (12/796,992) 2010-03-18

[21] **3,126,074**
[13] A1

[51] **Int.Cl. H02G 11/00 (2006.01) H02G 3/04 (2006.01)**
[25] EN
[54] **APPARATUS FOR CONNECTING COMPONENTS**
[54] **APPAREIL DE RACCORDEMENT DE COMPOSANTES**
[72] GALETTI, RALPH R., US
[72] LAZZARO, ANTHONY A., US
[71] THE BOEING COMPANY, US
[22] 2018-02-20
[41] 2018-11-10
[62] 2,995,959
[30] US (15/591,916) 2017-05-10

[21] **3,126,080**
[13] A1

[51] **Int.Cl. H04N 21/6547 (2011.01) H04N 21/431 (2011.01) H04N 21/658 (2011.01)**
[25] EN
[54] **MANAGEMENT OF PROFILES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS**
[54] **GESTION DE PROFILS POUR DES APPLICATIONS DE GUIDES DE SUPPORTS INTERACTIFS**
[72] STARKENBURG, MICHAEL ROSS, US
[72] KELLOGG-SMITH, PETER, US
[72] FERRONE, ANDREW, US
[72] SHANNON, STEVE, US
[71] ROVI GUIDES, INC., US
[22] 2007-09-28
[41] 2008-04-10
[62] 3,012,240
[30] US (11/541,243) 2006-09-29
[30] US (11/541,319) 2006-09-29
[30] US (11/541,245) 2006-09-29

[21] **3,126,369**
[13] A1

[51] **Int.Cl. B60K 1/04 (2019.01) B60L 50/50 (2019.01) B60K 1/02 (2006.01) B60L 1/14 (2006.01)**
[25] EN
[54] **ELECTRIC UTILITY TERRAIN VEHICLE**
[54]
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[72] LYNK, KEVIN M., US
[72] HEATON, ANTHONY A., US
[72] MACKELPRANG, MORGAN, US
[72] GRAY, KYLE, US
[72] DAVIS, ROBERT DANE, US
[71] NIKOLA CORPORATION, US
[22] 2017-05-09
[41] 2017-11-16
[62] 3,072,745
[30] US (62/333,722) 2016-05-09
[30] US (15/268,249) 2016-09-16

[21] **3,126,646**
[13] A1

[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTIBODY-PYRROLOBENZODIAZEPINE DERIVATIVE CONJUGATE**
[54] **CONJUGUE ANTICORPS-DERIVE DE PYRROLOBENZODIAZEPINE**
[72] TODA, NARIHIRO, JP
[72] OTA, YUSUKE, JP
[72] DOI, FUMINAO, JP
[72] MEGURO, MASAKI, JP
[72] HAYAKAWA, ICHIRO, JP
[72] ASHIDA, SHINJI, JP
[72] MASUDA, TAKESH, JP
[72] NAKADA, TAKASHI, JP
[72] IWAMOTO, MITSUHIRO, JP
[72] HARADA, NAOYA, JP
[72] TERAUCHI, TOMOKO, JP
[72] OKAJIMA, DAISUKE, JP
[72] NAKAMURA, KENSUKE, JP
[72] UCHIDA, HIROAKI, JP
[72] HAMADA, HIROFUMI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[22] 2018-09-28
[41] 2019-04-04
[62] 3,078,218
[30] JP (2017-190713) 2017-09-29

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DERENNE, RICHARD A.	2,903,552	ERATH, STEFFEN	2,988,877	FREY, REINER	3,060,682
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DESIGNARIUM INC.	2,940,254	EUREKA! AGRESEARCH PTY LTD	2,911,971	FRIEDMAN, URIEL	3,071,776
DETNET SOUTH AFRICA (PTY) LTD	2,960,068	EVANS, KENNETH R.	3,053,776	FRIEDMAN, URIEL	3,071,776
DHOOGHE, PATRICK	2,921,582	EVOLUTION TECHNOLOGIES INC.	2,940,154	FRIEDMAN, URIEL	3,071,776
DICK, EBERHARD	2,951,346	EWING, JAMES	2,855,035	FRIEDMAN, URIEL	3,071,776
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DIETZ, MARTIN	3,011,914	F. HOFFMANN-LA ROCHE AG	2,963,351	FRIEDMAN, URIEL	3,071,776
DING, WEI	2,998,635	F. HOFFMANN-LA ROCHE AG	3,023,000	FRIEDMAN, URIEL	3,071,776
DINGER, RUDOLF	2,917,706	F.F. SEELEY NOMINEES PTY LTD.	2,916,167	FRIEDMAN, URIEL	3,071,776
DION, MARC	2,863,691	FACHAN, NEAL	3,025,369	FRIEDMAN, URIEL	3,071,776
DISCH, SASCHA	3,043,961	FAIRFIELD, NATHANIEL	3,039,913	FRIEDMAN, URIEL	3,071,776
DIXNEUF, GEORGES	2,919,982	FASETTO, INC.	2,903,830	FRIEDMAN, URIEL	3,071,776
DLHBOWLES, INC.	2,982,271	FASTCAP SYSTEMS CORPORATION	2,838,557	FRIEDMAN, URIEL	3,071,776
DOAN, NICOLE	2,933,029	FELCH, CHAD L.	3,031,786	FRIEDMAN, URIEL	3,071,776
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DOLBY INTERNATIONAL AB	3,084,938	FIESTHUMEL, ROBERT J.	2,949,204	FRIEDMAN, URIEL	3,071,776
DOLBY INTERNATIONAL AB	3,093,517	FINATEC HOLDING AG	2,907,523	FRIEDMAN, URIEL	3,071,776
DOLGOV, DMITRI A.	3,039,913	FINLEY, ROBERT	2,916,167	FRIEDMAN, URIEL	3,071,776
DOMBROWSKI, JOHN EDWARD	2,905,503	FISCH, RALF W.	3,046,581	FRIEDMAN, URIEL	3,071,776
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DONG, HAI'OU	2,922,231	FISHER, ROBIN	2,895,876	FRIEDMAN, URIEL	3,071,776
DOUMENJOU, JACKY	2,912,769	FISKARS BRANDS, INC.	3,050,316	FRIEDMAN, URIEL	3,071,776
DOW AGROSCIENCES LLC	2,821,519	FITCH, JOHN E.	2,868,019	FRIEDMAN, URIEL	3,071,776
DOW AGROSCIENCES LLC	2,901,474	FLAMMINO, ANTHONY	2,949,247	FRIEDMAN, URIEL	3,071,776
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SULTZBAUGH, KENNETH J.	2,906,107	THE REGENTS OF THE		UNIVERSITE DU MANS	2,887,326
SUN, WANGBIN	3,039,012	UNIVERSITY OF		UNIVERSITE PARIS-SUD 11	2,917,994
SUN, WEI	2,922,231	MICHIGAN	2,937,892	UNIVERSITY OF	
SUNKEL, JORGE MAX	3,040,181	THE REGENTS OF THE		CONNECTICUT	2,941,653
SURKYN, MICHEL	2,911,690	UNIVERSITY OF		UNIVERSITY OF FLORIDA	
SVEC, JAMES A.	2,934,683	MICHIGAN	3,031,419	RESEARCH	
SWANSON, COLBY A.	2,839,587	THE UNITED STATES OF		FOUNDATION, INC.	2,796,399
SWANSON, PAUL	2,870,160	AMERICA, AS		UNIVERSITY OF GUELPH	3,023,706
SWEENEY, CHRISTOPHER		REPRESENTED BY THE		UNIVERSITY OF	
RYAN	2,903,552	SECRETARY,		JOHANNESBURG	2,960,773
SWEENEY, PATRICK JOHN	2,908,689	DEPARTMENT OF		UNIVERSITY OF THE FREE	
SWEENEY, PETER JOHN	2,941,907	HEALTH AND HUMAN		STATE	2,973,939
SWERYDA-KRAWIEC, BEATA	2,953,371	SERVICES	2,874,486	UNIVERSITY OF VIRGINIA	
SWISHER, ELIZABETH	2,809,368	THE UNITED STATES OF		PATENT FOUNDATION	3,052,457
SYDORENKO, NADIYA	3,007,412	AMERICA, AS		UNIVERSITY OF	
SYFKO, PAUL	2,966,692	REPRESENTED BY THE		WASHINGTON THROUGH	
SYNCHRONY, INC.	3,045,285	SECRETARY,		ITS CENTER FOR	
TACCONI, CEDRIC	3,073,490	DEPARTMENT OF		COMMERCIALIZATION	2,809,368
TACKE, KEVIN	2,958,596	HEALTH AND HUMAN		UPCHURCH, JOSEPH ADAM	2,903,552
TAM INTERNATIONAL, INC.	2,980,358	SERVICES	2,882,753	UPM-KYMMENE	
TAMAKI, EIICHIRO	2,911,440	THEBAUD, BERNARD		CORPORATION	2,859,889
TAN, BARRIE	2,962,900	CLAUDE FRANK	3,023,706	URAO, KAZUNORI	2,871,430
TANG, CHA-MEI	2,874,691	THENAPPAN, ALAGAPPAN	2,884,590	URMSON, CHRISTOPHER	
TANG, JUN	2,937,892	THIBAUT, HENDRIK JAN	2,984,974	PAUL	3,039,913
TANG, WEI	3,045,865	THIEL, CHRISTIANE	3,053,691	USENER, DIRK	2,868,401
TANIGUCHI, YUJI	2,986,885	THOMPSON, DAVID	2,916,167	VALE S.A.	2,898,209
TANNER, GREGORY JOHN	2,914,687	THOMPSON, JAMES RICHARD	2,960,734	VALOTEC	2,920,455
TARVEDA THERAPEUTICS,		THOMPSON, ZACHARY M.	3,036,308	VALVE SOLUTIONS, INC.	2,906,327
INC.	2,953,371	TIMMER, RADBOUT	2,860,625	VAN BAAL, ADELMAR	
TASLY PHARMACEUTICAL		TINE, STEVEN D.	3,023,499	EMMANUEL	2,860,625
GROUP CO., LTD.	2,922,231	TITFLEX CORPORATION	2,911,550	VAN DEN HEEVER,	
TASPEK, LEVENT	3,037,018	TJADEN, HENDRIK	2,938,810	JOHANNES	2,973,939
TASTARD, CHRISTOPHE	2,912,769	TOBLER, BENJAMIN	3,025,369	VAN DER EEM, JORIS	2,938,810
TAYLOR, STEPHEN J.	2,862,770	TOKYO INSTITUTE OF		VAN DEUTEKOM, JUDITH	
TEIJIN ARAMID B.V.	2,938,810	TECHNOLOGY	2,936,157	CHRISTINA THEODORA	2,862,628
TEIKOKU SEIYAKU CO., LTD.	2,920,284	TOLLEY, MIKE P.	2,901,474	VAN HOUTEN, YVONNE	
TELEFONAKTIEBOLAGET LM		TOMAR, ABHAY SINGH	2,806,786	MARIA	2,860,625
ERICSSON (PUBL)	2,978,489	TOMUTA, RAUL	2,945,420	VAN LIESHOUT, LAURA	3,023,706
TELEFONAKTIEBOLAGET LM		TONANI, ALBERTO	2,918,209	VAN VOORHEES, SETH	2,977,990
ERICSSON (PUBL)	3,042,304	TONG, JIAJIE	3,036,916	VASQUEZ, JULIO	3,113,428
TENDON, GARY	2,920,455	TONG, WEN	3,036,916	VASQUEZ, MAXIMILIANO	2,805,875
TENDULKAR, POOJA H.	3,093,725	TOPF, RICHARD P.	2,945,420	VECTALYS	2,843,165
TENG, ALEX	3,046,581	TORAY INDUSTRIES, INC.	2,879,185	VERDIER, LAURENT	2,927,414
TEXTRON INNOVATIONS		TORAY INDUSTRIES, INC.	2,911,440	VERGNAULT, HELENE	2,843,165
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THE BOEING COMPANY	2,945,420	TRAN, TUAN ANH	3,021,429	VIAVI SOLUTIONS INC.	2,862,905
THE BOEING COMPANY	2,975,134	TRANSGENE SA	2,770,075	VICTAULIC COMPANY	3,048,135
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THE DILLER CORPORATION	2,963,975	TRUIJEN, MICHAEL	2,948,941	VILPE OY	2,901,104
THE EASTERN COMPANY	2,930,611	TSCHIRKY, HANSJORG	2,917,706	VILTER MANUFACTURING	
THE GOVERNING COUNCIL		TSUBOUCHI, MASAFUMI	3,108,793	LLC	3,036,672
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WEATHERFORD TECHNOLOGY HOLDINGS, LLC	3,047,003	XING, ZHIGANG	3,057,119	ZHAO, CHUNLING	2,982,271
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WEBSTER, PAUL J. L.	2,905,616	XU, HAIBO	3,061,846	ZHAO, FENG	2,938,864
WEERATNA, RISINI DHAMMIKA	2,960,734	XUE, WEN-MEI	2,903,117	ZHOU, JIAJING	3,094,727
WEI, CHAO	3,055,439	XUZHOU ZHIRUN MINING EQUIPMENT SCIENCE AND TECHNOLOGY CO., LTD	3,045,865	ZHOU, JIEN	3,094,727
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JIANG, SIRUI	3,107,988	MILLS, RICH J.	3,106,657	ROCKWELL, RICHARD	3,072,255
JUENGST, SCOTT	3,107,703	MISTRAS GROUP, INC.	3,106,657	ROVI GUIDES, INC.	3,104,302
KASTE, MICHAEL C.	3,107,720	MMHG INC.	3,072,883	RYU, JINSOOK	3,109,172
KEEBLE, DREW	3,107,296	MORIMURA, KOUICHIROU	3,108,645	SABERI, FARHAD	3,072,696
KELLY, ROBERT A.	3,108,603	MORIMURA, KOUICHIROU	3,108,651	SAITTO, ANTONIO	3,108,455
KEMPPAINEN, JUKKA	3,108,647	MORIMURA, KOUICHIROU	3,108,653	SANIBEADS, LLC	3,089,950
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KNOTT, WILFRIED	3,108,499	HAITUYEN	3,072,618	SINGH, MANDEEP	3,094,493
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KUSAKARI, ICHIRO	3,108,651	NIKE INNOVATE C.V.	3,104,588	SOSA GONZALEZ, S.L.	3,088,806
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IDE, AKIHIRO	3,126,762	JANSSEN PHARMACEUTICA NV	3,127,152	KATZ, HARPREET	3,126,916
IDEAL INDUSTRIES, INC.	3,126,669	JANSSEN SCIENCES IRELAND UNLIMITED COMPANY	3,127,152	KAUR, HARPREET	3,126,871
IDEATION AS	3,126,908	JAROENTOMEETCHAI, THAPAKORN	3,126,492	KEDEM, GAL	3,127,212
IGUCHI, NORITAKA	3,126,760	JAULIN, KEVIN	3,126,468	KEE, ALEXANDER C.	3,127,214
IGUS GMBH	3,126,632	JAYAN, VIVEK	3,126,811	KEE, ALEXANDER C.	3,127,214
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IHI CORPORATION	3,126,903	JEWETT, MICHAEL CHRISTOPHER	3,126,492	KESSLER, SIMON	3,126,870
IHI CORPORATION	3,126,904	JIANG, CHUANGXIN	3,127,126	KESTELEYN, BART RUDOLF ROMANIE	3,127,152
ILLUMINA, INC.	3,126,683	JIANG, FAMING	3,126,721	KHAN, FARHA	3,126,702
ILLUSENSE, INC.	3,126,889	JIANG, RUI JING	3,126,939	KHAN, FARHA	3,126,703
ILVONEN, JANNE	3,126,365	JIANG, WEICHENG	3,126,742	KHAN, FARHA	3,126,704
IMMUNOCORE LIMITED	3,126,611	JIN, XIN	3,127,043	KHAN, FARHA	3,126,931
IMMUNOCORE LIMITED	3,126,628	JING, YIFENG, FRANK	3,126,896	KHARE, VIVEK	3,126,763
INAMI, YUKARI	3,126,687	JINGBO, LIU	3,127,161	KHODAKARAMI, ZEYNAB	3,127,110
INDIANA MILLS & MANUFACTURING, INC.	3,126,349	JOHNSON, ANDREW DAVID	3,126,628	KHRIPKOV, ALEXANDER	3,126,365
INDIVIOR UK LIMITED	3,126,944	JOHNSON, ANDY	3,126,611	KIAIE, NAMVAR	3,126,706
INNOVENT BIOLOGICS (SUZHOU) CO., LTD.	3,126,881	JOHNSON, DAN	3,126,350	KIEU, ALAIN	3,126,730
INOZYME PHARMA, INC.	3,126,839	JOHNSON, ERIC JOSEPH	3,127,014	KIM, CHEON-WOO	3,127,034
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE)	3,126,741	JOHNSON, MARK	3,126,954	KIM, CHEON-WOO	3,127,112
		JOHNSON, STEVEN A.	3,126,713	KIM, JAE WHA	3,126,887
		JONCKERS, TIM HUGO MARIA	3,127,152	KIM, MOONHWAN	3,126,689
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				KLEEMANN, HANS	3,127,002
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				KLEMT, ANDREAS	3,126,803
				KLEWER, OLAF	3,126,624
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KONINKLIJKE PHILIPS N.V.	3,126,883	LEE, KWAN, HEE	3,126,941	LISTON, THEODORE E.	3,126,600
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KOREA HYDRO & NUCLEAR		SEBASTIAAN	3,126,687	KAWARII	3,127,003
POWER CO., LTD.	3,127,112	LEEMING, PETER	3,127,220	LIU, BIN	3,127,130
KORINEK, WILLIAM S.	3,126,600	LEHMANN, MARC	3,127,146	LIU, BO	3,126,921
KORRO BIO, INC.	3,126,947	LEI, JING	3,127,226	LIU, CHRISTOPHER	3,126,727
KOSE, CENK	3,126,954	LEI, XIANTIAO	3,126,740	LIU, HONGBIN	3,127,136
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KUMAR, ASHWIN	3,126,706	LEWIS, ALTON	3,126,488	LIU, ZHONGTIAN	3,126,727
KUMAR, KULDIP	3,126,942	LI BASSI, GIUSEPPE	3,126,776	LOKIREDDY,	
KUNETZ, THOMAS	3,126,942	LI, BIXIONG	3,126,980	SUDARSANAREDDY	3,126,796
KUZNETSOVA, YULIYA	3,127,043	LI, BIXIONG	3,126,982	LOMBANA, TWYLA NOELLE	3,126,359
KWAST, ANKE	3,126,751	LI, CHIH-PING	3,127,226	LONIGRO, LUCIEN	3,126,468
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LABORATORIOS SALVAT,		LI, HONG	3,126,740	PHARMACEUTICAL LTD.	3,126,742
S.A.	3,127,151	LI, JIAN	3,126,976	LONZA LTD	3,126,742
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LAKE, JOHN W.	3,126,695	LI, TONGLIN	3,126,736	LOU, YANGTONG	3,126,738
LAMAR, JUSTIN	3,126,724	LI, TONGLIN	3,126,745	LOUGUET, STEPHANIE	3,126,268
LAMBERTI S.P.A.	3,126,776	LI, YONGCHAO	3,127,014	LOVE YOUR MELON INC.	3,126,930
LAN, TIAN	3,126,483	LI, YU NGOK	3,127,126	LOVE, MICHAEL R.	3,126,706
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LANFRANCHI, VINCENT	3,126,874	LIANG, JING	3,126,880	LOVSHALL-JENSEN, ASK	
LANGER, MARVIN	3,126,690	LIAO, XIBIN	3,126,940	EMIL	3,126,748
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LV, YUBIN	3,126,940	MEIRING, DONALD T.	3,126,799	MOSTOFINEJAD, DAVOOD	3,126,621
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MADISON, KIRK W.	3,126,889	ELECTRONICS CO. LTD	3,126,361	MROCKZKOWSKI, MATTHEW	
MAGNA EXTERIORS INC.	3,126,781	MELHUS, TROND	3,127,183	L.	3,126,604
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NI, HAIQING	3,126,881	OMORI, NAOMICHI	3,126,901	LAURENT MARIE	3,126,511
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JOHANNES	3,126,883	ONRUST, RENE	3,126,735	PATTI, JASON C.	3,126,926
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CORPORATION	3,127,094	ORAZI, LEONARDO	3,126,750	VIGAND	3,126,748
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NOGIWA, KIMIHIRO	3,126,762	OSPEDALE SAN RAFFAELE		PENG, JUAN	3,126,942
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PAUL ERNEST	3,126,505	OSTBERG, MARTIN	3,126,620	PERKINELMER HEALTH	
NOGUES, JEAN-MICHEL		OSTROVSKY, ISAAC	3,126,817	SCIENCES CANADA, INC.	3,126,674
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NOGUES, JEAN-MICHEL		OSTROVSKY, ISAAC	3,126,837	PETERSON, JAMES	3,126,924
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THE REGENTS OF THE		GMBH & CO. KG	INC.	3,127,220
UNIVERSITY OF		TSIN, HENRY	VIVIER CANADA INC.	3,126,875
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THE REGENTS OF THE		TUPALLY, KARNAKER	VIVO MOBILE	
UNIVERSTIY OF		TURNER, JEFFREY MARK	COMMUNICATION CO.,	
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THE ROYAL INSTITUTION		TURUNEN, SAMI	VKR HOLDING A/S	3,126,743
FOR THE		TZUR, ZEEV	VOGT, NALYND	3,127,129
ADVANCEMENT OF		UJJWAL, KUMAR	VOLODARSKY, ROGER	3,126,787
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THE TRUSTEES OF		UNITED STATES GYPSUM	INC.	3,126,595
COLUMBIA UNIVERSITY		COMPANY	W. L. GORE & ASSOCIATES,	
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YORK	3,126,677	LLC	W.C. BRADLEY CO.	3,126,345

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WALLEENDAEL, GLENN VAN	3,127,216	WU, YICHAO	3,126,968	ZHANG, SHUNYING	3,108,327
WANG, CHI	3,126,760	WU, YIHAO	3,126,877	ZHANG, WENHUA	3,127,187
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WANG, JIE	3,126,878	WYLER, BENJAMIN	3,126,742	ZHANG, XUEHAI	3,127,014
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WANG, XIANGDAN	3,126,728	XU, BING	3,126,968	ZHANG, ZHIQUN	3,126,895
WANG, XIAODONG	3,126,969	XU, BING	3,126,969	ZHAO, JUN	3,126,976
WANG, XIAOQING	3,126,736	XU, JIZHENG	3,127,136	ZHAO, LELE	3,126,976
WANG, XIAOQING	3,126,745	XU, KE	3,126,736	ZHAO, NING	3,126,976
WANG, YING	3,126,727	XU, KE	3,126,745	ZHAO, ZHUN	3,126,607
WANG, YUE	3,127,136	XU, QIHUA	3,126,717	ZHAO, ZHUN	3,126,676
WANSTEDT, STEFAN	3,126,770	XU, SHENHUA	3,126,654	ZHAO, ZHUN	3,126,697
WARD, ANDREW MARK	3,126,607	XU, WEI	3,126,721	ZHENG, MINGFANG	3,126,736
WARD, ANDREW MARK	3,126,676	XU, XIAOBIN	3,126,710	ZHENG, MINGFANG	3,126,745
WARD, ANDREW MARK	3,126,697	XU, ZUSHENG	3,126,738	ZHENG, QIAN	3,126,880
WARD, STUART	3,126,751	XUANZHU		ZHOU, XIANG	3,126,832
WATERS, DARREN	3,126,863	BIOPHARMACEUTICAL CO., LTD.	3,127,130	ZHU, DA	3,126,964
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AGBIOME, INC.	3,125,977	COOPER, TIMOTHY SCOTT	3,125,871	ROBERTSON	3,125,660
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ALEXANDER, ASHLEY E.	3,125,973	COUPE, PIERRICK	3,125,883	FREE, DANIEL E.	3,125,595
ALIGN TECHNOLOGY INC.	3,125,260	COWEN, NEIL M.	3,125,835	FREER, ERIK	3,123,783
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ALTIUM PACKAGING LP	3,125,209	CZERPAK, PETER	3,123,783	GABBAY, LYNN D.	3,125,564
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ARCELORMITTAL TUBULAR PRODUCTS LUXEMBOURG S.A.	3,125,149	DAIICHI SANKYO COMPANY, LIMITED	3,126,646	GAMBOA, JUAN ANTONIO	3,125,862
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BARBIS, ANDREJ	3,125,871	DODGE, GARRETT F.	3,125,630	GIRAUD, DAMON JAY	3,125,495
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BOEHM, JOHANNES	3,125,246	DOLBY INTERNATIONAL AB	3,125,248	GRAY, KYLE	3,126,369
BOEHM, JOHANNES	3,125,248	DOLBY INTERNATIONAL AB	3,125,378	GROUF, NICHOLAS A.	3,125,558
BOERSEN, NATHAN	3,125,862	EDWARDS LIFESCIENCES CORPORATION	3,126,016	GROUF, NICHOLAS A.	3,125,564
BOHL, SCOT	3,125,656	EGGAN, KEVIN	3,118,842	GUARDANT HEALTH, INC.	3,126,055
BOZZA, STEPHEN	3,125,586	ELECTRONIC WARFARE ASSOCIATES, INC.	3,125,722	HALLIBURTON ENERGY SERVICES, INC.	3,125,832
BOWES, ROBERT	3,126,016	ELTOUKHY, HELMY	3,126,055	HAMADA, HIROFUMI	3,125,713
BRADBURY, MARGARET	3,124,804	EMERSON, LINDSEY	3,125,558	HAMADA, HIROFUMI	3,126,646
BRAUER, WOLFGANG	3,125,260	EMERSON, LINDSEY	3,125,564	HAMID, LAURENCE	3,125,586
BRUNO, ROBERT H.	3,125,973	EPSTEIN, JAMES	3,125,631	HAN, JOHN	3,125,660
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CARLSON, JOHN R.	3,126,068	ESSENTIALIS, INC.	3,125,839	HARADA, NAOYA	3,126,646
CARLSSON, PONTUS	3,125,378	EVANS, MERLE E.	3,125,149	HARRAZ, HATEM	3,123,783
CARTER, JOHN	3,124,804	EVATT, BOB	3,125,656	HAYAKAWA, ICHIRO	3,125,713
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CHUDOVA, DARYA	3,126,055	FERRONE, ANDREW	3,126,080	HOU, CHAN V.	3,125,564
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KLOPFER, KEVIN JOSEPH	3,125,862	NAKADA, TAKASHI	3,125,713	SCHAMMEL, WAYNE	3,123,783
KNOETGEN, HENDRIK	3,125,875	NAKADA, TAKASHI	3,126,646	SCHER, ERIK C.	3,123,783
KORDON, SVEN	3,125,228	NAKAMURA, KENSUKE	3,125,713	SCHUETZLE, DENNIS	3,125,720
KORDON, SVEN	3,125,246	NAKAMURA, KENSUKE	3,126,646	SCHUETZLE, ROBERT	3,125,720
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LEE, THOMAS	3,125,862	OTA, YUSUKE	3,126,646	SPAGNOLI, ROBERT	3,125,209
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WETTER, MICHAEL	3,125,293
WINKLER, JURGEN	3,125,260
WRIGHT MEDICAL TECHNOLOGY, INC.	3,125,595
XU, JEAN	3,125,862
ZASADZINSKI, TARA MARIE	3,125,973
ZHANG, AIHUA	3,123,783
ZHANG, CHENGZHI	3,124,804
ZIZZA, MICHAEL J.	3,057,926