Canadian Intellectual Property Office

An Agency of Industry Canada

Office de la propriété intellectuelle du Canada

Un organisme d'Industrie Canada

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 150 No. 34 August 23, 2022 Vol. 150 No. 34 le 23 août 2022

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

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

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

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.

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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. 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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of August 23, 2022 contains applications open to public inspection from August 7, 2022 to August 13, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 23 août 2022 contient les demandes disponibles au public pour consultation pour la période du 7 août 2022 au 13 août 2022.

16. Erratum

All information respecting patent application number 3,079,476 referred to under the section *Canadian Divisional and Previously Unavailable Applications Open to Public Inspection*, contained in Vol. 148 No. 44 November 03, 2020, in the issue of the *Canadian Patent Office Record,* were erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet numéro 3,079,476 mentionné dans la rubrique *Demandes Canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant*, contenues dans le Vol. 148 No 44 du 03 novembre 2020, de la gazette du bureau des brevets, ont été publiées par erreur et doivent être ignorées.

17. Erratum

The PCT International Filing Data (INID code [86]) respecting patent application number 3,160,059 referred to under the section *PCT Applications Entering the National Phase* contained in the Vol. 150 No. 33 August 16 2022 issue on page 130 of the *Canadian Patent Office Record* must be read as “2020-12-04 (PCT/CA2020/000139)”.

17. Erratum

Les données du dépôt international selon le PCT (code INID [86]) relatives à la demande de brevet numéro 3 160 059 mentionnée dans la liste *des Demandes PCT entrant en phase nationale* contenue dans le vol. 150 n° 33 du 16 août 2022 à la page 130 de la *Gazette du Bureau des brevets* doivent se lire « 2020-12-04 (PCT/CA2020/000139) ».

18. Erratum

The PCT International Filing Data (INID code [86]) respecting patent application number 3,155,043 referred to under the section *PCT Applications Entering the National Phase* contained in the Vol. 150 No. 24 June 14 2022 issue on page 135 of the *Canadian Patent Office Record* must be read as "2020-10-23 (PCT/IB2020/060004)".

The PCT International Publication data (INID code [87]) respecting patent application number 3,155,043 referred to under the section *PCT Applications Entering the National Phase* contained in the Vol. 150 No. 24 June 14 2022 issue on page 135 of the *Canadian Patent Office Record* must be read as "(WO2021/079352)".

18. Erratum

Les données du dépôt international selon le PCT (code INID [86]) relatives à la demande de brevet numéro 3 155 043 mentionnée dans la liste *des Demandes PCT entrant en phase nationale* contenue dans le vol. 150 n° 24 du 14 juin 2022 à la page 135 de la *Gazette du Bureau des brevets* doivent se lire « 2020-10-23 (PCT/IB2020/060004) ».

Les données de publication internationale selon le PCT (code INID [87]) relatives à la demande de brevet numéro 3 155 043 mentionnée dans la liste *des Demandes PCT entrant en phase nationale* contenue dans le vol. 150 n° 24 du 14 juin 2022 à la page 135 de la *Gazette du Bureau des brevets* doivent se lire « (WO2021/079352) ».

19. Erratum

The open to public inspection date (INID code [41]) respecting patent application number 3,148,064 referred to under the section *Canadian Divisional and Previously Unavailable Applications Open to Public Inspection* contained in the Vol. 150 No. 12 March 22 2022 issue on page 161 of the *Canadian Patent Office Record* must be read as “2022-03-22”.

19. Erratum

La date de mise à la disponibilité du public (code INID [41]) relative à la demande de brevet numéro 3 148 064 mentionnée dans la liste des *demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant* contenue dans le vol. 150 n° 12 du 12 mars 2022 à la page 161 de la *Gazette du Bureau des brevets* doit se lire « 2022-03-22 ».

Canadian Patents Issued

August 23, 2022

Brevets canadiens délivrés

23 août 2022

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[11] **2,648,151**
[13] C
[51] **Int.Cl. G01N 33/487 (2006.01) A61B 5/00 (2006.01) G01N 27/30 (2006.01) G01N 27/327 (2006.01)**
[25] EN
[54] **METHODS AND MATERIALS FOR CONTROLLING THE ELECTROCHEMISTRY OF ANALYTE SENSORS**
[54] **PROCEDES ET MATERIAUX POUR CONTROLER L'ELECTROCHIMIE DE DETECTEURS D'ANALYTES**
[72] SHAH, RAJIV, US
[72] HOSS, UDO, US
[72] GOTTLIEB, REBECCA K., US
[72] SOUNDARARAJAN, GOPIKRISHNAN, US
[72] HOLKER, JAMES D., US
[73] MEDTRONIC MINIMED, INC., US
[85] 2008-10-01
[86] 2007-04-04 (PCT/US2007/008491)
[87] (WO2007/114943)
[30] US (11/397,543) 2006-04-04

---

[11] **2,721,229**
[13] C
[51] **Int.Cl. A61K 47/56 (2017.01) A61K 38/47 (2006.01) A61P 35/00 (2006.01) C12N 9/26 (2006.01)**
[25] EN
[54] **MODIFIED HYALURONIDASES AND USES IN TREATING HYALURONAN-ASSOCIATED DISEASES AND CONDITIONS**
[54] **HYALURONIDASES MODIFIEES ET UTILISATIONS POUR TRAITER DES MALADIES ET DES PATHOLOGIES ASSOCIEES A L'ACIDE HYALURONIQUE**
[72] FROST, GREGORY I., US
[72] JIANG, PING, US
[72] THOMPSON, CURTIS B., US
[73] HALOZYME, INC., US
[85] 2010-10-13
[86] 2009-04-14 (PCT/US2009/002352)
[87] (WO2009/128917)
[30] US (61/195,624) 2008-10-08
[30] US (61/130,357) 2008-05-29
[30] US (61/124,278) 2008-04-14

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[11] **2,753,000**
[13] C
[51] **Int.Cl. H04L 9/14 (2006.01) H04N 21/4405 (2011.01)**
[25] EN
[54] **KEY DERIVATION FOR SECURE COMMUNICATIONS**
[54] **DERIVATION DE CLES CONCUE POUR DES COMMUNICATIONS SECURISEES**
[72] FAHRNY, JAMES W., US
[72] KUYKENDALL, PETE, US
[72] DAVOUST, NANCY, US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
[86] (2753000)
[87] (2753000)
[22] 2011-09-23
[30] US (12/895,121) 2010-09-30

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[11] **2,772,224**
[13] C
[51] **Int.Cl. C12N 15/31 (2006.01) C07K 14/195 (2006.01) C07K 16/12 (2006.01)**
[25] EN
[54] **COMPLETE GENOME SEQUENCE OF THE METHANOGEN METHANOBREVIBACTER RUMINANTIUM**
[54] **SEQUENCE GENOMIQUE COMPLETE DU METHANOBREVIBACTER RUMINANTIUM METHANOGENE**
[72] ALTERMANN, ERIC HEINZ, NZ
[72] ATTWOOD, GRAEME TREVOR, NZ
[72] COOK, GREGORY, NZ
[72] DEY, DEBJIT, NZ
[72] FERGUSON, SCOTT A., GB
[72] JANSSEN, PETRUS HENDRICUS, NZ
[72] KELLY, WILLIAM JOHN, NZ
[72] KONG, ZHANHAO, CN
[72] LAMBIE, SUZANNE, NZ
[72] LEAHY, SINEAD CHRISTINE, NZ
[72] LI, DONG, NZ
[72] MCMILLAN, DUNCAN, NZ
[72] MCTAVISH, SHARLA, GB
[72] PACHECO, DIANA, NZ
[72] RONIMUS, ROBERT STARR, NZ
[72] SANG, CARRIE, NZ
[72] YEOMAN, CARL, US
[73] PASTORAL GREENHOUSE GAS RESEARCH LTD, NZ
[85] 2012-02-24
[86] 2010-08-27 (PCT/NZ2010/000169)
[87] (WO2011/025394)
[30] US (61/237,296) 2009-08-27
[30] NZ (579292) 2009-08-27

[11] **2,778,348**
[13] C
[51] **Int.Cl. C07D 211/46 (2006.01) A61K 31/445 (2006.01) A61P 25/16 (2006.01) C07D 211/96 (2006.01)**
[25] EN
[54] **NOVEL COMPOSITIONS FOR PREVENTING AND/OR TREATING DEGENERATIVE DISORDERS OF THE CENTRAL NERVOUS SYSTEM**
[54] **NOUVELLES COMPOSITIONS POUR PREVENIR ET/OU TRAITER DES TROUBLES DEGENERATIFS DU SYSTEME NERVEUX CENTRAL**
[72] BOYD, ROBERT, US
[72] LEE, GARY, US
[72] RYBCZYNSKI, PHILIP, US
[73] AMICUS THERAPEUTICS, INC., US
[85] 2012-04-19
[86] 2010-10-05 (PCT/US2010/051447)
[87] (WO2011/049736)
[30] US (61/252,803) 2009-10-19

[11] **2,786,175**
[13] C
[51] **Int.Cl. G06Q 40/04 (2012.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **DEVICE, METHOD AND SYSTEM OF PRICING FINANCIAL INSTRUMENTS**
[54] **DISPOSITIF, PROCEDE ET SYSTEME D'ETABLISSEMENT DE PRIX D'INSTRUMENTS FINANCIERS**
[72] GERSHON, DAVID, IL
[73] SUPERDERIVATIVES, INC., US
[85] 2012-06-29
[86] 2011-01-04 (PCT/IB2011/050026)
[87] (WO2011/080727)
[30] US (61/291,942) 2010-01-04

[11] **2,799,213**
[13] C
[51] **Int.Cl. B05D 5/08 (2006.01) B05D 7/02 (2006.01) B05D 7/24 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PREPARING A LUBRICITY VESSEL COATING**
[54] **PROCEDE ET APPAREIL POUR GENERER ET PREPARER UN REVETEMENT LUBRIFIANT POUR CUVES**
[72] FELTS, JOHN T., US
[72] FISK, THOMAS E., US
[72] FERGUSON, JOHN, US
[72] FREEDMAN, JONATHAN R., US
[72] PANGBORN, ROBERT J., US
[72] SAGONA, PETER J., US
[72] ABRAMS, ROBERT S., US
[73] SIO2 MEDICAL PRODUCTS, INC., US
[85] 2012-11-09
[86] 2011-05-11 (PCT/US2011/036097)
[87] (WO2011/143329)
[30] US (PCT/US2010/034586) 2010-05-12
[30] EP (10162761.0) 2010-05-12
[30] US (12/779,007) 2010-05-12
[30] US (61/359,434) 2010-06-29
[30] US (61/413,334) 2010-11-12
[30] US (61/452,526) 2011-03-14

[11] **2,803,485**
[13] C
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **IMPLANTABLE ELECTRICAL STIMULATOR**
[54] **STIMULATEUR ELECTRIQUE IMPLANTABLE**
[72] MASHIACH, ADI, IL
[73] MAN & SCIENCE SA, BE
[85] 2012-12-20
[86] 2010-10-19 (PCT/IL2010/000856)
[87] (WO2011/048590)
[30] US (12/581,907) 2009-10-20

[11] **2,804,602**
[13] C
[51] **Int.Cl. C12N 15/12 (2006.01) A01K 67/027 (2006.01) A61K 38/37 (2006.01) A61K 48/00 (2006.01) A61P 7/04 (2006.01) C07K 14/755 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/85 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **SYNTHETIC LIVER-SPECIFIC PROMOTER**
[54] **PROMOTEUR HEPATO-SPECIFIQUE DE SYNTHESE**
[72] NATHWANI, AMIT, GB
[72] WARD, NATALIE, GB
[72] THRASHER, ADRIAN, GB
[72] TUDDENHAM, EDWARD, GB
[72] MCVEY, JOHN, GB
[72] GRAY, JOHN, US
[72] DAVIDOFF, ANDREW, US
[73] UCL BUSINESS PLC, GB
[73] THROMBOSIS RESEARCH INSTITUTE, GB
[73] ST. JUDE CHILDREN'S RESEARCH HOSPITAL, US
[85] 2013-01-07
[86] 2010-07-08 (PCT/US2010/041378)
[87] (WO2011/005968)
[30] GB (0911870.4) 2009-07-08

[11] **2,807,546**
[13] C
[51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/69 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **CYCLIC BORONIC ACID ESTER DERIVATIVES AND THERAPEUTIC USES THEREOF**
[54] **DERIVES CYCLIQUES D'ESTERS D'ACIDE BORONIQUE ET LEURS UTILISATIONS THERAPEUTIQUES**
[72] HIRST, GAVIN, US
[72] REDDY, RAJA, US
[72] HECKER, SCOTT, US
[72] TOTROV, MAXIM, US
[72] GRIFFITH, DAVID, C., US
[72] RODNY, OLGA, US
[72] DUDLEY, MICHAEL, N., US
[72] BOYER, SERGE, US
[73] REMPEX PHARMACEUTICALS, INC., US
[85] 2013-02-05
[86] 2011-08-08 (PCT/US2011/046957)
[87] (WO2012/021455)
[30] US (61/372,296) 2010-08-10
[30] US (61/488,655) 2011-05-20

[11] **2,808,667**
[13] C
[51] **Int.Cl. H01F 27/32 (2006.01) H01B 3/40 (2006.01) H01F 27/10 (2006.01)**
[25] EN
[54] **IMPROVED POLYAMIDE ELECTRICAL INSULATION FOR USE IN LIQUID FILLED TRANSFORMERS**
[54] **ISOLANT ELECTRIQUE AMELIORE A BASE DE POLYAMIDE DESTINE A ETRE UTILISE DANS DES TRANSFORMATEURS A ISOLANT LIQUIDE**
[72] WEINBERG, MARTIN, US
[73] WEINBERG, MARTIN, US
[85] 2013-02-15
[86] 2011-08-19 (PCT/US2011/048446)
[87] (WO2012/024602)
[30] US (61/401,749) 2010-08-19

[11] **2,816,325**
[13] C
[51] **Int.Cl. C12N 9/64 (2006.01) A61K 47/62 (2017.01) A61K 38/48 (2006.01) A61P 7/04 (2006.01) C12N 5/10 (2006.01) C12N 15/57 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **MODIFIED FACTOR IX POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES DE FACTEUR IX MODIFIES ET LEURS APPLICATIONS**
[72] MADISON, EDWIN L., US
[72] THANOS, CHRISTOPHER, US
[72] BLOUSE, GRANT ELLSWORTH, US
[73] CATALYST BIOSCIENCES, INC., US
[85] 2013-04-26
[86] 2011-11-03 (PCT/US2011/059233)
[87] (WO2012/061654)
[30] US (61/456,298) 2010-11-03

[11] **2,816,489**
[13] C
[51] **Int.Cl. C12N 5/077 (2010.01) C12N 5/071 (2010.01)**
[25] EN
[54] **PERIVASCULAR MESENCHYMAL PRECURSOR CELLS**
[54] **CELLULES PRECURSEURS MESENCHYMATEUSES PERIVASCULAIRES**
[72] GRONTHOS, STAN, AU
[72] ZANNETTINO, ANDREW, AU
[72] SHI, SONGTAO, US
[73] MESOBLAST, INC., US
[86] (2816489)
[87] (2816489)
[22] 2004-03-29
[62] 2,520,273
[30] AU (2003901668) 2003-03-28

[11] **2,816,922**
[13] C
[51] **Int.Cl. B29C 65/08 (2006.01)**
[25] EN
[54] **POLYAMIDE (NYLON) PILE WEATHERSTRIPPING AND BRUSH ARTICLES ULTRASONICALLY REACTIVELY BONDED TO POLYPROPYLENE**
[54] **COUPE-BISE EN VELOURS POLYAMIDE (NYLON) ET ARTICLES DE TYPE BROSSES LIES PAR REACTION PAR ULTRASONS A DU POLYPROPYLENE**
[72] LOUGHNEY, DAVID M., US
[72] SCHERLEIN, JOHN F., US
[72] CHANTHABANDITH, AKIRA, US
[73] ULTRAFAB, INC., US
[85] 2013-05-03
[86] 2011-11-03 (PCT/US2011/001851)
[87] (WO2012/060876)
[30] US (61/456,240) 2010-11-03

[11] **2,817,882**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6886 (2018.01) C12N 15/113 (2010.01)**
[25] EN
[54] **MIRNAS AS BIOMARKERS FOR DISTINGUISHING BENIGN FROM MALIGNANT THYROID NEOPLASMS**
[54] **MICRO-ARN UTILISES COMME BIOMARQUEURS POUR FAIRE LA DISTINCTION ENTRE DES NEOPLASMES THYROIDIENS BENINS ET MALINS**
[72] BEAUDENON-HUIBREGTSE, SYLVIE, US
[72] CHOUDHARY, ASHISH, US
[73] INTERPACE DIAGNOSTICS, LLC, US
[85] 2013-05-13
[86] 2011-11-17 (PCT/US2011/061237)
[87] (WO2012/068400)
[30] US (61/414,778) 2010-11-17

[11] **2,826,693**
[13] C
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 11/08 (2006.01) F01D 25/24 (2006.01)**
[25] EN
[54] **TURBOPROP ENGINE WITH COMPRESSOR TURBINE SHROUD**
[54] **TURBOPROPULSEUR DOTE D'UN CARENAGE DE TURBINE DE PROPULSEUR**
[72] MACFARLANE, IAN ALEXANDER, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2826693)
[87] (2826693)
[22] 2013-09-10
[30] US (13/613,904) 2012-09-13

[11] **2,832,581**
[13] C
[51] **Int.Cl. A61K 38/18 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **METHOD OF TREATING OR AMELIORATING METABOLIC DISORDERS USING GROWTH DIFFERENTIATION FACTOR 15 (GDF-15)**
[54] **METHODE DE TRAITEMENT OU D'AMELIORATION DE TROUBLES METABOLIQUES A L'AIDE DU FACTEUR 15 DE DIFFERENCIATION DE CROISSANCE (GDF-15)**
[72] XIONG, YUMEI, US
[72] LI, YANG, US
[72] YEH, WEN-CHEN, US
[72] SHAN, BEI, US
[72] SHENG, JACKIE ZEQI, US
[73] AMGEN INC., US
[85] 2013-10-07
[86] 2012-04-05 (PCT/US2012/032415)
[87] (WO2012/138919)
[30] US (61/473,583) 2011-04-08

---

[11] **2,844,269**
[13] C
[51] **Int.Cl. E21B 19/08 (2006.01)**
[25] EN
[54] **REPLACEABLY LINED CABLE GUIDES AND TENSIONING ROLLER FOR DRILL LINE SLIP AND CUT OPERATIONS ON A DRILLING RIG**
[54] **GUIDES DE CABLES ALIGNES DE FACONS MOBILES ET GALET TENDEUR POUR DES OPERATIONS DE FILAGE ET DE COUPAGE DE COLONNE DE FORAGE SUR UNE INSTALLATION DE FORAGE**
[72] URQUHART, JESSE, CA
[73] URQUHART, JESSE, CA
[86] (2844269)
[87] (2844269)
[22] 2014-02-27
[30] US (61/770,002) 2013-02-27

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[11] **2,851,966**
[13] C
[51] **Int.Cl. H02J 3/24 (2006.01)**
[25] EN
[54] **POWER SYSTEM STABILIZATION**
[54] **STABILISATION DE SYSTEME DE PUISSANCE**
[72] CHAUDHURI, NILANJAN RAY, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2851966)
[87] (2851966)
[22] 2014-05-15
[30] US (13/905,415) 2013-05-30

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[11] **2,852,948**
[13] C
[51] **Int.Cl. G06F 16/21 (2019.01) G06F 16/23 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPTIMIZING THE LOADING OF DATA SUBMISSIONS**
[54] **SYSTEME ET PROCEDE D'OPTIMISATION DU CHARGEMENT DE DEPOTS DE DONNEES**
[72] CARSON, JEFFREY, US
[72] HASZLAKIEWICZ, ERIC, US
[72] PARKER, STANLEY, US
[72] WAJDA, MARK, CA
[73] TRANS UNION, LLC, US
[85] 2014-04-17
[86] 2012-10-18 (PCT/US2012/060845)
[87] (WO2013/066633)
[30] US (61/549,737) 2011-10-20
[30] US (13/654,267) 2012-10-17

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[11] **2,856,455**
[13] C
[51] **Int.Cl. C12N 7/02 (2006.01)**
[25] EN
[54] **SCALABLE LENTIVIRAL VECTOR PRODUCTION SYSTEM COMPATIBLE WITH INDUSTRIAL PHARMACEUTICAL APPLICATIONS**
[54] **SYSTEME DE PRODUCTION D'UN VECTEUR LENTIVIRAL POUVANT ETRE MIS A L'ECHELLE COMPATIBLE AVEC DES APPLICATIONS PHARMACEUTIQUES INDUSTRIELLES**
[72] MARCEAU, NICOLAS, FR
[72] GASMI, MEHDI, US
[73] GENETHON, FR
[85] 2014-05-21
[86] 2012-11-26 (PCT/EP2012/073645)
[87] (WO2013/076309)
[30] EP (11306551.0) 2011-11-24
[30] US (61/563,566) 2011-11-24

---

[11] **2,857,843**
[13] C
[51] **Int.Cl. B01D 17/02 (2006.01) C02F 1/24 (2006.01) C02F 1/40 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DE-OILING A FEED OF OIL AND WATER**
[54] **PROCEDE ET SYSTEME POUR DESHUILER UNE ALIMENTATION EN HUILE ET EAU**
[72] BOZAK, WADE R., CA
[73] 1501367 ALBERTA LTD., CA
[86] (2857843)
[87] (2857843)
[22] 2014-07-25
[30] US (61/862,886) 2013-08-06

[11] **2,861,357**
[13] C
[51] **Int.Cl. A61K 33/06 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **TOPICAL MINOCYCLINE COMPOSITIONS AND METHODS OF USING THE SAME**
[54] **COMPOSITIONS TOPIQUES DE MINOCYCLINE ET LEURS PROCEDES D'UTILISATION**
[72] MANSOURI, ZAHRA, US
[73] LABORATORY SKIN CARE, INC., US
[85] 2014-07-16
[86] 2012-01-19 (PCT/US2012/021926)
[87] (WO2012/100097)
[30] US (61/434,368) 2011-01-19

[11] **2,863,387**
[13] C
[51] **Int.Cl. E04G 3/22 (2006.01) A63B 27/00 (2006.01) E04D 15/00 (2006.01)**
[25] EN
[54] **ROOF CLIMBING TOOL**
[54] **OUTIL D'ASCENSION DE TOIT**
[72] WEBSTER, DANIEL, US
[72] GRAVES, GARY, US
[73] WEBSTER, DANIEL, US
[73] GRAVES, GARY, US
[86] (2863387)
[87] (2863387)
[22] 2014-09-12
[30] US (61/876,985) 2013-09-12

[11] **2,865,855**
[13] C
[51] **Int.Cl. C09K 8/74 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **AQUEOUS SOLUTION AND METHOD FOR USE THEREOF**
[54] **SOLUTION AQUEUSE ET PROCEDE D'UTILISATION DE CELLE-CI**
[72] JIANG, LI, US
[72] LECERF, BRUNO, US
[72] ZIAUDDIN, MURTAZA, US
[72] HUTCHINS, RICHARD D., US
[72] JONES, TIMOTHY G. J., GB
[72] HE, JIAN, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[86] (2865855)
[87] (2865855)
[22] 2014-10-03
[30] US (14/062,291) 2013-10-24

[11] **2,867,529**
[13] C
[51] **Int.Cl. A61K 39/35 (2006.01)**
[25] EN
[54] **TREATMENT FOR PEANUT ALLERGY**
[54] **TRAITEMENT POUR L'ALLERGIE A L'ARACHIDE**
[72] CLARK, ANDREW, GB
[72] EWAN, PAMELA, GB
[73] CAMBRIDGE UNIVERSITY HOSPITALS NHS FOUNDATION TRUST, GB
[85] 2014-09-16
[86] 2012-03-16 (PCT/GB2012/050584)
[87] (WO2012/123759)
[30] GB (1104537.4) 2011-03-17

[11] **2,869,099**
[13] C
[51] **Int.Cl. F03D 80/00 (2016.01) B25B 11/00 (2006.01) F03D 1/06 (2006.01)**
[25] EN
[54] **A TEMPLATE FOR ALIGNING SURFACE FEATURES ON A ROTOR BLADE**
[54] **MODELE POUR ALIGNER DES CARACTERISTIQUES DE SURFACE SUR UNE LAME DE ROTOR**
[72] BOOTH, MICHAEL CHRISTOPHER, US
[72] RIDDELL, SCOTT GABELL, US
[72] WILSON, MEGAN MICHELA, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2869099)
[87] (2869099)
[22] 2014-10-30
[30] US (14/076,441) 2013-11-11

[11] **2,870,320**
[13] C
[51] **Int.Cl. C07K 16/18 (2006.01) G01N 33/48 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **RAPID TEST FOR CELLULAR FIBRONECTIN**
[54] **TEST RAPIDE POUR LA FIBRONECTINE CELLULAIRE**
[72] DIAMOND, CORNELIUS, US
[73] PREDICTION BIOSCIENCES S.A.S., FR
[85] 2014-10-10
[86] 2013-04-11 (PCT/IB2013/001164)
[87] (WO2013/153457)
[30] US (13/506,357) 2012-04-13

[11] **2,874,168**
[13] C
[51] **Int.Cl. H02J 3/14 (2006.01) H01F 27/29 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REGULATION OF VOLTAGE ON AN ELECTRIC POWER SYSTEM**
[54] **SYSTEME ET PROCEDE DE REGULATION DE TENSION DANS UN SYSTEME D'ALIMENTATION ELECTRIQUE**
[72] BAERTHLEIN, EVA-MARIA, US
[72] PANOSYAN, ARA, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2874168)
[87] (2874168)
[22] 2014-12-11
[30] US (14/109,290) 2013-12-17

[11] **2,874,703**
[13] C
[51] **Int.Cl. A61K 31/485 (2006.01) A61P 25/32 (2006.01)**
[25] EN
[54] **NALMEFENE FOR REDUCTION OF ALCOHOL CONSUMPTION IN SPECIFIC TARGET POPULATIONS**
[54] **UTILISATION DE NALMEFENE POUR REDUIRE LA CONSOMMATION D'ALCOOL DANS DES POPULATIONS CIBLES SPECIFIQUES**
[72] TORUP, LARS, DK
[72] ABBARIKI, AFSANEH, DK
[72] BLADSTROM, ANNA, SE
[72] PERSSON, CHRISTINE, SE
[72] MEULIEN, DIDIER, FR
[72] SORENSEN, PER, DK
[72] JENSEN, THOMAS JON, DK
[72] OSTERGAARD, JETTE BUCH, DK
[73] H. LUNDBECK A/S, DK
[85] 2014-11-25
[86] 2013-06-27 (PCT/EP2013/063461)
[87] (WO2014/001427)
[30] US (61/664,804) 2012-06-27
[30] US (61/721,539) 2012-11-02
[30] US (61/736,740) 2012-12-13
[30] US (61/788,810) 2013-03-15

[11] **2,874,840**
[13] C
[51] **Int.Cl. E04D 13/04 (2006.01) E04D 13/16 (2006.01) E04F 15/02 (2006.01)**
[25] EN
[54] **SURFACE COVERING SYSTEMS AND METHODS FOR PREPARING SUCH A SYSTEM**
[54] **SYSTEME COUVRANT UNE SURFACE ET PROCEDE DE FABRICATION D'UN TEL SYSTEME**
[72] SJODEN, TORD, SE
[72] BOART, ULF, SE
[72] GUSTAVSON, MORTEN, SE
[73] GRADE GROUP AS, NO
[85] 2014-11-26
[86] 2013-05-15 (PCT/SE2013/050544)
[87] (WO2013/172775)
[30] SE (1250504-6) 2012-05-16
[30] SE (1250734-9) 2012-06-29
[30] SE (1350095-4) 2013-01-29

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[11] **2,876,032**
[13] C
[51] **Int.Cl. C09K 8/528 (2006.01)**
[25] EN
[54] **A METHOD OF INHIBITING SCALE IN A GEOLOGICAL FORMATION**
[54] **PROCEDE D'INHIBITION DE TARTRE DANS UNE FORMATION GEOLOGIQUE**
[72] GHORBANI, NASSER, GB
[72] FLEMING, NIALL, NO
[72] WILSON, MARK, GB
[72] KAPUR, NIKIL, GB
[72] NEVILLE, ANNE, GB
[73] UNIVERSITY OF LEEDS, GB
[85] 2014-12-08
[86] 2013-06-06 (PCT/GB2013/051496)
[87] (WO2013/182852)
[30] GB (1210034.3) 2012-06-07

---

[11] **2,879,357**
[13] C
[51] **Int.Cl. A61F 13/00 (2006.01)**
[25] EN
[54] **NEGATIVE PRESSURE WOUND CLOSURE DEVICE**
[54] **DISPOSITIF DE FERMETURE DE PLAIE PAR PRESSION NEGATIVE**
[72] DUNN, RAYMOND M., US
[72] HARTWELL, EDWARD YERBURY, GB
[72] HAMMOND, VICTORIA JODY, GB
[72] HICKS, JOHN KENNETH, GB
[72] HUDDLESTON, ELIZABETH MARY, GB
[72] KELLY, ANDREW, GB
[72] LINTON, ANDREW, GB
[72] RICHARDSON, MARK, GB
[72] SAXBY, CARL, GB
[72] STERN, TIM, GB
[73] SMITH & NEPHEW, INC., US
[73] UNIVERSITY OF MASSACHUSETTS, US
[85] 2015-01-15
[86] 2013-07-16 (PCT/US2013/050698)
[87] (WO2014/014922)
[30] US (61/672,225) 2012-07-16
[30] US (61/771,732) 2013-03-01
[30] US (61/780,629) 2013-03-13

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[11] **2,882,975**
[13] C
[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INHIBITING HYPOXIA INDUCED DAMAGE**
[54] **COMPOSITIONS ET PROCEDES D'INHIBITION D'UN DOMMAGE INDUIT PAR L'HYPOXIE**
[72] KANDEL, EUGENE, US
[72] ZYNDA, EVAN, US
[72] SCHOTT, BRIGITTE, FR
[73] HEALTH RESEARCH, INC., US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2015-02-25
[86] 2013-09-05 (PCT/US2013/058220)
[87] (WO2014/039648)
[30] US (61/697,366) 2012-09-06
[30] US (61/779,256) 2013-03-13

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[11] **2,883,968**
[13] C
[51] **Int.Cl. C12N 9/04 (2006.01) C12N 9/00 (2006.01) C12N 9/02 (2006.01) C12N 9/10 (2006.01) C12N 9/12 (2006.01) C12N 9/88 (2006.01) C12N 9/90 (2006.01)**
[25] EN
[54] **IMPROVED PRODUCTION OF FATTY ACID DERIVATIVES**
[54] **PRODUCTION AMELIOREE DE DERIVES D'ACIDES GRAS**
[72] GREENFIELD, DEREK L., US
[72] SCHIRMER, ANDREAS W., US
[72] CLARKE, ELIZABETH J., US
[72] GROBAN, ELI S., US
[72] DA COSTA, BERNARDO M., US
[72] HU, ZHIHAO, US
[72] HOLDEN, KEVIN, US
[72] HELMAN, NOAH, US
[73] GENOMATICA, INC., US
[85] 2014-10-01
[86] 2013-04-02 (PCT/US2013/035037)
[87] (WO2013/152051)
[30] US (61/619,324) 2012-04-02

---

[11] **2,885,395**
[13] C
[51] **Int.Cl. B61L 25/00 (2006.01) B61L 99/00 (2006.01)**
[25] FR
[54] **REBOOTING PROCESS OF EQUIPMENT USING A SECONDARY DETECTION SYSTEM**
[54] **PROCEDE DE REINITIALISATION D'UN EQUIPEMENT A LA VOIE D'UN SYSTEME SECONDAIRE DE DETECTION**
[72] BRESSON, MATHIEU, FR
[72] PERROT, JOCELYN, FR
[72] VENENCIE, JEAN-LOUIS, FR
[73] ALSTOM TRANSPORT TECHNOLOGIES, FR
[86] (2885395)
[87] (2885395)
[22] 2015-03-13
[30] FR (14 52293) 2014-03-19

[11] **2,886,172**
[13] C
[51] **Int.Cl. B05B 1/00 (2006.01) B05B 1/30 (2006.01)**
[25] FR
[54] **COMPRESSED AIR GUN**
[54] **SOUFFLETTE A AIR COMPRIME**
[72] TIBERGHIEN, ALAIN-CHRISTOPHE, FR
[72] CHAMBAUD, ANTOINE, FR
[73] STAUBLI FAVERGES, FR
[86] (2886172)
[87] (2886172)
[22] 2015-03-24
[30] FR (14 52 825) 2014-03-31

---

[11] **2,886,858**
[13] C
[51] **Int.Cl. A61B 5/259 (2021.01) A61B 5/282 (2021.01) A61B 5/318 (2021.01) A61B 5/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/0295 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **WEARABLE CARDIAC MONITOR**
[54] **MONITEUR CARDIAQUE VESTIMENTAIRE**
[72] GOLDA, GEORGE STEFAN, US
[72] MOYER, DANIEL VAN ZANDT, US
[72] MARRIOTT, MARK P., US
[72] ELETR, SAM, US
[72] O'NEIL, BRUCE, US
[73] RDS, FR
[85] 2015-04-01
[86] 2013-10-07 (PCT/US2013/063748)
[87] (WO2014/055994)
[30] US (61/710,768) 2012-10-07
[30] US (13/837,748) 2013-03-15

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[11] **2,886,944**
[13] C
[51] **Int.Cl. H04L 12/403 (2006.01) H04W 72/04 (2009.01) H04W 72/12 (2009.01) H04W 84/18 (2009.01)**
[25] EN
[54] **METHODS AND APPARATUS TO IMPLEMENT A REMOTE TERMINAL UNIT NETWORK**
[54] **PROCEDES ET APPAREIL POUR METTRE EN □UVRE UN RESEAU D'UNITES TERMINALES DISTANTES**
[72] VANDERAH, RICHARD J., US
[72] SMID, DAVID LEE, US
[72] CONDIT, RICKIE LEE, US
[73] BRISTOL, INC., D/B/A REMOTE AUTOMATION SOLUTIONS, US
[85] 2015-03-30
[86] 2013-09-27 (PCT/US2013/062130)
[87] (WO2014/052728)
[30] US (13/631,357) 2012-09-28

---

[11] **2,886,959**
[13] C
[51] **Int.Cl. G10G 1/02 (2006.01) G09B 15/02 (2006.01) G10C 3/12 (2006.01)**
[25] EN
[54] **MUSIC NOTATION SYSTEM**
[54] **SYSTEME DE NOTATION MUSICALE**
[72] BIDEAU OLIVERA, CHRISTIAN A., CA
[73] BIDEAU OLIVERA, CHRISTIAN A., CA
[86] (2886959)
[87] (2886959)
[22] 2015-04-01

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[11] **2,887,254**
[13] C
[51] **Int.Cl. F24F 11/63 (2018.01) F24D 19/10 (2006.01) G05D 23/19 (2006.01)**
[25] EN
[54] **THERMOSTAT TEMPERATURE COMPENSATION MODELING**
[54] **MODELISATION DE COMPENSATION DE TEMPERATURE DE THERMOSTAT**
[72] SMITH, CHRISTOPHER BLAKE, US
[72] KLEIN, KIT W., US
[72] WILTZIUS, JAMES J., US
[72] LAND, JOSEPH GEORGE, III, US
[73] TRANE INTERNATIONAL INC., US
[86] (2887254)
[87] (2887254)
[22] 2015-04-02
[30] US (61/974386) 2014-04-02
[30] US (14/263691) 2014-04-28

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[11] **2,888,627**
[13] C
[51] **Int.Cl. G07F 11/44 (2006.01) B65B 37/16 (2006.01) G07F 11/62 (2006.01) G07F 17/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR DISPENSING SOLID ARTICLES**
[54] **PROCEDES ET APPAREIL DE DISTRIBUTION D'ARTICLES SOLIDES**
[72] DANIELS, MATTHEW P., US
[72] BOUCHELLE, STEVE, US
[72] PERISICH, MARK I., US
[73] PARATA SYSTEMS, LLC, US
[85] 2015-04-16
[86] 2013-11-15 (PCT/US2013/070347)
[87] (WO2014/081635)
[30] US (61/728,352) 2012-11-20
[30] US (61/774,858) 2013-03-08
[30] US (61/774,889) 2013-03-08
[30] US (14/080,468) 2013-11-14

[11] **2,889,218**
[13] C
[51] **Int.Cl. A47B 57/58 (2006.01) A47B 65/00 (2006.01) A47B 96/02 (2006.01) A47F 5/00 (2006.01) B65G 1/14 (2006.01)**
[25] EN
[54] **ADJUSTABLE SLIDING PIN ASSEMBLY FOR SHELVING DIVIDERS**
[54] **MECANISME DE TIGE COULISSANTE AJUSTABLE DESTINE A DES SEPARATEURS DE TABLETTE**
[72] VOGLER, MICHAEL, CA
[72] POLLOCK, JOEL, CA
[73] MARKETING IMPACT LIMITED, CA
[86] (2889218)
[87] (2889218)
[22] 2015-04-23
[30] US (14/687,433) 2015-04-15

[11] **2,889,282**
[13] C
[51] **Int.Cl. F01P 1/02 (2006.01) F01P 1/08 (2006.01) F02F 1/04 (2006.01) F02F 1/28 (2006.01)**
[25] EN
[54] **AN AIR FLOW GUIDE FOR AN INTERNAL COMBUSTION ENGINE**
[54] **UN GUIDE DE CIRCULATION D'AIR POUR UN MOTEUR A COMBUSTION INTERNE**
[72] SOTIRIADES, ALEKO D., US
[72] DOPKE, RUSSELL J., US
[73] CHAMPION POWER EQUIPMENT, US
[86] (2889282)
[87] (2889282)
[22] 2015-04-23
[30] US (14/270,404) 2014-05-06

[11] **2,889,596**
[13] C
[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **OLIGONUCLEOTIDE CONJUGATES**
[54] **CONJUGUES D'OLIGONUCLEOTIDES**
[72] ALBAEK, NANNA, DK
[72] HANSEN, HENRIK, DK
[72] KAMMLER, SUSANNE, DK
[72] RAVN, JACOB, DK
[72] ORUM, HENRIK, DK
[73] ROCHE INNOVATION CENTER COPENHAGEN A/S, DK
[85] 2015-04-24
[86] 2013-11-14 (PCT/EP2013/073858)
[87] (WO2014/076195)
[30] EP (12192773.5) 2012-11-15
[30] EP (13153296.2) 2013-01-30
[30] EP (13157237.2) 2013-02-28
[30] EP (13174092.0) 2013-06-27

[11] **2,890,459**
[13] C
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/72 (2006.01) A61K 31/198 (2006.01) A61P 11/06 (2006.01)**
[25] EN
[54] **ULTRA LOW DENSITY PULMONARY POWDERS**
[54] **POUDRES PULMONAIRES DE DENSITE ULTRA BASSE**
[72] LIPP, MICHAEL M., US
[72] BATYCKY, RICHARD P., US
[73] CIVITAS THERAPEUTICS, INC., US
[85] 2015-05-06
[86] 2013-11-08 (PCT/US2013/069107)
[87] (WO2014/074797)
[30] US (61/724,781) 2012-11-09
[30] US (13/679,245) 2012-11-16
[30] US (13/945,160) 2013-07-18
[30] US (61/884,436) 2013-09-30
[30] US (61/884,319) 2013-09-30
[30] US (61/884,315) 2013-09-30

[11] **2,892,155**
[13] C
[51] **Int.Cl. B60N 2/26 (2006.01) B60N 2/28 (2006.01)**
[25] EN
[54] **CHILD SAFETY SEAT**
[54] **SIEGE DE SECURITE POUR ENFANT**
[72] ZHOU, YUNZHEN LARRY, CA
[72] ROTIROTI, GIUSEPPE, CA
[73] CLEK INC., CA
[86] (2892155)
[87] (2892155)
[22] 2015-05-21
[30] US (62/001,408) 2014-05-21

[11] **2,893,062**
[13] C
[51] **Int.Cl. F21V 29/74 (2015.01) F21V 29/15 (2015.01) F21V 29/70 (2015.01) F21V 29/83 (2015.01) F21K 9/00 (2016.01) F21V 23/00 (2015.01)**
[25] EN
[54] **LUMINAIRE**
[54] **LUMINAIRE**
[72] DUCKWORTH, JASON E., US
[73] HUBBELL LIGHTING, INC., US
[86] (2893062)
[87] (2893062)
[22] 2015-05-29
[30] US (62/096,132) 2014-12-23

[11] **2,893,467**
[13] C
[51] **Int.Cl. E21B 47/01 (2012.01) E21B 47/017 (2012.01) E21B 19/24 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR DOWNHOLE PROBES**
[54] **PROCEDES ET APPAREIL POUR SONDES DE FORAGE**
[72] LIU, JILI (JERRY), CA
[72] DERKACZ, PATRICK R., CA
[72] LOGAN, AARON W., CA
[72] LOGAN, JUSTIN C., CA
[72] SWITZER, DAVID A., CA
[73] EVOLUTION ENGINEERING INC., CA
[85] 2015-06-01
[86] 2012-12-07 (PCT/CA2012/050885)
[87] (WO2014/085898)

[11] **2,894,751**
[13] C
[51] **Int.Cl. G06F 3/16 (2006.01) G06F 3/0483 (2013.01)**
[25] EN
[54] **MANAGING AUDIO AT THE TAB LEVEL FOR USER NOTIFICATION AND CONTROL**
[54] **GESTION AUDIO AU NIVEAU D'ONGLETS POUR UNE COMMANDE ET NOTIFICATION UTILISATEUR**
[72] XIAN, SHIJING, US
[72] LACHAPELLE, SERGE, US
[72] WIITALA, YURI JAMES, US
[72] LIN, JIAO YANG, US
[72] LAM, HIN CHUNG, US
[73] GOOGLE LLC, US
[85] 2015-06-10
[86] 2014-03-10 (PCT/US2014/022594)
[87] (WO2014/150212)
[30] US (13/843,721) 2013-03-15

[11] **2,896,149**
[13] C
[51] **Int.Cl. B01J 37/00 (2006.01)**
[25] FR
[54] **METHOD FOR LIMITING SELF-HEATING OF ACTIVE CATALYSTS**
[54] **PROCEDE POUR LIMITER L'AUTO-ECHAUFFEMENT DE CATALYSEURS ACTIVES**
[72] DUFRESNE, PIERRE, FR
[72] GALLIOU, PAULINE, FR
[72] BAFFERT, MATHIEU, FR
[72] KIRUMAKKI, SHARATH, US
[73] EURECAT S.A, FR
[86] (2896149)
[87] (2896149)
[22] 2015-06-30
[30] FR (14/56359) 2014-07-03

[11] **2,896,337**
[13] C
[51] **Int.Cl. C07K 5/11 (2006.01) A61P 35/00 (2006.01) C07K 5/10 (2006.01) C07K 5/103 (2006.01) C12Q 1/02 (2006.01) C12Q 1/18 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **MINIMALLY TOXIC PRODRUGS**
[54] **PROMEDICAMENTS MINIMALEMENT TOXIQUES**
[72] TROUET, ANDRE, BE
[73] COBIORES NV, BE
[85] 2015-06-25
[86] 2013-12-27 (PCT/EP2013/078034)
[87] (WO2014/102312)
[30] US (61/746,621) 2012-12-28

[11] **2,896,858**
[13] C
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER USING BACTERIA**
[54] **COMPOSITIONS ET METHODES PERMETTANT DE TRAITER LE CANCER AU MOYEN DE BACTERIES**
[72] NEWMAN, MICHAEL J., US
[73] DECOY BIOSYSTEMS, INC., US
[85] 2015-06-29
[86] 2013-12-23 (PCT/US2013/077441)
[87] (WO2014/107365)
[30] US (61/748,369) 2013-01-02

[11] **2,897,833**
[13] C
[51] **Int.Cl. A61K 31/7068 (2006.01) A61K 31/164 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **A PHARMACEUTICAL COMPOSITION COMPRISING PALMITOYLETHANOLAMIDE AND CYTIDINE-DISPHOSPHOCHOLINE**
[54] **UNE COMPOSITION PHARMACEUTIQUE COMPORTANT DU PALMITOYLETHANOLAMIDE ET DE LA CYTIDINE-DISPHOSPHOCHOLINE**
[72] DELLA VALLE, FRANCESCO, IT
[72] DELLA VALLE, MARIA FEDERICA, IT
[72] MARCOLONGO, GABRIELE, IT
[72] CUZZOCREA, SALVATORE, IT
[73] EPITECH GROUP S.R.L., IT
[86] (2897833)
[87] (2897833)
[22] 2015-07-21
[30] IT (MI2014A001495) 2014-08-13

[11] **2,897,890**
[13] C
[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING AN OUTER SURFACE OF A PLANAR WAVEGUIDE TO BE CAPABLE OF BINDING TARGET SAMPLES ALONG A PLURALITY OF PREDETERMINED LINES AND A PLANAR WAVEGUIDE**
[54] **PROCEDE DE PREPARATION D'UNE SURFACE EXTERIEURE DE GUIDE D'ONDES PLAN POUR ETRE APTE A LIER DES ECHANTILLONS CIBLES LE LONG D'UNE PLURALITE DE LIGNES PREDETERMINEES ET GUIDE D'OND ES PLAN**
[72] FATTINGER, CHRISTOF, CH
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2015-07-10
[86] 2014-01-17 (PCT/EP2014/050902)
[87] (WO2014/111521)
[30] EP (13151646.0) 2013-01-17

[11] **2,898,315**
[13] C
[51] **Int.Cl. C12N 13/00 (2006.01) C12M 1/107 (2006.01) C12M 1/42 (2006.01) C12N 1/00 (2006.01) C12N 1/12 (2006.01) C12P 1/00 (2006.01)**
[25] EN
[54] **PROCESS FOR MANAGING PHOTOBIOREACTOR EXHAUST**
[54] **PROCEDE DE GESTION D'ECHAPPEMENT DE PHOTOBIOREACTEUR**
[72] GONZALEZ, JAIME A., CA
[72] MARTIN, STEVEN C., CA
[72] KOLESNIK, MAX, CA
[73] POND TECHNOLOGIES INC., CA
[85] 2015-07-16
[86] 2014-01-17 (PCT/CA2014/000034)
[87] (WO2014/110668)
[30] US (61/753,711) 2013-01-17
[30] US (61/759,656) 2013-02-01

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[11] **2,898,377**
[13] C
[51] **Int.Cl. G01D 18/00 (2006.01) G01D 3/06 (2006.01) H03H 7/00 (2006.01)**
[25] EN
[54] **SENSOR INTERFACE CIRCUITS**
[54] **CIRCUITS D'INTERFACE DE DETECTEUR**
[72] DURKEE, SCOTT R., US
[72] ABBOTT, MICHAEL, US
[72] POISSON, RICHARD A., US
[72] HESS, GARY L., US
[73] SIMMONDS PRECISION PRODUCTS, INC., US
[73] HAMILTON SUNDSTRAND CORPORATION, US
[86] (2898377)
[87] (2898377)
[22] 2015-07-23
[30] US (14/457,954) 2014-08-12

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[11] **2,899,361**
[13] C
[51] **Int.Cl. A01N 25/10 (2006.01) A01K 51/00 (2006.01) A01N 25/34 (2006.01) A01P 7/02 (2006.01) A01N 37/14 (2006.01) A01N 37/52 (2006.01) A01N 53/00 (2006.01) A01N 57/16 (2006.01)**
[25] EN
[54] **MOULDED ARTICLE FOR COMBATING VARROA MITES**
[54] **CORPS MOULES POUR LUTTER CONTRE LES ACARIENS VARROA**
[72] KRIEGER, KLEMENS, DE
[72] LOHR, REINHOLD, DE
[72] JIRITSCHKA, WOLFGANG, DE
[72] KOENIGER, NIKOLAUS, DE
[72] KOENIGER, GUDRUN, DE
[73] BAYER ANIMAL HEALTH GMBH, DE
[85] 2015-05-08
[86] 2013-11-11 (PCT/EP2013/073518)
[87] (WO2014/076036)
[30] EP (12192358.5) 2012-11-13
[30] EP (13176238.7) 2013-07-12

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[11] **2,899,531**
[13] C
[51] **Int.Cl. B66C 23/70 (2006.01) F16C 29/02 (2006.01)**
[25] EN
[54] **TELESCOPIC HANDLING DEVICE COMPRISING AT LEAST TWO ELEMENTS MOUNTED SO AS TO SLIDE RELATIVE TO ONE ANOTHER**
[54] **DISPOSITIF DE MANIPULATION TELESCOPIQUE COMPORTANT AU MOINS DEUX ELEMENTS INSTALLES DE SORTE A COULISSER L'UN PAR RAPPORT A L'AUTRE**
[72] ROBERT, JEAN-MICHEL, FR
[73] MANITOU BF, FR
[86] (2899531)
[87] (2899531)
[22] 2015-08-04
[30] FR (14057675) 2014-08-07

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[11] **2,900,334**
[13] C
[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/072 (2006.01)**
[25] EN
[54] **STAPLE CARTRIDGE COMPRISING A COMPRESSIBLE PORTION**
[54] **CARTOUCHE D'AGRAFES COMPRENANT UNE PARTIE COMPRESSIBLE**
[72] SCHMID, KATHERINE J., US
[73] ETHICON ENDO-SURGERY, INC., US
[85] 2015-08-05
[86] 2014-02-04 (PCT/US2014/014629)
[87] (WO2014/123876)
[30] US (13/763,037) 2013-02-08

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[11] **2,902,223**
[13] C
[51] **Int.Cl. C12N 1/16 (2006.01) C12N 1/19 (2006.01) C12P 19/02 (2006.01) C12P 19/14 (2006.01) C12P 7/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR YEAST PROPAGATION**
[54] **SYSTEMES ET PROCEDES POUR LA PROPAGATION DE LEVURE**
[72] NARENDRANATH, NEELAKANTAM V., US
[72] LEWIS, STEPHEN M., US
[73] POET RESEARCH, INC., US
[85] 2015-08-21
[86] 2014-03-13 (PCT/US2014/025990)
[87] (WO2014/160184)
[30] US (13/804,364) 2013-03-14

[11] **2,903,746**
[13] C
[51] **Int.Cl. C07C 317/44 (2006.01) A61K 31/255 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **POTENT AND SELECTIVE INHIBITORS OF MONOAMINE TRANSPORTERS; METHOD OF MAKING; AND USE THEREOF**
[54] **INHIBITEURS PUISSANTS ET SELECTIFS DE TRANSPORTEURS DE MONOAMINE; PROCEDE DE FABRICATION; ET LEUR UTILISATION**
[72] NEWMAN, AMY HAUCK, US
[72] OKUNOLA-BAKARE, OLUYOMI M., US
[72] CAO, JIANJING, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2015-09-02
[86] 2014-03-07 (PCT/US2014/021514)
[87] (WO2014/138518)
[30] US (61/774,878) 2013-03-08

[11] **2,903,838**
[13] C
[51] **Int.Cl. E03F 5/16 (2006.01) B01D 17/025 (2006.01) B01D 21/04 (2006.01) C02F 1/00 (2006.01) C02F 1/40 (2006.01) E03C 1/12 (2006.01) E03C 1/26 (2006.01)**
[25] EN
[54] **WASTE WATER SEPARATION VESSEL**
[54] **RECIPIENT DE SEPARATION DES EAUX USEES**
[72] MANTYLA, JAMES, CA
[72] BIRD, ANDREW NEIL, CA
[72] POUPORE, TIMOTHY JAMES, CA
[72] ARMSTRONG, STEVE, CA
[73] CANPLAS INDUSTRIES LTD., CA
[86] (2903838)
[87] (2903838)
[22] 2015-09-10

[11] **2,903,845**
[13] C
[51] **Int.Cl. A61K 36/06 (2006.01) A61K 33/04 (2006.01) A61P 9/00 (2006.01) A61P 21/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING SELENIUM AND USE OF SAME FOR THE TREATMENT AND PREVENTION OF DISEASE OR CONDITIONS ASSOCIATED WITH MITOCHONDRIAL DYSFUNCTION**
[54] **COMPOSITIONS COMPRENANT DU SELENIUM ET UTILISATION DE CELLES-CI POUR LE TRAITEMENT ET LA PREVENTION DE MALADIE OU D'ETATS ASSOCIES AVEC UN DYSFONCTIONNEMENT MITOCHONDRIAL**
[72] POWER, RONAN, US
[72] EGAN, CASEY, US
[72] YIANNIKOURIS, ALEXANDER, US
[72] LAN, ZI-JIAN, US
[72] XIAO, RIJIN, US
[72] JACKSON, LEWIS COLLEN, US
[72] KWIATKOWSKI, STEFAN, US
[73] ALLTECH, INC., US
[85] 2015-09-02
[86] 2014-03-14 (PCT/US2014/029328)
[87] (WO2014/144776)
[30] US (61/788,133) 2013-03-15

[11] **2,903,948**
[13] C
[51] **Int.Cl. B64D 11/06 (2006.01) B60N 2/02 (2006.01) B60N 2/20 (2006.01) B60N 2/22 (2006.01) B60N 2/34 (2006.01)**
[25] FR
[54] **MULTI-POSITION DRIVER SEAT FOR OPERATOR**
[54] **SIEGE MULTI-POSITIONS POUR OPERATEUR DE CONDUITE**
[72] ATGER, BASTIEN, FR
[72] CECINAS, LAURENT, FR
[73] AIRBUS ATLANTIC SAS, FR
[86] (2903948)
[87] (2903948)
[22] 2015-09-16
[30] FR (1458784) 2014-09-17

[11] **2,904,083**
[13] C
[51] **Int.Cl. E01C 5/06 (2006.01)**
[25] EN
[54] **PERMEABLE PAVING SYSTEM**
[54] **SYSTEME DE PAVAGE PERMEABLE**
[72] WHITE, CHARLES R., US
[73] WHITE, CHARLES R., US
[85] 2015-09-03
[86] 2014-03-13 (PCT/US2014/025798)
[87] (WO2014/160094)
[30] US (61/783,162) 2013-03-14
[30] US (14/208,287) 2014-03-13

[11] **2,904,160**
[13] C
[51] **Int.Cl. C07C 233/64 (2006.01) C12N 5/077 (2010.01) A61K 31/18 (2006.01) A61K 31/192 (2006.01) A61K 31/27 (2006.01) A61K 31/277 (2006.01) A61K 31/357 (2006.01) A61K 31/4035 (2006.01) A61K 31/415 (2006.01) A61K 31/4164 (2006.01) A61K 31/42 (2006.01) A61K 31/426 (2006.01) A61K 31/44 (2006.01) A61K 31/635 (2006.01) A61P 19/02 (2006.01) C07C 255/49 (2006.01) C07C 275/42 (2006.01) C07C 311/01 (2006.01) C07D 209/46 (2006.01) C07D 295/26 (2006.01) C07D 307/88 (2006.01)**
[25] EN
[54] **PHENYL SULFONAMIDE DERIVATIVES AND USE THEREOF IN THE TREATMENT OF ARTHRITIS**
[54] **DERIVES DE SULFONAMIDE PHENYLE ET LEUR UTILISATION DANS LE TRAITEMENT DEL'ARTHRITE**
[72] SCHULTZ, PETER G., US
[72] CHATTERJEE, ARNAB K., US
[72] ZHU, SHOUTIAN, US
[72] PAYETTE, JOSHUA, US
[72] YOON, HONGCHUL, US
[72] YANG, BAIYUAN, US
[73] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2015-09-03
[86] 2014-03-13 (PCT/US2014/026722)
[87] (WO2014/151953)
[30] US (61/794,094) 2013-03-15

[11] **2,904,178**
[13] C
[51] **Int.Cl. C09C 1/50 (2006.01) B01J 19/26 (2006.01) C08K 3/04 (2006.01)**
[25] EN
[54] **CARBON BLACK COMPOSITIONS**
[54] **COMPOSITIONS DE NOIR DE CARBONE**
[72] SCHWAIGER, BERNHARD, DE
[72] NIEDERMEIER, WERNER, DE
[72] PELSTER, THOMAS, DE
[72] SCHINKEL, ARNDT-PETER, DE
[72] TEIKE, SILKE, DE
[72] VOGLER, CONNY, DE
[73] ORION ENGINEERED CARBONS GMBH, DE
[85] 2015-09-04
[86] 2014-03-13 (PCT/EP2014/055042)
[87] (WO2014/140228)
[30] EP (13159552.2) 2013-03-15

[11] **2,904,870**
[13] C
[51] **Int.Cl. C07K 7/06 (2006.01) A61K 31/496 (2006.01) A61K 38/08 (2019.01) A61K 38/10 (2006.01) A61K 38/16 (2006.01) A61P 11/00 (2006.01) A61P 43/00 (2006.01) C07K 7/08 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **INHIBITION OF PULMONARY FIBROSIS WITH NUTLIN-3A AND PEPTIDES**
[54] **INHIBITION DE LA FIBROSE PULMONAIRE PAR LA NUTLIN-3A ET DES PEPTIDES**
[72] SHETTY, SREERAMA, US
[72] IDELL, STEVEN, US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2015-09-08
[86] 2014-03-17 (PCT/US2014/030147)
[87] (WO2014/145389)
[30] US (61/800,117) 2013-03-15

[11] **2,905,650**
[13] C
[51] **Int.Cl. A61K 31/437 (2006.01) A61K 35/28 (2015.01)**
[25] EN
[54] **COMPOSTIONS AND METHODS FOR ENHANCING THE THERAPEUTIC POTENTIAL OF STEM CELLS**
[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER LE POTENTIEL THERAPEUTIQUE DE CELLULES SOUCHES**
[72] VAN DEN BOS, CHRISTIAN, DE
[72] REINISCH, BARBARA, DE
[72] SCHENK, JUDITH, DE
[72] ROSENBAUM, CLAUDIA, DE
[73] VAN DEN BOS, CHRISTIAN, DE
[85] 2015-09-11
[86] 2014-03-13 (PCT/IB2014/001248)
[87] (WO2014/140930)
[30] EP (13159548.0) 2013-03-15

[11] **2,906,079**
[13] C
[51] **Int.Cl. A61K 39/39 (2006.01) A61K 35/74 (2015.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/245 (2006.01) C07K 14/47 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 1/21 (2006.01) C12N 15/12 (2006.01) C12N 15/31 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF ENHANCING IMMUNE RESPONSES TO ENTERIC PATHOGENS**
[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER LES REACTIONS IMMUNITAIRES AUX PATHOGENES ENTERIQUES**
[72] BIELKE, LISA, US
[72] LAYTON, SHERRYLL, US
[72] HARGIS, BILLY, US
[72] PUMFORD, NEIL R., US
[72] FAULKNER, OLIVIA B., US
[72] BERGHMAN, LUC, US
[72] ABI-GHANEM, DAAD, US
[73] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, US
[73] THE TEXAS A&M UNIVERSITY SYSTEM, US
[85] 2015-09-11
[86] 2014-03-14 (PCT/US2014/027416)
[87] (WO2014/152508)
[30] US (61/790,301) 2013-03-15

[11] **2,906,127**
[13] C
[51] **Int.Cl. G08B 21/02 (2006.01)**
[25] EN
[54] **SECURITY SYSTEM INSTALLATION**
[54] **INSTALLATION DE SYSTEME DE SECURITE**
[72] SHAPIRO, STEVEN, US
[72] NORTH, RAYMOND, US
[72] RADER, TIMOTHY ALBERT, US
[72] PERDOMO, JORGE, US
[72] ROUSE, ANNE-MARIE, US
[72] BLACK, JAMES TIMOTHY, US
[73] THE ADT SECURITY CORPORATION, US
[85] 2015-09-11
[86] 2014-03-14 (PCT/US2014/027393)
[87] (WO2014/152486)
[30] US (61/793,237) 2013-03-15

[11] **2,906,162**
[13] C
[51] **Int.Cl. A61L 27/04 (2006.01) A61B 17/064 (2006.01) A61B 17/86 (2006.01) A61F 2/82 (2013.01) A61L 27/58 (2006.01)**
[25] EN
[54] **IMPLANTABLE MEDICAL DEVICES COMPRISING BIO-DEGRADABLE ALLOYS WITH ENHANCED DEGRADATION RATES**
[54] **DISPOSITIFS MEDICAUX IMPLANTABLES COMPRENANT DES ALLIAGES BIODEGRADABLES AVEC DES VITESSES DE DEGRADATION AUGMENTES**
[72] JABLONSKI, PAUL, US
[72] RADISCH, HERBERT R., US
[73] BIO DG, INC., US
[73] U.S. DEPARTMENT OF ENERGY, US
[85] 2015-09-11
[86] 2014-03-14 (PCT/US2014/029290)
[87] (WO2014/153144)
[30] US (61/785,531) 2013-03-14

[11] **2,907,165**
[13] C
[51] **Int.Cl. A61B 6/00 (2006.01) H01S 3/00 (2006.01)**
[25] EN
[54] **TUNABLE LASER ARRAY SYSTEM**
[54] **SYSTEME RESEAU LASER ACCORDABLE**
[72] JAYARAMAN, VIJAYSEKHAR, US
[72] BURGNER, CHRISTOPHER, US
[72] JOHN, DEMIS, US
[72] POTSAID, BENJAMIN MICHAEL, US
[72] CABLE, ALEX EZRA, US
[73] PRAEVIUM RESEARCH, INC., US
[73] THORLABS, INC., US
[85] 2015-09-15
[86] 2014-03-14 (PCT/US2014/029632)
[87] (WO2014/144998)
[30] US (61/793,604) 2013-03-15

[11] **2,907,842**
[13] C
[51] **Int.Cl. C07D 281/10 (2006.01) A61K 31/554 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **CRYSTAL MODIFICATIONS OF ELOBIXIBAT**
[54] **MODIFICATIONS CRISTALLINES D'ELOBIXIBAT**
[72] BOHLIN, MARTIN, SE
[72] TJERNELD, ERICA, SE
[72] VESTERMARK, ANDREAS, SE
[72] YMEN, INGVAR, SE
[73] ELOBIX AB, SE
[85] 2015-09-22
[86] 2014-04-25 (PCT/EP2014/058432)
[87] (WO2014/174066)
[30] SE (1350517-7) 2013-04-26

[11] **2,908,044**
[13] C
[51] **Int.Cl. H01M 10/0525 (2010.01) H01M 10/0567 (2010.01) H01M 10/0568 (2010.01) H01M 10/0569 (2010.01) H01M 4/485 (2010.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 4/583 (2010.01)**
[25] EN
[54] **NONAQUEOUS ELECTROLYTE COMPOSITIONS**
[54] **COMPOSITIONS D'ELECTROLYTE NON AQUEUSES**
[72] BURKHARDT, STEPHEN E., US
[72] CHEN, XUDONG, US
[72] DUBOIS, CHARLES J., US
[72] HOLSTEIN, WILLIAM L., US
[72] KOURTAKIS, KOSTANTINOS, US
[72] ROELOFS, MARK GERRIT, US
[73] SOLVAY SA, BE
[85] 2015-09-24
[86] 2014-04-04 (PCT/US2014/032961)
[87] (WO2014/165748)
[30] US (61/808,335) 2013-04-04
[30] US (61/885,585) 2013-10-02
[30] US (61/919,160) 2013-12-20
[30] US (61/952,967) 2014-03-14

[11] **2,908,111**
[13] C
[51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **USING ELECTRICAL CURRENT TO DESTROY HARMFUL CELLS WITHIN THE BODY**
[54] **UTILISATION DE COURANT ELECTRIQUE POUR DETRUIRE DES CELLULES MALADES**
[72] NORRIS, JEFFREY B., US
[73] BNR TECHNOLOGY DEVELOPMENT, LLC, US
[85] 2015-09-25
[86] 2014-03-27 (PCT/US2014/031988)
[87] (WO2014/160847)
[30] US (61/805,583) 2013-03-27

[11] **2,908,674**
[13] C
[51] **Int.Cl. A61B 46/10 (2016.01) A61B 34/30 (2016.01)**
[25] EN
[54] **SURGICAL SYSTEM WITH STERILE WRAPPINGS**
[54] **SYSTEME CHIRURGICAL AVEC ENVELOPPES STERILES**
[72] GIORGI, FABIO, IT
[73] ASENSUS SURGICAL ITALIA S.R.L., IT
[85] 2015-10-02
[86] 2014-03-10 (PCT/IB2014/059577)
[87] (WO2014/162217)
[30] IT (MI2013A000516) 2013-04-05

[11] **2,908,733**
[13] C
[51] **Int.Cl. C12P 19/00 (2006.01) C12N 9/26 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARATION OF SUGARS AND SYRUPS**
[54] **PROCEDE DE PREPARATION DE SUCRES ET DE SIROPS**
[72] ELDER, MICHAEL, US
[72] DEINHAMMER, RANDALL, US
[72] CUI, XIAOYUAN, US
[73] NOVOZYMES A/S, DK
[85] 2015-10-02
[86] 2014-04-10 (PCT/US2014/033660)
[87] (WO2014/169129)
[30] US (61/810,399) 2013-04-10

[11] **2,908,787**
[13] C
[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **IRRADIATION DEVICE**
[54] **DISPOSITIF D'IRRADIATION**
[72] GROSETH, MORTEN, NO
[73] PHOTOCURE ASA, NO
[85] 2015-10-05
[86] 2014-04-09 (PCT/EP2014/057148)
[87] (WO2014/166993)
[30] GB (1306369.8) 2013-04-09

[11] **2,908,833**
[13] C
[51] **Int.Cl. B66C 23/80 (2006.01) B66F 9/075 (2006.01)**
[25] EN
[54] **A LIFT TRUCK EQUIPPED WITH STABILIZER MEANS**
[54] **CHARIOT ELEVATEUR EQUIPE DE MOYENS DE STABILISATION**
[72] MAGNI, RICCARDO, IT
[73] C.M.C. S.R.L. - SOCIETA UNIPERSONALE, IT
[85] 2015-10-05
[86] 2014-04-01 (PCT/IB2014/000457)
[87] (WO2014/162191)
[30] IT (MO2013A000087) 2013-04-05

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[11] **2,911,826**
[13] C
[51] **Int.Cl. A61K 35/74 (2015.01) A61K 35/741 (2015.01) A61K 31/59 (2006.01) A61K 31/715 (2006.01) A61K 35/24 (2015.01) A61P 1/00 (2006.01) A61P 35/00 (2006.01) C07H 13/00 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **PROBIOTIC PREVENTION AND TREATMENT OF COLON CANCER**
[54] **PREVENTION ET TRAITEMENT PROBIOTIQUES DU CANCER DU COLON**
[72] MAZMANIAN, SARKIS K., US
[72] LEE, YUNKYUNG, US
[73] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
[85] 2015-11-06
[86] 2014-05-08 (PCT/US2014/037392)
[87] (WO2014/182966)
[30] US (61/822,126) 2013-05-10

---

[11] **2,912,476**
[13] C
[51] **Int.Cl. A61B 5/35 (2021.01) A61B 5/341 (2021.01) A61B 5/00 (2006.01)**
[25] EN
[54] **ELECTROCARDIOGRAM ANALYSIS**
[54] **ANALYSE D'ELECTROCARDIOGRAMME**
[72] GHEERAERT, PETER, BE
[72] EL HADDAD, MILAD, BE
[73] UNIVERSITEIT GENT, BE
[85] 2015-11-13
[86] 2014-05-26 (PCT/EP2014/060766)
[87] (WO2014/187998)
[30] EP (13169090.1) 2013-05-24

---

[11] **2,915,211**
[13] C
[51] **Int.Cl. A61K 39/02 (2006.01)**
[25] EN
[54] **NOVEL PISCIRICKETTSIA SALMONIS ISOLATE**
[54] **NOUVEL ISOLAT DE PISCIRICKETTSIA SALMONIS**
[72] DUESUND, HENRIK, NO
[72] MENDOZAS, JULIO, CL
[73] CERMAQ GROUP AS, NO
[85] 2015-12-11
[86] 2014-06-13 (PCT/EP2014/062409)
[87] (WO2014/198913)
[30] US (61/834,885) 2013-06-14

---

[11] **2,916,033**
[13] C
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/24 (2006.01) A61K 9/28 (2006.01)**
[25] EN
[54] **STABILIZED PHARMACEUTICAL DOSAGE FORMS COMPRISING ATRASENTAN**
[54] **FORMES PHARMACEUTIQUES STABILISEES COMPRENANT DE L'ATRASENTAN**
[72] HUANG, YE, US
[72] KOSKI, ANDREW K., US
[72] PETERSON, KATHERINE E., US
[73] ABBVIE INC., US
[85] 2015-12-17
[86] 2014-07-07 (PCT/US2014/045581)
[87] (WO2015/006219)
[30] US (61/843,799) 2013-07-08

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[11] **2,916,038**
[13] C
[51] **Int.Cl. H01H 9/02 (2006.01) B82Y 30/00 (2011.01) D01D 5/00 (2006.01) D01D 5/18 (2006.01) H01H 9/52 (2006.01)**
[25] EN
[54] **HEAT SINK COMPOSITION FOR ELECTRICALLY RESISTIVE AND THERMALLY CONDUCTIVE CIRCUIT BREAKER AND LOAD CENTER AND METHOD OF PREPARATION THEREFOR**
[54] **COMPOSITION DE DISSIPATION THERMIQUE POUR DISJONCTEUR ELECTRIQUEMENT RESISTIF ET THERMIQUEMENT CONDUCTEUR ET CENTRE DE CHARGE ET PROCEDE DE PREPARATION DE CELLES-CI**
[72] MALONEY, JAMES G., US
[72] LIAS, EDWARD E., US
[72] GIBSON, JEFFREY S., US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2015-12-17
[86] 2014-07-22 (PCT/US2014/047519)
[87] (WO2015/030952)
[30] US (14/012,398) 2013-08-28

---

[11] **2,916,654**
[13] C
[51] **Int.Cl. A61B 5/1495 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **ANALYTE METER WITH OPERATIONAL RANGE CONFIGURATION TECHNIQUE**
[54] **INSTRUMENT DE MESURE D'ANALYTE AVEC TECHNIQUE DE CONFIGURATION DE PLAGE OPERATIONNELLE**
[72] CHOVANDA, SWETA, US
[72] BERVEN, SHAWN, US
[73] LIFESCAN, INC., US
[85] 2015-12-22
[86] 2014-06-17 (PCT/US2014/042640)
[87] (WO2014/209667)
[30] US (13/929,761) 2013-06-27

[11] **2,917,060**
[13] C
[51] **Int.Cl. B60K 28/06 (2006.01) G08B 21/06 (2006.01)**
[25] EN
[54] **OPERATOR DROWSINESS DETECTION IN SURFACE MINES**
[54] **DETECTION DE LA SOMNOLENCE D'UN OPERATEUR DANS DES MINES DE SURFACE**
[72] MADER, URBAN, CH
[72] SCHLAPBACH, ANDREA BORIS, CH
[72] SPRING, PETER, CH
[73] SAFEMINE AG, CH
[85] 2015-12-30
[86] 2014-06-26 (PCT/CH2014/000088)
[87] (WO2015/000087)
[30] AU (2013206671) 2013-07-03

[11] **2,917,159**
[13] C
[51] **Int.Cl. C07C 229/36 (2006.01) A61K 31/198 (2006.01) A61P 25/00 (2006.01) C07B 59/00 (2006.01)**
[25] EN
[54] **DIHYDROXYPHENYL NEUROTRANSMITTER COMPOUNDS, COMPOSITIONS AND METHODS**
[54] **COMPOSES NEUROTRANSMETTEURS HYDROXYPHENYLES**
[72] GOLDSTEIN, DAVID S., US
[72] HOLMES, COURTNEY, US
[72] ALKEN, RUDOLF-GIESBERT, US
[72] SCHNEIDER, FRANK, US
[72] ZHANG, CHENGZHI, US
[73] AUSPEX PHARMACEUTICALS, INC., US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2015-12-30
[86] 2014-07-08 (PCT/US2014/045731)
[87] (WO2015/006315)
[30] US (61/843,549) 2013-07-08
[30] US (62/010,098) 2014-06-10

[11] **2,918,265**
[13] C
[51] **Int.Cl. C02F 1/52 (2006.01)**
[25] EN
[54] **STABLE SALT-FREE POLYALUMINUM CHLOROSULFATES**
[54] **POLYALUMINIUM CHLOROSULFATES STABLES SANS SEL**
[72] DULKO, JAMES M., US
[73] USALCO, LLC, US
[85] 2016-01-13
[86] 2014-07-17 (PCT/US2014/046991)
[87] (WO2015/009910)
[30] US (61/847,383) 2013-07-17
[30] US (14/333,963) 2014-07-17

[11] **2,918,356**
[13] C
[51] **Int.Cl. C12M 1/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR SPREADING A FLUID ACROSS A SUBSTRATE AND METHOD OF USING THE SAME**
[54] **APPAREIL POUR ETALER UN FLUIDE SUR UN SUBSTRAT ET SON PROCEDE D'UTILISATION**
[72] NORDBERG, JOSHUA, US
[72] CAMPTON, DANIEL, US
[72] QUARRE, STEVEN, US
[72] STEWART, DAVID, US
[73] RARECYTE, INC., US
[85] 2016-01-14
[86] 2014-08-21 (PCT/US2014/052109)
[87] (WO2015/031158)
[30] US (61/869,866) 2013-08-26

[11] **2,919,353**
[13] C
[51] **Int.Cl. A61K 39/12 (2006.01) C07K 14/005 (2006.01)**
[25] EN
[54] **CONFORMATIONALLY STABILIZED RSV PRE-FUSION F PROTEINS**
[54] **PROTEINES F DE PRE-FUSION RSV A STABILISATION CONFORMATIONNELLE**
[72] MARSHALL, CHRISTOPHER PATRICK, US
[72] MCLELLAN, JASON SCOTT, US
[72] ALFF, PETER JOSEPH, US
[72] BERTUCCIOLI, CLAUDIO, US
[72] MARIANI, ROBERTO, US
[73] CALDER BIOSCIENCES INC., US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2016-01-25
[86] 2014-07-24 (PCT/US2014/048086)
[87] (WO2015/013551)
[30] US (61/858,533) 2013-07-25

[11] **2,921,279**
[13] C
[51] **Int.Cl. E04D 1/22 (2006.01) B32B 11/00 (2006.01) B32B 37/00 (2006.01) B32B 38/00 (2006.01)**
[25] EN
[54] **SHINGLE WITH FILM COVERED SURFACES**
[54] **BARDEAU DOTE DE SURFACES REVETUES D'UNE PELLICULE**
[72] BEERER, MARGIE A., US
[72] KIIK, MATTI, US
[72] RAILKAR, SUDHIR, US
[72] KERR, STEVEN D., US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (2921279)
[87] (2921279)
[22] 2016-02-19
[30] US (62/118,880) 2015-02-20
[30] US (15/047,010) 2016-02-18

[11] **2,921,468**
[13] C
[51] **Int.Cl. C07D 491/147 (2006.01) A61K 31/4741 (2006.01) C07D 217/20 (2006.01) C07D 405/04 (2006.01) C07D 491/056 (2006.01) C12P 17/10 (2006.01) C12P 17/16 (2006.01) C12P 17/18 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MAKING NOSCAPINE AND SYNTHESIS INTERMEDIATES THEREOF**
[54] **COMPOSITIONS ET PROCEDES DE FABRICATION DE NOSCAPINE ET D'INTERMEDIAIRES DE SYNTHESE DE CELLE-CI**
[72] FACCHINI, PETER JAMES, CA
[72] CHEN, XUE, CA
[72] DANG, THI THU THUY, CA
[73] WILLOW BIOSCIENCES INC., CA
[85] 2016-02-16
[86] 2014-08-15 (PCT/CA2014/050782)
[87] (WO2015/021561)
[30] US (61/866,733) 2013-08-16
[30] US (62/008,877) 2014-06-06

[11] **2,921,687**
[13] C
[51] **Int.Cl. G01R 33/00 (2006.01) G01R 33/07 (2006.01)**
[25] EN
[54] **HALL EFFECT SENSOR SYSTEM WITH DIAGNOSTIC CAPABILITIES**
[54] **SYSTEME DE CAPTEUR A EFFET HALL DOTE DE CAPACITES DE DIAGNOSTIC**
[72] KURNIAWAN, DICKY M., ID
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2016-02-17
[86] 2014-09-10 (PCT/US2014/054880)
[87] (WO2015/038564)
[30] US (14/023,201) 2013-09-10

[11] **2,924,210**
[13] C
[51] **Int.Cl. H04L 45/12 (2022.01) H04W 40/26 (2009.01) H04W 40/28 (2009.01) H04W 40/30 (2009.01) H04L 45/42 (2022.01) H04L 45/44 (2022.01) H04L 45/48 (2022.01)**
[25] EN
[54] **CO-EXISTENCE OF A DISTRIBUTED ROUTING PROTOCOL AND CENTRALIZED PATH COMPUTATION FOR DETERMINISTIC WIRELESS NETWORKS**
[54] **COEXISTENCE D'UN PROTOCOLE DE ROUTAGE DISTRIBUE ET D'UN CALCUL DE TRAJETS CENTRALISE POUR LES RESEAUX SANS FIL DETERMINISTES**
[72] THUBERT, PASCAL, FR
[72] LEVY-ABEGNOLI, ERIC, FR
[72] WETTERWALD, PATRICK, FR
[72] VASSEUR, JEAN-PHILIPPE, FR
[73] CISCO TECHNOLOGY, INC., US
[85] 2016-03-11
[86] 2014-09-25 (PCT/US2014/057381)
[87] (WO2015/048239)
[30] US (14/038,253) 2013-09-26

[11] **2,925,067**
[13] C
[51] **Int.Cl. G16B 15/00 (2019.01) G16B 45/00 (2019.01) G16C 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MAKING TWO DIMENSIONAL GRAPHS OF COMPLEX MOLECULES**
[54] **SYSTEMES ET PROCEDES D'ETABLISSEMENT DE GRAPHIQUES BIDIMENSIONNELS DE MOLECULES COMPLEXES**
[72] MACDONALD, SCOTT PAUL, CA
[72] OHRN, ANDERS, CA
[73] ZYMEWORKS INC., CA
[85] 2016-03-22
[86] 2014-09-17 (PCT/CA2014/050885)
[87] (WO2015/042699)
[30] US (61/882,531) 2013-09-25

[11] **2,925,489**
[13] C
[51] **Int.Cl. A01N 25/10 (2006.01) A01N 47/36 (2006.01) A01N 57/20 (2006.01)**
[25] EN
[54] **A PESTICIDE COMPOSITION COMPRISING MICROFIBRILLATED CELLULOSE**
[54] **COMPOSITION DE PESTICIDE COMPRENANT UNE CELLULOSE MICROFIBRILLAIRE**
[72] OEVREBOE, HANS HENRIK, NO
[72] BIERRE, FREDERIK, NO
[72] GUNDERSEN, STIG ARE, NO
[72] GARGULAK, JERRY, NO
[72] ROSENBERG, MARIANNE, NO
[73] BORREGAARD AS, NO
[85] 2016-03-21
[86] 2014-09-25 (PCT/EP2014/002605)
[87] (WO2015/043750)
[30] EP (13 004 675.8) 2013-09-26

[11] **2,926,024**
[13] C
[51] **Int.Cl. A61M 5/34 (2006.01) A61M 25/00 (2006.01) A61M 39/06 (2006.01) A61M 39/10 (2006.01) A61M 39/12 (2006.01) F16L 31/00 (2006.01)**
[25] EN
[54] **CATHETER CONNECTOR**
[54] **RACCORD DE CATHETER**
[72] KHALAJ, STEVE SAEED, US
[73] AVENT, INC., US
[85] 2016-03-31
[86] 2014-09-17 (PCT/IB2014/064604)
[87] (WO2015/063623)
[30] US (14/066,045) 2013-10-29

[11] **2,927,356**
[13] C
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 31/436 (2006.01) A61P 13/10 (2006.01)**
[25] EN
[54] **DELIVERY OF AGENTS USING METASTABLE LIPOSOMES**
[54] **ADMINISTRATION D'AGENTS A L'AIDE DE LIPOSOMES METASTABLES**
[72] KAUFMAN, JONATHAN H., US
[72] CHANCELLOR, MICHAEL B., US
[73] LIPELLA PHARMACEUTICALS INC., US
[85] 2016-04-13
[86] 2014-10-22 (PCT/US2014/061769)
[87] (WO2015/061449)
[30] US (61/894,334) 2013-10-22

[11] **2,928,610**
[13] C
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **FLUID FILTERING DEVICE AND ASSEMBLY**
[54] **DISPOSITIF ET ENSEMBLE DE FILTRAGE DE FLUIDE**
[72] EGELAND, EIRIK BENTZEN, NO
[73] TRILOBITE INNOVATION AS, NO
[85] 2016-04-25
[86] 2014-10-24 (PCT/EP2014/072823)
[87] (WO2015/059264)
[30] NO (20131411) 2013-10-25

---

[11] **2,929,496**
[13] C
[51] **Int.Cl. A61K 47/50 (2017.01) C12N 15/113 (2010.01) A23K 50/80 (2016.01) A01K 61/17 (2017.01) A61K 47/54 (2017.01) A01K 61/00 (2017.01) A01K 67/00 (2006.01) A61P 15/00 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING INFERTILE FISH AND EGG-PRODUCING AQUATIC ANIMALS AND OF DELIVERING COMPOUNDS INTO EGGS AND EMBRYOS**
[54] **PROCEDE DE PRODUCTION DE POISSONS ET ANIMAUX AQUATIQUES PONDEURS STERILES ET D'ADMINISTRATION DE COMPOSES DANS DES UFS ET EMBRYONS**
[72] ZOHAR, YONATHAN, US
[72] WONG, TEN-TSAO, US
[73] UNIVERSITY OF MARYLAND BALTIMORE COUNTY, US
[85] 2016-05-02
[86] 2014-11-14 (PCT/US2014/065698)
[87] (WO2015/073819)
[30] US (61/904,652) 2013-11-15
[30] US (61/968,458) 2014-03-21
[30] US (62/050,815) 2014-09-16

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[11] **2,930,541**
[13] C
[51] **Int.Cl. E21B 44/00 (2006.01) G05B 19/02 (2006.01)**
[25] EN
[54] **AUTOMATIC WELLBORE CONDITION INDICATOR AND MANAGER**
[54] **INDICATEUR ET GESTIONNAIRE D'ETAT DE PUITS DE FORAGE AUTOMATIQUE**
[72] ERGE, ONEY, US
[72] BRANNIGAN, JAMES C., US
[72] KOTOVSKY, WAYNE, US
[72] HILDEBRAND, GINGER, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2016-05-12
[86] 2014-11-12 (PCT/US2014/065141)
[87] (WO2015/073489)
[30] US (61/903,419) 2013-11-13
[30] US (14/538,672) 2014-11-11

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[11] **2,930,813**
[13] C
[51] **Int.Cl. B29C 70/44 (2006.01) B29C 43/10 (2006.01) B30B 1/00 (2006.01)**
[25] FR
[54] **METHOD FOR IMPREGNATION OF A FIBROUS PREFORM AND DEVICE FOR IMPLEMENTATION OF THE SAID METHOD**
[54] **PROCEDE D'IMPREGNATION D'UNE PREFORME FIBREUSE ET DISPOSITIF POUR LA MISE EN OEUVRE DE CE PROCEDE**
[72] HENRIO, PHILIPPE, FR
[72] GODON, THIERRY, FR
[73] SNECMA, FR
[73] SAFRAN, FR
[85] 2016-05-16
[86] 2014-11-25 (PCT/FR2014/053032)
[87] (WO2015/082801)
[30] FR (1362102) 2013-12-04

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[11] **2,931,335**
[13] C
[51] **Int.Cl. G06F 9/44 (2018.01) G06F 9/445 (2018.01)**
[25] EN
[54] **DYNAMICALLY DETERMING A MODE OF A DATA PROCESSING APPLICATION**
[54] **DETERMINATION DYNAMIQUE D'UN MODE D'UNE APPLICATION DE TRAITEMENT DE DONNEES**
[72] FISHER, BEN, US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2016-05-20
[86] 2014-12-12 (PCT/US2014/070002)
[87] (WO2015/089390)
[30] US (61/915,805) 2013-12-13

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[11] **2,931,401**
[13] C
[51] **Int.Cl. C08J 5/18 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE CAST POWER STRETCH FILMS WITH ENHANCED APPLICATION AND END-USE PROPERTIES**
[54] **FILMS MOULES ETIRABLES GENERATEURS DE COURANT HAUTE PERFORMANCE AUX PROPRIETES AMELIOREES EN MATIERE D'APPLICATION ET D'UTILISATION FINALE**
[72] PIRTLE, SHAUN EUGENE, US
[73] PARAGON FILMS, INC., US
[85] 2016-05-20
[86] 2014-11-24 (PCT/US2014/067131)
[87] (WO2015/077711)
[30] US (61/907,658) 2013-11-22
[30] US (14/551,673) 2014-11-24

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[11] **2,931,529**
[13] C
[51] **Int.Cl. G06T 5/00 (2006.01) G06T 19/00 (2011.01) A61B 1/05 (2006.01)**
[25] EN
[54] **3D CORRECTED IMAGING**
[54] **IMAGERIE CORRIGEE 3D**
[72] KRIEGER, AXEL, US
[72] KIM, PETER C.W., US
[72] DECKER, RYAN, US
[72] SHADEMAN, AZAD, US
[73] CHILDREN'S NATIONAL MEDICAL CENTER, US
[85] 2016-05-24
[86] 2014-11-26 (PCT/US2014/067641)
[87] (WO2015/081213)
[30] US (61/909,604) 2013-11-27

[11] **2,932,302**
[13] C
[51] **Int.Cl. G01N 27/416 (2006.01) A61B 5/1468 (2006.01) G01N 27/327 (2006.01) H01M 8/16 (2006.01)**
[25] EN
[54] **SALIVARY BIOSENSORS AND BIOFUEL CELLS**
[54] **BIOCAPTEURS SALIVAIRES ET CELLULES DE BIOCARBURANT**
[72] WANG, JOSEPH, US
[72] MERCIER, PATRICK, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2016-05-31
[86] 2015-01-21 (PCT/US2015/012309)
[87] (WO2015/112638)
[30] US (61/929,946) 2014-01-21

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[11] **2,932,722**
[13] C
[51] **Int.Cl. E21B 21/06 (2006.01) E21B 43/02 (2006.01) E21B 43/34 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR RECOVERY OF SOLIDS FROM A DRILLING FLUID**
[54] **PROCEDE ET SYSTEME POUR RECUPERER DES SOLIDES D'UN FLUIDE DE FORAGE**
[72] HANCOCK, JOHN C., US
[72] HILTL, BEN, US
[72] PEREZ, OCTAVIO, US
[73] FSI HOLDINGS, LLC, US
[85] 2016-06-03
[86] 2014-12-03 (PCT/US2014/068347)
[87] (WO2015/084948)
[30] US (14/099,168) 2013-12-06

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[11] **2,932,723**
[13] C
[51] **Int.Cl. B29C 44/38 (2006.01) B29C 44/10 (2006.01) C08L 27/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR THE PRODUCTION OF EXPANDED FOAM EMBRYOS**
[54] **APPAREIL ET PROCEDE DE PRODUCTION D'EMBRYONS DE MOUSSE ALVEOLAIRE**
[72] STIGSSON, JERRY, SE
[72] WILHELMSSON, LARS GUSTAV, SE
[73] DIAB INTERNATIONAL AB, SE
[85] 2016-06-03
[86] 2014-12-10 (PCT/SE2014/051474)
[87] (WO2015/088431)
[30] SE (1351482-3) 2013-12-12

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[11] **2,932,967**
[13] C
[51] **Int.Cl. A61K 31/728 (2006.01) A61K 8/04 (2006.01) A61K 8/49 (2006.01) A61K 8/73 (2006.01) A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 31/4458 (2006.01) A61K 47/10 (2017.01) A61P 19/02 (2006.01) A61Q 19/08 (2006.01)**
[25] FR
[54] **HYALURONIC ACID COMPOSITIONS INCLUDING MEPIVACAINE**
[54] **COMPOSITIONS D'ACIDE HYALURONIQUE COMPRENANT DE LA MEPIVACAINE**
[72] BON BETEMPS, JEREMIE, FR
[72] VITALLY, GUY, FR
[73] LABORATOIRES VIVACY, FR
[85] 2016-06-03
[86] 2014-12-23 (PCT/EP2014/079270)
[87] (WO2015/097261)
[30] FR (13/63505) 2013-12-23

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[11] **2,933,480**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/395 (2006.01) A61K 31/416 (2006.01) A61K 31/437 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61K 31/5386 (2006.01) A61K 31/55 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 413/12 (2006.01) C07D 471/10 (2006.01) C07D 487/04 (2006.01) C07D 487/10 (2006.01) C07D 498/08 (2006.01)**
[25] EN
[54] **INHIBITORS OF LYSINE SPECIFIC DEMETHYLASE-1**
[54] **INHIBITEUR DE LA DEMETHYLASE-1 SPECIFIQUE DE LA LYSINE**
[72] CHEN, YOUNG, K., US
[72] KANOUNI, TOUFIKE, US
[72] KALDOR, STEPHEN W., US
[72] STAFFORD, JEFFREY ALAN, US
[72] VEAL, JAMES MARVIN, US
[73] CELGENE QUANTICEL RESEARCH, INC., US
[85] 2016-06-09
[86] 2014-12-10 (PCT/US2014/069562)
[87] (WO2015/089192)
[30] US (61/914,927) 2013-12-11

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[11] **2,934,024**
[13] C
[51] **Int.Cl. C07D 261/14 (2006.01) A61K 31/222 (2006.01) A61K 31/42 (2006.01) A61K 31/422 (2006.01) A61P 17/00 (2006.01) C07C 235/38 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **KALLIKREIN 7 INHIBITORS**
[54] **INHIBITEURS DE LA KALLICREINE 7**
[72] LINSCHOTEN, MARCEL, SE
[73] SIXERA PHARMA AB, SE
[85] 2016-06-15
[86] 2015-01-22 (PCT/SE2015/050060)
[87] (WO2015/112079)
[30] SE (1430004-0) 2014-01-23

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[11] **2,934,887**
[13] C
[51] **Int.Cl. H04W 72/02 (2009.01)**
[25] EN
[54] **SWITCHING MODE OF OPERATION IN D2D COMMUNICATIONS**
[54] **MODE DE COMMUTATION DE FONCTIONNEMENT DANS DES COMMUNICATIONS D2D**
[72] PATIL, SHAILESH, US
[72] BAGHEL, SUDHIR KUMAR, US
[72] GAAL, PETER, US
[72] TAVILDAR, SAURABHA RANGRAO, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-06-21
[86] 2015-01-19 (PCT/US2015/011910)
[87] (WO2015/116421)
[30] US (61/932,729) 2014-01-28
[30] US (14/599,254) 2015-01-16

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[11] **2,936,689**
[13] C
[51] **Int.Cl. B66C 1/66 (2006.01) E04G 21/14 (2006.01) F16B 45/00 (2006.01)**
[25] EN
[54] **CLASP-AND-LUG SYSTEM**
[54] **SYSTEME FERMOIR/PATTE**
[72] SIMMONS, MAXWELL C., US
[72] SIMMONS, ROBERT J., US
[73] CONXTECH, INC., US
[85] 2016-07-12
[86] 2015-01-13 (PCT/US2015/011270)
[87] (WO2015/106291)
[30] US (61/926,815) 2014-01-13

[11] **2,936,842**
[13] C
[51] **Int.Cl. H04M 11/04 (2006.01) H04L 41/0668 (2022.01) H04L 41/0893 (2022.01) H04L 43/0817 (2022.01) H04L 45/30 (2022.01) H04L 47/2416 (2022.01) H04L 61/4511 (2022.01) H04L 65/1073 (2022.01) H04L 12/66 (2006.01) H04L 41/0659 (2022.01) H04L 41/069 (2022.01) H04L 41/0816 (2022.01) H04L 41/0853 (2022.01) H04L 43/10 (2022.01) H04L 43/16 (2022.01) H04L 61/30 (2022.01) H04L 67/288 (2022.01)**
[25] EN
[54] **EMERGENCY SERVICES ROUTING PROXY CLUSTER MANAGEMENT**
[54] **GESTION DE GRAPPE DE MANDATAIRES DE ROUTAGE DE SERVICES D'URGENCE**
[72] KAMBOH, AMEEL, US
[72] WELLONEN, JASON, US
[73] VESTA SOLUTIONS, INC., US
[85] 2016-07-12
[86] 2015-02-05 (PCT/US2015/014679)
[87] (WO2015/120191)
[30] US (14/175,872) 2014-02-07

[11] **2,937,169**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **BIOMARKER AND METHODS FOR EARLY DIAGNOSIS OF ALZHEIMER'S DISEASE**
[54] **BIOMARQUEUR ET PROCEDES DE DIAGNOSTIC PRECOCE DE LA MALADIE D'ALZHEIMER**
[72] FEUERHELM-HEIDL, ANNEGRET, DE
[73] PREDEMTEC AG, CH
[85] 2016-07-18
[86] 2015-01-28 (PCT/EP2015/051677)
[87] (WO2015/113995)
[30] EP (14152770.5) 2014-01-28
[30] US (61/932,307) 2014-01-28

[11] **2,937,394**
[13] C
[51] **Int.Cl. A61B 3/028 (2006.01) A61B 3/036 (2006.01)**
[25] FR
[54] **VISUAL COMPENSATION SYSTEM AND OPTOMETRIC BINOCULAR DEVICE**
[54] **SYSTEME DE COMPENSATION VISUELLE ET DISPOSITIF BINOCULAIRE D'OPTOMETRIE**
[72] NAUCHE, MICHEL, FR
[72] BOUTINON, STEPHANE, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2016-07-19
[86] 2015-01-15 (PCT/FR2015/050103)
[87] (WO2015/107303)
[30] FR (1450433) 2014-01-20

[11] **2,937,416**
[13] C
[51] **Int.Cl. C07F 7/28 (2006.01) C08F 4/6592 (2006.01) C08F 210/16 (2006.01)**
[25] EN
[54] **METAL COMPLEX WITH A CYCLIC AMIDINE LIGAND**
[54] **COMPLEXE METALLIQUE A LIGAND AMIDINE CYCLIQUE**
[72] DOREMAELE, VAN GERARDUS HENRICUS JOSEPHUS, NL
[72] BERTHOUD, ALEXANDRA, BE
[72] QUIROGA NORAMBUENA, VICTOR, BE
[72] RUPNICKI, LESZEK, NL
[72] KARBAUM, PETER, DE
[73] ARLANXEO NETHERLANDS B.V., NL
[85] 2016-07-20
[86] 2015-01-27 (PCT/EP2015/051571)
[87] (WO2015/113957)
[30] EP (14153077.4) 2014-01-29

[11] **2,937,522**
[13] C
[51] **Int.Cl. A61K 35/32 (2015.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR CANCER TREATMENT AND PHARMACEUTICAL PREPARATION FOR CANCER TREATMENT CONTAINING SAME COMPOSITION AS ACTIVE INGREDIENT**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DU CANCER ET PREPARATION PHARMACEUTIQUE POUR LE TRAITEMENT DU CANCER CONTENANT LADITE COMPOSITION EN TANT QUE SUBSTANCE ACTIVE**
[72] UEDA, MINORU, JP
[73] CYSAY INC., JP
[85] 2016-07-20
[86] 2015-01-23 (PCT/JP2015/051887)
[87] (WO2015/111712)
[30] JP (2014-011729) 2014-01-24

[11] **2,937,784**
[13] C
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND DEVICE FOR HIGH THROUGHPUT GENERATION OF COMBINATORIAL DROPLETS AND METHODS OF USE**
[54] **SYSTEME ET DISPOSITIF DE GENERATION HAUT DEBIT DE GOUTTELETTES COMBINATOIRES ET PROCEDES UTILISES**
[72] WANG, TZA-HUEI, US
[72] RANE, TUSHAR DNYANDEO, US
[72] ZEC, HELENA CLAIRE, US
[73] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2016-07-22
[86] 2015-01-26 (PCT/US2015/012927)
[87] (WO2015/112985)
[30] US (61/931,516) 2014-01-24

[11] **2,937,878**
[13] C
[51] **Int.Cl. G01R 33/20 (2006.01)**
[25] EN
[54] **FRAME-SUSPENDED MAGNETOELASTIC RESONATORS**
[54] **RESONATEURS MAGNETOELASTIQUES SUSPENDUS A UN CADRE**
[72] GIANCHANDANI, YOGESH, US
[72] TANG, JUN, US
[72] GREEN, SCOTT, US
[73] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[85] 2016-07-25
[86] 2015-01-23 (PCT/US2015/012709)
[87] (WO2015/112875)
[30] US (61/931,300) 2014-01-24

[11] **2,938,873**
[13] C
[51] **Int.Cl. B60R 9/00 (2006.01) B60F 5/00 (2006.01) B60R 11/00 (2006.01)**
[25] EN
[54] **RETAINING DEVICE FOR VEHICLE RACKS**
[54] **DISPOSITIF DE RETENUE POUR SUPPORTS DE VEHICULE**
[72] BENEDICT, TIMOTHY, US
[72] LANE, JEFFREY, US
[73] ARCTIC CAT INC., US
[86] (2938873)
[87] (2938873)
[22] 2016-08-11
[30] US (14/846,339) 2015-09-04

[11] **2,939,197**
[13] C
[51] **Int.Cl. H04W 72/10 (2009.01)**
[25] EN
[54] **PRIORITY ACCESS TO A PRIORITY ACCESS CHANNEL**
[54] **ACCES PRIORITAIRE A UN CANAL D'ACCES PRIORITAIRE**
[72] HASSAN, AMER A., US
[72] MITCHELL, PAUL WILLIAM ALEXANDER, US
[72] HAUGEN, TODD, US
[72] GARNETT, PAUL W., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2016-08-09
[86] 2015-02-20 (PCT/US2015/016730)
[87] (WO2015/130558)
[30] US (61/944,447) 2014-02-25
[30] US (14/252,460) 2014-04-14

[11] **2,939,413**
[13] C
[51] **Int.Cl. G01N 27/04 (2006.01) G01N 27/20 (2006.01) G01R 31/01 (2020.01)**
[25] EN
[54] **A METHOD FOR ANALYZING AN ANODE AND DEVICE THEREOF**
[54] **PROCEDE D'ANALYSE D'UNE ANODE ET DISPOSITIF ASSOCIE**
[72] KOCAEFE, DUYGU, CA
[72] BHATTACHARYAY, DIPANKAR, CA
[72] KOCAEFE, YASAR SULEYMAN, CA
[73] UNIVERSITE DU QUEBEC A CHICOUTIMI, CA
[85] 2016-08-11
[86] 2015-02-13 (PCT/CA2015/050106)
[87] (WO2015/120554)
[30] US (61/939,768) 2014-02-14

[11] **2,939,506**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING SKIN INFECTION BY ADMINISTERING AN IL-4R ANTAGONIST**
[54] **PROCEDES DE TRAITEMENT DE L'INFECTION CUTANEE PAR L'ADMINISTRATION D'UN ANTAGONISTE DE L'IL-4R**
[72] GRAHAM, NEIL, US
[72] ARDELEANU, MARIUS, US
[72] RADIN, ALLEN, US
[72] HAMILTON, JENNIFER D., US
[72] TEPER, ARIEL, FR
[73] REGENERON PHARMACEUTICALS, INC., US
[73] SANOFI BIOTECHNOLOGY, FR
[85] 2016-08-11
[86] 2015-02-26 (PCT/US2015/017834)
[87] (WO2015/130975)
[30] US (61/946,237) 2014-02-28
[30] US (61/952,245) 2014-03-13
[30] US (61/986,371) 2014-04-30
[30] EP (14306476.4) 2014-09-24
[30] US (62/100,128) 2015-01-06

[11] **2,940,315**
[13] C
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/385 (2006.01) A61P 3/06 (2006.01) A61P 9/00 (2006.01) A61P 37/04 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **PCSK9 VACCINES**
[54] **VACCINS CONTRE LA PCSK9**
[72] GALABOVA, GERGANA, AT
[72] STAFFLER, GUNTHER, AT
[72] BRUNNER, SYLVIA, AT
[72] WINSAUER, GABRIELE, AT
[72] MAIRHOFER, ANDREAS, AT
[72] JUNO, CLAUDIA, AT
[73] AFFIRIS CVD GMBH, AT
[85] 2016-08-22
[86] 2015-02-23 (PCT/EP2015/053725)
[87] (WO2015/128287)
[30] EP (14157221.4) 2014-02-28

[11] **2,940,666**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/395 (2006.01) A61K 31/437 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61K 31/553 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 471/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **TYK2 INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE TYK2 ET LEURS UTILISATIONS**
[72] MASSE, CRAIG E., US
[72] GREENWOOD, JEREMY ROBERT, US
[72] ROMERO, DONNA L., US
[72] HARRIMAN, GERALDINE C., US
[72] WESTER, RONALD T., US
[72] SHELLEY, MEE, US
[72] KENNEDY-SMITH, JOSHUA JAHMIL, US
[72] DAHLGREN, MARKUS, US
[73] NIMBUS LAKSHMI, INC., US
[85] 2016-08-24
[86] 2015-02-27 (PCT/US2015/018071)
[87] (WO2015/131080)
[30] US (61/946,358) 2014-02-28
[30] US (61/971,376) 2014-03-27
[30] US (62/096,231) 2014-12-23

[11] **2,940,990**
[13] C
[51] **Int.Cl. G06F 9/46 (2006.01)**
[25] EN
[54] **ADDRESS EXPANSION AND CONTRACTION IN A MULTITHREADING COMPUTER SYSTEM**
[54] **EXPANSION ET CONTRACTION D'ADRESSE DANS UN SYSTEME INFORMATIQUE MULTIFIL**
[72] GREINER, DAN, US
[72] FARRELL, MARK, US
[72] OSISEK, DAMIAN LEO, US
[72] SCHMIDT, DONALD WILLIAM, US
[72] BUSABA, FADI YUSUF, US
[72] KUBALA, JEFFREY PAUL, US
[72] BRADBURY, JONATHAN DAVID, US
[72] HELLER, LISA CRANTON, US
[72] SLEGEL, TIMOTHY, US
[72] GAINEY, CHARLES, JR. (DECEASED), US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2016-08-26
[86] 2015-03-16 (PCT/EP2015/055447)
[87] (WO2015/144479)
[30] US (14/226,947) 2014-03-27

---

[11] **2,941,195**
[13] C
[51] **Int.Cl. A61M 1/14 (2006.01)**
[25] EN
[54] **FLUID CASSETTE WITH ALIGNMENT LATCHING HAVING AN IMPROVED TILT-TOLERANCE AS WELL AS A BLOOD TREATMENT APPARATUS**
[54] **CASSETTE DE LIQUIDE COMPORTANT UN CRAN D'ARRET DE CENTRAGE RESISTANT AU BASCULEMENT, ET DISPOSITIF DE TRAITEMENT SANGUIN**
[72] LAUER, MARTIN, DE
[73] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2016-08-30
[86] 2015-03-13 (PCT/EP2015/055299)
[87] (WO2015/136077)
[30] DE (10 2014 103 492.9) 2014-03-14

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[11] **2,941,704**
[13] C
[51] **Int.Cl. E02F 5/10 (2006.01) F16L 1/032 (2006.01) H02G 1/06 (2006.01)**
[25] EN
[54] **AUTOMATED BELOW GROUND CABLE INSTALLATION WITHIN A SELECT FILL**
[54] **INSTALLATION AUTOMATISEE DE CABLE SOUTERRAIN A L'INTERIEUR D'UN REMPLISSAGE SELECTIONNE**
[72] QUACKENBUSH, KARL, US
[72] GLUSKIN, MARK A., US
[72] HARRISON, RICK, US
[72] SPECHT, EDWARD, JR., US
[72] KELLY, BRIAN, US
[72] BAKER, JAMES M., JR., US
[73] QUANTA ASSOCIATES, L.P., US
[85] 2016-09-06
[86] 2015-03-06 (PCT/US2015/019228)
[87] (WO2015/134896)
[30] US (61/949,009) 2014-03-06

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[11] **2,941,782**
[13] C
[51] **Int.Cl. C07C 327/44 (2006.01) A61K 31/277 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **2-CYANO-3-CYCLOPROPYL-3-HYDROXY-N-ARYL-THIOACRYLAMIDE DERIVATIVES**
[54] **DERIVES DE 2-CYANO-3-CYCLOPROPYL-3-HYDROXY-N-ARYL-THIOACRYLAMIDE**
[72] HASSE, BIRGIT, DE
[72] KOOPMANS, GUIDO, NL
[73] ALGIAX PHARMACEUTICALS GMBH, DE
[85] 2016-09-07
[86] 2015-03-15 (PCT/EP2015/055379)
[87] (WO2015/140081)
[30] EP (14000994.5) 2014-03-18
[30] US (61/954,844) 2014-03-18

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[11] **2,941,796**
[13] C
[51] **Int.Cl. A01K 1/03 (2006.01) A01K 1/00 (2006.01) F24F 6/02 (2006.01) F24F 6/18 (2006.01)**
[25] EN
[54] **CAGE SYSTEM COMPRISING A CLIMATE CONTROL UNIT HAVING A LOW FLOW VAPORIZER**
[54] **SYSTEME DE CAGE COMPRENANT UNE UNITE DE CLIMATISATION POSSEDANT UN VAPORISATEUR A FAIBLE DEBIT**
[72] HALLUM, CARSTEN, DK
[72] SALLING, BO, DK
[73] SCANBUR A/S, DK
[85] 2016-09-07
[86] 2015-03-12 (PCT/EP2015/055220)
[87] (WO2015/136050)
[30] EP (14159960.5) 2014-03-14

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[11] **2,942,244**
[13] C
[51] **Int.Cl. A61K 47/22 (2006.01) A61K 9/00 (2006.01) A61K 31/198 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **DOPA DECARBOXYLASE INHIBITOR COMPOSITIONS**
[54] **COMPOSITIONS D'INHIBITEURS DE DOPA-DECARBOXYLASE**
[72] YACOBY-ZEEVI, ORON, IL
[73] NEURODERM LTD, IL
[85] 2016-09-09
[86] 2015-03-12 (PCT/IL2015/050258)
[87] (WO2015/136538)
[30] US (61/952,477) 2014-03-13
[30] US (61/990,967) 2014-05-09

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[11] **2,942,352**
[13] C
[51] **Int.Cl. B62D 53/08 (2006.01)**
[25] EN
[54] **FIFTH WHEEL COUPLER SAFETY CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE SECURITE DE COUPLEUR DE CINQUIEME ROUE**
[72] MOHAMAD JEMBARI, AHMAD NIZAM, US
[72] HUNGERINK, GERALD W., US
[72] AINSWORTH, BRIAN E., US
[73] SAF-HOLLAND, INC., US
[85] 2016-09-09
[86] 2015-03-24 (PCT/US2015/022131)
[87] (WO2015/148438)
[30] US (61/969,532) 2014-03-24

[11] **2,942,695**
[13] C
[51] **Int.Cl. A47J 43/12 (2006.01) B05B 7/32 (2006.01) B65D 83/14 (2006.01) B65D 83/60 (2006.01)**
[25] EN
[54] **NITROUS OXIDE MIXTURES AND METHODS OF USE**
[54] **MELANGES D'OXYDES NITREUX ET LEURS PROCEDES D'UTILISATION**
[72] KIRSCH, WARREN R., US
[72] METCALFE, CHRISTIAN T., US
[73] KORVATA INC., US
[85] 2016-09-13
[86] 2015-03-13 (PCT/US2015/020522)
[87] (WO2015/138950)
[30] US (61/953,160) 2014-03-14
[30] US (62/052,376) 2014-09-18

[11] **2,943,431**
[13] C
[51] **Int.Cl. A61K 9/51 (2006.01) A61K 9/50 (2006.01) A61K 31/327 (2006.01) A61K 33/40 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **A THERAPEUTIC AGENT FOR USE IN THE TREATMENT OF INFECTIONS**
[54] **AGENT THERAPEUTIQUE POUR UTILISATION DANS LE TRAITEMENT D'INFECTIONS**
[72] FELLOWS, ADRIAN NEVILLE, GB
[73] AGA NANOTECH LTD, GB
[85] 2016-09-21
[86] 2015-03-24 (PCT/GB2015/000100)
[87] (WO2015/150722)
[30] GB (1405874.7) 2014-04-01
[30] GB (1415063.5) 2014-08-26

[11] **2,943,436**
[13] C
[51] **Int.Cl. B01D 29/46 (2006.01)**
[25] EN
[54] **SCREW PRESS WITH FILTER PLATES**
[54] **PRESSE A VIS AVEC PLAQUES DE FILTRE**
[72] BOIVIN, ALAIN, CA
[72] BOUCHARD, MARIE-LOUISE, CA
[72] SIMARD, GUY, CA
[72] SAVARD, VERONIQUE, CA
[72] GRAVEL, SIMON, CA
[73] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA
[85] 2016-09-21
[86] 2015-04-09 (PCT/IB2015/000468)
[87] (WO2015/162472)
[30] EP (14001431.7) 2014-04-22

[11] **2,943,454**
[13] C
[51] **Int.Cl. B60K 7/00 (2006.01) G06Q 50/30 (2012.01) B60L 15/20 (2006.01) B60R 16/02 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR THE OPERATION OF ELECTRICALLY MOTORIZED VEHICLES**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS POUR LE FONCTIONNEMENT DE VEHICULES A MOTEUR ELECTRIQUE**
[72] BIDERMAN, ASSAF, US
[72] STEVENS, JON, US
[72] HEINZMANN, JOHN DAVID, US
[72] SIMARD, JAMES, US
[72] CAGNIE, RUBEN, US
[72] CHAN, TAI, US
[73] SUPERPEDESTRIAN, INC., US
[85] 2016-09-21
[86] 2015-04-03 (PCT/US2015/024369)
[87] (WO2015/154046)
[30] US (61/975,658) 2014-04-04
[30] US (62/083,851) 2014-11-24
[30] US (62/092,243) 2014-12-15

[11] **2,943,883**
[13] C
[51] **Int.Cl. G07F 7/08 (2006.01) G07F 9/00 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM, AND METHODS FOR RETROFITTING VENDING SYSTEMS WITH WIRELESS COMMUNICATION**
[54] **APPAREIL, SYSTEME ET PROCEDES PERMETTANT DE MODERNISER DES SYSTEMES DE VENTE AVEC UNE COMMUNICATION SANS FIL**
[72] SIMPKINS, JOSEPH A., US
[72] CATTANI, THOMAS J., US
[73] USA TECHNOLOGIES, INC., US
[85] 2016-09-23
[86] 2015-04-08 (PCT/US2015/024892)
[87] (WO2015/157397)
[30] US (61/976,580) 2014-04-08

[11] **2,944,786**
[13] C
[51] **Int.Cl. H02G 7/05 (2006.01)**
[25] EN
[54] **SIDE-LOADING QUADRANT DEADEND CLAMP ASSEMBLY**
[54] **ENSEMBLE PINCE D'ANCRAGE A QUADRANT A CHARGEMENT LATERAL**
[72] DIOP, SEYDOU, US
[72] ZELAZNY, PAUL F., US
[72] BUNDREN, JASON L., US
[73] HUBBELL INCORPORATED, US
[85] 2016-10-03
[86] 2015-04-10 (PCT/US2015/025276)
[87] (WO2015/157619)
[30] US (61/978,716) 2014-04-11
[30] US (14/489,236) 2014-09-17

[11] **2,945,170**
[13] C
[51] **Int.Cl. C22B 3/04 (2006.01) C22B 3/22 (2006.01) C22B 3/44 (2006.01) C22B 26/00 (2006.01)**
[25] EN
[54] **PROCESS FOR OBTAINING LITHIUM FROM ALUMINOSILICATES AND INTERMEDIATE COMPOUNDS**
[54] **PROCEDE D'OBTENTION DE LITHIUM A PARTIR D'ALUMINOSILICATES ET DE COMPOSES INTERMEDIAIRES**
[72] RODRIGUEZ, MARIO HUMBERTO, AR
[72] ROSALES, GUSTAVO DANIEL, AR
[72] RUIZ, MARIA DEL CARMEN, AR
[73] INIS BIOTECH LLC, US
[73] CONSEJO NACIONAL DE INVESTIGACIONES CIENTIFICAS Y TECNICAS (CONICET), AR
[73] UNIVERSIDAD NACIONAL DE CUYO, AR
[85] 2016-10-06
[86] 2015-04-07 (PCT/IB2015/052512)
[87] (WO2015/155684)
[30] AR (20140101536) 2014-04-09

[11] **2,945,604**
[13] C
[51] **Int.Cl. A61K 9/08 (2006.01) A61J 1/05 (2006.01) A61K 9/107 (2006.01) A61K 31/74 (2006.01) A61M 11/00 (2006.01) A61P 11/12 (2006.01)**
[25] EN
[54] **LIQUID FORMULATION COMPOSITIONS, MEDICAMENT DELIVERY DEVICES, AND METHODS OF PREPARATION AND USE THEREOF**
[54] **COMPOSITIONS EN FORMULATION LIQUIDE, DISPOSITIFS D'ADMINISTRATION DE MEDICAMENTS, ET LEURS PROCEDES DE PREPARATION ET LEUR UTILISATION**
[72] YU, LI, CN
[72] FERGUSON, JAMES GERRY, CN
[73] SHENZHEN HIGHTIDE BIOPHARMACEUTICAL, LTD., CN
[73] SHAGNHAI HIGHTIDE BIOPHARMACEUTICAL, LTD., CN
[85] 2016-10-13
[86] 2014-09-30 (PCT/CN2014/088010)
[87] (WO2016/019627)
[30] CN (201410390825.9) 2014-08-08
[30] CN (201410391082.7) 2014-08-08
[30] CN (201410391083.1) 2014-08-08
[30] CN (201410391084.6) 2014-08-08

[11] **2,945,820**
[13] C
[51] **Int.Cl. G06Q 10/04 (2012.01) G06Q 50/02 (2012.01) A01C 7/08 (2006.01) G01C 7/04 (2006.01) G01V 9/00 (2006.01) G06F 17/40 (2006.01)**
[25] EN
[54] **GENERATING AN AGRICULTURE PRESCRIPTION**
[54] **GENERATION D'UNE PRESCRIPTION AGRICOLE**
[72] RUPP, CRAIG EUGENE, US
[72] KULL, A. CORBETT S., US
[72] PITSTICK, STEVE RICHARD, US
[72] DUMSTORFF, PATRICK LEE, US
[73] CLIMATE LLC, US
[85] 2016-10-13
[86] 2015-04-21 (PCT/US2015/026906)
[87] (WO2015/164393)
[30] US (61/981,909) 2014-04-21
[30] US (14/691,280) 2015-04-20

[11] **2,946,045**
[13] C
[51] **Int.Cl. A63G 21/18 (2006.01) A63G 21/12 (2006.01)**
[25] EN
[54] **AMUSEMENT ATTRACTION FLUID CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE FLUIDE D'ATTRACTION FORAINE**
[72] HUNTER, RICHARD D., CA
[72] SMEGAL, RAYMOND T., CA
[73] PROSLIDE TECHNOLOGY INC., CA
[85] 2016-10-17
[86] 2015-04-23 (PCT/CA2015/050339)
[87] (WO2015/161382)
[30] US (61/983,251) 2014-04-23

[11] **2,946,233**
[13] C
[51] **Int.Cl. B64G 1/10 (2006.01) B64G 1/00 (2006.01) B64G 1/24 (2006.01)**
[25] FR
[54] **METHOD FOR DEPLOYING A SATELLITE CONSTELLATION**
[54] **PROCEDE DE DEPLOIEMENT D'UNE CONSTELLATION DE SATELLITES**
[72] MARCHANDISE, FREDERIC, FR
[72] SIMONTACCHI, PAMELA, FR
[72] MATHIEU, PERRINE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-10-18
[86] 2015-04-21 (PCT/FR2015/051074)
[87] (WO2015/162370)
[30] FR (1453690) 2014-04-24

[11] **2,946,654**
[13] C
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/506 (2006.01) A61P 33/06 (2006.01)**
[25] EN
[54] **TRIAMINOPYRIMIDINE COMPOUNDS USEFUL FOR PREVENTING OR TREATING MALARIA**
[54] **COMPOSES DE TRIAMINOPYRIMIDINE POUVANT ETRE UTILISES EN VUE DE LA PREVENTION OU DU TRAITEMENT DU PALUDISME**
[72] HAMEED PEER MOHAMED, SHAHUL, IN
[72] PATIL, VIKAS, IN
[72] MURUGAN, KANNAN, IN
[72] VITHALRAO BELLALE, EKNATH, IN
[72] RAICHURKAR, ANANDKUMAR, IN
[72] LANDGE, SUDHIR, IN
[72] PUTTUR, JAYASHREE, IN
[72] ROY CHOUDHURY, NILANJANA, IN
[72] SHANBHAG, GAJANAN, IN
[72] KOUSHIK, KRISHNA, IN
[72] IYER, PRAVIN, IN
[72] KIRTHIKA SAMBANDAMURTHY, VASAN, IN
[72] SOLAPURE, SURESH, IN
[72] NARAYANAN, SHRIDHAR, IN
[73] MMV MEDICINES FOR MALARIA VENTURE, CH
[85] 2016-10-21
[86] 2015-03-26 (PCT/EP2015/056496)
[87] (WO2015/165660)
[30] IN (2142/CHE/2014) 2014-04-28

[11] **2,946,823**
[13] C
[51] **Int.Cl. B64D 11/06 (2006.01)**
[25] EN
[54] **AIRCRAFT ANGLED CONFERENCE TABLE CONFIGURATION**
[54] **CONFIGURATION DE TABLE DE CONFERENCE INCLINEE D'AERONEF**
[72] BANG, SEUNG JOON, CA
[72] FAGAN, TIM MICHAEL, CA
[72] MALEK, BRUCE, CA
[73] BOMBARDIER INC., CA
[85] 2016-10-24
[86] 2015-04-22 (PCT/IB2015/052944)
[87] (WO2015/162574)
[30] US (61/984,434) 2014-04-25

[11] **2,946,825**
[13] C
[51] **Int.Cl. A61K 31/7048 (2006.01) A61P 21/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **MUSCLE ATROPHY INHIBITOR CONTAINING QUERCETIN GLYCOSIDE**
[54] **INHIBITEUR DE L'ATROPHIE MUSCULAIRE CONTENANT UN GLYCOSIDE DE QUERCETINE**
[72] OTSUKA, YUTA, JP
[72] EGAWA, KAHORI, JP
[72] KANZAKI, NORIYUKI, JP
[73] SUNTORY HOLDINGS LIMITED, JP
[85] 2016-10-24
[86] 2015-04-24 (PCT/JP2015/062533)
[87] (WO2015/166887)
[30] JP (2014-092855) 2014-04-28

[11] **2,946,903**
[13] C
[51] **Int.Cl. B44B 5/00 (2006.01) B44B 5/02 (2006.01) B44C 5/04 (2006.01) B44F 9/02 (2006.01) C23F 1/00 (2006.01) E06B 3/70 (2006.01)**
[25] EN
[54] **DOOR SKIN, A METHOD OF ETCHING A PLATE FOR FORMING A WOOD GRAIN PATTERN IN THE DOOR SKIN, AND AN ETCHED PLATE FORMED THEREFROM**
[54] **REVETEMENT DE PORTE, PROCEDE DE GRAVURE DE PLAQUE POUR FORMER UN MOTIF DE GRAIN DE BOIS DANS LE REVETEMENT DE PORTE, ET PLAQUE GRAVEE FORMEE A PARTIR DE CELUI-CI**
[72] ALLEN, ROBERT C., US
[73] MASONITE CORPORATION, US
[85] 2016-10-24
[86] 2015-05-11 (PCT/US2015/030159)
[87] (WO2015/172146)
[30] US (61/990,853) 2014-05-09

[11] **2,946,956**
[13] C
[51] **Int.Cl. C12N 9/02 (2006.01) C12N 1/21 (2006.01) C12N 15/53 (2006.01) C12N 15/63 (2006.01) C12Q 1/26 (2006.01) G01N 33/48 (2006.01) G01N 33/68 (2006.01)**
[25] FR
[54] **NADPH OXIDASE PROTEINS**
[54] **PROTEINES NADPH OXYDASES**
[72] DUPUY, JEROME, FR
[72] HAJJAR, CHRISTINE, LB
[72] CHERRIER, MICKAEL, FR
[72] FIESCHI, FRANCK, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] UNIVERSITE GRENOBLE ALPES, FR
[85] 2016-10-21
[86] 2015-04-22 (PCT/FR2015/051101)
[87] (WO2015/162383)
[30] FR (14/53616) 2014-04-22

[11] **2,947,026**
[13] C
[51] **Int.Cl. B01J 23/70 (2006.01) B01J 32/00 (2006.01) B01J 35/10 (2006.01) B01J 37/00 (2006.01) C10G 45/08 (2006.01)**
[25] EN
[54] **A CATALYST AND ITS USE FOR THE SELECTIVE HYDRODESULFURIZATION OF AN OLEFIN CONTAINING HYDROCARBON FEEDSTOCK**
[54] **CATALYSEUR ET SON UTILISATION POUR L'HYDRODESULFURATION SELECTIVE D'UN PRODUIT DE DEPART D'HYDROCARBURES CONTENANT DES OLEFINES**
[72] BHAN, OPINDER KISHAN, US
[72] KOMAR, DAVID ANDREW, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2016-10-25
[86] 2015-04-23 (PCT/US2015/027197)
[87] (WO2015/167911)
[30] US (61/987,047) 2014-05-01

[11] **2,947,028**
[13] C
[51] **Int.Cl. G05B 19/418 (2006.01) G06Q 10/06 (2012.01)**
[25] EN
[54] **CONFIGURING WORKFLOWS IN A HOST DEVICE OPERATING IN A PROCESS CONTROL SYSTEM**
[54] **CONFIGURATION DE FLUX DE TRAVAUX DANS UN DISPOSITIF HOTE FONCTIONNANT DANS UN SYSTEME DE COMMANDE DE PROCESSUS**
[72] STANDING, IAIN, GB
[72] QADRI, OMER, US
[73] BRISTOL, INC., D/B/A REMOTE AUTOMATION SOLUTIONS, US
[85] 2016-10-25
[86] 2015-04-30 (PCT/US2015/028408)
[87] (WO2015/168353)
[30] US (61/986,806) 2014-04-30

[11] **2,947,651**
[13] C
[51] **Int.Cl. D04B 21/20 (2006.01) F16L 11/02 (2006.01) F16L 55/165 (2006.01)**
[25] EN
[54] **MATERIAL FOR USE IN LINING PIPES**
[54] **MATERIAU POUR REVETEMENT DE CONDUITES**
[72] TOUGH, DAVID PETER, GB
[73] SCOTT & FYFE LIMITED, GB
[85] 2016-11-01
[86] 2015-05-01 (PCT/GB2015/051283)
[87] (WO2015/166268)
[30] GB (1407771.3) 2014-05-02

[11] **2,947,867**
[13] C
[51] **Int.Cl. B65D 47/06 (2006.01) B65D 47/08 (2006.01)**
[25] EN
[54] **BITE PROOF SPOUT**
[54] **BEC VERSEUR ANTI-MORSURE**
[72] TEBBE, MARK GERARD, US
[72] KHACHIKIAN, NAIRI, US
[72] HATHERILL, MARK A., US
[72] JOHNSON, KEVIN DOUGLAS, US
[73] MUNCHKIN, INC., US
[85] 2016-11-02
[86] 2015-05-04 (PCT/US2015/029114)
[87] (WO2015/168701)
[30] US (61/988,077) 2014-05-02
[30] US (62/046,869) 2014-09-05

[11] **2,947,894**
[13] C
[51] **Int.Cl. A23K 10/00 (2016.01) A23K 40/20 (2016.01) A23K 50/00 (2016.01) A23K 50/40 (2016.01) A01K 13/00 (2006.01) A61D 5/00 (2006.01)**
[25] EN
[54] **PET CHEW TREAT HAVING DENTAL EFFICACY**
[54] **FRIANDISE A MACHER POUR ANIMAUX DE COMPAGNIE PRESENTANT UNE EFFICACITE DENTAIRE**
[72] ROETHELI, JOSEPH C., US
[72] LEWIS, LON D., US
[73] PET'S BEST LIFE, LLC, US
[85] 2016-11-02
[86] 2015-05-21 (PCT/US2015/031919)
[87] (WO2015/179609)
[30] US (62/001,310) 2014-05-21

[11] **2,948,271**
[13] C
[51] **Int.Cl. A47K 10/22 (2006.01) G09F 23/06 (2006.01)**
[25] EN
[54] **PRODUCT DISPENSER WITH ACTIVE MEDIA DISPLAY**
[54] **DISTRIBUTEUR DE PRODUIT DOTE D'UN AFFICHEUR MEDIA ACTIF**
[72] THOMAS, TREVOR, CA
[72] DROUIN, PAUL, CA
[72] ELLIOT, NATHAN, CA
[72] MELCHER, DWAYNE, CA
[73] THOMAS, TREVOR, CA
[73] DROUIN, PAUL, CA
[73] ELLIOT, NATHAN, CA
[73] MELCHER, DWAYNE, CA
[86] (2948271)
[87] (2948271)
[22] 2016-11-14

[11] **2,948,627**
[13] C
[51] **Int.Cl. A23C 9/15 (2006.01) A23L 9/00 (2016.01) A23L 29/10 (2016.01) A23C 9/152 (2006.01) A23C 11/04 (2006.01)**
[25] EN
[54] **LIQUID DAIRY BLEND FOR CULINARY FOOD PRODUCTS**
[54] **MELANGE LIQUIDE LAITIER POUR PRODUITS ALIMENTAIRES CULINAIRES**
[72] BARNES, GALE JEFFREY, US
[72] KUNETZ, CHRISTINE FRANCES, US
[72] WOO, KYUNGSOO, US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2016-11-09
[86] 2015-06-19 (PCT/EP2015/063854)
[87] (WO2015/197496)
[30] US (62/016,924) 2014-06-25

[11] **2,948,738**
[13] C
[51] **Int.Cl. A47J 43/04 (2006.01) A47J 31/44 (2006.01)**
[25] EN
[54] **DISPOSABLE FOAMING DEVICE**
[54] **APPAREIL A MOUSSER JETABLE**
[72] AIT BOUZIAD, YOUCEF, CH
[72] AGON, FABIEN LUDOVIC, CH
[72] NOTH, ANDRE, CH
[72] SAVIOZ, GREGORY, CH
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2016-11-10
[86] 2015-06-22 (PCT/EP2015/063897)
[87] (WO2015/197505)
[30] EP (14173790.8) 2014-06-25

[11] **2,948,755**
[13] C
[51] **Int.Cl. A01N 33/12 (2006.01) A01N 25/02 (2006.01) A01N 25/24 (2006.01) A01P 1/00 (2006.01) D06M 13/463 (2006.01) D06M 15/333 (2006.01)**
[25] EN
[54] **LIQUID ANTIMICROBIAL COMPRISING A WATER-SOLUBLE POLYMER AND A WATER-SOLUBLE ANTIMICROBIAL AGENT**
[54] **ANTIMICROBIEN LIQUIDE COMPRENANT UN POLYMERE SOLUBLE DANS L'EAU ET UN AGENT ANTIMICROBIEN SOLUBLE DANS L'EAU**
[72] HARRIS, KEITH JOHN, GB
[73] FANTEX LIMITED, GB
[85] 2016-11-10
[86] 2015-06-03 (PCT/GB2015/051614)
[87] (WO2015/189568)
[30] GB (1410510.0) 2014-06-12

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[11] **2,949,237**
[13] C
[51] **Int.Cl. G01N 33/53 (2006.01)**
[25] EN
[54] **ASSAY FOR DETECTING TH1 AND TH2 CELL POPULATIONS**
[54] **DOSAGE POUR LA DETECTION DE POPULATIONS DE CELLULES TH1 ET TH2**
[72] GORSKI, KEVIN, US
[72] PARNES, JANE R., US
[72] BIGLER, JEANNETTE, US
[72] BOEDIGHEIMER, MICHAEL J., US
[72] WELCHER, ANDREW A., US
[73] AMGEN INC., US
[85] 2016-11-15
[86] 2015-05-15 (PCT/US2015/030940)
[87] (WO2015/175861)
[30] US (61/994,430) 2014-05-16

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[11] **2,949,443**
[13] C
[51] **Int.Cl. A47J 42/08 (2006.01)**
[25] EN
[54] **A GRINDING DEVICE FOR GRINDABLE PRODUCTS**
[54] **DISPOSITIF DE BROYAGE DE PRODUITS POUVANT ETRE BROYES**
[72] CARAPELLI, GIACINTO, IT
[73] DROGHERIA E ALIMENTARI S.P.A., IT
[85] 2016-11-17
[86] 2015-05-26 (PCT/IB2015/053918)
[87] (WO2015/181712)
[30] IT (MI2014A000957) 2014-05-26

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[11] **2,949,820**
[13] C
[51] **Int.Cl. E03D 9/05 (2006.01) A47K 13/30 (2006.01)**
[25] EN
[54] **TOILET VENTILATION SYSTEM**
[54] **SYSTEME DE VENTILATION DE TOILETTES**
[72] PAYZIEV, ABDULAZIZ, US
[73] PAYZIEV, ABDULAZIZ, US
[73] PAYZIEV, AKMAL, US
[85] 2016-11-21
[86] 2015-05-22 (PCT/US2015/032196)
[87] (WO2015/179774)
[30] US (62/001,917) 2014-05-22
[30] US (14/719,399) 2015-05-22

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[11] **2,949,897**
[13] C
[51] **Int.Cl. B65D 43/06 (2006.01)**
[25] EN
[54] **BEVERAGE CAN COVER DEVICE AND METHOD**
[54] **DISPOSITIF DE COUVERCLE DE CANNETTE DE BOISSON ET METHODE**
[72] BAGNALL, ALEXANDER M., CA
[73] BAGNALL, ALEXANDER M., CA
[86] (2949897)
[87] (2949897)
[22] 2016-11-29

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[11] **2,950,079**
[13] C
[51] **Int.Cl. C12N 9/42 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 9/24 (2006.01) C12P 7/10 (2006.01) C12P 19/00 (2006.01) C12P 19/14 (2006.01)**
[25] FR
[54] **VARIANTS OF EXOGLUCANASES HAVING IMPROVED ACTIVITY AND USES THEREOF**
[54] **VARIANTS D'EXOGLUCANASES A ACTIVITE AMELIOREE ET LEURS UTILISATIONS**
[72] PERSILLON, CECILE, FR
[72] ULLMANN, CHRISTOPHE, FR
[72] AYRINHAC, CELINE, FR
[72] BONZOM, OLIVIER, FR
[72] MARGEOT, ANTOINE, FR
[72] MATHIS, HUGUES, FR
[72] FORT, SEBASTIEN, FR
[72] ARMAND, SYLVIE, FR
[72] PRADEAU, STEPHANIE, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE-CNRS-, FR
[73] IFP ENERGIES NOUVELLES, FR
[73] PROTEUS, FR
[85] 2016-11-23
[86] 2015-06-12 (PCT/FR2015/051557)
[87] (WO2015/193588)
[30] FR (14 55701) 2014-06-20

[11] **2,950,259**
[13] C
[51] **Int.Cl. C07D 213/68 (2006.01) A61K 31/4355 (2006.01) A61K 31/436 (2006.01) A61K 31/437 (2006.01) A61K 31/439 (2006.01) A61K 31/44 (2006.01) A61K 31/443 (2006.01) A61K 31/4433 (2006.01) A61K 31/4436 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61K 31/4725 (2006.01) A61K 31/497 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 13/00 (2006.01) A61P 43/00 (2006.01) C07D 213/70 (2006.01) C07D 213/74 (2006.01) C07D 401/04 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 407/06 (2006.01) C07D 407/12 (2006.01) C07D 409/12 (2006.01) C07D 471/04 (2006.01) C07D 491/048 (2006.01) C07D 491/056 (2006.01) C07D 491/08 (2006.01)**
[25] EN
[54] **PYRIDINE DERIVATIVE FOR THE TREATMENT OF NOCTURIA**
[54] **DERIVE DE PYRIDINE POUR LE TRAITEMENT DE LA NYCTURIE**
[72] KAWAGUCHI, KENICHI, JP
[72] ISHIHATA, AKIHIRO, JP
[72] INAGAKI, YUSUKE, JP
[72] TSUCHIYA, KAZUYUKI, JP
[72] HANADATE, TADAATSU, JP
[72] KANAI, AKIRA, JP
[72] KAIZAWA, HIROYUKI, JP
[72] KAZAMI, JUNICHI, JP
[72] MORIKAWA, HIROSHI, JP
[72] HIRAMOTO, MASASHI, JP
[72] ENJO, KENTARO, JP
[72] TAKAMATSU, HAJIME, JP
[73] ASTELLAS PHARMA INC., JP
[73] KOTOBUKI PHARMACEUTICAL CO., LTD., JP
[85] 2016-11-24
[86] 2015-05-28 (PCT/JP2015/065344)
[87] (WO2015/182686)
[30] JP (2014-110432) 2014-05-28

[11] **2,950,394**
[13] C
[51] **Int.Cl. B29C 49/42 (2006.01) B29C 49/06 (2006.01) B29C 49/12 (2006.01) B29C 49/64 (2006.01)**
[25] EN
[54] **APPARATUS FOR CONVEYING CONTAINERS MADE OF PLASTIC MATERIAL**
[54] **APPAREIL POUR LE TRANSPORT DE RECIPIENTS EN MATIERE PLASTIQUE**
[72] ZOPPAS, MATTEO, IT
[72] EUSEBIONE, ERNESTO, IT
[72] CAVALLINI, FRANCO, IT
[72] SEGAT, MATTEO, IT
[73] S.I.P.A. SOCIETA' INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A., IT
[85] 2016-11-25
[86] 2015-05-27 (PCT/IB2015/053964)
[87] (WO2015/181738)
[30] IT (RM2014A000282) 2014-05-28

[11] **2,950,833**
[13] C
[51] **Int.Cl. C12Q 1/6848 (2018.01) C12Q 1/6844 (2018.01) C12M 1/34 (2006.01) C12M 1/40 (2006.01) C12P 19/34 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS OF REDUCING DENSITY-DEPENDENT GC BIAS IN AMPLIFICATION**
[54] **METHODES DE REDUCTION DU BIAIS GC DEPENDANT DE LA DENSITE DANS L'AMPLIFICATION**
[72] BOUTELL, JONATHAN MARK, GB
[72] SHANAHAN, SUSAN, GB
[72] RIGATTI, ROBERTO, GB
[73] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2016-11-30
[86] 2015-06-02 (PCT/GB2015/051605)
[87] (WO2015/185916)
[30] GB (1409777.8) 2014-06-02

[11] **2,950,872**
[13] C
[51] **Int.Cl. G01N 21/3563 (2014.01) G01N 21/552 (2014.01) C01C 1/26 (2006.01)**
[25] EN
[54] **METHOD FOR QUANTIFYING THE AMOUNT OF AMMONIUM BICARBONATE IN A SOLID SAMPLE OF AMMONIUM CARBAMATE**
[54] **PROCEDE DE QUANTIFICATION DU BICARBONATE D'AMMONIUM PRESENT DANS UN ECHANTILLON SOLIDE DE CARBAMATE D'AMMONIUM**
[72] BARAK, AYALA, IL
[72] NUOPPONEN, MARI, DE
[73] A.Y. LABORATORIES LTD., IL
[85] 2016-11-30
[86] 2015-06-02 (PCT/IL2015/050568)
[87] (WO2015/193876)
[30] US (62/013,154) 2014-06-17

[11] **2,950,873**
[13] C
[51] **Int.Cl. A61K 31/5355 (2006.01) A61K 9/08 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61P 23/00 (2006.01)**
[25] EN
[54] **ROCURONIUM PREPARATION WITH IMPROVED STABILITY**
[54] **FORMULATION DE ROCURONIUM A STABILITE AMELIOREE**
[72] ITSUJI, YUTAKA, JP
[72] NAGAHARA, HIRONORI, JP
[72] JINBO, KEISUKE, JP
[73] MARUISHI PHARMACEUTICAL CO., LTD., JP
[85] 2016-11-30
[86] 2014-06-26 (PCT/JP2014/067023)
[87] (WO2015/198456)

[11] **2,950,908**
[13] C
[51] **Int.Cl. G09B 21/00 (2006.01) A61F 9/08 (2006.01) G02F 2/02 (2006.01) H04N 5/335 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EXPANDING HUMAN PERCEPTION**
[54] **SYSTEMES ET PROCEDES D'EXPANSION DE PERCEPTION HUMAINE**
[72] WILCZEK, FRANK, US
[72] WILCZEK, MIRA, US
[73] WILCZEK, FRANK, US
[73] WILCZEK, MIRA, US
[85] 2016-11-30
[86] 2015-05-29 (PCT/US2015/033245)
[87] (WO2015/184299)
[30] US (62/005,242) 2014-05-30

[11] **2,950,917**
[13] C
[51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/43 (2006.01) A61K 31/69 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **BETA-LACTAMASE INHIBITORS**
[54] **INHIBITEURS DE BETA-LACTAMASES**
[72] BURNS, CHRISTOPHER J., US
[72] DAIGLE, DENIS, US
[72] LIU, BIN, US
[72] JACKSON, RANDY W., US
[72] HAMRICK, JODIE, US
[72] MCGARRY, DANIEL, US
[72] PEVEAR, DANIEL C., US
[72] TROUT, ROBERT E. LEE, US
[73] VENATORX PHARMACEUTICALS, INC., US
[85] 2016-11-30
[86] 2015-06-11 (PCT/US2015/035407)
[87] (WO2015/191907)
[30] US (62/010,969) 2014-06-11
[30] US (62/010,940) 2014-06-11
[30] US (62/010,968) 2014-06-11
[30] US (62/118,227) 2015-02-19

[11] **2,951,034**
[13] C
[51] **Int.Cl. B41J 2/175 (2006.01)**
[25] EN
[54] **A SELF-SEALING FILTER MODULE FOR INKJET PRINTING**
[54] **MODULE DE FILTRE AUTO-ETANCHE POUR IMPRESSION A JET D'ENCRE**
[72] SMITH, ROBERT, GB
[72] STAMP, MICHAEL, GB
[72] KING, PAUL, GB
[73] VIDEOJET TECHNOLOGIES INC., US
[85] 2016-12-01
[86] 2015-06-03 (PCT/US2015/033997)
[87] (WO2015/187839)
[30] US (62/008,228) 2014-06-05

[11] **2,951,218**
[13] C
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **HEART VALVE REPAIR DEVICES FOR PLACEMENT IN VENTRICLE AND DELIVERY SYSTEMS FOR IMPLANTING HEART VALVE REPAIR DEVICES**
[54] **DISPOSITIFS DE REPARATION DE VALVE CARDIAQUE POUR PLACEMENT DANS UN VENTRICULE ET SYSTEMES DE PLACEMENT POUR IMPLANTER DES DISPOSITIFS DE REPARATION DE VALVE CARDIAQUE**
[72] YARON, IRA, IL
[72] BEN-ZVI, YONATAN, IL
[73] MITRALIX LTD., IL
[85] 2016-12-05
[86] 2015-06-23 (PCT/IB2015/001026)
[87] (WO2015/198125)
[30] US (14/315,749) 2014-06-26

[11] **2,951,337**
[13] C
[51] **Int.Cl. A61K 31/428 (2006.01) A61P 19/04 (2006.01)**
[25] EN
[54] **PPAR COMPOUNDS FOR USE IN THE TREATMENT OF FIBROTIC DISEASES**
[54] **COMPOSES PPAR UTILISABLES DANS LE TRAITEMENT DE MALADIES FIBROTIQUES**
[72] KONSTANTINOVA, IRENA, FR
[72] LUCCARINI, JEAN-MICHEL, FR
[72] JUNIEN, JEAN-LOUIS, FR
[72] BROQUA, PIERRE, FR
[73] INVENTIVA, FR
[85] 2016-12-06
[86] 2015-06-12 (PCT/EP2015/063196)
[87] (WO2015/189401)
[30] EP (14305894.9) 2014-06-13
[30] EP (14305895.6) 2014-06-13
[30] EP (14305896.4) 2014-06-13
[30] EP (14305897.2) 2014-06-13
[30] EP (14307187.6) 2014-12-24

[11] **2,951,485**
[13] C
[51] **Int.Cl. F24H 1/20 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **ELECTRIC WATER HEATER SYSTEMS FOR POWER GRIDS WITH DISTRIBUTED GENERATION**
[54] **SYSTEMES DE CHAUFFE-EAU ELECTRIQUE POUR RESEAUX ELECTRIQUES A PRODUCTION DISTRIBUEE**
[72] ROGNLI, ROGER W., US
[72] ALLMARAS, KEVIN, US
[72] OONG, MATTHEW, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2016-12-07
[86] 2015-07-09 (PCT/US2015/039642)
[87] (WO2016/007688)
[30] US (62/023,045) 2014-07-10

[11] **2,951,594**
[13] C
[51] **Int.Cl. B01D 11/04 (2006.01) H01M 6/52 (2006.01) H01M 10/54 (2006.01)**
[25] EN
[54] **PROCESS FOR RECOVERING AN ELECTROLYTE SALT**
[54] **PROCEDE DE RECUPERATION D'UN SEL D'ELECTROLYTE**
[72] METZ, FRANCOIS, FR
[73] RHODIA OPERATIONS, FR
[85] 2016-12-08
[86] 2015-06-16 (PCT/EP2015/063381)
[87] (WO2015/193261)
[30] FR (14/01375) 2014-06-18

[11] **2,951,902**
[13] C
[51] **Int.Cl. C08L 33/26 (2006.01) A61K 9/00 (2006.01) A61K 47/32 (2006.01) A61L 27/26 (2006.01) C08L 33/02 (2006.01) C08L 33/08 (2006.01)**
[25] EN
[54] **ENTERIC ELASTOMERS**
[54] **ELASTOMERES ENTERIQUES**
[72] BELLINGER, ANDREW, US
[72] TRAVERSO, CARLO GIOVANNI, CA
[72] LANGER, ROBERT S., US
[72] GLETTIG, DEAN LIANG, US
[72] WOOD, LOWELL L. JR., US
[72] ECKHOFF, PHILIP A., US
[72] ZHANG, SHIYI, US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[73] THE BRIGHAM & WOMEN'S HOSPITAL, INC., US
[73] TOKITAE LLC, US
[85] 2016-12-09
[86] 2015-06-11 (PCT/US2015/035425)
[87] (WO2015/191922)
[30] US (62/010,992) 2014-06-11

[11] **2,952,186**
[13] C
[51] **Int.Cl. C07C 59/90 (2006.01) A01N 37/42 (2006.01) A01P 21/00 (2006.01) C07C 69/738 (2006.01) C07D 277/64 (2006.01)**
[25] EN
[54] **3'-SUBSTITUTED-ABSCISIC ACID DERIVATIVES**
[54] **DERIVES D'ACIDE ABSCISSIQUE SUBSTITUEES EN 3'**
[72] WANG, GARY T., US
[72] HEIMAN, DANIEL F., US
[72] VENBURG, GREGORY D., US
[72] NAGANO, EIKI, JP
[72] SURPIN, MARCI, US
[72] LUSTIG, JOSEPH H., US
[73] VALENT BIOSCIENCES CORPORATION, US
[85] 2016-12-08
[86] 2015-07-08 (PCT/US2015/039496)
[87] (WO2016/007587)
[30] US (62/022,037) 2014-07-08

[11] **2,952,301**
[13] C
[51] **Int.Cl. C04B 35/565 (2006.01) B21B 27/03 (2006.01) B21B 39/00 (2006.01) B65G 39/07 (2006.01) C03C 17/00 (2006.01) C03C 17/22 (2006.01) C04B 35/584 (2006.01) C04B 35/597 (2006.01) C04B 35/626 (2006.01) C04B 41/50 (2006.01) C23C 4/10 (2016.01) F27B 9/24 (2006.01) F27D 3/02 (2006.01)**
[25] EN
[54] **ROLL COMPRISING AN ABRADABLE COATING.**
[54] **ROULEAU COMPRENANT UN REVETEMENT ABRADABLE.**
[72] NICOLAS, JEAN-DENIS, FR
[72] RANCOULE, GILBERT, FR
[72] BERRY, CHRISTIAN, FR
[73] VESUVIUS FRANCE SA, FR
[85] 2016-12-13
[86] 2015-07-08 (PCT/EP2015/065614)
[87] (WO2016/005454)
[30] EP (14176297.1) 2014-07-09

[11] **2,952,357**
[13] C
[51] **Int.Cl. B01F 23/2361 (2022.01) B01F 35/42 (2022.01) B01F 35/71 (2022.01) A23L 2/54 (2006.01)**
[25] EN
[54] **AUTOMATIC RELEASE OF PRESSURE IN A HOME SODA MACHINE**
[54] **LIBERATION AUTOMATIQUE DE PRESSION DANS UNE MACHINE A SODA A USAGE DOMESTIQUE**
[72] COHEN, AVI, IL
[72] RING, ALLAN, IL
[72] LANDAU, EITAN, IL
[72] HAVIV, YOSSI, IL
[72] HARDUFF, HAGAI, IL
[72] KROM, DORON, IL
[72] GOLDSHMID, CARMEL, IL
[72] SHMUELI, EYAL, IL
[73] SODASTREAM INDUSTRIES LTD., IL
[85] 2016-12-13
[86] 2015-06-24 (PCT/IB2015/054726)
[87] (WO2015/198233)
[30] US (62/016,108) 2014-06-24

[11] **2,952,428**
[13] C
[51] **Int.Cl. G01N 30/86 (2006.01)**
[25] EN
[54] **METHOD OF MONITORING PRODUCTION OF A CHEMICAL PRODUCT AND A CHROMATOGRAPH USED THEREWITH**
[54] **PROCEDE DE SURVEILLANCE DE PRODUCTION D'UN PRODUIT CHIMIQUE ET D'UN CHROMATOGRAPHE UTILISE AVEC CELUI-CI**
[72] DUESPOHL, DALE, US
[72] REIB, ROBERT, US
[72] PARRISH, JOHN, US
[73] UNION CARBIDE CORPORATION, US
[85] 2016-12-14
[86] 2015-06-15 (PCT/US2015/035741)
[87] (WO2015/200019)
[30] US (62/018,186) 2014-06-27

[11] **2,952,451**
[13] C
[51] **Int.Cl. C07D 215/48 (2006.01) A61K 31/4706 (2006.01) A61P 25/04 (2006.01) A61P 25/30 (2006.01) C07D 215/46 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL AMINOQUINOLINE THERAPEUTIC AGENTS**
[54] **AGENTS THERAPEUTIQUES MULTIFONCTIONNELS A BASE D'AMINOQUINOLINE**
[72] TABAKOFF, BORIS, US
[73] LOHOCLA RESEARCH CORPORATION, US
[85] 2016-12-14
[86] 2015-06-18 (PCT/US2015/036473)
[87] (WO2015/195943)
[30] US (62/015,152) 2014-06-20

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[11] **2,952,614**
[13] C
[51] **Int.Cl. E04B 1/21 (2006.01) F16L 3/223 (2006.01)**
[25] EN
[54] **PIPE RACKS**
[54] **RATELIERS A TUYAUX**
[72] ZAVITZ, BRYANT, US
[73] TINDALL CORPORATION, US
[85] 2016-12-15
[86] 2015-06-16 (PCT/US2015/035913)
[87] (WO2015/195593)
[30] US (14/306,326) 2014-06-17
[30] US (14/689,589) 2015-04-17
[30] US (14/740,306) 2015-06-16

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[11] **2,952,796**
[13] C
[51] **Int.Cl. D06F 89/00 (2006.01) A41H 33/00 (2006.01) D06F 89/02 (2006.01)**
[25] EN
[54] **DEVICE FOR PROCESSING OF OBJECT TO BE PROCESSED**
[54] **DISPOSITIF DE TRAITEMENT D'OBJET A TRAITER**
[72] KITAGAWA, HIROSHI, JP
[73] DAIWA HOUSE INDUSTRY CO., LTD., JP
[73] SBI VENTURES TWO CO., LTD., JP
[73] PANASONIC HOLDINGS CORPORATION, JP
[85] 2016-12-16
[86] 2015-05-29 (PCT/JP2015/065514)
[87] (WO2015/198791)
[30] JP (2014-129281) 2014-06-24

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[11] **2,952,962**
[13] C
[51] **Int.Cl. C12M 1/34 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **BIOMARKER DETECTION AND IDENTIFICATION SYSTEM AND APPARATUS**
[54] **SYSTEME ET APPAREIL DE DETECTION ET D'IDENTIFICATION DE BIOMARQUEURS**
[72] SIPPLE, DANIEL, US
[73] ACIES MEDICAL LLC, US
[85] 2016-12-19
[86] 2015-06-19 (PCT/US2015/036830)
[87] (WO2015/196172)
[30] US (62/014,513) 2014-06-19

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[11] **2,953,211**
[13] C
[51] **Int.Cl. A61F 2/95 (2013.01)**
[25] EN
[54] **DEVICE FOR TRANSCATHETER INSERTION INTO THE AORTIC ROOT AT THE SINOTUBULAR JUNCTION**
[54] **DISPOSITIF D'INTRODUCTION TRANSCATHETER DANS LA RACINE AORTIQUE AU NIVEAU DE LA JONCTION SINO TUBULAIRE**
[72] PAIN, BERNARD, FR
[72] VOLA, MARCO, FR
[72] PASQUINO, ENRICO, CH
[73] CENTRE HOSPITALIER UNIVERSITAIRE DE SAINT-ETIENNE, FR
[73] AORTICLAB S.R.L., IT
[85] 2016-12-02
[86] 2015-06-04 (PCT/FR2015/051488)
[87] (WO2015/185870)
[30] FR (1455144) 2014-06-05

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[11] **2,953,828**
[13] C
[51] **Int.Cl. A23F 5/24 (2006.01) A23F 3/16 (2006.01)**
[25] EN
[54] **LOW WATER COFFEE AND TEA BEVERAGE CONCENTRATES AND METHODS FOR MAKING THE SAME**
[54] **CONCENTRES DE BOISSONS A BASE DE CAFE ET DE THE A FAIBLE TENEUR EN EAU, ET PROCEDES DE FABRICATION DE CEUX-CI**
[72] RAGNARSSON, KARL, US
[73] KRAFT FOODS GROUP BRANDS LLC, US
[85] 2016-12-28
[86] 2015-07-02 (PCT/US2015/038953)
[87] (WO2016/004285)
[30] US (62/020,694) 2014-07-03

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[11] **2,954,054**
[13] C
[51] **Int.Cl. B65H 45/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXPANDING FLAT-STOCK PRECURSOR MATERIAL**
[54] **SYSTEME ET PROCEDE POUR ETENDRE UN MATERIAU PRECURSEUR DE BASE A PLAT**
[72] OLIVER, WILLIAM H., US
[72] SAVERINO, ROBERT C., US
[73] FOLDEDPAK, INC., US
[85] 2016-12-30
[86] 2015-07-02 (PCT/US2015/039024)
[87] (WO2016/004328)
[30] US (62/020,821) 2014-07-03

[11] **2,954,192**
[13] C
[51] **Int.Cl. H05K 7/14 (2006.01) F21K 9/00 (2016.01) F21V 21/002 (2006.01) H01R 4/18 (2006.01) H01R 13/717 (2006.01)**
[25] EN
[54] **MOUNTING BASE FOR WIRED ELECTRICAL COMPONENT, CORRESPONDING LIGHTING MODULE, METHOD FOR PRODUCING A RELATED MODULE, AND CORRESPONDING GARMENT**
[54] **EMBASE DE SUPPORT POUR COMPOSANT ELECTRIQUE CABLE, MODULE D'ECLAIRAGE CORRESPONDANT, PROCEDE DE REALISATION D'UN MODULE ASSOCIE ET VETEMENT CORRESPONDANT**
[72] ZIEDER, DAVID, FR
[73] IDZ CONCEPT, FR
[85] 2017-01-04
[86] 2015-07-03 (PCT/EP2015/065170)
[87] (WO2016/001395)
[30] FR (1456476) 2014-07-04

[11] **2,954,434**
[13] C
[51] **Int.Cl. B01D 3/10 (2006.01) B01D 5/00 (2006.01) C02F 1/00 (2006.01) C02F 1/02 (2006.01) C02F 1/04 (2006.01) F28B 1/02 (2006.01) F28B 5/00 (2006.01)**
[25] EN
[54] **VACUUM DISTILLATION APPARATUS**
[54] **APPAREIL DE DISTILLATION SOUS VIDE**
[72] SANAGOOY MOHARRER, MOHAMMAD ALI, AU
[73] PLANET H2O PTY LTD, AU
[85] 2017-01-06
[86] 2015-07-07 (PCT/AU2015/050382)
[87] (WO2016/004475)
[30] AU (2014902630) 2014-07-08

[11] **2,954,512**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/1172 (2016.01) A61B 10/00 (2006.01)**
[25] EN
[54] **SELF-ADMINISTERED TAMPER-EVIDENT DRUG DETECTION**
[54] **DETECTION DE MEDICAMENT INVIOLABLE AUTO-ADMINISTRE**
[72] KANUKURTHY, KIRAN S., US
[72] MOORE, MATTHEW D., US
[72] RAJAGOPAL, RAJ, US
[72] HAMERLY, MICHAEL E., US
[73] ATTENTI ELECTRONIC MONITORING LTD, US
[85] 2017-01-06
[86] 2015-07-06 (PCT/US2015/039174)
[87] (WO2016/007401)
[30] US (62/021,269) 2014-07-07

[11] **2,954,799**
[13] C
[51] **Int.Cl. F16K 31/06 (2006.01)**
[25] EN
[54] **SOLENOID VALVE**
[54] **ELECTROVANNE**
[72] BIRKELUND, MICHAEL, DK
[73] DANFOSS A/S, DK
[85] 2017-01-11
[86] 2015-07-10 (PCT/EP2015/064230)
[87] (WO2016/041650)
[30] EP (14185569.2) 2014-09-19

[11] **2,954,970**
[13] C
[51] **Int.Cl. C12Q 1/6806 (2018.01) G16B 20/00 (2019.01) A01H 1/00 (2006.01) A01H 1/04 (2006.01) A01H 1/08 (2006.01) A01H 5/00 (2018.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENOTYPING PLANT MATERIAL**
[54] **SYSTEMES ET PROCEDES POUR GENOTYPER UNE MATIERE VEGETALE**
[72] ARNOLD, RANDAL, US
[72] COPE, MATTHEW PAUL, US
[72] SCHARES, JUSTIN ANDREW, US
[72] YUN, YUE, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2017-01-12
[86] 2015-06-04 (PCT/US2015/034145)
[87] (WO2016/032589)
[30] US (14/473,114) 2014-08-29

[11] **2,955,547**
[13] C
[51] **Int.Cl. C07D 519/00 (2006.01) A61K 31/5383 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF [1,2,4]TRIAZOL0[4,3-A]PYRIDINE DERIVATIVE AND CRYSTALLINE ACID SALTS THEREOF AND USE THEREOF AS C-MET INHIBITOR**
[54] **FORMES CRISTALLINES DE DERIVE DE [1,2,4]TRIAZOL[4,3-A]PYRIDINE ET SELS D'ACIDE CRISTALLINS CONNEXES ET UTILISATION CONNEXE COMME INHIBITEUR DE C-MET**
[72] LI, XIANG, CN
[72] LV, AIFENG, CN
[73] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2017-01-18
[86] 2015-07-30 (PCT/CN2015/085514)
[87] (WO2016/015653)
[30] CN (201410378371.3) 2014-08-01

[11] **2,955,550**
[13] C
[51] **Int.Cl. A61B 18/20 (2006.01) A61F 9/02 (2006.01)**
[25] FR
[54] **PULSED LIGHT THERAPY ASSEMBLY**
[54] **ENSEMBLE DE TRAITEMENT A LUMIERE PULSEE**
[72] SAFRAOUI, GEORGES, FR
[73] EUROFEEDBACK, FR
[85] 2017-01-17
[86] 2015-07-16 (PCT/EP2015/066343)
[87] (WO2016/009008)
[30] FR (14 56968) 2014-07-18

[11] **2,956,522**
[13] C
[51] **Int.Cl. A01K 41/00 (2006.01) A01K 41/06 (2006.01)**
[25] EN
[54] **EGG TRAY FOR INCUBATING AND HATCHING EGGS**
[54] **PLATEAU A OEUFS POUR L'INCUBATION ET L'ECLOSION D'OEUFS**
[72] METER, TJITZE, NL
[73] HATCHTECH GROUP B.V., NL
[85] 2017-01-26
[86] 2015-07-31 (PCT/NL2015/050559)
[87] (WO2016/018154)
[30] NL (2013281) 2014-07-31

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[11] **2,956,527**
[13] C
[51] **Int.Cl. A61K 9/20 (2006.01)**
[25] EN
[54] **DIRECTLY COMPRESSIBLE POLYVINYL ALCOHOLS**
[54] **POLYALCOOLS DE VINYLE APTES A LA COMPRESSION DIRECTE**
[72] OGNIBENE, ROBERTO, DE
[72] BAUER, FINN, DE
[72] WEDEL, THORSTEN, DE
[72] MODDELMOG, GUENTER, DE
[73] MERCK PATENT GMBH, DE
[85] 2017-01-27
[86] 2015-07-03 (PCT/EP2015/001355)
[87] (WO2016/015812)
[30] EP (14002666.7) 2014-07-30

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[11] **2,956,679**
[13] C
[51] **Int.Cl. E04H 12/22 (2006.01) E02D 5/80 (2006.01) E04H 17/00 (2006.01) F16B 2/14 (2006.01)**
[25] EN
[54] **METHOD AND COMPONENTS FOR FENCE/POST INSTALLATION**
[54] **PROCEDE ET COMPOSANTS DE POSE DE CLOTURE/POTEAUX**
[72] HEDLEY, ROBERT IAN, AU
[73] JUSTOY PTY LIMITED, AU
[85] 2017-01-27
[86] 2015-08-18 (PCT/AU2015/050472)
[87] (WO2016/025999)
[30] AU (2014903219) 2014-08-18

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[11] **2,956,733**
[13] C
[51] **Int.Cl. G01N 21/17 (2006.01) F27D 21/00 (2006.01) G01N 21/01 (2006.01) G01N 21/31 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ANALYZING DUSTY INDUSTRIAL OFF-GAS CHEMISTRY**
[54] **SYSTEME ET PROCEDE D'ANALYSE DE CHIMIE DES GAZ DE DEGAGEMENT INDUSTRIELS POUSSIEREUX**
[72] SCIPOLO, VITTORIO, CA
[72] ZULIANI, DOUGLAS J., CA
[72] PAL, AVISHEKH, CA
[72] NEGRU, OVIDIU, CA
[73] TENOVA GOODFELLOW INC., CA
[85] 2017-01-30
[86] 2015-08-14 (PCT/CA2015/000463)
[87] (WO2016/023104)
[30] US (62/037,821) 2014-08-15

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[11] **2,957,533**
[13] C
[51] **Int.Cl. B02C 2/04 (2006.01)**
[25] EN
[54] **TOP SERVICE CLAMPING CYLINDERS FOR A GYRATORY CRUSHER**
[54] **CYLINDRES DE SERRAGE A ENTRETIEN PAR LE HAUT POUR CONCASSEUR GIRATOIRE**
[72] KAJA, DEAN MICHAEL, US
[73] METSO MINERALS INDUSTRIES, INC., US
[85] 2017-02-07
[86] 2015-07-27 (PCT/US2015/042238)
[87] (WO2016/028444)
[30] US (14/463,185) 2014-08-19

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[11] **2,958,919**
[13] C
[51] **Int.Cl. G01N 1/18 (2006.01) E03B 3/03 (2006.01)**
[25] FR
[54] **DEVICE FOR SEQUENTIALLY COLLECTING RAINWATER, IN PARTICULAR WITH A VIEW TO STUDYING THE VARIATION IN THE RADIOACTIVITY OF RAINWATER**
[54] **DISPOSITIF DE COLLECTE SEQUENTIELLE D'EAU DE PLUIE, NOTAMMENT EN VUE DE L'ETUDE DE L'EVOLUTION DE LA RADIOACTIVITE DES EAUX DE PLUIE**
[72] MARO, DENIS, FR
[72] LAGUIONIE, PHILIPPE, FR
[73] INSTITUT DE RADIOPROTECTION ET DE SURETE NUCLEAIRE, FR
[85] 2017-02-21
[86] 2015-08-18 (PCT/EP2015/068908)
[87] (WO2016/026836)
[30] FR (1457941) 2014-08-22

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[11] **2,959,473**
[13] C
[51] **Int.Cl. C08L 53/02 (2006.01) C08J 3/24 (2006.01) C08K 5/01 (2006.01) C08K 5/103 (2006.01) C08K 5/14 (2006.01) C08L 23/00 (2006.01)**
[25] EN
[54] **THERMOPLASTIC ELASTOMER COMPOSITION**
[54] **COMPOSITION D'ELASTOMERE THERMOPLASTIQUE**
[72] JOGO, YOSUKE, JP
[72] IKUJI, MASAKI, JP
[73] KURARAY CO., LTD., JP
[85] 2017-02-27
[86] 2015-08-28 (PCT/JP2015/074546)
[87] (WO2016/031992)
[30] JP (2014-175799) 2014-08-29

[11] **2,960,094**
[13] C
[51] **Int.Cl. G01N 33/569 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **IMMUNOLOGICAL TEST FOR THE DETECTION OF E7 ONCOPROTEINS IN BIOLOGICAL SAMPLES**
[54] **TEST IMMUNOLOGIQUE POUR LA DETECTION D'ONCOPROTEINES E7 DANS DES ECHANTILLONS BIOLOGIQUES**
[72] JANSEN-DURR, PIDDER, AT
[72] BOCHER, OLIVER, DE
[72] KOCH, ISABEL, DE
[72] SOUTSCHEK, ERWIN, DE
[73] MIKROGEN GMBH, DE
[73] OSTERREICHISCHE AKADEMIE DER WISSENSCHAFTEN, AT
[85] 2017-03-03
[86] 2015-10-30 (PCT/EP2015/075214)
[87] (WO2016/066785)
[30] EP (14191193.3) 2014-10-31
[30] US (62/073,116) 2014-10-31

[11] **2,960,461**
[13] C
[51] **Int.Cl. C04B 38/10 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING A FOAM CERAMIC**
[54] **PROCEDE DE FABRICATION D'UNE MOUSSE CERAMIQUE**
[72] RATH, MATTHIAS, AT
[73] RATH, MATTHIAS, AT
[85] 2017-03-07
[86] 2015-09-14 (PCT/EP2015/070909)
[87] (WO2016/045996)
[30] EP (14186287.0) 2014-09-24

[11] **2,962,556**
[13] C
[51] **Int.Cl. B60J 5/04 (2006.01)**
[25] EN
[54] **REINFORCEMENT ELEMENT FOR A VEHICLE, METHOD FOR PRODUCING THE SAME AND DOOR ASSEMBLY**
[54] **ELEMENT DE RENFORT POUR UN VEHICULE, PROCEDE POUR SA PRODUCTION ET ENSEMBLE DE PORTE**
[72] SCHNEIDER, NICOLAS, FR
[72] DROUADAINE, YVES, FR
[73] ARCELORMITTAL, LU
[85] 2017-03-24
[86] 2015-09-22 (PCT/IB2015/057283)
[87] (WO2016/046736)
[30] IB (PCT/IB2014/064734) 2014-09-22

[11] **2,964,424**
[13] C
[51] **Int.Cl. C07C 51/43 (2006.01) B01D 9/00 (2006.01) C07C 57/04 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR PURIFICATION OF ACRYLIC ACID**
[54] **PROCEDE ET APPAREIL POUR LA PURIFICATION D'ACIDE ACRYLIQUE**
[72] SCHAEFER, MATTHIAS, CH
[72] KUSZLIK, ANDRZEJ, CH
[72] LIPPUNER, FLORIAN, CH
[72] ENGSTLER, HERBERT, AT
[73] SULZER MANAGEMENT AG, CH
[85] 2017-04-12
[86] 2015-07-30 (PCT/EP2015/067495)
[87] (WO2016/062422)
[30] EP (14190231.2) 2014-10-24

[11] **2,964,504**
[13] C
[51] **Int.Cl. A61K 31/506 (2006.01) A61P 25/20 (2006.01)**
[25] EN
[54] **ORAL DOSAGE FORM COMPRISING A CYCLOPROPANECARBOXAMIDE DERIVATIVE FOR USE IN TREATING INSOMNIA**
[54] **FORME DE DOSE ORALE COMPRENANT UN DERIVE DE CYCLOPROPANECARBOXAMIDE POURUTILISATION DANS LE TRAITEMENT DE L'INSOMNIE**
[72] MOLINE, MARGARET, US
[72] PASTINO, GINA, US
[72] AKIMOTO, YURIE, JP
[72] ZAIMA, YASUHIRO, JP
[72] SUZUKI, NOBUYA, JP
[72] YOSHIDA, NOBUO, JP
[73] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2017-04-13
[86] 2015-10-21 (PCT/JP2015/080304)
[87] (WO2016/063995)
[30] US (62/067,443) 2014-10-23

[11] **2,965,703**
[13] C
[51] **Int.Cl. H04W 4/48 (2018.01) B60R 99/00 (2009.01) B60K 35/00 (2006.01) B60K 37/06 (2006.01) G06F 3/16 (2006.01)**
[25] EN
[54] **VEHICLE-BASED MULTI-MODAL INTERFACE**
[54] **INTERFACE MULTIMODALE EMBARQUEE**
[72] FARMER, JASON RYAN, US
[72] GLASS, MIKE, US
[72] BAPAT, VIKRAM PADMAKAR, US
[72] SCHULZ, KRISTOFFER S., US
[72] MURILLO, OSCAR E., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-04-24
[86] 2015-11-16 (PCT/US2015/060775)
[87] (WO2016/081326)
[30] US (14/549,496) 2014-11-20

[11] **2,966,505**
[13] C
[51] **Int.Cl. A61K 8/37 (2006.01) A61K 8/02 (2006.01) A61Q 1/14 (2006.01)**
[25] EN
[54] **CLEANSING COMPOSITIONS**
[54] **COMPOSITIONS DE LAVAGE**
[72] GRECO, JOSEPH JAMES, US
[72] KAMINSKI, CLAUDIA, US
[72] MAITRA, PRITHWIRAJ, US
[72] SHAH, SNEHAL M., US
[72] FERRARA, CHRISTOPHER PAUL, US
[73] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2017-05-01
[86] 2015-03-18 (PCT/US2015/021136)
[87] (WO2016/073024)
[30] US (62/074,691) 2014-11-04

[11] **2,968,262**
[13] C
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **ASSEMBLY FOR RETAINING AND SECURING AN OPTICAL CABLE**
[54] **ENSEMBLE POUR RETENIR ET ATTACHER SOLIDEMENT UN CABLE OPTIQUE**
[72] ABBIATI, FABIO, IT
[73] PRYSMIAN S.P.A., IT
[85] 2017-05-18
[86] 2014-11-20 (PCT/EP2014/075207)
[87] (WO2016/078725)

[11] **2,968,616**
[13] C
[51] **Int.Cl. F16H 13/08 (2006.01) F16H 55/32 (2006.01)**
[25] EN
[54] **ROLLER DRIVE**
[54] **ENTRAINEMENT A ROULEAUX**
[72] KLASSEN, JAMES BRENT, CA
[73] GENESIS ADVANCED TECHNOLOGY INC., CA
[85] 2017-05-23
[86] 2015-01-30 (PCT/CA2015/050072)
[87] (WO2015/113163)
[30] US (61/933,522) 2014-01-30

[11] **2,968,876**
[13] C
[51] **Int.Cl. F04C 14/28 (2006.01) F04C 14/06 (2006.01) F04C 15/00 (2006.01) F04C 28/06 (2006.01) F04C 28/28 (2006.01) F25B 49/02 (2006.01) F25D 29/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRESSURE EQUALIZATION IN ROTARY COMPRESSORS**
[54] **METHODE ET APPAREIL D'EGALISATION DE PRESSION DANS LES COMPRESSEURS ROTATIFS**
[72] ULLRICH, BRANDON, US
[72] WANG, WEI, US
[73] LENNOX INDUSTRIES INC., US
[86] (2968876)
[87] (2968876)
[22] 2017-05-30
[30] US (15/495,061) 2017-04-24

[11] **2,969,077**
[13] C
[51] **Int.Cl. B01D 36/00 (2006.01) B01D 29/58 (2006.01) B01D 35/157 (2006.01)**
[25] EN
[54] **A FILTER CARTRIDGE PROVIDED WITH MEANS FOR DRAINING WATER AND A RELATIVE FILTER GROUP**
[54] **CARTOUCHE FILTRANTE MUNIE DE MOYENS DE DRAINAGE DE L'EAU ET GROUPE DE FILTRAGE ASSOCIE**
[72] GIRONDI, GIORGIO, IT
[73] UFI FILTERS S.P.A., IT
[85] 2017-05-26
[86] 2015-11-06 (PCT/IB2015/002116)
[87] (WO2016/087916)
[30] IT (RE2014A000099) 2014-12-01

[11] **2,969,639**
[13] C
[51] **Int.Cl. F01D 17/16 (2006.01) F04D 29/56 (2006.01)**
[25] FR
[54] **RING FOR CONTROLLING A STAGE OF VARIABLE-SETTING VANES FOR A TURBINE ENGINE**
[54] **ANNEAU DE COMMANDE D'UN ETAGE D'AUBES A CALAGE VARIABLE POUR UNE TURBOMACHINE**
[72] EDYNAK, JEREMY, FR
[72] BAZOT, OLIVIER, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-06-02
[86] 2015-11-24 (PCT/FR2015/053182)
[87] (WO2016/092172)
[30] FR (1462120) 2014-12-09

[11] **2,969,658**
[13] C
[51] **Int.Cl. B63H 1/36 (2006.01) B63B 21/56 (2006.01) B63B 35/68 (2006.01) B63H 21/17 (2006.01) B63H 23/00 (2006.01)**
[25] EN
[54] **FIN-BASED WATERCRAFT PROPULSION SYSTEM**
[54] **SYSTEME DE PROPULSION DE VEHICULE MARIN BASE SUR UN AILERON**
[72] GARTHWAITE, MARTIN, US
[72] ABELL, NATHAN, US
[72] HELLRIEGEL, STEPHEN, US
[73] FISHBOAT INCORPORATED, US
[85] 2017-06-02
[86] 2014-12-04 (PCT/US2014/068572)
[87] (WO2015/085071)
[30] US (61/911,888) 2013-12-04
[30] US (61/936,419) 2014-02-06

[11] **2,970,085**
[13] C
[51] **Int.Cl. B60P 1/04 (2006.01) B60P 1/28 (2006.01) B62D 63/06 (2006.01)**
[25] EN
[54] **LATCHING ASSEMBLY FOR A TILT BED TRAILER**
[54] **MECANISME DE VERROUILLAGE DESTINE A UNE REMORQUE A PLATEAU INCLINE**
[72] SELZER, MARK, CA
[72] STRELIC, RAYMOND, CA
[72] SAWCYN, ROD, CA
[73] BRANDT INDUSTRIES LTD., CA
[86] (2970085)
[87] (2970085)
[22] 2017-06-08
[30] CA (2,944,265) 2016-10-05

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[11] **2,970,252**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 40/02 (2012.01) H04W 4/021 (2018.01) G07F 19/00 (2006.01) H04L 9/32 (2006.01) H04M 3/493 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING AN INTERACTION REQUEST AND AN INTERACTION RESPONSE**
[54] **SYSTEME ET METHODE DE TRAITEMENT D'UNE REQUETE D'INTERACTION ET D'UNE REPONSE D'INTERACTION**
[72] D'AGOSTINO, DINO PAUL, CA
[72] JETHWA, RAKESH THOMAS, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[72] TSERETOPOULOS, DEAN C.N., CA
[72] WALIA, SARABJIT SINGH, CA
[72] HARPER, GREGORY RICHARD, CA
[72] MOON, TAE GYUN, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2970252)
[87] (2970252)
[22] 2017-06-12
[30] US (15/282,727) 2016-09-30

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[11] **2,973,778**
[13] C
[51] **Int.Cl. B65G 7/00 (2006.01) B65G 9/00 (2006.01) F16M 11/18 (2006.01) F16M 13/00 (2006.01)**
[25] EN
[54] **A COUNTERBALANCE APPARATUS AND/OR METHOD FOR SUPPORTING A LOAD**
[54] **APPAREIL D'EQUILIBRAGE ET/OU PROCEDE DE SUPPORT DE CHARGE**
[72] BAX, JEFFREY, CA
[72] SHAN, DANDAN, CA
[72] WARING, CHRISTOPHER, CA
[72] FENSTER, AARON, CA
[73] FOCAL HEALTHCARE INC., CA
[85] 2017-07-13
[86] 2015-01-14 (PCT/CA2015/000023)
[87] (WO2016/112452)

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[11] **2,973,940**
[13] C
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PROSTHETIC VALVE WITH AXIALLY-SLIDING FRAMES**
[54] **VALVE PROTHETIQUE AVEC CADRES COULISSANT AXIALEMENT**
[72] HARITON, ILIA, IL
[72] HARARI, BOAZ, IL
[73] CARDIOVALVE LTD., IL
[85] 2017-07-14
[86] 2016-02-03 (PCT/IL2016/050125)
[87] (WO2016/125160)
[30] US (62/112,343) 2015-02-05

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[11] **2,974,341**
[13] C
[51] **Int.Cl. H04N 21/647 (2011.01) H04N 21/238 (2011.01) H04N 21/643 (2011.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING MULTIMEDIA CONTENT**
[54] **PROCEDE ET APPAREIL D'EMISSION ET DE RECEPTION DE CONTENU MULTIMEDIA**
[72] BAE, JAE-HYEON, KR
[72] PARK, KYUNG-MO, KR
[72] SO, YOUNG-WAN, KR
[72] YANG, HYUN-KOO, KR
[72] HWANG, SUNG-HEE, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-07-19
[86] 2016-01-19 (PCT/KR2016/000552)
[87] (WO2016/117908)
[30] KR (10-2015-0008946) 2015-01-19
[30] KR (10-2015-0015547) 2015-01-30

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[11] **2,977,350**
[13] C
[51] **Int.Cl. C07K 16/46 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **BIVALENT ANTIBODY DIRECTED AGAINST NKG2D AND TUMOR ASSOCIATED ANTIGENS**
[54] **ANTICORPS BIVALENT DIRIGE CONTRE NKG2D ET ANTIGENES ASSOCIES A UNE TUMEUR**
[72] YU, JIANHUA, US
[72] CALIGIURI, MICHAEL, US
[72] CHAN, WING KEUNG, US
[73] OHIO STATE INNOVATION FOUNDATION, US
[85] 2017-08-18
[86] 2016-02-22 (PCT/US2016/018955)
[87] (WO2016/134371)
[30] US (62/118,561) 2015-02-20
[30] US (62/119,645) 2015-02-23

[11] **2,978,110**
[13] C
[51] **Int.Cl. E21B 21/12 (2006.01) E21B 4/06 (2006.01) E21B 4/14 (2006.01) E21B 7/18 (2006.01) E21B 10/18 (2006.01) E21B 10/24 (2006.01) E21B 10/36 (2006.01) E21B 10/38 (2006.01)**
[25] EN
[54] **DUAL CIRCULATION FLUID HAMMER DRILLING SYSTEM**
[54] **SYSTEME DE FORAGE AU MARTEAU PERFORATEUR HYDRAULIQUE A DOUBLE CIRCUIT**
[72] SPEER, IAN, AU
[72] STRANGE, WARREN, GB
[73] STRADA DESIGN LIMITED, GB
[85] 2017-08-29
[86] 2015-11-16 (PCT/AU2015/000693)
[87] (WO2016/074025)
[30] AU (2014904589) 2014-11-14

[11] **2,978,178**
[13] C
[51] **Int.Cl. H01L 27/00 (2006.01) G01N 27/414 (2006.01) H01L 27/146 (2006.01) H01L 29/16 (2006.01) H01L 29/417 (2006.01) H01L 29/772 (2006.01) H01L 31/0224 (2006.01) H01L 31/0256 (2006.01) H01L 49/02 (2006.01)**
[25] EN
[54] **AN APPARATUS COMPRISING A SENSOR ARRANGEMENT AND ASSOCIATED FABRICATION METHODS**
[54] **APPAREIL COMPRENANT UN AGENCEMENT DE CAPTEURS ET PROCEDES DE FABRICATION ASSOCIES**
[72] WHITE, RICHARD, GB
[72] ALLEN, MARK, GB
[73] EMBERION OY, FI
[85] 2017-08-29
[86] 2016-03-02 (PCT/FI2016/050128)
[87] (WO2016/146884)
[30] EP (15159721.8) 2015-03-18

[11] **2,980,791**
[13] C
[51] **Int.Cl. A61K 8/18 (2006.01) A61K 8/34 (2006.01) A61K 8/81 (2006.01) A61K 8/85 (2006.01) A61K 8/92 (2006.01) A61Q 9/02 (2006.01)**
[25] EN
[54] **SHAVING AID COMPOSITION**
[54] **COMPOSITION D'AIDE AU RASAGE**
[72] BOUSVAROS, GERASIMOS, GR
[72] ANTONIOU, ZOI, GR
[73] BIC-VIOLEX SA, GR
[85] 2017-09-25
[86] 2015-04-10 (PCT/EP2015/057826)
[87] (WO2016/162080)

[11] **2,981,589**
[13] C
[51] **Int.Cl. F25D 3/06 (2006.01) B65D 81/38 (2006.01) F24F 5/00 (2006.01) F25D 17/02 (2006.01)**
[25] EN
[54] **A STORAGE UNIT FOR MAINTAINING A GENERALLY CONSTANT TEMPERATURE**
[54] **UNITE DE STOCKAGE POUR MAINTENIR UNE TEMPERATURE GLOBALEMENT CONSTANTE**
[72] GOLDSTEIN, VLADIMIR, CA
[72] CURRIE, JESSICA, CA
[72] CHONG, ALEXANDER, CA
[73] SUNWELL ENGINEERING COMPANY LIMITED, CA
[85] 2017-10-03
[86] 2015-04-02 (PCT/CA2015/000226)
[87] (WO2015/149159)
[30] US (61/975,289) 2014-04-04

[11] **2,982,178**
[13] C
[51] **Int.Cl. C23F 11/18 (2006.01) C09D 5/08 (2006.01)**
[25] EN
[54] **SOL-GEL COATING COMPOSITIONS INCLUDING CORROSION INHIBITOR-ENCAPSULATED LAYERED METAL PHOSPHATES AND RELATED PROCESSES**
[54] **COMPOSITIONS DE REVETEMENT SOL-GEL COMPORTANT DES COUCHES DE PHOSPHATES METALLIQUES ENCAPSULES DANS UN INHIBITEUR ET PROCEDES ASSOCIES**
[72] IJERI, VIJAYKUMAR S., US
[72] PRAKASH, OM, US
[72] GAYDOS, STEPHEN P., US
[72] SUBASRI, RAGHAVAN, US
[72] RAJU, KALIDINDI RAMACHANDRA SOMA, US
[72] REDDY, DENDI SREENIVAS, US
[73] THE BOEING COMPANY, US
[86] (2982178)
[87] (2982178)
[22] 2017-10-10
[30] US (62/444,203) 2017-01-09
[30] US (15/431,506) 2017-02-13

[11] **2,983,405**
[13] C
[51] **Int.Cl. A22B 5/16 (2006.01) A22C 25/08 (2006.01) A22C 25/12 (2006.01) A22C 25/17 (2006.01) A23N 7/00 (2006.01)**
[25] EN
[54] **AUTOMATIC SKINNING DEVICE**
[54] **DISPOSITIF DE PELAGE AUTOMATIQUE**
[72] BERGMAN, MATTHEW A., US
[72] CATE, STEPHEN H., US
[72] GROSS, JOSEPH A., US
[72] HART, COLIN R., US
[72] JOHNSON, WILLIAM A., US
[72] ROHE, RYAN J., US
[73] MAREL MEAT PROCESSING INC., US
[85] 2017-10-19
[86] 2016-04-06 (PCT/US2016/026128)
[87] (WO2016/171903)
[30] US (62/150,572) 2015-04-21
[30] US (15/075,271) 2016-03-21

[11] **2,983,961**
[13] C
[51] **Int.Cl. B03D 1/02 (2006.01)**
[25] EN
[54] **TREATMENT AND DEWATERING OF OIL SANDS FINE TAILINGS**
[54] **TRAITEMENT ET DESHYDRATATION DE RESIDUS FINS DE SABLES BITUMINEUX**
[72] HOLLANDER, ELCO, CA
[72] OMOTOSO, OLADIPO, CA
[72] MOISAN, BRENT ALLEN, CA
[73] SUNCOR ENERGY INC., CA
[86] (2983961)
[87] (2983961)
[22] 2017-10-27

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[11] **2,984,329**
[13] C
[51] **Int.Cl. G21G 1/02 (2006.01)**
[25] EN
[54] **RADIONUCLIDE GENERATION SYSTEM AND METHOD OF PRODUCING RADIONUCLIDES**
[54] **SYSTEME DE GENERATION DE RADIONUCLEIDES ET PROCEDE DE PRODUCTION DE RADIONUCLEIDES**
[72] RICHTER, THOMAS FABIAN, DE
[72] SYKORA, ALEXANDER, DE
[72] WISTUBA, LOTHAR, DE
[73] FRAMATOME GMBH, DE
[85] 2017-10-30
[86] 2015-04-30 (PCT/EP2015/059525)
[87] (WO2016/173664)

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[11] **2,984,574**
[13] C
[51] **Int.Cl. B23K 26/14 (2014.01) B23K 26/30 (2014.01)**
[25] EN
[54] **MACHINING HEAD**
[54] **TETE D'USINAGE**
[72] RICHERZHAGEN, BERNOLD, CH
[72] ANDEREGG, LUDOVIC, CH
[72] EPPLE, MAXIMILIAN, CH
[72] RICHMANN, ANNIKA, CH
[73] SYNOVA SA, CH
[85] 2017-10-31
[86] 2015-06-12 (PCT/CH2015/000088)
[87] (WO2015/192255)
[30] EP (14405051.5) 2014-06-16

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[11] **2,986,038**
[13] C
[51] **Int.Cl. C08L 67/02 (2006.01) C08J 3/20 (2006.01) C08L 27/16 (2006.01) C08L 83/04 (2006.01) D01F 1/10 (2006.01)**
[25] EN
[54] **USE OF SILICONE CONTENT AND FLUOROPOLYMER ADDITIVES TO IMPROVE PROPERTIES OF POLYMERIC COMPOSITIONS**
[54] **UTILISATION D'ADDITIFS DE POLYMERE FLUORE ET A TENEUR EN SILICONE POUR AMELIORER LES PROPRIETES DE COMPOSITIONS POLYMERES**
[72] AGARWAL, DHRUV, US
[72] JANDRIS, LOUIS JAY, US
[73] ALBANY INTERNATIONAL CORP., US
[85] 2017-11-14
[86] 2016-05-18 (PCT/US2016/033006)
[87] (WO2016/187260)
[30] US (62/163,164) 2015-05-18

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[11] **2,987,032**
[13] C
[51] **Int.Cl. B60L 15/20 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR ELECTRIC VEHICLE AND CONTROL METHOD FOR ELECTRIC VEHICLE**
[54] **DISPOSITIF DE COMMANDE POUR VEHICULE A MOTEUR ELECTRIQUE ET PROCEDE DE COMMANDE POUR VEHICULE A MOTEUR ELECTRIQUE**
[72] SAWADA, AKIRA, JP
[72] ITOU, KEN, JP
[72] NAKAJIMA, TAKASHI, JP
[72] KATSUMATA, YUJI, JP
[72] KOMATSU, HIROYUKI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-11-23
[86] 2015-05-26 (PCT/JP2015/065144)
[87] (WO2016/189670)

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[11] **2,988,018**
[13] C
[51] **Int.Cl. C09D 175/04 (2006.01) C09D 175/06 (2006.01)**
[25] EN
[54] **EROSION RESISTANT COATING COMPOSITIONS**
[54] **COMPOSITIONS DE REVETEMENT RESISTANTES A L'EROSION**
[72] HOIAS, MORTEN, NO
[72] SORENSEN, BENEDICTE RIISE, NO
[73] JOTUN A/S, NO
[85] 2017-03-14
[86] 2015-09-18 (PCT/EP2015/071473)
[87] (WO2016/042143)
[30] EP (14185670.8) 2014-09-19

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[11] **2,988,442**
[13] C
[51] **Int.Cl. B25H 3/02 (2006.01) A47B 67/04 (2006.01) B65D 21/032 (2006.01)**
[25] EN
[54] **STORAGE CONTAINER**
[54] **RECEPTACLE DE RANGEMENT**
[72] WOLLE, LUTZ, DE
[72] BARABEISCH, MARKUS, DE
[73] TTS TOOLTECHNIC SYSTEMS AG & CO. KG, DE
[85] 2017-11-30
[86] 2015-07-24 (PCT/EP2015/066974)
[87] (WO2017/016571)

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[11] **2,988,794**
[13] C
[51] **Int.Cl. E21B 44/00 (2006.01)**
[25] EN
[54] **CHARACTERIZATION OF WHIRL DRILLING DYSFUNCTION**
[54] **CARACTERISATION D'UN DYSFONCTIONNEMENT DE FORAGE TOURBILLONNAIRE**
[72] ZHA, YANG, US
[72] ANNO, PHIL D., US
[72] CHIU, STEPHEN K., US
[73] CONOCOPHILLIPS COMPANY, US
[85] 2017-12-07
[86] 2016-06-17 (PCT/US2016/038167)
[87] (WO2016/205706)
[30] US (62/181,559) 2015-06-18
[30] US (15/186,012) 2016-06-17

[11] **2,988,873**
[13] C
[51] **Int.Cl. F16L 55/163 (2006.01) F16L 55/18 (2006.01)**
[25] EN
[54] **PROTRUSION PATCH, METHOD OF INSTALLATION AND USE, AND MEASUREMENT OF QUALITY**
[54] **PIECE EN SAILLIE, METHODE D'INSTALLATION ET UTILISATION, ET MESURE DE LA QUALITE**
[72] MCKAIGUE, SHAUN, CA
[72] RAMSAY, GERRY, CA
[73] FER-PAL CONSTRUCTION LTD., CA
[86] (2988873)
[87] (2988873)
[22] 2017-12-14
[30] US (62434206) 2016-12-14

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[11] **2,992,703**
[13] C
[51] **Int.Cl. B32B 27/32 (2006.01) B65D 23/08 (2006.01) G09F 3/04 (2006.01)**
[25] EN
[54] **HEAT-SHRINKABLE MULTI-LAYER FILM**
[54] **FILM MULTICOUCHE THERMORETRACTABLE**
[72] OHNO, NAOKI, JP
[72] TANAKA, TADAYOSHI, JP
[73] GUNZE LIMITED, JP
[85] 2018-01-16
[86] 2016-09-27 (PCT/JP2016/078481)
[87] (WO2017/061308)
[30] JP (2015-197420) 2015-10-05

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[11] **2,994,441**
[13] C
[51] **Int.Cl. F04B 9/10 (2006.01) F04B 13/02 (2006.01) F04B 43/067 (2006.01)**
[25] FR
[54] **SUPERVISED PROPORTIONAL METERING DEVICE AND METHODS FOR MONITORING A METERING PUMP**
[54] **DISPOSITIF DE DOSAGE PROPORTIONNEL SUPERVISE ET PROCEDES DE SUPERVISION D'UNE POMPE DOSEUSE**
[72] LUCAS, GREGORY, FR
[72] CHARRIERE, CHRISTOPHE, FR
[73] DOSATRON INTERNATIONAL, FR
[85] 2018-01-31
[86] 2016-07-13 (PCT/IB2016/054171)
[87] (WO2017/021801)
[30] FR (15 57578) 2015-08-06

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[11] **2,996,718**
[13] C
[51] **Int.Cl. E21B 17/00 (2006.01) E21B 17/042 (2006.01)**
[25] EN
[54] **MULTI-LEAD QUICK CONNECT THREADED CONNECTION**
[54] **MULTI-CONDUCTEUR A CONNEXION FILETEE RAPIDE**
[72] ADKINS, GREGORY LYNN, US
[73] HUNTING ENERGY SERVICES, LLC, US
[85] 2018-02-27
[86] 2016-06-27 (PCT/US2016/039557)
[87] (WO2017/044175)
[30] US (62/216,596) 2015-09-10
[30] US (15/148,057) 2016-05-06

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[11] **2,996,940**
[13] C
[51] **Int.Cl. B01J 23/70 (2006.01) B01J 23/745 (2006.01) D01F 9/127 (2006.01)**
[25] EN
[54] **A PROCESS OF CONTROLLING THE MORPHOLOGY OF GRAPHITE**
[54] **PROCEDE DE CONTROLE DE LA MORPHOLOGIE DE GRAPHITE**
[72] CORNEJO, ANDREW, AU
[72] LU, HAIBO, AU
[72] CHUA, HUI TONG, AU
[73] HAZER GROUP LIMITED, AU
[85] 2018-02-23
[86] 2016-08-26 (PCT/AU2016/000298)
[87] (WO2017/031529)
[30] AU (2015903458) 2015-08-26

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[11] **2,998,588**
[13] C
[51] **Int.Cl. G09B 9/00 (2006.01) A63B 69/00 (2006.01) E04B 2/74 (2006.01) E04H 1/12 (2006.01)**
[25] EN
[54] **SIMULATOR FOR TRAINING IN ENVIRONMENTS CONFINED AND / OR SUSPECTED OF POLLUTION**
[54] **SIMULATEUR D'ENTRAINEMENT DANS LES ENVIRONNEMENTS CONFINES OU SOUPCONNES D'ETRE POLLUES**
[72] DI DONATO, LUCIANO, IT
[73] ISTITUTO NAZIONALE PER L'ASSICURAZIONE CONTRO GLI INFORTUNI SUL LAVORO - INAIL, IT
[86] (2998588)
[87] (2998588)
[22] 2018-03-19
[30] IT (10 2017 000035950) 2017-03-31

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[11] **2,998,750**
[13] C
[51] **Int.Cl. G01N 21/67 (2006.01)**
[25] EN
[54] **SOLUTION CATHODE GLOW DISCHARGE ELEMENTAL ANALYSIS**
[54] **ANALYSE ELEMENTAIRE DE DECHARGE LUMINESCENTE DE SOLUTION CATHODE**
[72] SCHROEDER, STUART GARTH, CA
[72] GARVER, THEODORE MEYER, CA
[72] PASTUSHAK, PAUL PETER, CA
[73] INNOTECH ALBERTA INC., CA
[85] 2018-03-15
[86] 2016-09-23 (PCT/CA2016/051121)
[87] (WO2017/049410)
[30] US (62/232,041) 2015-09-24

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[11] **3,000,609**
[13] C
[51] **Int.Cl. C07F 19/00 (2006.01) C07B 61/00 (2006.01) C07F 9/50 (2006.01) C07F 15/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING RUTHENIUM COMPLEX**
[54] **PROCEDE DE PRODUCTION D'UN COMPLEXE DE RUTHENIUM**
[72] NAKAYAMA, YUJI, JP
[73] TAKASAGO INTERNATIONAL CORPORATION, JP
[85] 2018-03-29
[86] 2016-09-09 (PCT/JP2016/076564)
[87] (WO2017/056916)
[30] JP (2015-193552) 2015-09-30

[11] **3,001,704**
[13] C
[51] **Int.Cl. D03D 15/513 (2021.01) D02G 3/44 (2006.01) D03D 1/00 (2006.01)**
[25] EN
[54] **LIGHTWEIGHT, PRINTABLE FLAME RESISTANT FABRICS SUITABLE FOR PROTECTIVE CLOTHING WORN IN HOT AND/OR HUMID ENVIRONMENTS**
[54] **TISSUS ININFLAMMABLES, IMPRIMABLES, LEGERS APPROPRIES POUR UN VETEMENT DE PROTECTION PORTE DANS DES ENVIRONNEMENTS CHAUDS ET/OU HUMIDES**
[72] STANHOPE, MICHAEL T., US
[72] THORNE, TIMOTHY JAMES, US
[72] DUNN, CHARLES S., US
[73] SOUTHERN MILLS, INC., US
[85] 2018-04-11
[86] 2016-10-21 (PCT/US2016/058202)
[87] (WO2017/070529)
[30] US (62/244,337) 2015-10-21

[11] **3,002,824**
[13] C
[51] **Int.Cl. E03C 1/04 (2006.01) E03C 1/05 (2006.01) F16K 31/02 (2006.01) F16K 31/46 (2006.01) F16K 31/60 (2006.01) G05D 7/00 (2006.01) G05G 9/04 (2006.01)**
[25] EN
[54] **USER INTERFACE FOR A FAUCET**
[54] **INTERFACE UTILISATEUR DE ROBINET**
[72] CIPRIANI, MARK A., US
[72] VEROS, MICHAEL J., US
[72] HUFFINGTON, TODD ANDREW, US
[72] SCHMITT, JEREMY, US
[72] ANDREW, MERCEDITA, US
[72] SAWASKI, JOEL D., US
[72] ROSKO, MICHAEL SCOT, US
[72] LABRIE, RAOUL, US
[73] DELTA FAUCET COMPANY, US
[86] (3002824)
[87] (3002824)
[22] 2018-04-25
[30] US (62/490,585) 2017-04-26

[11] **3,003,036**
[13] C
[51] **Int.Cl. B32B 37/10 (2006.01) B29C 43/24 (2006.01) B29D 29/06 (2006.01) B30B 5/06 (2006.01) B32B 37/24 (2006.01) B65G 15/34 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING A CONVEYOR BELT**
[54] **PROCEDE DE FABRICATION DE BANDE TRANSPORTEUSE**
[72] MAGUIRE, DAVID J., US
[72] SI, MAYU, US
[72] PERO, GREGORY, US
[73] CONTITECH TRANSPORTBANDSYSTEME GMBH, DE
[85] 2018-04-23
[86] 2016-10-27 (PCT/US2016/059082)
[87] (WO2017/075199)
[30] US (62/247,427) 2015-10-28

[11] **3,003,597**
[13] C
[51] **Int.Cl. H04W 8/26 (2009.01) H04W 16/04 (2009.01) H04W 16/14 (2009.01)**
[25] EN
[54] **ELASTIC SCHEDULING**
[54] **PLANIFICATION ELASTIQUE**
[72] MISHRA, RAJESH, US
[72] PAPA, STEVEN, US
[72] AGARWAL, KAITKI, US
[72] DONEPUDI, SRIDHAR, US
[73] PARALLEL WIRELESS, INC., US
[85] 2018-04-27
[86] 2016-10-31 (PCT/US2016/059799)
[87] (WO2017/075625)
[30] US (62/249,210) 2015-10-31

[11] **3,003,920**
[13] C
[51] **Int.Cl. B01D 53/94 (2006.01) F01N 3/28 (2006.01)**
[25] EN
[54] **METHANE OXIDATION CATALYST AND METHOD OF USING SAME**
[54] **CATALYSEUR D'OXYDATION DU METHANE ET SON PROCEDE D'UTILISATION**
[72] CARAVAGGIO, GIANNI, CA
[72] NOSSOVA, LIOUDMILA, CA
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES CANADA, CA
[85] 2018-05-02
[86] 2016-10-19 (PCT/CA2016/051209)
[87] (WO2017/079826)
[30] US (62/254,241) 2015-11-12

[11] **3,004,606**
[13] C
[51] **Int.Cl. A61K 8/04 (2006.01) A45D 40/26 (2006.01) A45D 44/00 (2006.01) A61K 8/02 (2006.01) A61K 8/29 (2006.01) A61K 8/81 (2006.01) A61Q 1/02 (2006.01) B41J 3/407 (2006.01)**
[25] EN
[54] **PRINTER COMPOSITIONS AND THEIR USE ON HUMAN SKIN**
[54] **COMPOSITIONS D'IMPRESSION ET LEUR UTILISATION SUR LA PEAU HUMAINE**
[72] LINGOES, JANETTE VILLALOBOS, US
[72] RABE, THOMAS ELLIOT, US
[72] STRIEMER, GRANT EDWARD ANDERS, US
[72] HA, ROBERT BAO KIM, US
[72] KUHLMAN, DENNIS EUGENE, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-07
[86] 2016-12-06 (PCT/US2016/065051)
[87] (WO2017/100150)
[30] US (14/961,073) 2015-12-07

[11] **3,007,159**
[13] C
[51] **Int.Cl. G01N 21/78 (2006.01) G01N 1/30 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REAL TIME ASSAY MONITORING**
[54] **SYSTEME ET PROCEDE POUR SURVEILLANCE DE TEST EN TEMPS REEL**
[72] SEPULVEDA, JAVIER A. PEREZ, US
[72] CHENG, YU-HENG, US
[72] DUQUETTE, SETAREH, US
[72] JONES, LISA A., US
[72] LIN, CHIH-CHING, US
[73] VENTANA MEDICAL SYSTEMS, INC., US
[85] 2018-06-01
[86] 2016-12-22 (PCT/EP2016/082377)
[87] (WO2017/114749)
[30] US (62/273,232) 2015-12-30
[30] US (62/430,826) 2016-12-06

[11] **3,007,858**
[13] C
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/31 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **INJECTION DEVICE FOR INJECTING DOSED AMOUNTS OF A LIQUID THERAPEUTIC AGENT**
[54] **DISPOSITIF D'INJECTION PERMETTANT D'INJECTER DES QUANTITES DOSEES D'UN FLUIDE THERAPEUTIQUE**
[72] BENTRUP, MARKUS, DE
[72] SCHILDT, JANKO, DE
[73] EMPERRA GMBH E-HEALTH TECHNOLOGIES, DE
[85] 2018-06-08
[86] 2016-11-17 (PCT/EP2016/078017)
[87] (WO2017/097560)
[30] DE (10 2015 121 409.1) 2015-12-09

[11] **3,008,421**
[13] C
[51] **Int.Cl. C07K 14/435 (2006.01) C09K 11/07 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **COMPOSITIONS WITH THERMOLABILE DYES**
[54] **COMPOSITIONS AYANT DES COLORANTS THERMOLABILES**
[72] HEINDL, DIETER, DE
[72] KIRZINGER, HANNES, DE
[72] MEIER, THOMAS, DE
[72] NELSON, CHRISTOPHER, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-06-13
[86] 2016-12-22 (PCT/EP2016/082391)
[87] (WO2017/109077)
[30] US (62/271,211) 2015-12-22

[11] **3,008,907**
[13] C
[51] **Int.Cl. C08K 3/10 (2018.01) C08L 95/00 (2006.01)**
[25] EN
[54] **SCAVENGER COMPOSITIONS FOR SULFUR SPECIES**
[54] **COMPOSITIONS DE PIEGEAGE POUR ESPECES SULFUREUSES**
[72] ONNEMBO, GIOVANNI, US
[72] MARTIN, JEAN-VALERY, US
[72] CARTON, WILLIAM, US
[72] OLANIPEKUN, EVELYN, US
[72] KEMPTON, KEVIN M., US
[72] IBRAIMI, ARBNOR, US
[73] INNOPHOS, INC., US
[85] 2018-06-15
[86] 2017-01-06 (PCT/US2017/012468)
[87] (WO2017/120430)
[30] US (62/276,472) 2016-01-08

[11] **3,011,602**
[13] C
[51] **Int.Cl. H01L 25/075 (2006.01) H01L 33/50 (2010.01)**
[25] EN
[54] **LED FILAMENT**
[54] **FILAMENT DE DIODE ELECTROLUMINESCENTE (DEL)**
[72] JIANG, TAO, CN
[72] LI, LIQIN, CN
[73] JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO., LTD, CN
[85] 2018-07-16
[86] 2016-12-14 (PCT/CN2016/109891)
[87] (WO2017/101783)
[30] CN (201510966906.3) 2015-12-19
[30] CN (201610041667.5) 2016-01-22
[30] CN (201610272153.0) 2016-04-27
[30] CN (201610281600.9) 2016-04-29
[30] CN (201610394610.3) 2016-06-03
[30] CN (201610544049.2) 2016-07-07
[30] CN (201610586388.7) 2016-07-22
[30] CN (201610936171.4) 2016-11-01
[30] CN (201611108722.4) 2016-12-06

[11] **3,012,284**
[13] C
[51] **Int.Cl. A01K 43/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD TO DETECT UPSIDE DOWN EGGS**
[54] **APPAREIL ET PROCEDE DE DETECTION D'□UFS DISPOSES A L'ENVERS**
[72] MALET, BERTRAND, FR
[72] TRUBUIL, LAURA, FR
[72] ANDRIAMIARISOA, MAHARAVO, FR
[73] EGG-CHICK AUTOMATED TECHNOLOGIES, FR
[85] 2018-07-23
[86] 2017-02-07 (PCT/IB2017/000160)
[87] (WO2017/137837)
[30] US (62/292,554) 2016-02-08

[11] **3,012,693**
[13] C
[51] **Int.Cl. C12N 5/10 (2006.01) C12N 15/113 (2010.01) C12Q 1/6897 (2018.01) A01K 67/027 (2006.01) C07K 14/515 (2006.01) C07K 14/575 (2006.01) C12N 15/16 (2006.01) C12N 15/18 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **NON-HUMAN ANIMALS HAVING AN ENGINEERED ANGPTL8 GENE**
[54] **ANIMAUX NON HUMAINS POSSEDANT UN GENE ANGPTL8 MODIFIE**
[72] GUSAROVA, VIKTORIA, US
[72] MURPHY, ANDREW J., US
[72] GROMADA, JESPER, US
[72] GUO, DAYONG, US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2018-07-25
[86] 2017-02-03 (PCT/US2017/016487)
[87] (WO2017/136712)
[30] US (62/291,446) 2016-02-04

[11] **3,012,894**
[13] C
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/744 (2015.01)**
[25] FR
[54] **BACTERIAL STRAIN AS AGENTS FOR PREVENTING AND/OR TREATING RESPIRATORY DISORDERS**
[54] **SOUCHE BACTERIENNE COMME AGENTS DE PREVENTION ET/OU DE TRAITEMENT DE PATHOLOGIES RESPIRATOIRES**
[72] THOMAS, MURIEL, FR
[72] REMOT-BRIZION, AUDE, FR
[72] LANGELLA, PHILIPPE, FR
[73] INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, FR
[85] 2018-07-25
[86] 2017-01-27 (PCT/EP2017/051839)
[87] (WO2017/129787)
[30] FR (1650656) 2016-01-27

[11] **3,013,883**
[13] C
[51] **Int.Cl. G01R 29/08 (2006.01) G01R 31/34 (2020.01)**
[25] EN
[54] **THREE-DIMENSIONAL SURFACE POTENTIAL DISTRIBUTION MEASUREMENT SYSTEM**
[54] **SYSTEME DE MESURE DE DISTRIBUTION DE POTENTIEL DE SURFACE TRIDIMENSIONNEL**
[72] FURUKAWA, MASAAKI, JP
[72] YOSHIMITSU, TETSUO, JP
[72] TSUBOI, YUICHI, JP
[72] HIDAKA, KUNIHIKO, JP
[72] KUMADA, AKIKO, JP
[72] IKEDA, HISATOSHI, JP
[73] TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION, JP
[73] THE UNIVERSITY OF TOKYO, JP
[85] 2018-08-07
[86] 2016-02-08 (PCT/JP2016/000643)
[87] (WO2017/138034)

[11] **3,014,041**
[13] C
[51] **Int.Cl. D03D 41/00 (2006.01)**
[25] EN
[54] **WEAVING MULTILAYER PRODUCTS USING MULTIPLE WARP COLUMNS AND HEDDLE COLUMNS**
[54] **TISSAGES DE PRODUITS MULTICOUCHES GRACE A DE MULTIPLES COLONNES DE CHAINE ET COLONNES DE LISSE**
[72] OUELLETTE, KENNETH, US
[72] GOERING, JONATHAN, US
[73] ALBANY ENGINEERED COMPOSITES, INC., US
[85] 2018-08-08
[86] 2017-02-02 (PCT/US2017/016191)
[87] (WO2017/139167)
[30] US (15/019,137) 2016-02-09

[11] **3,014,862**
[13] C
[51] **Int.Cl. C22C 38/40 (2006.01) B01J 19/02 (2006.01) B23K 9/04 (2006.01) B23K 35/30 (2006.01) C22C 30/00 (2006.01) C22C 19/05 (2006.01) C22C 27/06 (2006.01)**
[25] EN
[54] **TUBE BODY THAT IS TO BE USED IN HIGH-TEMPERATURE ATMOSPHERE AND METHOD FOR FORMING METAL OXIDE LAYER ON INNER SURFACE OF TUBE BODY**
[54] **CORPS TUBULAIRE UTILISE SOUS UNE ATMOSPHERE A HAUTE TEMPERATURE ET PROCEDE DE FORMATION D'UNE COUCHE D'OXYDE METALLIQUE SUR LA SURFACE INTERNE D'UN CORPS TUBULAIRE**
[72] MATSUBARA, MOTOYUKI, JP
[72] HASHIMOTO, KUNIHIDE, JP
[72] YAMAGUCHI, HIROSHI, JP
[72] TOMITA, MASAYUKI, JP
[73] KUBOTA CORPORATION, JP
[85] 2018-08-16
[86] 2017-10-04 (PCT/JP2017/036071)
[87] (WO2018/088070)
[30] JP (2016-219087) 2016-11-09

[11] **3,019,070**
[13] C
[51] **Int.Cl. E04C 2/296 (2006.01) E04B 2/00 (2006.01) E04C 2/24 (2006.01) E04C 2/38 (2006.01) E04C 3/29 (2006.01)**
[25] EN
[54] **STUD, AND FIBER REINFORCED POLYMERIC BUILDING PANEL INCLUDING SUCH STUD**
[54] **MONTANT ET PANNEAU DE CONSTRUCTION POLYMERIQUE RENFORCE DE FIBRE COMPORTANT LEDIT MONTANT**
[72] SCHIFFMANN, GLENN P., US
[72] SCHIFFMANN, GERHARD P., US
[72] WOJTUSIK, DANIEL, US
[73] COMPOSITE PANEL SYSTEMS, LLC, US
[86] (3019070)
[87] (3019070)
[22] 2011-10-11
[62] 2,823,419
[30] US (61/404,793) 2010-10-08

[11] **3,019,417**
[13] C
[51] **Int.Cl. F16K 11/087 (2006.01) F16K 5/06 (2006.01) F16K 5/08 (2006.01)**
[25] EN
[54] **SPHERICAL DIVERTER VALVE**
[54] **INVERSEUR SPHERIQUE**
[72] CARTER, DAN, US
[73] COLDFIRE, INC., US
[86] (3019417)
[87] (3019417)
[22] 2018-10-02
[30] US (15/729,379) 2017-10-10

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[11] **3,019,905**
[13] C
[51] **Int.Cl. C07D 498/18 (2006.01) A61K 31/439 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF LORLATINIB MALEATE**
[54] **FORMES CRISTALLINES DE MALEATE DE LORLATINIB**
[72] PENCHEVA, KLIMENTINA DIMITROVA, GB
[73] PFIZER INC., US
[85] 2018-10-03
[86] 2017-03-27 (PCT/IB2017/051739)
[87] (WO2017/175091)
[30] US (62/320,305) 2016-04-08

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[11] **3,024,006**
[13] C
[51] **Int.Cl. G01T 3/00 (2006.01) G01V 5/00 (2006.01)**
[25] EN
[54] **METHOD OF OPERATIONAL STATUS VERIFICATION FOR A NEUTRON DETECTING DEVICE**
[54] **PROCEDE DE VERIFICATION D'ETAT OPERATIONNEL POUR UN DISPOSITIF DE DETECTION DE NEUTRONS**
[72] IWATSCHENKO-BORHO, MICHAEL, DE
[72] LOEW, REINHARD, DE
[73] THERMO FISHER SCIENTIFIC MESSTECHNIK GMBH, DE
[85] 2018-11-13
[86] 2017-05-22 (PCT/EP2017/062313)
[87] (WO2017/202794)
[30] US (15/163,212) 2016-05-24

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[11] **3,025,968**
[13] C
[51] **Int.Cl. E21B 7/02 (2006.01) E04H 12/34 (2006.01) E21B 15/00 (2006.01)**
[25] EN
[54] **SIDE SADDLE SLINGSHOT DRILLING RIG**
[54] **APPAREIL DE FORAGE A CATAPULTE A SELLE LATERALE**
[72] REDDY, PADIRA, US
[72] GUPTA, ASHISH, US
[73] NABORS DRILLING TECHNOLOGIES USA, INC., US
[85] 2018-11-28
[86] 2017-06-06 (PCT/US2017/036156)
[87] (WO2017/214148)
[30] US (62/346,982) 2016-06-07

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[11] **3,026,613**
[13] C
[51] **Int.Cl. E21B 33/13 (2006.01) E21B 37/00 (2006.01)**
[25] EN
[54] **A METHOD OF PLUGGING AND ABANDONING A WELL**
[54] **PROCEDE D'OBTURATION ET D'ABANDON D'UN PUITS**
[72] MYHRE, MORTEN, NO
[72] LARSEN, ARNE GUNNAR, NO
[72] JENSEN, ROY INGE, NO
[72] ANDERSEN, PATRICK, NO
[72] OSTVOLD, ARNOLD, NO
[72] DAHL, ARNT OLAV, NO
[73] HYDRA SYSTEMS AS, NO
[85] 2018-12-05
[86] 2016-06-01 (PCT/NO2016/050112)
[87] (WO2016/200269)
[30] NO (20150744) 2015-06-10

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[11] **3,027,413**
[13] C
[51] **Int.Cl. E04F 13/08 (2006.01) E04F 19/02 (2006.01)**
[25] EN
[54] **REVEAL DEVICE FOR A PANEL SYSTEM**
[54] **DISPOSITIF A ANGLE RENTRAIT POUR UN SYSTEME DE PANNEAUX**
[72] SIMONSEN, DAVID, US
[73] FAIRVIEW ARCHITECTURAL, LLC, US
[86] (3027413)
[87] (3027413)
[22] 2018-12-13

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[11] **3,027,927**
[13] C
[51] **Int.Cl. B05B 11/00 (2006.01)**
[25] EN
[54] **DISPENSER WITH VENTILATION FILTER**
[54] **DISTRIBUTEUR DOSEUR COMPRENANT UN FILTRE DE VENTILATION**
[72] FISCHER, FRIEDRICH, DE
[73] FISCHER, FRIEDRICH, DE
[85] 2018-12-14
[86] 2017-07-12 (PCT/EP2017/067557)
[87] (WO2018/019592)
[30] DE (10 2016 113 673.5) 2016-07-25

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[11] **3,028,239**
[13] C
[51] **Int.Cl. A61B 17/12 (2006.01)**
[25] EN
[54] **IMPLANT WITH DETACHMENT MECHANISM**
[54] **IMPLANT COMPORTANT UN MECANISME DE SEPARATION**
[72] HENKES, HANS, DE
[72] MONSTADT, HERMANN, DE
[72] HANNES, RALF, DE
[73] PHENOX GMBH, DE
[85] 2018-12-17
[86] 2017-06-14 (PCT/EP2017/064530)
[87] (WO2017/220400)
[30] DE (10 2016 111 568.1) 2016-06-23

---

[11] **3,031,090**
[13] C
[51] **Int.Cl. H02M 1/10 (2006.01) H02J 1/00 (2006.01) H02M 3/135 (2006.01) H02M 7/155 (2006.01)**
[25] EN
[54] **CIRCUIT FOR CONVERTING AN AC OR A DC ELECTRICAL INPUT INTO A DC ELECTRICAL OUTPUT**
[54] **CIRCUIT DE CONVERSION D'UNE ENTREE ELECTRIQUE CA OU CC EN UNE SORTIE ELECTRIQUE CC**
[72] COURCY, CLAUDE, CA
[73] MANIA-TRONIQUE 1993 INC., CA
[86] (3031090)
[87] (3031090)
[22] 2019-01-23
[30] US (62/631,275) 2018-02-15

[11] **3,031,708**
[13] C
[51] **Int.Cl. C25C 3/16 (2006.01) C25C 3/08 (2006.01)**
[25] EN
[54] **CATHODE ASSEMBLY FOR THE PRODUCTION OF ALUMINUM**
[54] **ENSEMBLE CATHODE POUR LA PRODUCTION D'ALUMINIUM**
[72] SUM, ELAINE, DE
[72] PFEFFER, MARKUS, DE
[72] PFEFFERER, FLORIAN, DE
[72] VERA-GARCIA, OSCAR, DE
[72] MINKINA, MARIUSZ, DE
[72] MIELNIK, SEWERYN, DE
[73] TOKAI COBEX GMBH, DE
[85] 2019-01-23
[86] 2017-07-26 (PCT/EP2017/068933)
[87] (WO2018/019910)
[30] DE (10 2016 213 712.3) 2016-07-26

[11] **3,033,280**
[13] C
[51] **Int.Cl. A63F 1/12 (2006.01) A63F 1/14 (2006.01)**
[25] EN
[54] **CARD HANDLING DEVICES AND RELATED ASSEMBLIES AND COMPONENTS**
[54] **DISPOSITIFS DE MANIPULATION DE CARTES ET ENSEMBLES ET COMPOSANTS ASSOCIES**
[72] HELSEN, COLIN A., AU
[72] KRENN, PETER, AT
[73] SHUFFLE MASTER GMBH & CO KG, AT
[85] 2019-02-07
[86] 2017-09-21 (PCT/EP2017/073865)
[87] (WO2018/055020)
[30] US (62/399,980) 2016-09-26
[30] US (15/365,610) 2016-11-30

[11] **3,033,751**
[13] C
[51] **Int.Cl. F16G 11/12 (2006.01) B60P 7/06 (2006.01)**
[25] EN
[54] **TENSIONING DEVICE**
[54] **UN DISPOSITIF DE TRACTION**
[72] LORAINE, REGINALD R., CA
[73] LORAINE, REGINALD R., CA
[86] (3033751)
[87] (3033751)
[22] 2019-02-14

[11] **3,034,429**
[13] C
[51] **Int.Cl. A47B 53/02 (2006.01) A47B 96/00 (2006.01) B65G 1/02 (2006.01)**
[25] EN
[54] **MOBILE STORAGE SYSTEM WITH DIRECT WIRELESS CONNECTIVITY**
[54] **SYSTEME DE RANGEMENT MOBILE EQUIPE DE CONNECTIVITE SANS FIL DIRECTE**
[72] BOURKE, BRIAN PATRICK, US
[72] WIPPERFURTH, ERIC JAMES, US
[73] SPACESAVER CORPORATION, US
[86] (3034429)
[87] (3034429)
[22] 2019-02-20
[30] US (62/633,173) 2018-02-21
[30] US (16/274,388) 2019-02-13

[11] **3,036,265**
[13] C
[51] **Int.Cl. G06F 40/20 (2020.01) G06N 20/00 (2019.01) G06F 40/174 (2020.01) G06F 40/30 (2020.01) H04L 12/12 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **MACHINE LEARNING AUTO COMPLETION OF FIELDS**
[54] **AUTO REMPLISSAGE DE CHAMPS PAR APPRENTISSAGE MACHINE**
[72] JAYARAMAN, BASKAR, US
[73] SERVICENOW, INC., US
[86] (3036265)
[87] (3036265)
[22] 2017-09-29
[62] 2,980,835
[30] US (62/501,646) 2017-05-04
[30] US (62/501,657) 2017-05-04
[30] US (62/502,244) 2017-05-05
[30] US (62/502,258) 2017-05-05
[30] US (62/502,308) 2017-05-05
[30] US (62/502,440) 2017-05-05
[30] US (15/674,353) 2017-08-10

[11] **3,037,130**
[13] C
[51] **Int.Cl. B62D 55/084 (2006.01)**
[25] EN
[54] **TRACTION ASSEMBLY FOR VEHICLE**
[54] **ENSEMBLE DE TRACTION POUR VEHICULE**
[72] BESSETTE, ROBERT, CA
[72] HANDFIELD, ROBERT, CA
[73] KIMPEX INC., CA
[86] (3037130)
[87] (3037130)
[22] 2011-03-24
[62] 2,735,095

[11] **3,037,237**
[13] C
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/30 (2016.01) A61B 90/50 (2016.01) A61C 1/00 (2006.01)**
[25] EN
[54] **TRACKING AND GUIDANCE ARRANGEMENT FOR A SURGICAL ROBOT SYSTEM AND RELATED METHOD**
[54] **AGENCEMENT DE SUIVI ET DE GUIDAGE POUR UN SYSTEME DE ROBOT CHIRURGICAL ET PROCEDE ASSOCIE**
[72] MOZES, ALON, US
[72] VAISH, SARVAGYA, US
[72] COLE, DAVID PETER, US
[72] ANDERSON, RYAN, US
[72] HE, WUWEI, US
[72] SALCEDO, JUAN, US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[73] NEOCIS INC., US
[85] 2019-03-18
[86] 2017-09-14 (PCT/IB2017/055584)
[87] (WO2018/051276)
[30] US (15/269,449) 2016-09-19

[11] **3,038,928**
[13] C
[51] **Int.Cl. F23N 5/00 (2006.01) F23D 14/72 (2006.01) F23M 11/04 (2006.01) F24D 19/10 (2006.01)**
[25] EN
[54] **HIGH TURNDOWN BOILER AND SYSTEM AND METHOD FOR CONTROLLING A BOILER**
[54] **CHAUDIERE A MARGE DE REGLAGE EFFECTIVE ELEVEE ET SYSTEME ET METHODE DE CONTROLE D'UNE CHAUDIERE**
[72] COHEN, KENNETH W,, US
[72] CROTEAU, BLAKE E., US
[73] MESTEK, INC., US
[86] (3038928)
[87] (3038928)
[22] 2019-04-03
[30] US (62/651,886) 2018-04-03

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[11] **3,039,666**
[13] C
[51] **Int.Cl. G01S 7/481 (2006.01) G01S 17/931 (2020.01) C09D 5/33 (2006.01) G01S 17/02 (2020.01) G01S 17/93 (2020.01)**
[25] EN
[54] **COATINGS FOR INCREASING NEAR-INFRARED DETECTION DISTANCES**
[54] **REVETEMENTS D'AUGMENTATION DES DISTANCES DE DETECTION PROCHE INFRAROUGE**
[72] DECKER, ELDON L., US
[72] HELLRING, STUART D., US
[72] HOLSING, LUANN, US
[72] KRUSZEWSKI, KRISTEN M., US
[72] MCQUOWN, STEPHEN G., US
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2019-04-05
[86] 2017-10-27 (PCT/US2017/058832)
[87] (WO2018/081613)
[30] US (62/414,065) 2016-10-28

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[11] **3,040,515**
[13] C
[51] **Int.Cl. A61K 8/18 (2006.01) A61Q 5/10 (2006.01) A61Q 5/12 (2006.01)**
[25] EN
[54] **HAIR COLORING KIT AND METHODS OF USE AND DOING BUSINESS**
[54] **KIT DE COLORATION CAPILLAIRE ET PROCEDES D'UTILISATION ET D'EXPLOITATION COMMERCIALE**
[72] MCKENZIE, CYNTHIA, US
[72] FISHER, MATTHEW, US
[73] MCKENZIE, CYNTHIA, US
[85] 2019-04-12
[86] 2017-10-19 (PCT/US2017/057457)
[87] (WO2018/075806)
[30] US (62/410,063) 2016-10-19
[30] US (62/550,185) 2017-08-25

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[11] **3,041,700**
[13] C
[51] **Int.Cl. E21B 36/00 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **APPARATUS, METHOD AND WELLBORE INSTALLATION TO MITIGATE HEAT DAMAGE TO WELL COMPONENTS DURING HIGH TEMPERATURE FLUID INJECTION**
[54] **APPAREIL, PROCEDE ET INSTALLATION D`UN PUITS DE FORAGE POUR ATTENUER LES DOMMAGES THERMIQUES AUX COMPOSANTS DU PUITS PENDANT L`INJECTION DE FLUIDE A TEMPERATURE ELEVEE**
[72] THOMPSON, DANIEL, CA
[72] KAY, BRIAN, CA
[72] SOPKO, WES, CA
[72] WIEBE, KEVIN, CA
[73] GENERAL ENERGY RECOVERY INC., CA
[86] (3041700)
[87] (3041700)
[22] 2019-04-26

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[11] **3,042,984**
[13] C
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 21/00 (2013.01)**
[25] EN
[54] **BALANCING PUBLIC AND PERSONAL SECURITY NEEDS**
[54] **EQUILIBRAGE DE BESOINS DE SECURITE PUBLIQUE ET PERSONNELLE**
[72] BRICKELL, ERNEST, US
[73] BRICKELL CRYPTOLOGY LLC, US
[85] 2019-05-06
[86] 2016-11-10 (PCT/US2016/061341)
[87] (WO2018/089006)

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[11] **3,044,007**
[13] C
[51] **Int.Cl. B25J 18/00 (2006.01) B25J 9/12 (2006.01) B25J 17/00 (2006.01) B25J 18/02 (2006.01)**
[25] EN
[54] **ROBOTIC ARM ASSEMBLY**
[54] **ASSEMBLAGE DE BRAS ROBOTIQUE**
[72] GRAHAM, ANDREW CRISPIN, GB
[73] GENERAL ELECTRIC COMPANY, US
[86] (3044007)
[87] (3044007)
[22] 2019-05-22
[30] US (15/991,019) 2018-05-29

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[11] **3,044,362**
[13] C
[51] **Int.Cl. G01R 33/00 (2006.01) B03C 1/00 (2006.01) C02F 1/48 (2006.01)**
[25] EN
[54] **WATER CONDITIONER WITH VARIABLE FREQUENCY ELECTROMAGNETIC FIELD**
[54] **CONDITIONNEUR D'EAU AVEC CHAMP ELECTROMAGNETIQUE A FREQUENCE VARIABLE**
[72] ACHARYA, RAJESHKUMAR HARIPRASAD, IN
[72] SHARMA, RAMESHCHANDRA NARAYANLAL, IN
[72] GHADIALI, YUSUF NAZMUDDIN, IN
[73] WEISMACHER ECO PRIVATE LIMITED, IN
[85] 2019-05-17
[86] 2017-11-17 (PCT/IN2017/050539)
[87] (WO2018/092157)
[30] IN (201621039518) 2016-11-19

[11] **3,045,204**
[13] C
[51] **Int.Cl. B32B 3/16 (2006.01) A63B 6/00 (2006.01) B28B 23/00 (2006.01) B29C 70/30 (2006.01) B32B 37/15 (2006.01) E01C 5/00 (2006.01) E01C 15/00 (2006.01)**
[25] EN
[54] **ARTICULATING COMPOSITE SURFACE COVERING MAT AND METHOD OF MAKING**
[54] **TAPIS DE REVETEMENT DE SURFACE EN COMPOSITE A ARTICULATION ET METHODE DE FABRICATION**
[72] RICCOBENE, THOMAS S., US
[72] RICCOBENE, DOMINIC T., US
[73] RICCOBENE DESIGNS LLC, US
[86] (3045204)
[87] (3045204)
[22] 2019-05-03
[30] US (PCT/US2018/031495) 2018-05-08
[30] US (16/365,894) 2019-03-27

[11] **3,045,596**
[13] C
[51] **Int.Cl. C12N 15/09 (2006.01) C12N 1/21 (2006.01) C12N 9/42 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **ENDO-.BETA.-N-ACETYLGLUCOSAMINIDASE**
[54] **ENDO-?-N-ACETYLGLUCOSAMINIDASE**
[72] ITO, HANAKO, JP
[72] ONO, YASUNORI, JP
[72] NAKAMURA, KENSUKE, JP
[73] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2019-05-30
[86] 2017-12-01 (PCT/JP2017/043219)
[87] (WO2018/101454)
[30] JP (2016-234808) 2016-12-02

[11] **3,046,134**
[13] C
[51] **Int.Cl. H04W 28/20 (2009.01)**
[25] EN
[54] **METHOD FOR DEMODULATING SHARED REFERENCE SIGNAL, TERMINAL DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE DE DEMODULATION DE SIGNAL DE REFERENCE PARTAGE, EQUIPEMENT TERMINAL ET DISPOSITIF RESEAU**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-06-05
[86] 2016-12-06 (PCT/CN2016/108707)
[87] (WO2018/102987)

[11] **3,046,242**
[13] C
[51] **Int.Cl. G01N 1/10 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **CLOT MITIGATING PROBE FOR BLOOD ANALYZING INSTRUMENT**
[54] **SONDE ANTI-CAILLOTS POUR INSTRUMENT D'ANALYSE DE SANG**
[72] PAZ, ROMAN, US
[72] WALKER, BRIAN, US
[72] HASTINGS, ZACHARY, US
[72] ASCHETTINO, MICHAEL, US
[73] INSTRUMENTATION LABORATORY COMPANY, US
[85] 2019-06-05
[86] 2018-01-03 (PCT/US2018/012200)
[87] (WO2018/132285)
[30] US (62/444,628) 2017-01-10

[11] **3,047,630**
[13] C
[51] **Int.Cl. H02B 1/56 (2006.01) H01F 27/02 (2006.01) H02B 5/00 (2006.01)**
[25] EN
[54] **TRANSFORMER STATION, METHOD AND APPARATUS FOR A TRANSFORMER STATION**
[54] **POSTE DE TRANSFORMATION, PROCEDE ET DISPOSITIF POUR UN POSTE DE TRANSFORMATION**
[72] RUNGE, JORN, DE
[73] INNOGY SE, DE
[85] 2019-06-19
[86] 2017-11-09 (PCT/EP2017/078733)
[87] (WO2018/114125)
[30] DE (10 2016 125 375.8) 2016-12-22

[11] **3,047,644**
[13] C
[51] **Int.Cl. G09C 1/00 (2006.01) G09C 5/00 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **PUF BASED COMPOSITE SECURITY MARKING FOR ANTI-COUNTERFEITING**
[54] **MARQUAGE DE SECURITE COMPOSITE BASE SUR UNE PUF ANTI-CONTREFACON**
[72] ENDRESS, THOMAS, DE
[72] SZABO, DANIEL, DE
[72] WAHL, FABIAN, CH
[73] MERCK PATENT GMBH, DE
[85] 2019-06-19
[86] 2017-12-18 (PCT/EP2017/083283)
[87] (WO2018/114782)
[30] EP (16205920.8) 2016-12-21

[11] **3,048,402**
[13] C
[51] **Int.Cl. G10L 15/22 (2006.01) H04W 4/10 (2009.01) G06F 16/33 (2019.01) G10L 15/20 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR VARYING VERBOSITY OF RESPONSE BASED ON CHANNEL PROPERTIES IN A GROUP COMMUNICATION USING ARTIFICIAL INTELLIGENCE**
[54] **SYSTEME ET PROCEDE POUR FAIRE VARIER LA VERBOSITE DE REPONSE SUR LA BASE DES PROPRIETES DE CANAL DANS UNE COMMUNICATION DE GROUPE A L'AIDE D'UNE INTELLIGENCE ARTIFICIELLE**
[72] PROCTOR, LEE M., US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2019-06-25
[86] 2017-12-13 (PCT/US2017/066093)
[87] (WO2018/125568)
[30] US (15/390,816) 2016-12-27

[11] **3,051,500**
[13] C
[51] **Int.Cl. H04L 9/32 (2006.01)**
[25] EN
[54] **CLOUD SECURITY STACK**
[54] **PILE DE SECURITE EN NUAGE**
[72] GERBER, CHRISTOPHER JOHN, US
[72] SMITH, MICHAEL DAVID, US
[72] PAGAN, MARK ALAN, US
[72] CRAWFORD, BENJAMIN IVY, US
[73] WALMART APOLLO, LLC, US
[85] 2019-07-25
[86] 2018-01-26 (PCT/US2018/015495)
[87] (WO2018/140759)
[30] US (62/450,814) 2017-01-26

[11] **3,051,588**
[13] C
[51] **Int.Cl. C07D 487/08 (2006.01) A61K 31/4439 (2006.01) A61K 31/506 (2006.01) A61K 31/5365 (2006.01) A61P 31/18 (2006.01) C07D 405/14 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **HIV PROTEASE INHIBITORS**
[54] **INHIBITEURS DE LA PROTEASE DU VIH**
[72] BACON, ELIZABETH M., US
[72] CHIN, ELBERT, US
[72] COTTELL, JEROMY J., US
[72] KATANA, ASHLEY ANNE, US
[72] KATO, DARRYL, US
[72] LINK, JOHN O., US
[72] SHAPIRO, NATHAN, US
[72] TREJO MARTIN, TERESA ALEJANDRA, US
[72] YANG, ZHENG-YU, US
[73] GILEAD SCIENCES, INC., US
[85] 2019-07-25
[86] 2018-02-05 (PCT/US2018/016893)
[87] (WO2018/145021)
[30] US (62/455,348) 2017-02-06

[11] **3,051,895**
[13] C
[51] **Int.Cl. A63H 33/08 (2006.01)**
[25] EN
[54] **BLOCK SYSTEM**
[54] **SYSTEME DE BLOC**
[72] DUMPHY, JOSHUA, US
[73] KEJSER, LLC, US
[85] 2019-07-26
[86] 2018-07-25 (PCT/US2018/043761)
[87] (WO2019/133055)
[30] US (15/858,038) 2017-12-29

[11] **3,052,179**
[13] C
[51] **Int.Cl. B23P 15/28 (2006.01) B21D 28/34 (2006.01) B23H 1/00 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING SOCKET PUNCHES**
[54] **METHODE DE FABRICATION DE POINCONS DE PRISE**
[72] EGGERT, DANIEL M., US
[72] WENTE, STEVEN R., US
[72] MCGREAL, DAVID G., US
[72] ARENDT, JEFFREY M., US
[73] SNAP-ON INCORPORATED, US
[86] (3052179)
[87] (3052179)
[22] 2019-08-15
[30] US (16/258,032) 2019-01-25

[11] **3,054,327**
[13] C
[51] **Int.Cl. F03D 7/04 (2006.01) F03D 7/02 (2006.01)**
[25] EN
[54] **WIND PARK INERTIAL RESPONSE TO GRID STABILITY**
[54] **REPONSE INERTIELLE D'UN PARC EOLIEN POUR LA STABILITE DE RESEAU ELECTRIQUE**
[72] GREEN, MARTIN, DK
[73] SIEMENS GAMESA RENEWABLE ENERGY A/S, DK
[85] 2019-08-22
[86] 2017-12-05 (PCT/EP2017/081456)
[87] (WO2018/153526)
[30] DE (10 2017 203 051.8) 2017-02-24

[11] **3,054,397**
[13] C
[51] **Int.Cl. B64F 5/40 (2017.01) B64F 5/60 (2017.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **AIRCRAFT MANAGEMENT DEVICE, METHOD, AND PROGRAM**
[54] **DISPOSITIF, PROCEDE ET PROGRAMME DE GESTION D'AERONEF**
[72] SAITO, NOZOMI, JP
[72] YARI, TAKASHI, JP
[72] HIGUCHI, NOBUHIRO, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2019-08-22
[86] 2018-02-22 (PCT/JP2018/006370)
[87] (WO2018/155529)
[30] JP (2017-035024) 2017-02-27

[11] **3,055,499**
[13] C
[51] **Int.Cl. E04F 11/18 (2006.01) E04F 11/00 (2006.01) F16B 5/00 (2006.01)**
[25] EN
[54] **HORIZONTAL PANEL ALIGNMENT SYSTEM**
[54] **SYSTEME D`ALIGNEMENT DE PANNEAU HORIZONTAL**
[72] COCKS, FRASER, CA
[73] VANCOUVER GLAZING HARDWARE INC., CA
[86] (3055499)
[87] (3055499)
[22] 2019-09-16
[30] US (16567929) 2019-09-11

[11] **3,055,624**
[13] C
[51] **Int.Cl. H04W 52/08 (2009.01)**
[25] EN
[54] **POWER CONTROL METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE COMMANDE DE PUISSANCE, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] CHEN, WENHONG, CN
[72] SHI, ZHIHUA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-09-06
[86] 2018-01-19 (PCT/CN2018/073518)
[87] (WO2019/140665)

[11] **3,055,744**
[13] C
[51] **Int.Cl. E21B 47/0232 (2012.01)**
[25] EN
[54] **MULTIPLE SURFACE EXCITATION METHOD FOR DETERMINING A LOCATION OF DRILLING OPERATIONS TO EXISTING WELLS**
[54] **METHODE D'EXCITATION DE SURFACES MULTIPLES POUR DETERMINER UN EMPLACEMENT D'OPERATIONS DE FORAGE DANS DES PUITS EXISTANTS**
[72] FAN, YIJING, SG
[72] WU, HSU-HSIANG, US
[72] PAN, LI, SG
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-09-17
[86] 2018-11-30 (PCT/US2018/063258)
[87] (WO2020/112133)

[11] **3,056,072**
[13] C
[51] **Int.Cl. A61K 31/706 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **METHODS OF TREATING FELINE CORONAVIRUS INFECTIONS**
[54] **METHODES DE TRAITEMENT D'INFECTIONS PAR LE CORONAVIRUS FELIN**
[72] PERRON, MICHEL JOSEPH, US
[72] PEDERSEN, NIELS C., US
[73] GILEAD SCIENCES, INC., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2019-09-10
[86] 2018-03-13 (PCT/US2018/022166)
[87] (WO2018/169946)
[30] US (62/470,944) 2017-03-14

[11] **3,056,642**
[13] C
[51] **Int.Cl. A61F 9/007 (2006.01)**
[25] EN
[54] **DELIVERY AIDS FOR GLAUCOMA SHUNTS**
[54] **AUXILIAIRES DE POSE POUR VALVES A GLAUCOME**
[72] ROEBER, PETER J., US
[72] TOWLER, JEFFREY C., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2019-09-13
[86] 2018-03-16 (PCT/US2018/022929)
[87] (WO2018/170433)
[30] US (62/473,090) 2017-03-17
[30] US (15/922,696) 2018-03-15

[11] **3,056,962**
[13] C
[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/88 (2006.01)**
[25] EN
[54] **DEVICE FOR MIXING A BONE CEMENT WITH HOLLOW SPACE FOR MONOMER TRANSFER**
[54] **DISPOSITIF DESTINE AU MELANGE D`UN CIMENT OSSEUX AYANT UN ESPACE CREUX POUR LE TRANSFERT DU MONOMERE**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE
[86] (3056962)
[87] (3056962)
[22] 2019-09-27
[30] DE (10 2018 131 268.7) 2018-12-07

[11] **3,057,123**
[13] C
[51] **Int.Cl. E05B 9/08 (2006.01) E05B 9/00 (2006.01)**
[25] EN
[54] **LOCK, METHOD FOR DISMOUNTING LOCK AND METHOD FOR MOUNTING LOCK**
[54] **VERROU, PROCEDE POUR LE DEMONTAGE ET LE MONTAGE D`UN VERROU**
[72] HUANG, LIEN-HSI, TW
[72] LIN, YU-CHENG, TW
[73] TAIWAN FU HSING INDUSTRIAL CO., LTD., CN
[86] (3057123)
[87] (3057123)
[22] 2019-09-30
[30] TW (107216876) 2018-12-12
[30] TW (108125758) 2019-07-22

[11] **3,057,127**
[13] C
[51] **Int.Cl. E04C 3/02 (2006.01) E04C 3/04 (2006.01)**
[25] EN
[54] **LINTEL COVER**
[54] **COUVERCLE DE LINTEAU**
[72] DIVITO, BRUNO, CA
[73] ANGLE ARMOUR INC., CA
[86] (3057127)
[87] (3057127)
[22] 2019-09-30
[30] CA (3031992) 2019-01-31

[11] **3,058,511**
[13] C
[51] **Int.Cl. F16L 55/16 (2006.01) F16L 55/162 (2006.01)**
[25] EN
[54] **PLUGGING UNDESIRED OPENINGS IN FLUID VESSELS**
[54] **OBTURATION D'OUVERTURES INDESIRABLES DANS DES RECIPIENTS DE FLUIDE**
[72] TOLMAN, RANDY C., US
[72] SCHULTZ, ROGER L., US
[72] WATSON, BROCK W., US
[73] THRU TUBING SOLUTIONS, INC., US
[85] 2019-09-27
[86] 2018-04-25 (PCT/US2018/029383)
[87] (WO2018/200688)
[30] US (62/489,905) 2017-04-25
[30] US (62/540,380) 2017-08-02

[11] **3,060,711**
[13] C
[51] **Int.Cl. B07C 1/02 (2006.01) B65G 43/08 (2006.01)**
[25] EN
[54] **TRANSFER APPARATUS AND METHOD FOR TRANSFERRING ARTICLES**
[54] **DISPOSITIF DE TRANSFERT ET PROCEDE DESTINE AU TRANSFERT DE MARCHANDISES DE DETAIL**
[72] ASCHPURWIS, CARSTEN, DE
[72] HASELBERGER, NIKOLAUS, DE
[72] HAHN, SEBASTIAN, DE
[72] SCHIESS, TIM, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2019-10-22
[86] 2018-04-10 (PCT/EP2018/059134)
[87] (WO2018/197201)
[30] EP (17000697.7) 2017-04-24

[11] **3,060,764**
[13] C
[51] **Int.Cl. E05F 11/12 (2006.01) E06B 3/34 (2006.01)**
[25] EN
[54] **SLIDE OPERATOR FOR FENESTRATION UNIT**
[54] **ACTIONNEUR COULISSANT POUR MODULE DE FENETRAGE**
[72] BERNHAGEN, TODD A., US
[72] SCHRODER, PAUL D., US
[72] HANSEN, TED L., US
[73] PELLA CORPORATION, US
[86] (3060764)
[87] (3060764)
[22] 2019-10-30
[30] US (62/753,491) 2018-10-31

[11] **3,060,946**
[13] C
[51] **Int.Cl. E21B 43/241 (2006.01) C09K 8/58 (2006.01) C09K 8/594 (2006.01) E21B 37/06 (2006.01)**
[25] EN
[54] **CO-INJECTION OF AROMATIC AND PARAFFINIC SOLVENTS DURING AN IN SITU STARTUP PROCESS**
[54] **CO-INJECTION DE SOLVANTS AROMATIQUES ET PARAFFINIQUES PENDANT UN PROCEDE DE DEMARRAGE SUR PLACE**
[72] IBATULLIN, TAIR, CA
[72] AGHABARATI, HOSSEIN, CA
[73] SUNCOR ENERGY INC., CA
[86] (3060946)
[87] (3060946)
[22] 2019-11-05

[11] **3,060,976**
[13] C
[51] **Int.Cl. C13K 13/00 (2006.01) C13K 1/00 (2006.01) C13K 1/02 (2006.01) C13K 1/04 (2006.01) C13K 3/00 (2006.01) C13K 11/00 (2006.01) C13B 20/00 (2011.01) C07H 3/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING LIGNOCELLULOSIC MATERIALS**
[54] **PROCEDES POUR LE TRAITEMENT DE MATERIAUX LIGNOCELLULOSIQUES**
[72] JANSEN, ROBERT, US
[72] GREGOIRE, CLAIRE, FR
[72] TRAVISANO, PHILIP, US
[72] MADSEN, LEE, US
[72] MATIS, NETA, IL
[72] HAR-TAL, YAEL, IL
[72] ELIAHU, SHAY, IL
[72] LAWSON, JAMES ALAN, US
[72] LAPIDOT, NOA, IL
[72] BURKE, LUKE, US
[72] EYAL, AHARON M., IL
[72] BAUER, TIMOTHY ALLEN, US
[72] SADE, HAGIT, IL
[72] MCWILLIAMS, PAUL, US
[72] BELMAN, ZIV-VLADIMIR, IL
[72] HALLAC, BASSEM, IL
[72] ZVIELY, MICHAEL, IL
[72] GERSHINSKY, YELENA, IL
[72] CARDEN, ADAM, US
[73] VIRDIA, LLC, US
[86] (3060976)
[87] (3060976)
[22] 2013-05-03
[62] 2,872,510
[30] US (61/642,338) 2012-05-03
[30] US (61/662,830) 2012-06-21
[30] US (61/672,719) 2012-07-17
[30] US (61/680,181) 2012-08-06
[30] US (61/680,183) 2012-08-06
[30] US (61/680,661) 2012-08-07
[30] US (61/681,299) 2012-08-09
[30] US (61/693,637) 2012-08-27
[30] US (61/715,703) 2012-10-18
[30] US (61/720,313) 2012-10-30
[30] US (61/720,325) 2012-10-30
[30] US (61/786,169) 2013-03-14
[30] US (61/785,891) 2013-03-14

[11] **3,061,145**
[13] C
[51] **Int.Cl. C02F 1/68 (2006.01)**
[25] EN
[54] **WATER MINERALIZING SYSTEM**
[54] **SYSTEME DE MINERALISATION D'EAU**
[72] MINOR, TAYLOR, US
[72] NICK, CHARLES R., US
[73] THIRD WAVE WATER LLC, US
[85] 2019-10-22
[86] 2018-04-23 (PCT/US2018/028888)
[87] (WO2018/200388)
[30] US (62/488,849) 2017-04-23

[11] **3,061,507**
[13] C
[51] **Int.Cl. B65G 23/04 (2006.01)**
[25] EN
[54] **STUB SHAFT CONVEYOR PULLEYS**
[54] **POULIES DE TRANSPORTEUR D'ARBRE DE LIAISON**
[72] WOLF, TIM ERWIN, US
[72] ELLIS, JEFFREY PAUL, US
[72] TERLOUW, BRUCE RANDALL, US
[73] PRECISION, INC., US
[85] 2019-10-24
[86] 2018-04-24 (PCT/US2018/029093)
[87] (WO2018/212944)
[30] US (15/597,945) 2017-05-17

[11] **3,061,909**
[13] C
[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EFFICIENT NONSYNCHRONOUS LNG PRODUCTION USING LARGE SCALE MULTI-SHAFT GAS TURBINES**
[54] **PROCEDE ET SYSTEME DE PRODUCTION EFFICACE DE GNL NON SYNCHRONE A L'AIDE DE TURBINES A GAZ A PLUSIEURS ARBRES A GRANDE ECHELLE**
[72] GUY, ASHLEY R., US
[72] LUPASCU, SORIN T., US
[72] PARKER, DONNA J., US
[72] LEE, YOW-YEEN, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2019-10-29
[86] 2018-03-23 (PCT/US2018/024037)
[87] (WO2018/212830)
[30] US (62/506,922) 2017-05-16
[30] US (62/570,998) 2017-10-11

[11] **3,064,387**
[13] C
[51] **Int.Cl. F17D 5/02 (2006.01) F16L 9/19 (2006.01) F16L 39/00 (2006.01)**
[25] EN
[54] **REAL TIME INTEGRITY MONITORING OF ON-SHORE PIPES**
[54] **SURVEILLANCE D'INTEGRITE EN TEMPS REEL DE CANALISATIONS A TERRE**
[72] ETHRIDGE, ANDREW DAVID, US
[72] WINN, ALEXANDER LEE, US
[73] TRINITY BAY EQUIPMENT HOLDINGS, LLC, US
[86] (3064387)
[87] (3064387)
[22] 2015-11-02
[62] 3,004,049

[11] **3,064,637**
[13] C
[51] **Int.Cl. C23C 2/04 (2006.01) C21D 1/26 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C23C 2/06 (2006.01)**
[25] EN
[54] **HOT DIPPED HIGH MANGANESE STEEL AND MANUFACTURING METHOD THEREFOR**
[54] **ACIER A HAUTE TENEUR EN MANGANESE TREMPE A CHAUD ET SON PROCEDE DE FABRICATION**
[72] JIN, XINYAN, CN
[72] ZHONG, YONG, CN
[72] HU, GUANGKUI, CN
[73] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2019-11-22
[86] 2018-04-20 (PCT/CN2018/083849)
[87] (WO2018/214683)
[30] CN (201710383388.1) 2017-05-26

[11] **3,065,130**
[13] C
[51] **Int.Cl. B27N 3/00 (2006.01) B27N 3/14 (2006.01)**
[25] EN
[54] **ORIENTED STRAND BOARD, PROCESS FOR PRODUCTION OF AN ORIENTED STRAND BOARD AND APPARATUS FOR PRODUCING AN ORIENTED STRAND BOARD**
[54] **PANNEAU A COPEAUX ORIENTES, PROCEDE DE PRODUCTION D'UN PANNEAU A COPEAUX ORIENTES, ET APPAREIL DE PRODUCTION D'UN PANNEAU A COPEAUX ORIENTES**
[72] STADLER, PETER, LU
[73] KRONOSPAN LUXEMBOURG S.A., LU
[85] 2019-11-27
[86] 2017-07-20 (PCT/EP2017/068428)
[87] (WO2019/007538)
[30] DE (20 2017 103 956.0) 2017-07-03

[11] **3,065,581**
[13] C
[51] **Int.Cl. E21B 43/38 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **CROSSOVER SYSTEM AND APPARATUS FOR AN ELECTRIC SUBMERSIBLE GAS SEPARATOR**
[54] **SYSTEME ET APPAREIL DE PONT POUR UN SEPARATEUR DE GAZ SUBMERSIBLE ELECTRIQUE**
[72] BROWN, DONN J., US
[72] GOTTSCHALK, THOMAS JOHN, US
[72] DINKINS, WALTER RUSSELL, US
[72] BUCKALLEW, JIMMIE ALLEN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-11-28
[86] 2018-08-08 (PCT/US2018/045810)
[87] (WO2019/045979)
[30] US (62/551,850) 2017-08-30

[11] **3,065,721**
[13] C
[51] **Int.Cl. H04W 4/024 (2018.01) H04W 4/42 (2018.01) G08G 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENABLING REMOTE OPERATION OF AT LEAST ONE TRANSPORTATION MECHANISM**
[54] **SYSTEME ET METHODE POUR PERMETTRE LE FONCTIONNEMENT A DISTANCE D'AU MOINS UN MECANISME DE TRANSPORT**
[72] GILLEN, ROBERT J., US
[72] BONIN, PAUL H., US
[73] UNITED PARCEL SERVICES OF AMERICA, INC., US
[86] (3065721)
[87] (3065721)
[22] 2017-06-15
[62] 3,024,151
[30] US (62/362,405) 2016-07-14
[30] US (62/362,395) 2016-07-14
[30] US (15/378,876) 2016-12-14
[30] US (15/378,515) 2016-12-14

[11] **3,066,025**
[13] C
[51] **Int.Cl. C10G 29/20 (2006.01) C10G 5/00 (2006.01) C10G 9/00 (2006.01) C10G 57/00 (2006.01)**
[25] EN
[54] **NATURAL GAS LIQUID UPGRADING BY IONIC LIQUID CATALYZED ALKYLATION**
[54] **VALORISATION DE LIQUIDE DE GAZ NATUREL PAR ALKYLATION CATALYSEE PAR UN LIQUIDE IONIQUE**
[72] TIMKEN, HYE-KYUNG CHO, US
[72] PEINADO, KENNETH JOHN, US
[72] CHANG, BONG-KYU, US
[73] CHEVRON U.S.A. INC., US
[85] 2019-12-03
[86] 2018-06-07 (PCT/IB2018/054078)
[87] (WO2019/008454)
[30] US (15/640,655) 2017-07-03

[11] **3,066,373**
[13] C
[51] **Int.Cl. H02G 3/08 (2006.01)**
[25] EN
[54] **2-SHOT MOLDED VAPOR SEAL**
[54] **PAROI ETANCHE MOULEE EN DEUX ETAPES**
[72] HUGHEY, STEVEN, US
[72] WALK, ZACKERY, US
[73] ALLIED MOULDED PRODUCTS, INC., US
[86] (3066373)
[87] (3066373)
[22] 2019-12-31
[30] US (16/729,975) 2019-12-30
[30] US (62/788,178) 2019-01-04

[11] **3,066,870**
[13] C
[51] **Int.Cl. A23L 3/32 (2006.01) A23L 5/30 (2016.01) A23L 19/00 (2016.01) A23L 19/18 (2016.01) A23B 4/015 (2006.01) A23B 5/015 (2006.01) A23B 7/015 (2006.01) A23B 9/06 (2006.01) A23C 3/07 (2006.01) A23L 2/50 (2006.01) A23L 3/26 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A FOOD, IN PARTICULAR A SNACK PRODUCT, WITH IMPROVED INTRODUCTION OF AN ADDITIVE BY APPLICATION OF AN ELECTRIC FIELD**
[54] **PROCEDE DE FABRICATION D'UN PRODUIT ALIMENTAIRE, NOTAMMENT UN PRODUIT DE GRIGNOTAGE, AVEC INTRODUCTION AMELIOREE D'UN ADDITIF PAR APPLICATION D'UN CHAMP ELECTRIQUE**
[72] OSTERMEIER, ROBIN, DE
[72] ROEDER, ISABELL, DE
[72] TOEPFL, STEFAN, DE
[73] ELEA VERTRIEBS- UND VERMARKTUNGSGESELLSCHAFT MBH, DE
[85] 2019-12-10
[86] 2018-06-12 (PCT/EP2018/065442)
[87] (WO2018/234089)
[30] DE (10 2017 210 328.0) 2017-06-20

[11] **3,067,049**
[13] C
[51] **Int.Cl. G01F 11/24 (2006.01)**
[25] EN
[54] **MANUALLY-OPERATED GRANULAR SUBSTANCE DISPENSER**
[54] **DISTRIBUTEUR DE SUBSTANCE GRANULAIRE A COMMANDE MANUELLE**
[72] FREDSALL, GIL, US
[73] FREDSALL, GIL, US
[85] 2019-12-11
[86] 2018-06-18 (PCT/US2018/038018)
[87] (WO2018/232385)
[30] US (62/520,742) 2017-06-16

[11] **3,067,964**
[13] C
[51] **Int.Cl. E21B 33/04 (2006.01) E21B 19/02 (2006.01)**
[25] EN
[54] **PROTECTION SLEEVE FOR TUBING HANGER THREADS**
[54] **MANCHON DE PROTECTION POUR FILETAGES DE COLLIER A COINS POUR TUBES DE PRODUCTION**
[72] DANNISH, CHAD, CA
[73] EMKADE DISTRIBUTION INC., CA
[86] (3067964)
[87] (3067964)
[22] 2020-01-13
[30] US (62/791,768) 2019-01-12

[11] **3,068,007**
[13] C
[51] **Int.Cl. A61K 31/66 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL SUBSTANCES ON THE BASIS OF MITOCHONDRIA-ADDRESSED ANTIOXIDANTS**
[54] **SUBSTANCES PHARMACEUTIQUES A BASE D'ANTIOXYDANTS ADRESSES A DES MITOCH DRIES**
[72] SKULACHEV, MAXIM VLADIMIROVICH, RU
[72] SKULACHEV, VLADIMIR PETROVICH, RU
[72] ZAMYATIN, ANDREI ALEXANDROVICH, RU
[72] EFREMOV, EVGENY STEPANOVICH, RU
[72] TASHLITSKY, VADIM NERONOVICH, RU
[72] YAGUZHINSKY, LEV SERGEEVICH, RU
[72] KORSHUNOVA, GALINA ANATOLIEVNA, RU
[72] SUMBATYAN, NATALYA VLADIMIROVNA, RU
[72] ANTONENKO, YURY NIKOLAEVICH, RU
[72] SEVERINA, INNA ISAAKOVNA, RU
[72] CHERNYAK, BORIS VIKTOROVICH, RU
[73] MITOTECH S.A., LU
[86] (3068007)
[87] (3068007)
[22] 2009-11-13
[62] 2,789,846

[11] **3,068,106**
[13] C
[51] **Int.Cl. B01D 25/21 (2006.01) B01D 25/164 (2006.01)**
[25] EN
[54] **ASSEMBLY COMPRISING A FILTER PLATE AND AN ATTACHMENT PART**
[54] **ENSEMBLE CONSTITUE D'UNE PLAQUE FILTRANTE ET D'UNE FIXATION**
[72] HERMANN, MANFRED P., DE
[72] SALBAUM, BERNHARD, DE
[73] JVK FILTRATION SYSTEMS GMBH, DE
[85] 2019-12-20
[86] 2018-07-04 (PCT/EP2018/068094)
[87] (WO2019/008037)
[30] DE (20 2017 104 018.6) 2017-07-05

[11] **3,068,331**
[13] C
[51] **Int.Cl. G06Q 20/38 (2012.01) H04L 9/12 (2006.01)**
[25] EN
[54] **INSTRUMENT DISAMBIGUATION TO FACILITATE ELECTRONIC DATA CONSOLIDATION**
[54] **DESAMBIGUISATION D'INSTRUMENT POUR FACILITER LA CONSOLIDATION DE DONNEES ELECTRONIQUES**
[72] GABRIEL, MICHAEL R., US
[72] JACK, RACHEL, US
[72] MEIKE, ROGER, US
[72] PANCHEVRE, IAN MAYA, US
[72] SCOTT, GLENN, US
[73] INTUIT INC., US
[85] 2019-12-20
[86] 2018-08-06 (PCT/US2018/045404)
[87] (WO2019/083589)
[30] US (15/796,665) 2017-10-27

[11] **3,068,501**
[13] C
[51] **Int.Cl. A47G 29/124 (2006.01) A47G 29/20 (2006.01) B65D 85/00 (2006.01) E05B 65/52 (2006.01)**
[25] EN
[54] **SECURE CONTAINER FOR RECEIVING AND PREVENTING UNAUTHORIZED ACCESS TO ARTICLES**
[54] **CONTENANT SECURISE POUR RECEVOIR ET PREVENIR UN ACCES NON AUTORISE AUX ARTICLES**
[72] KAECHELE, DARRYL REED, CA
[73] KAECHELE, DARRYL REED, CA
[86] (3068501)
[87] (3068501)
[22] 2020-01-17
[30] US (62/796,285) 2019-01-24

[11] **3,068,749**
[13] C
[51] **Int.Cl. A23L 5/20 (2016.01) A23D 9/02 (2006.01) C11B 3/10 (2006.01)**
[25] EN
[54] **REDUCTION OF THE CONTENT OF GLYCIDYL ESTERS IN EDIBLE OILS**
[54] **REDUCTION DE LA TENEUR EN ESTERS GLYCIDYLIQUES DANS DES HUILES COMESTIBLES**
[72] SARUP, BENT, DK
[73] ALFA LAVAL CORPORATE AB, SE
[85] 2019-12-31
[86] 2018-06-12 (PCT/EP2018/065432)
[87] (WO2019/007641)
[30] EP (17179283.1) 2017-07-03

[11] **3,069,224**
[13] C
[51] **Int.Cl. H02K 3/28 (2006.01) H02K 19/34 (2006.01)**
[25] EN
[54] **A VOLTAGE GENERATOR AND A METHOD OF MAKING A VOLTAGE GENERATOR**
[54] **GENERATEUR DE TENSION ET PROCEDE DE FABRICATION D'UN GENERATEUR DE TENSION**
[72] CRAIN, STEPHEN G., US
[73] POLARIS INDUSTRIES, INC., US
[85] 2020-01-06
[86] 2018-07-17 (PCT/US2018/042373)
[87] (WO2019/018330)
[30] US (15/653,277) 2017-07-18

[11] **3,070,336**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/245 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **TOPICAL FORMULATIONS OF CHLOROPROCAINE AND METHODS OF USING SAME**
[54] **FORMULATIONS TOPIQUES DE CHLOROPROCAINE ET METHODES D'UTILISATION**
[72] MITIDIERI, AUGUSTO, CH
[72] DONATI, ELISABETTA, CH
[72] BIANCHI, CLARA, CH
[73] SINTETICA S.A., CH
[85] 2020-01-17
[86] 2018-09-14 (PCT/IB2018/057073)
[87] (WO2019/053657)
[30] US (62/559,220) 2017-09-15

[11] **3,070,354**
[13] C
[51] **Int.Cl. H02K 21/14 (2006.01) H02K 21/24 (2006.01)**
[25] EN
[54] **ROTARY ELECTRIC MACHINE**
[54] **MACHINE TOURNANTE ELECTRIQUE**
[72] FUJINO, KATSUAKI, JP
[73] KABUSHIKI KAISHA KUU, JP
[85] 2020-01-17
[86] 2018-07-25 (PCT/JP2018/027897)
[87] (WO2019/026725)
[30] JP (2017-150676) 2017-08-03
[30] JP (2017-221198) 2017-11-16

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[11] **3,071,721**
[13] C
[51] **Int.Cl. A47L 13/38 (2006.01) A47L 13/16 (2006.01) A47L 13/20 (2006.01) B32B 5/02 (2006.01)**
[25] EN
[54] **METHOD OF MAKING A TUFTED LAMINATED CLEANING ARTICLE**
[54] **PROCEDE DE FABRICATION D'UN ARTICLE DE NETTOYAGE STRATIFIE TOUFFETE**
[72] POLICICCHIO, NICOLA JOHN, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-29
[86] 2018-09-10 (PCT/US2018/050195)
[87] (WO2019/051369)
[30] US (15/700,384) 2017-09-11
[30] US (15/700,396) 2017-09-11
[30] EP (17192874.0) 2017-09-25

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[11] **3,072,748**
[13] C
[51] **Int.Cl. C12N 15/70 (2006.01) C12N 9/88 (2006.01) C12N 15/77 (2006.01) C12N 15/81 (2006.01) C12P 13/00 (2006.01)**
[25] EN
[54] **MICROORGANISM FOR PRODUCING A MYCOSPORINE-LIKE AMINO ACID AND METHOD FOR PRODUCING A MYCOSPORINE-LIKE AMINO ACID USING THE SAME**
[54] **MICROORGANISME POUR LA PRODUCTION D'UN ACIDE AMINE ANALOGUE DE LA MYCOSPORINE ET METHODE DE PRODUCTION DUDIT ACIDE AU MOYEN DU MICROORGANISME**
[72] KIM, SOL, KR
[72] LEE, KYUSUNG, KR
[72] LEE, JOO HEE, KR
[72] SEOK, JONG-CHEOL, KR
[72] JANG, JAE WOO, KR
[73] CJ CHEILJEDANG CORPORATION, KR
[85] 2020-02-11
[86] 2018-08-13 (PCT/KR2018/009246)
[87] (WO2019/035612)
[30] KR (10-2017-0103795) 2017-08-16

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[11] **3,073,663**
[13] C
[51] **Int.Cl. B32B 3/10 (2006.01) B27K 5/00 (2006.01) B27M 3/00 (2006.01) B32B 5/12 (2006.01) B32B 7/08 (2019.01) B32B 21/13 (2006.01) E04C 2/12 (2006.01)**
[25] EN
[54] **A WASTE-LESS CUT-LESS COMPOSED WOODEN PANEL FOR A WOODEN TIMBER BUILDINGS CONSTRUCTION**
[54] **PANNEAU EN BOIS A COUPE MOINDRE, SANS GASPILLAGE, POUR CONSTRUCTION DE BATIMENTS EN BOIS**
[72] BISKUP, STANISLAV, CS
[73] BISKUP, STANISLAV, CS
[86] (3073663)
[87] (3073663)
[22] 2020-02-24
[30] CS (PV 2019-124) 2019-02-28

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[11] **3,073,858**
[13] C
[51] **Int.Cl. B60R 9/048 (2006.01) B60P 7/08 (2006.01)**
[25] EN
[54] **APPARATUS FOR TYING A BOARD TO A VEHICLE ROOF**
[54] **APPAREIL POUR ATTACHER UN PANNEAU AU TOIT D`UN VEHICULE**
[72] YEH, TZONG IN, US
[73] YEH, TZONG IN, US
[86] (3073858)
[87] (3073858)
[22] 2020-02-27
[30] TW (108145604) 2019-12-12

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[11] **3,074,533**
[13] C
[51] **Int.Cl. A63G 7/00 (2006.01) B60R 22/48 (2006.01)**
[25] EN
[54] **RIDER HOLDER AND VEHICLE HAVING AT LEAST ONE SUCH RIDER HOLDER FOR AN AMUSEMENT RIDE, METHOD FOR OPERATING A VEHICLE, AND AMUSEMENT RIDE HAVING AT LEAST ONE SUCH VEHICLE**
[54] **ACCUEIL DE PASSAGER ET VEHICULE COMPORTANT AU MOINS UN ACCUEIL DE PASSAGER POUR MANEGE, PROCEDE POUR FAIRE FONCTIONNER UN VEHICULE ET MANEGE EQUIPE D'AU MOINS UN TEL VEHICULE**
[72] BECHERER, MARKUS, DE
[72] SCHRADE, STEPHAN, DE
[73] MACK RIDES GMBH & CO. KG, DE
[85] 2020-03-02
[86] 2018-08-14 (PCT/EP2018/072001)
[87] (WO2019/048194)
[30] DE (10 2017 120 645.0) 2017-09-07

[11] **3,074,606**
[13] C
[51] **Int.Cl. E03D 11/02 (2006.01) E03D 11/08 (2006.01)**
[25] EN
[54] **SANITARY FACILITY IN THE FORM OF A TOILET**
[54] **INSTALLATION SANITAIRE SOUS FORME D`UNE CUVETTE DE TOILETTE**
[72] DE LA CORTE MATEO, JUAN ANGEL, DE
[72] WULKER, FRANZISKA SOPHIE, DE
[73] DURAVIT AKTIENGESELLSCHAFT, DE
[86] (3074606)
[87] (3074606)
[22] 2020-03-05
[30] DE (10 2019 105 730.2) 2019-03-07

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[11] **3,074,695**
[13] C
[51] **Int.Cl. F42B 5/02 (2006.01) F42B 10/02 (2006.01) F42B 10/38 (2006.01) F42B 30/02 (2006.01) F42B 33/00 (2006.01)**
[25] EN
[54] **ENHANCED PROJECTILE, CARTRIDGE AND METHOD FOR CREATING PRECISION RIFLE AMMUNITION WITH MORE UNIFORM EXTERNAL BALLISTIC PERFORMANCE AND ENHANCED TERMINAL BALLISTIC PERFORMANCE**
[54] **PROJECTILE AMELIORE, CARTOUCHE ET PROCEDE POUR CREER UNE MUNITION DE FUSIL DE PRECISION PRESENTANT DES PERFORMANCES BALISTIQUES EXTERNES PLUS UNIFORMES ET DES PERFORMANCES BALISTI QUES TERMINALES AMELIOREES**
[72] TUBB, G. DAVID, US
[72] ZERR, RONALD L., US
[73] SUPERIOR SHOOTING SYSTEMS, INC. (TX CORP.), US
[85] 2020-03-03
[86] 2018-06-26 (PCT/US2018/039602)
[87] (WO2019/010040)
[30] US (62/525,185) 2017-06-26

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[11] **3,075,092**
[13] C
[51] **Int.Cl. B41J 3/407 (2006.01) B41J 2/005 (2006.01)**
[25] EN
[54] **CONTAINER DECORATION APPARATUS AND METHOD**
[54] **PROCEDE ET APPAREIL DE DECORATION DE RECIPIENT**
[72] STOWITTS, ADAM P.S., US
[72] ELLEFSON, DEAN C., US
[73] BALL CORPORATION, US
[85] 2020-03-05
[86] 2018-09-19 (PCT/US2018/051717)
[87] (WO2019/060394)
[30] US (62/560,354) 2017-09-19
[30] US (62/579,236) 2017-10-31

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[11] **3,075,920**
[13] C
[51] **Int.Cl. A47J 31/06 (2006.01) A47J 31/00 (2006.01)**
[25] EN
[54] **AUTOMATIC COFFEE MAKER AND PROCESS FOR PREPARING A COLD BREWED BEVERAGE**
[54] **CAFETIERE AUTOMATIQUE ET PROCEDE DE PREPARATION D'UNE BOISSON INFUSEE A FROID**
[72] ANTHONY, JOSHUA D., US
[72] KUEMPEL, JEREMY JOHN, US
[72] WALLISER, MATTHEW EDWARD, US
[72] TRAN, CATHERINE BAO-NGOC, US
[72] CLARK, JACK D., US
[72] SCARSELLA, EDWARD J., US
[72] BROWN, ETHAN T., US
[72] WOODROW, CHAD P., US
[73] SHARKNINJA OPERATING, LLC, US
[85] 2020-03-13
[86] 2018-09-26 (PCT/US2018/052926)
[87] (WO2019/067595)
[30] US (62/564,043) 2017-09-27

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[11] **3,076,571**
[13] C
[51] **Int.Cl. E21B 33/13 (2006.01) C09K 8/42 (2006.01) E21B 33/138 (2006.01)**
[25] EN
[54] **WELL APPARATUS AND ASSOCIATED METHODS**
[54] **APPAREIL DE PUITS ET PROCEDES ASSOCIES**
[72] LEES, IAIN, GB
[73] RESOLUTE ENERGY SOLUTIONS LIMITED, GB
[85] 2020-03-20
[86] 2017-09-21 (PCT/GB2017/052824)
[87] (WO2018/055382)
[30] GB (1616152.3) 2016-09-22

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[11] **3,077,454**
[13] C
[51] **Int.Cl. G06F 40/169 (2020.01) G06F 16/33 (2019.01) G06F 16/95 (2019.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND COMPUTER-READABLE MEDIA FOR SEMANTICALLY ENRICHING CONTENT AND FOR SEMANTIC NAVIGATION**
[54] **METHODES, SYSTEMES ET SUPPORT INFORMATIQUE POUR L'ENRICHISSEMENT SEMANTIQUE DU CONTENU ET LA NAVIGATION SEMANTIQUE**
[72] DIMASSIMO, PASCAL, CA
[72] PETTIGREW, STEVE, CA
[72] BROUSSEAU, MARTIN, CA
[72] SIMARD, CHARLES-OLIVIER, CA
[72] WILLIAMS, ERIC, CA
[72] LACROIX, FRANCIS, CA
[72] DOWGAILENKO, ALEX, CA
[72] TEXIER, JEAN-MICHEL, CA
[72] DELIGIA, AGOSTINO, CA
[73] OPEN TEXT CORPORATION, CA
[86] (3077454)
[87] (3077454)
[22] 2011-07-22
[62] 3,010,817

[11] **3,077,520**
[13] C
[51] **Int.Cl. B65D 43/26 (2006.01) H02G 3/14 (2006.01)**
[25] EN
[54] **COVER RELEASE MECHANISMS FOR ENCLOSURES**
[54] **MECANISMES DE LIBERATION DE COUVERCLE POUR ENVELOPPES**
[72] MANAHAN, JOSEPH MICHAEL, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (3077520)
[87] (3077520)
[22] 2013-03-11
[62] 2,884,168
[30] US (61/701,208) 2012-09-14

---

[11] **3,077,733**
[13] C
[51] **Int.Cl. F16S 5/00 (2006.01) B32B 7/05 (2019.01) B32B 3/08 (2006.01) B32B 7/08 (2019.01) B64D 33/04 (2006.01) F01D 25/26 (2006.01) F01D 25/30 (2006.01) F16S 1/10 (2006.01)**
[25] EN
[54] **SANDWICH STRUCTURE WITH SHEAR STIFFNESS BETWEEN SKINS AND COMPLIANCE IN THE THICKNESS DIRECTION**
[54] **STRUCTURE SANDWICH AFFICHANT RIGIDITE AU CISAILLEMENT ENTRE LES COUCHES ET SOUPLESSE DANS LA DIRECTION DE L'EPAISSEUR**
[72] GRIP, ROBERT E., US
[72] BROWN, JOHN J., US
[73] THE BOEING COMPANY, US
[86] (3077733)
[87] (3077733)
[22] 2013-01-02
[62] 2,800,433
[30] US (13/412,593) 2012-03-05

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[11] **3,078,710**
[13] C
[51] **Int.Cl. B61B 12/06 (2006.01) B61B 12/10 (2006.01)**
[25] EN
[54] **TYRE CONVEYOR FOR TRANSPORT MEANS**
[54] **CONVOYEUR A PNEUS POUR MOYENS DE TRANSPORT**
[72] MORITZHUBER, JOHANNES, AT
[73] INNOVA PATENT GMBH, AT
[85] 2020-04-07
[86] 2018-10-09 (PCT/EP2018/077478)
[87] (WO2019/076687)
[30] AT (A 50883/2017) 2017-10-19

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[11] **3,078,921**
[13] C
[51] **Int.Cl. B61J 3/12 (2006.01) B60L 15/20 (2006.01)**
[25] EN
[54] **MODULAR DRIVE TRAIN FOR RAILCAR MOVER**
[54] **TRAIN D'ENTRAINEMENT MODULAIRE POUR DISPOSITIF DE DEPLACEMENT D'AUTORAIL**
[72] LOONEY, JEFFREY, US
[72] EVANS, ROBERT, US
[73] TRACKMOBILE LLC, US
[85] 2020-04-09
[86] 2018-10-08 (PCT/US2018/054853)
[87] (WO2019/074839)
[30] US (15/728,343) 2017-10-09

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[11] **3,079,356**
[13] C
[51] **Int.Cl. A61M 5/168 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **TUBE CRIMPING ARRANGEMENT FOR DRUG DELIVERY DEVICE**
[54] **AGENCEMENT DE SERTISSAGE DE TUBE POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] SALTER, JAMIE ANTHONY, GB
[72] GAZELEY, OLIVER CHARLES, GB
[72] PLUMPTRE, DAVID AUBREY, GB
[72] SENIOR, JAMES ALEXANDER, GB
[72] LEWIS, GARETH JAMES, GB
[72] BOYD, MALCOLM STANLEY, GB
[72] NADAL, JAVIER EDUARDO, GB
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2020-04-16
[86] 2018-10-15 (PCT/US2018/055885)
[87] (WO2019/079184)
[30] US (62/572,692) 2017-10-16

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[11] **3,080,785**
[13] C
[51] **Int.Cl. C07D 215/38 (2006.01) C12Q 1/6876 (2018.01) C07D 207/46 (2006.01) C07D 401/12 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07F 9/60 (2006.01) C07F 9/6558 (2006.01) C07H 19/073 (2006.01) C09B 29/085 (2006.01) C09B 29/09 (2006.01) C09B 29/44 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MONOAZO DYES WITH CYCLIC AMINE AS FLUORESCENCE QUENCHERS**
[54] **COLORANTS MONOAZOIQUES DOTES D'UNE AMINE CYCLIQUE EN TANT QU'EXTINCTEURS DE FLUORESCENCE**
[72] LI, ZAIGUO, US
[72] PANDE, PRAVEEN, US
[72] RAJU, NATARAJAN, US
[73] ENZO BIOCHEM, INC., US
[86] (3080785)
[87] (3080785)
[22] 2015-08-28
[62] 2,979,548
[30] US (14/672,944) 2015-03-30

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[11] **3,080,852**
[13] C
[51] **Int.Cl. C09K 8/68 (2006.01) C09K 8/524 (2006.01) E21B 43/22 (2006.01) E21B 43/26 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **ERYTHORBATE AND ISOASCORBATES SALT PROMOTERS FOR PEROXIDES IN AQUEOUS TREATMENT FLUIDS**
[54] **PROMOTEURS D'ERYTHORBATE ET D'ISOASCORBATE DE SODIUM POUR LES PEROXYDES DANS LES LIQUIDES DE TRAITEMENT AQUEUX**
[72] BRENNAN, JOSEPH M., US
[72] LYONS, JASON M., US
[72] PALYS, LEONARD H., US
[73] ARKEMA INC., US
[86] (3080852)
[87] (3080852)
[22] 2014-02-20
[62] 2,902,163
[30] US (61/769,830) 2013-02-27

[11] **3,080,888**
[13] C
[51] **Int.Cl. H04W 4/024 (2018.01) H04W 4/02 (2018.01) H04W 4/33 (2018.01) H04W 4/80 (2018.01) G01C 21/36 (2006.01)**
[25] EN
[54] **NAVIGATION USING SHORT-RANGE TRANSMISSIONS**
[54] **NAVIGATION UTILISANT DES TRANSMISSIONS A COURTE PORTEE**
[72] KAR, SIDDHARTH, US
[73] UBER TECHNOLOGIES, INC., US
[85] 2020-04-29
[86] 2018-10-17 (PCT/IB2018/058033)
[87] (WO2019/086989)
[30] US (15/798,007) 2017-10-30

[11] **3,081,088**
[13] C
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **STEAM AND INFLOW CONTROL FOR SAGD WELLS**
[54] **CONTROLE DE LA VAPEUR ET D`AFFLUX POUR LES PUITS DE DRAINAGE PAR GRAVITE AU MOYEN DE VAPEUR**
[72] GOHARI, KOUSHA, US
[72] MORENO, OSCAR BECERRA, US
[72] KENDALL, ALEXANDER, US
[73] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[86] (3081088)
[87] (3081088)
[22] 2020-05-21
[30] US (16/421157) 2019-05-23

[11] **3,081,124**
[13] C
[51] **Int.Cl. B61L 3/12 (2006.01)**
[25] EN
[54] **VEHICLE-BASED DEVICE FOR RECEIVING INFORMATION FROM A TRACK-BASED TRANSMISSION DEVICE**
[54] **DISPOSITIF EMBARQUE SUR VEHICULE POUR LA RECEPTION D'INFORMATIONS EMANANT D'UN DISPOSITIF EMETTEUR COTE VOIE**
[72] LIEBIG, ANDREAS, DE
[73] SIEMENS MOBILITY GMBH, DE
[85] 2020-04-30
[86] 2018-10-08 (PCT/EP2018/077252)
[87] (WO2019/086206)
[30] DE (10 2017 219 644.0) 2017-11-06

[11] **3,081,419**
[13] C
[51] **Int.Cl. F01D 11/08 (2006.01) F01D 9/02 (2006.01) F23R 3/00 (2006.01)**
[25] EN
[54] **HEATSHIELD FOR A GAS TURBINE ENGINE**
[54] **BOUCLIER THERMIQUE POUR UN MOTEUR A TURBINE A GAZ**
[72] VIANO, ANDREA, GB
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-05-01
[86] 2018-11-01 (PCT/EP2018/079954)
[87] (WO2019/110210)
[30] GB (1720121.1) 2017-12-04

[11] **3,081,685**
[13] C
[51] **Int.Cl. A61M 5/24 (2006.01) A61M 5/32 (2006.01) A61M 5/42 (2006.01)**
[25] EN
[54] **LOW DOSE PREFILLED DRUG DELIVERY DEVICE AND METHOD**
[54] **DISPOSITIF PRE-REMPLI DE DELIVRANCE DE MEDICAMENT A FAIBLE DOSE ET PROCEDE ASSOCIE**
[72] BATES, JAMES, US
[72] BUTTERBRODT, JAY, US
[72] GILLEN, EDWARD, US
[72] HORVATH, JOSHUA, US
[72] KNAPP, KEITH, II, US
[72] SEARLE, GARY, US
[72] TAYLOR, MARGARET, US
[72] TUNKEL, ROMAN, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (3081685)
[87] (3081685)
[22] 2011-01-31
[62] 2,788,703
[30] US (61/300,373) 2010-02-01

[11] **3,082,335**
[13] C
[51] **Int.Cl. D21F 1/00 (2006.01)**
[25] EN
[54] **MULTI-LAYER PAPERMAKER'S FORMING FABRIC WITH AUXILIARY BOTTOM MD YARNS**
[54] **TISSU DE FABRICATION DE PAPETERIE MULTICOUCHE AYANT DES FILS AUXILIAIRES INFERIEURS DANS LE SENS DE LA MACHINE**
[72] WARD, KEVIN, CA
[73] HUYCK LICENSCO INC., US
[85] 2020-05-08
[86] 2019-02-04 (PCT/US2019/016463)
[87] (WO2019/156917)
[30] US (62/629,348) 2018-02-12

[11] **3,082,913**
[13] C
[51] **Int.Cl. H04L 5/00 (2006.01) H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD FOR DETERMINING NON-CONTENTION RANDOM ACCESS RESOURCE, NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE DE CONFIGURATION D'ACCES ALEATOIRE SANS CONTENTION, DISPOSITIF RESEAU ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-05-15
[86] 2017-11-15 (PCT/CN2017/111159)
[87] (WO2019/095159)

[11] **3,083,306**
[13] C
[51] **Int.Cl. C22C 19/05 (2006.01)**
[25] EN
[54] **ALLOY FOR GAS TURBINE APPLICATIONS WITH HIGH OXIDATION RESISTANCE**
[54] **ALLIAGE POUR APPLICATIONS DE TURBINE A GAZ AYANT UNE RESISTANCE A L'OXYDATION ELEVEE**
[72] HASSELQVIST, MAGNUS, SE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-05-22
[86] 2018-10-24 (PCT/EP2018/079104)
[87] (WO2019/101456)
[30] EP (17203532.1) 2017-11-24

[11] **3,083,450**
[13] C
[51] **Int.Cl. F24H 4/04 (2006.01)**
[25] EN
[54] **HEAT PUMP WATER HEATER**
[54] **CHAUFFE-EAU POUR THERMOPOMPE**
[72] STEFFES, THOMAS P., US
[72] STEFFES, PAUL J., US
[72] ZELLER, AUSTIN P., US
[72] VETTER, JOSHUA P., US
[73] STEFFES CORPORATION, US
[86] (3083450)
[87] (3083450)
[22] 2020-06-12
[30] US (16/532.752) 2019-08-06

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[11] **3,083,558**
[13] C
[51] **Int.Cl. C08L 63/00 (2006.01) C08J 5/24 (2006.01) C08K 3/36 (2006.01)**
[25] EN
[54] **EPOXY RESIN COMPOSITION FOR FIBER-REINFORCED COMPOSITE MATERIAL, PREPREG AND FIBER-REINFORCED COMPOSITE MATERIAL**
[54] **COMPOSITION DE RESINE EPOXYDE POUR MATERIAU COMPOSITE RENFORCE PAR DES FIBRES, PRE-IMPREGNE, ET MATERIAU COMPOSITE RENFORCE PAR DES FIBRES**
[72] IWATA, MITSUHIRO, JP
[72] ITO, TOMOHIRO, JP
[73] THE YOKOHAMA RUBBER CO., LTD., JP
[85] 2020-05-26
[86] 2018-11-26 (PCT/JP2018/043377)
[87] (WO2019/107307)
[30] JP (2017-228347) 2017-11-28

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[11] **3,083,936**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) C07K 14/725 (2006.01)**
[25] EN
[54] **ANTI-CD19 ANTIBODY OR ANTIGEN-BINDING FRAGMENT AND CD19-SPECIFIC CHIMERIC ANTIGEN RECEPTOR COMPRISING THE SAME**
[54] **ANTICORPS CONTRE CD19 OU FRAGMENT LIANT L'ANTIGENE ET RECEPTEUR D'ANTIGENE CHIMERIQUE SPECIFIQUE A CD19 LE COMPRENANT**
[72] LEE, JONG SEO, KR
[72] KIM, KYU TAE, KR
[72] KO, BONG KOOK, KR
[72] KIM, KI HYUN, KR
[73] ABCLON INC., KR
[85] 2020-05-28
[86] 2018-12-06 (PCT/KR2018/015445)
[87] (WO2019/112347)
[30] KR (10-2017-0166969) 2017-12-06

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[11] **3,084,583**
[13] C
[51] **Int.Cl. F04B 43/00 (2006.01) F04B 43/04 (2006.01)**
[25] FR
[54] **CONTROLLED CRINKLE DIAPHRAGM PUMP**
[54] **CIRCULATEUR A MEMBRANE ONDULANTE PILOTEE**
[72] DELAISSE, GUY, FR
[72] DREVET, JEAN-BAPTISTE, FR
[72] GUILLEMIN, HAROLD, FR
[73] AMS R&D SAS, FR
[85] 2020-06-03
[86] 2018-12-05 (PCT/EP2018/083704)
[87] (WO2019/110695)
[30] FR (1761679) 2017-12-05

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[11] **3,084,795**
[13] C
[51] **Int.Cl. C11D 1/62 (2006.01) C11D 3/00 (2006.01) C11D 3/22 (2006.01) C11D 3/37 (2006.01) C11D 17/00 (2006.01)**
[25] EN
[54] **PARTICULATE LAUNDRY SOFTENING WASH ADDITIVE**
[54] **ADDITIF DE LAVAGE ADOUCISSANT PARTICULAIRE POUR LE LINGE**
[72] ZERHUSEN, JADEN, US
[72] PANANDIKER, RAJAN K., US
[72] FONTAINE, MICHAEL P., US
[72] JOHNSON, LENAE V., US
[72] CORONA, ALESSANDRO III, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-06-04
[86] 2018-11-29 (PCT/US2018/062939)
[87] (WO2019/108716)
[30] US (15/828,513) 2017-12-01

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[11] **3,085,194**
[13] C
[51] **Int.Cl. B01D 53/26 (2006.01) G01N 27/64 (2006.01)**
[25] EN
[54] **GAS HUMIDITY REDUCTION APPARATUS AND METHOD OF USING THE SAME**
[54] **APPAREIL DE REDUCTION DE L`HUMIDITE DU GAZ ET SON PROCEDE D`UTILISATION**
[72] MENG, ZHONGLIANG, US
[72] ZHANG, DAN, US
[72] XU, YUHUI, US
[72] LU, KUI, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (3085194)
[87] (3085194)
[22] 2020-06-30
[30] CN (201910598987.4) 2019-07-04

[11] **3,085,310**
[13] C
[51] **Int.Cl. G06K 19/067 (2006.01) G06K 19/077 (2006.01) G06K 19/12 (2006.01) G06K 19/14 (2006.01)**
[25] EN
[54] **EFFICIENT, SECURE, AND SAFE SYSTEM AND METHOD FOR STORING AND MONITORING DATA USED FOR REFILLING COMPRESSED-GAS TANKS**
[54] **SYSTEME ET PROCEDE EFFICACES, SECURISES ET SURS PERMETTANT DE STOCKER ET DE SURVEILLER DES DONNEES UTILISEES POUR REMPLIR DES RESERVOIRS DE GAZ COMPRIME**
[72] DURAK, TAHSIN, US
[72] BAYAT, ANTHONY B., US
[72] SAYRE, MICHAEL R., US
[72] ADAMS, VINCENT P., US
[73] BAUER COMPRESSORS, INC., US
[85] 2020-06-09
[86] 2018-11-15 (PCT/US2018/000389)
[87] (WO2019/143313)
[30] US (62/618,777) 2018-01-18
[30] US (16/106,744) 2018-08-21

[11] **3,085,495**
[13] C
[51] **Int.Cl. A61B 17/115 (2006.01)**
[25] EN
[54] **HANDLE ASSEMBLY AND STAPLER INCLUDING THE SAME**
[54] **ENSEMBLE POIGNEE ET AGRAFEUSE COMPRENANT CE DERNIER**
[72] CHEN, ZHI, CN
[73] TOUCHSTONE INTERNATIONAL MEDICAL SCIENCE CO., LTD., CN
[85] 2020-06-11
[86] 2018-12-10 (PCT/CN2018/120122)
[87] (WO2019/128688)
[30] CN (201721846446.1) 2017-12-26
[30] CN (201711434954.3) 2017-12-26

[11] **3,085,500**
[13] C
[51] **Int.Cl. A61B 17/115 (2006.01) A61B 17/326 (2006.01)**
[25] EN
[54] **HANDLE ASSEMBLY AND STAPLER INCLUDING THE SAME**
[54] **ENSEMBLE POIGNEE ET AGRAFEUSE COMPRENANT CE DERNIER**
[72] CHEN, WANGDONG, CN
[72] GUO, YI, CN
[72] CHEN, ZHI, CN
[72] LIN, JIANG, CN
[72] XU, XIAOWEI, CN
[73] TOUCHSTONE INTERNATIONAL MEDICAL SCIENCE CO., LTD., CN
[85] 2020-06-11
[86] 2018-12-19 (PCT/CN2018/121973)
[87] (WO2019/128792)
[30] CN (201711435644.3) 2017-12-26
[30] CN (201721846889.0) 2017-12-26

[11] **3,085,609**
[13] C
[51] **Int.Cl. E21B 12/02 (2006.01) E21B 47/01 (2012.01)**
[25] EN
[54] **DOWNHOLE COMPONENT CUMULATIVE DAMAGE SENSORS**
[54] **CAPTEURS DE DETERIORATIONS CUMULATIVES DE COMPOSANTS DE FOND DE TROU**
[72] DIFOGGIO, ROCCO, US
[72] KRUSPE, THOMAS, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2020-06-11
[86] 2018-11-27 (PCT/US2018/062552)
[87] (WO2019/118165)
[30] US (15/843,193) 2017-12-15

[11] **3,085,968**
[13] C
[51] **Int.Cl. E04G 23/02 (2006.01) E04B 1/41 (2006.01) E04C 5/07 (2006.01) E21D 21/00 (2006.01) F16B 13/14 (2006.01) E04C 5/02 (2006.01) E04C 5/16 (2006.01) F16B 5/02 (2006.01)**
[25] EN
[54] **SOCK ANCHOR UNIT**
[54] **UNITE D'ANCRAGE A MANCHON**
[72] FOSTER, TERENCE, GB
[72] PERICARD, BENOIT PIERRE AUGUSTIN, GB
[72] MURRAY, IAN STEWART ALEXANDER, GB
[73] FOSTER, TERENCE, GB
[73] PERICARD, BENOIT PIERRE AUGUSTIN, GB
[73] MURRAY, IAN STEWART ALEXANDER, GB
[85] 2020-06-16
[86] 2018-01-17 (PCT/GB2018/050121)
[87] (WO2018/134578)
[30] GB (1700743.6) 2017-01-17

[11] **3,087,220**
[13] C
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/32 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **MULTI-LAYER ORAL THIN FILM**
[54] **FILM MINCE MULTICOUCHE D'HYGIENE BUCCO-DENTAIRE**
[72] SCHMITZ, CHRISTOPH, DE
[72] LINN, MICHAEL, DE
[73] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-06-26
[86] 2019-01-28 (PCT/EP2019/051960)
[87] (WO2019/145524)
[30] DE (10 2018 101 778.2) 2018-01-26

[11] **3,087,434**
[13] C
[51] **Int.Cl. B23P 19/06 (2006.01) B23K 11/14 (2006.01)**
[25] EN
[54] **SUPPLY ROD FOR SHAFT-LIKE COMPONENT**
[54] **TIGE D'ALIMENTATION POUR COMPOSANT DE TYPE ARBRE**
[72] AOYAMA, SHOJI, JP
[72] AOYAMA, YOSHITAKA, JP
[73] AOYAMA, SHOJI, JP
[85] 2020-06-30
[86] 2018-12-03 (PCT/JP2018/044343)
[87] (WO2019/155743)
[30] JP (2018-031337) 2018-02-06

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[11] **3,087,438**
[13] C
[51] **Int.Cl. B23K 35/368 (2006.01) B23K 35/30 (2006.01)**
[25] EN
[54] **FLUX-CORED WIRE FOR GAS SHIELD ARC WELDING**
[54] **FIL FOURRE POUR SOUDAGE A L'ARC SOUS PROTECTION GAZEUSE**
[72] MURANISHI, YOSHIMASA, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2020-06-30
[86] 2019-01-16 (PCT/JP2019/001147)
[87] (WO2019/142835)
[30] JP (2018-005013) 2018-01-16

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[11] **3,090,741**
[13] C
[51] **Int.Cl. A61N 5/10 (2006.01)**
[25] EN
[54] **PROTON-ARC BEAM DELIVERY SYSTEM**
[54] **SYSTEME DE DELIVRANCE DE FAISCEAU EN ARC DE PROTONS**
[72] SCHIPPERS, JACOBUS MAARTEN, CH
[73] PAUL SCHERRER INSTITUT, CH
[85] 2020-08-07
[86] 2019-01-17 (PCT/EP2019/051163)
[87] (WO2019/154605)
[30] EP (18156088.9) 2018-02-09

---

[11] **3,091,149**
[13] C
[51] **Int.Cl. G06F 1/10 (2006.01)**
[25] EN
[54] **CLOCK DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION D'HORLOGE**
[72] STRONG, JOSHUA A., US
[72] NIELSEN, MAX E., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2020-08-12
[86] 2019-02-18 (PCT/US2019/018396)
[87] (WO2019/173037)
[30] US (15/913,471) 2018-03-06

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[11] **3,092,557**
[13] C
[51] **Int.Cl. E21B 43/117 (2006.01) E21B 43/1185 (2006.01) F42B 1/028 (2006.01) F42B 12/10 (2006.01)**
[25] EN
[54] **SHAPED CHARGE WITH TRI-RADII LINER FOR OILFIELD PERFORATING**
[54] **CHARGE FACONNEE AVEC CHEMISE A TROIS RAYONS POUR PERFORATION DE CHAMP PETROLIFERE**
[72] METZGER, JASON PAUL, US
[72] LIN, STEVE SHIH-HSIANG, US
[72] GROVE, BRENDEN MICHAEL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-08-28
[86] 2018-06-21 (PCT/US2018/038831)
[87] (WO2019/245569)

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[11] **3,092,895**
[13] C
[51] **Int.Cl. B66D 1/50 (2006.01)**
[25] EN
[54] **UNDERGROUND TRACTION SYSTEM ARRANGED IN HORIZONTAL DRIVE MODE AND METHOD OF USING SAME**
[54] **SYSTEME D'ADHERENCE SOUTERRAIN EN MODE DE ROULAGE DE CHANTIER HORIZONTALET METHODE D'UTILISATION**
[72] CAO, GUOHUA, CN
[72] ZHU, ZHENCAI, CN
[72] ZHOU, GONGBO, CN
[72] TANG, YU, CN
[72] PENG, YUXING, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2020-09-01
[86] 2019-09-12 (PCT/CN2019/105581)
[87] (WO2020/125089)
[30] CN (201811541185.1) 2018-12-17

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[11] **3,094,898**
[13] C
[51] **Int.Cl. B32B 15/01 (2006.01) B23K 1/00 (2006.01) C22C 21/00 (2006.01) F28F 21/08 (2006.01)**
[25] EN
[54] **BRAZED HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR BRASE**
[72] KIRKHAM, STEVEN, DE
[73] NOVELIS KOBLENZ GMBH, DE
[85] 2020-09-23
[86] 2019-05-15 (PCT/EP2019/062422)
[87] (WO2019/224063)
[30] EP (18173546.5) 2018-05-22

[11] **3,097,935**
[13] C
[51] **Int.Cl. H01F 27/245 (2006.01)**
[25] EN
[54] **TRANSFORMER CORES AND ASSEMBLY METHODS THEREOF FOR HIGH EFFICIENCY AND HIGH ANTI-CORROSION PERFORMANCE**
[54] **NOYAUX DE TRANSFORMATEUR ET PROCEDES D'ASSEMBLAGE DE CEUX-CI POUR UNE EFFICACITE ELEVEE ET DES PERFORMANCES ANTI-CORROSION ELEVEES**
[72] WANG, ZHONGBO, CN
[72] NAVARRO, MARTIN ALSINA, BR
[72] MORENO, ANDRE LUIZ, BR
[72] CHEN, WEI, CN
[72] LI, HUI, CN
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[73] HAINAN JINPAN SMART TECHNOLOGY CO., LTD., CN
[85] 2020-10-21
[86] 2018-04-23 (PCT/CN2018/084068)
[87] (WO2019/204962)

[11] **3,098,434**
[13] C
[51] **Int.Cl. A45C 5/14 (2006.01) A45C 13/22 (2006.01)**
[25] EN
[54] **IMPROVED PULL HANDLE FOR A ROLLING CASE**
[54] **POIGNEE DE TRACTION AMELIOREE POUR UNE VALISE ROULANTE**
[72] TAYNE, ADRIAN, US
[73] BECKLIN HOLDINGS, INC., US
[85] 2020-10-26
[86] 2019-03-13 (PCT/US2019/022000)
[87] (WO2019/209424)
[30] US (15/963,065) 2018-04-25

[11] **3,099,355**
[13] C
[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/31 (2013.01) G06F 16/95 (2019.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING CUSTOMIZED RESPONSE MESSAGES BASED ON REQUESTED WEBSITE**
[54] **SYSTEME ET PROCEDE POUR FOURNIR DES MESSAGES DE REPONSE PERSONNALISES SUR LA BASE DU SITE WEB DEMANDE**
[72] ROACH, PERRY J., CA
[73] NETSWEEPER (BARBADOS) INC., CA
[86] (3099355)
[87] (3099355)
[22] 2010-06-23
[62] 3,010,378
[30] US (61/270351) 2009-07-07

[11] **3,099,560**
[13] C
[51] **Int.Cl. B08B 15/02 (2006.01) C09K 8/80 (2006.01)**
[25] EN
[54] **VAPOR HOOD FOR A PROPPANT BLENDER**
[54] **HOTTE DE MELANGEUR D'AGENT DE SOUTENEMENT**
[72] FORDYCE, VICTOR, CA
[72] PETERS, COLIN, CA
[73] STEP ENERGY SERVICES LTD., CA
[86] (3099560)
[87] (3099560)
[22] 2013-12-11
[62] 2,836,139

[11] **3,099,670**
[13] C
[51] **Int.Cl. G06K 19/077 (2006.01) G06K 19/02 (2006.01) G06K 19/07 (2006.01) G06K 19/10 (2006.01) G06K 19/18 (2006.01)**
[25] EN
[54] **DUAL INTERFACE METAL SMART CARD WITH BOOSTER ANTENNA**
[54] **CARTE A PUCE METALLIQUE A DOUBLE INTERFACE MUNIE D'UNE ANTENNE AMPLIFICATRICE**
[72] LOWE, ADAM, US
[72] HERSLOW, JOHN, US
[72] DASILVA, LUIS, US
[72] NESTER, BRIAN, US
[73] COMPOSECURE, LLC, US
[85] 2020-11-06
[86] 2019-01-08 (PCT/US2019/012685)
[87] (WO2019/136436)
[30] US (15/976,612) 2018-05-10

[11] **3,104,907**
[13] C
[51] **Int.Cl. G05B 19/042 (2006.01) G08B 19/00 (2006.01) G08B 23/00 (2006.01) G08B 27/00 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **RETROFIT SMART HOME CONTROLLER DEVICE WITH POWER SUPPLY MODULE, CHARGER AND DOCK**
[54] **DISPOSITIF DE COMMANDE DE MAISON INTELLIGENT DE RATTRAPAGE COMPRENANT UN MODULE D'ALIMENTATION ELECTRIQUE, UN CHARGEUR ET UNE STATION D'ACCUEIL**
[72] ELLIOT, DAN NURKO, MX
[72] SOTO, GERARDO GOMEZ, MX
[72] RAMIREZ, CARLOS MUCIMO, MX
[72] RIOS, EDMUNDO LEYVA, MX
[72] LEZAMA, DIEGO, MX
[72] LIRA, JORGE IVAN RAMIREZ, MX
[73] KLEVERNESS INCORPORATED, US
[85] 2020-12-22
[86] 2019-06-24 (PCT/US2019/038643)
[87] (WO2019/246607)
[30] US (62/688,865) 2018-06-22
[30] US (16/448,705) 2019-06-21

[11] **3,105,374**
[13] C
[51] **Int.Cl. B01L 3/00 (2006.01) G01N 33/483 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **SENSOR ASSEMBLY FOR A SAMPLE FLUID ANALYSIS SYSTEM**
[54] **ENSEMBLE CAPTEUR POUR UN SYSTEME D'ANALYSE DE FLUIDE D'ECHANTILLON**
[72] PUDDUCK, CHRISTIAN, US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2020-12-23
[86] 2019-06-20 (PCT/US2019/038170)
[87] (WO2020/005697)
[30] US (62/692,075) 2018-06-29

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[11] **3,108,189**
[13] C
[51] **Int.Cl. B25H 3/02 (2006.01) B65D 21/02 (2006.01)**
[25] EN
[54] **UTILITY ASSEMBLY AND COUPLING MECHANISM**
[54] **ENSEMBLE DE RANGEMENT ET MECANISME DE RACCORDEMENT**
[72] BRUNNER, YARON, IL
[72] HOPPE, CHRISTOPHER S., US
[72] HYMA, STEVEN W., US
[72] SQUIERS, GRANT T., US
[73] KETER PLASTIC LTD., IL
[73] MILWAUKEE ELECTRIC TOOL CORPORATION, US
[86] (3108189)
[87] (3108189)
[22] 2017-04-30
[62] 2,987,892
[30] US (62/330,334) 2016-05-02
[30] US (62/459,076) 2017-02-15

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[11] **3,108,995**
[13] C
[51] **Int.Cl. B67D 1/04 (2006.01) A47G 19/12 (2006.01) B67D 1/08 (2006.01) B67D 1/12 (2006.01) B67D 1/14 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSER AND VARIABLE PRESSURE REGULATOR CAP ASSEMBLY**
[54] **DISTRIBUTEUR DE BOISSONS ET ENSEMBLE BOUCHON REGULATEUR DE PRESSION VARIABLE**
[72] REGE, EVAN CHRISTOPHER, US
[72] MAIER, DONALD CHRISTIAN, US
[72] HUFF, SHAWN LELAND, US
[72] SONNICHSEN, BRIAN EDWARD, US
[73] GROWLERWERKS, INC., US
[86] (3108995)
[87] (3108995)
[22] 2015-05-22
[62] 2,950,147
[30] US (62/002,824) 2014-05-24
[30] US (62/047,594) 2014-09-08
[30] US (62/085,228) 2014-11-26
[30] US (62/146,858) 2015-04-13

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[11] **3,116,579**
[13] C
[51] **Int.Cl. C25B 1/50 (2021.01) B01J 19/08 (2006.01) C05F 11/00 (2006.01) C09K 17/00 (2006.01) C25B 1/04 (2021.01) C12P 1/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ELETROCHEMICALLY INCREASING BIOREACTIVITY OF CARBONACEOUS GEOLOGICAL MATERIALS**
[54] **PROCEDES ET SYSTEMES POUR AUGMENTER ELECTROCHIMIQUEMENT LA BIOREACTIVITE DE MATERIAUX GEOLOGIQUES CARBONES**
[72] FALLGREN, PAUL H., US
[72] JIN, SONG, US
[73] ADVANCED ENVIRONMENTAL TECHNOLOGIES, LLC, US
[85] 2021-04-14
[86] 2019-10-18 (PCT/US2019/057064)
[87] (WO2020/082022)
[30] US (62/747,164) 2018-10-18

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[11] **3,121,029**
[13] C
[51] **Int.Cl. H02K 41/03 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PATH PLANNING FOR A MOVER OF A DRIVE DEVICE**
[54] **DISPOSITIF ET PROCEDE DE PLANIFICATION DE TRAJECTOIRE POUR UN ELEMENT DE DEPLACEMENT D'UN DISPOSITIF D'ENTRAINEMENT**
[72] WEBER, TOBIAS, DE
[72] NEUMANN, KLAUS, DE
[72] WEDDEMANN, ALEXANDER, DE
[72] PENNEKAMP, HUBERTUS, DE
[72] LUTHE, THOMAS, DE
[72] WIEDNER, EVA, DE
[73] BECKHOFF AUTOMATION GMBH, DE
[85] 2021-05-26
[86] 2019-11-26 (PCT/EP2019/082536)
[87] (WO2020/109287)
[30] DE (10 2018 129 738.6) 2018-11-26

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[11] **3,126,490**
[13] C
[51] **Int.Cl. G06N 3/08 (2006.01) E21B 41/00 (2006.01) G05B 13/02 (2006.01) G06E 1/00 (2006.01) G06E 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF PROCESSING DIVERSE DATA SETS WITH A NEURAL NETWORK TO GENERATE SYNTHESIZED DATA SETS FOR PREDICTING A TARGET METRIC**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE DIVERS ENSEMBLES DE DONNEES AVEC UN RESEAU NEURONAL POUR GENERER DES ENSEMBLES DE DONNEES SYNTHETISEES POUR PREDIRE UNE METRIQUE CIBLE**
[72] HAMILTON, DOUGLAS, US
[73] NASDAQ, INC., US
[85] 2021-07-09
[86] 2020-01-16 (PCT/US2020/013784)
[87] (WO2020/150415)
[30] US (62/792,937) 2019-01-16
[30] US (16/744,236) 2020-01-16

[11] **3,126,958**
[13] C
[51] **Int.Cl. B60W 30/18 (2012.01) B60W 40/072 (2012.01) B60W 40/076 (2012.01) B60K 31/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETERMINING AND CONTROLLING VEHICLE SPEED**
[54] **METHODES ET SYSTEMES POUR DETERMINER ET CONTROLER LA VITESSE D'UN VEHICULE**
[72] WALKER, MARY AMELIA, US
[72] HICKSON, NICHOLAS, US
[72] CATRON, ROBERT, US
[72] VAUGHAN, BRIAN, US
[72] LU, HUNG JUNG, US
[73] FREEPORT MCMORAN INC., US
[85] 2021-08-05
[86] 2021-03-16 (PCT/US2021/022499)
[87] (3126958)
[30] US (62/990522) 2020-03-17

[11] **3,129,005**
[13] C
[51] **Int.Cl. H04B 10/118 (2013.01) H04B 10/032 (2013.01) H04B 17/309 (2015.01) H04B 7/185 (2006.01)**
[25] EN
[54] **RF-FSO LINKAGE METHOD AND GROUND STATION SYSTEM PERFORMING THE SAME**
[54] **PROCEDE DE LIAISON DE RADIOFREQUENCE PAR VOIE OPTIQUE DANS L`ESPACE LIBRE ET SYSTEME DE STATION AU SOL CORRESPONDANT**
[72] LEE, SUNGHEE, KR
[73] CONTEC CO., LTD., KR
[86] (3129005)
[87] (3129005)
[22] 2021-08-26
[30] KR (10-2020-0184774) 2020-12-28

[11] **3,130,499**
[13] C
[51] **Int.Cl. C09K 8/10 (2006.01) E21B 21/00 (2006.01)**
[25] EN
[54] **HIGH-PERFORMANCE SEAWATER-BASED POLYMERIC FLUID FOR DRILLING OF RESERVOIRS WITH TOTAL OR PARTIAL LOSS OF CIRCULATION AND HIGHLY REACTIVE CLAYS, AND PROCESS FOR FORMING THE HIGH-PERFORMANCE SEAWATER-BASED POLYMERIC FLUID ON-SITE**
[54] **FLUIDE POLYMERE A BASE D`EAU DE MER HAUTE PERFORMANCE POUR LE FORAGE DE RESERVOIRS COMPORTANT UNE PERTE TOTALE OU PARTIELLE DE CIRCULATION ET DES ARGILES TRES REACTIVES, ET PROCEDE DE FORMATION DU FLUIDE POLYMERE A BASE D`EAU DE MER HAUTE PERFORMANCE SUR PLACE**
[72] FERRUSQUIA HERNANDEZ, CARLOS, MX
[72] VALDEZ MANRIQUEZ, LUIS, MX
[73] SOLUCIONES QUIMICAS INTEGRADAS ARCARAN, S.A. DE C.V., MX
[86] (3130499)
[87] (3130499)
[22] 2021-09-13
[30] MX (MX/A2021/004673) 2021-04-22

[11] **3,130,619**
[13] C
[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/485 (2006.01) A61P 25/36 (2006.01)**
[25] EN
[54] **NALOXONE FORMULATIONS FOR SUBLINGUAL AND/OR BUCCAL ADMINISTRATION**
[54] **PREPARATIONS DE NALOXONE A ADMINISTRER PAR VOIE SUBLINGUALE ET/OU BUCCALE**
[72] MCCARTY, JOHN A., US
[73] PHARMACEUTICAL PRODUCTIONS, INC., US
[85] 2021-08-17
[86] 2020-02-21 (PCT/US2020/019162)
[87] (WO2020/172498)
[30] US (62/808,363) 2019-02-21
[30] US (62/808,386) 2019-02-21

[11] **3,133,463**
[13] C
[51] **Int.Cl. G01R 31/08 (2020.01) H02H 3/38 (2006.01)**
[25] EN
[54] **FAULT LOCATION SYSTEM USING VOLTAGE OR CURRENT MEASUREMENT FROM DIVERSE LOCATIONS ON A DISTRIBUTION NETWORK**
[54] **SYSTEME DE LOCALISATION DE DEFAILLANCE UTILISANT UNE MESURE DE TENSION OU DE COURANT A PARTIR DE DIVERS EMPLACEMENTS SUR UN RESEAU DE DISTRIBUTION**
[72] SHARON, YOAV, US
[73] S&C ELECTRIC COMPANY, US
[85] 2021-09-13
[86] 2020-03-23 (PCT/US2020/024215)
[87] (WO2020/198141)
[30] US (62/823,117) 2019-03-25

[11] **3,134,650**
[13] C
[51] **Int.Cl. C08L 23/12 (2006.01)**
[25] EN
[54] **COMPOSITION CONTAINING RECYCLED MATERIAL FOR PIPES**
[54] **COMPOSITION CONTENANT UN MATERIAU RECYCLE POUR TUYAUX**
[72] RUEMER, FRANZ, AT
[72] BORAGNO, LUCA, AT
[72] SCHIESSER, STEFAN, AT
[72] DREILING, GUENTER, AT
[72] HOLLSTEN, CHRISTIAN, FI
[72] LIEDAUER, SIEGFRIED, AT
[72] OLLIKAINEN, ANDREI, FI
[72] PEZARD, THIERRY, FR
[73] BOREALIS AG, AT
[85] 2021-09-22
[86] 2020-03-16 (PCT/EP2020/057079)
[87] (WO2020/200730)
[30] EP (19166155.2) 2019-03-29

[11] **3,135,261**
[13] C
[51] **Int.Cl. A47G 9/08 (2006.01) A61M 21/02 (2006.01)**
[25] EN
[54] **BODY COMPRESSION SLEEPWEAR WITH A LEG OPENING**
[54] **VETEMENT POUR DORMIR A COMPRESSION DU CORPS ET COMPORTANT UNE OUVERTURE POUR LES JAMBES**
[72] MUNDT, MATTHEW J., US
[73] MUNDT, MATTHEW J., US
[86] (3135261)
[87] (3135261)
[22] 2021-10-21
[30] US (17/142,396) 2021-01-06

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[11] **3,136,323**
[13] C
[51] **Int.Cl. F42B 39/26 (2006.01) B65D 43/02 (2006.01) B65D 43/12 (2006.01) F41A 9/84 (2006.01) F42B 39/00 (2006.01)**
[25] EN
[54] **AMMUNITION HOLSTER**
[54] **ETUI DE MUNITIONS**
[72] BOYAJIAN, WILLIAM, US
[73] BOYAJIAN, WILLIAM, US
[85] 2021-10-06
[86] 2020-03-18 (PCT/US2020/023322)
[87] (WO2020/209993)
[30] US (62/833,187) 2019-04-12

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[11] **3,137,061**
[13] C
[51] **Int.Cl. E21B 21/10 (2006.01) E21B 7/18 (2006.01) E21B 7/24 (2006.01) E21B 21/08 (2006.01) E21B 21/12 (2006.01) E21B 34/06 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR GENERATING FLUID PRESSURE PULSES OF ADJUSTABLE AMPLITUDE**
[54] **PROCEDE ET APPAREIL POUR GENERER DES IMPULSIONS DE PRESSION DE FLUIDE D'AMPLITUDE REGLABLE**
[72] COLLINS, ANTHONY LOUIS, US
[72] WILLIAMS, THOMAS CLIFFORD, US
[72] WELL, CHRISTOPHER ADAM, US
[72] MCCULLOUGH, ROBERT WILLIAM, CA
[72] HAGAR, EVERETT PHILIP, CA
[73] NTS AMEGA WEST USA, INC., US
[85] 2021-10-15
[86] 2019-10-22 (PCT/US2019/057389)
[87] (WO2020/214207)
[30] US (62/834,648) 2019-04-16

---

[11] **3,141,868**
[13] C
[51] **Int.Cl. E04H 12/22 (2006.01) E04F 11/18 (2006.01) E04G 5/00 (2006.01) E04G 5/14 (2006.01) E04G 21/32 (2006.01) E04H 17/22 (2006.01)**
[25] EN
[54] **GUARDRAIL POST HOLDER FOR CONSTRUCTION PLATFORM**
[54] **SUPPORT DE POTEAU A GARDE-CORPS POUR UNE PLATEFORME DE CONSTRUCTION**
[72] CHARITOU, GEORGE, CA
[72] CHOUDHRY, MUBASHIR, CA
[73] CHARITOU, GEORGE, CA
[85] 2021-12-10
[86] 2021-08-17 (PCT/CA2021/051138)
[87] (3141868)
[30] US (63,066,384) 2020-08-17

---

[11] **3,144,354**
[13] C
[51] **Int.Cl. H04L 12/12 (2006.01) G06F 16/955 (2019.01) H04L 43/02 (2022.01) H04L 43/10 (2022.01)**
[25] EN
[54] **MIDDLEWARE-MEDIATED USER-TO-USER SERVICE BETWEEN USERS OF DIFFERENT COMPUTING SYSTEMS**
[54] **SERVICE UTILISATEUR-UTILISATEUR A MEDIATION PAR INTERGICIEL ENTRE DES UTILISATEURS DE DIFFERENTS SYSTEMES INFORMATIQUES**
[72] JOHNSON, PHILIP L., US
[72] DOWNING, DUSTIN TRAVIS, US
[72] HUNTER, DAN, US
[73] WHEEL HEALTH, INC., US
[85] 2021-12-20
[86] 2020-06-18 (PCT/US2020/038381)
[87] (WO2020/257419)
[30] US (16/448,765) 2019-06-21

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[11] **3,145,678**
[13] C
[51] **Int.Cl. C07D 309/10 (2006.01) A61K 31/7034 (2006.01) A61P 3/10 (2006.01) C07H 7/04 (2006.01)**
[25] EN
[54] **SGLT2/DPP4 INHIBITOR AND APPLICATION THEREOF**
[54] **INHIBITEUR DE SGLT2/DPP4 ET SON APPLICATION**
[72] MAO, QINGHUA, CN
[72] YU, TAO, CN
[72] GAN, LU, CN
[72] LI, YI, CN
[72] WU, CHENGDE, CN
[72] CHEN, SHUHUI, CN
[73] MEDSHINE DISCOVERY INC., CN
[85] 2022-01-25
[86] 2020-07-24 (PCT/CN2020/104521)
[87] (WO2021/018044)
[30] CN (201910683099.2) 2019-07-26
[30] CN (202010119914.5) 2020-02-26
[30] CN (202010572226.4) 2020-06-22

[11] **3,147,656**
[13] C
[51] **Int.Cl. A01K 1/00 (2006.01) A01K 1/06 (2006.01)**
[25] EN
[54] **PORTABLE LIVESTOCK HANDLING APPARATUS WITH FOLDABLE FORCE TUB AND EXTENDABLE/COLLAPSIBLE CHASSIS**
[54] **APPAREIL DE MANIPULATION DE BETAIL TRANSPORTABLE AVEC ENCLOS DE FORCAGE PLIANT ET CHASSIS EXTENSIBLE/TELESCOPIQUE**
[72] LANGRELL, STEPHEN ARTHUR, CA
[72] FIRTH, PHILIP MALCOLM, CA
[73] NORTHQUIP INC., CA
[85] 2022-01-17
[86] 2019-11-04 (PCT/CA2019/051566)
[87] (WO2021/087596)

Canadian Applications Open to Public Inspection

August 7, 2022 to August 13, 2022

Demandes canadiennes mises à la disponibilité du public

7 août 2022 au 13 août 2022

[21] **3,108,196**
[13] A1
[51] **Int.Cl. A63B 26/00 (2006.01) A63B 22/00 (2006.01) B62B 3/00 (2006.01)**
[25] EN
[54] **WHEEL UNIT FOR FITNESS EQUIPMENT**
[54] **UNITE DE ROUE POUR UN EQUIPEMENT D'EXERCICE PHYSIQUE**
[72] GU, HAIDONG, US
[71] CYCLINGDEAL USA, INC., US
[22] 2021-02-08
[41] 2022-08-08

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[21] **3,108,365**
[13] A1
[51] **Int.Cl. B66F 3/46 (2006.01) B66F 3/08 (2006.01) E04G 23/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR STRUCTURE LIFTING**
[54] **SYSTEME ET METHODE DE LEVAGE DE STRUCTURE**
[72] WENSEL, MONTY, CA
[72] JONASSON, ERIC, CA
[72] FULTON, SHAWN, CA
[71] FS MANUFAB, INC., CA
[22] 2021-02-08
[41] 2022-08-08

---

[21] **3,108,406**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **PIECE VERSUS MULTI-PIECE CARRIER OPTIMIZATION**
[54] **OPTIMISATION DE TRANSPORTEUR A ARTICLE UNIQUE OU A ARTICLES MULTIPLES**
[72] MISHRA, ASHUTOSH PRAKASH, IN
[72] VUMMADI, MANOHAR REDDY, IN
[72] MANJUNATH, AISHWARYA, IN
[72] NASERI, EHSANALLAH, IN
[72] HASEEB, IQRA, IN
[72] DESHPANDE, TANUJ, IN
[71] WALMART APOLLO, LLC, US
[22] 2021-02-08
[41] 2022-08-08

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[21] **3,108,473**
[13] A1
[51] **Int.Cl. A47B 47/04 (2006.01) A47B 77/00 (2006.01) A47B 96/00 (2006.01)**
[25] EN
[54] **CABINETS, CABINET ASSEMBLY SYSTEMS AND METHODS OF CABINET CONSTRUCTION**
[54] **ARMOIRES, SYSTEMES D'ASSEMBLAGE D'ARMOIRES ET METHODES DE CONSTRUCTION D'ARMOIRES**
[72] SHEN, SHIYUAN, CA
[71] SHEN, SHIYUAN, CA
[22] 2021-02-08
[41] 2022-08-08

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[21] **3,108,480**
[13] A1
[51] **Int.Cl. F23L 17/04 (2006.01) F23J 13/00 (2006.01)**
[25] EN
[54] **VENT TERMINATION FOR HOUSEHOLD EXHAUST, COMBUSTION GASES AND AIR INTAKE**
[54] **TERMINAISON D'EVENT POUR LES GAZ DE COMBUSTION D'ECHAPPEMENT ET LA PRISE D'AIR**
[72] BARBER, NICHOLAS, CA
[71] HYBRID ENERGIES ALTERNATIVES TECHNOLOGIES INC., CA
[22] 2021-02-09
[41] 2022-08-09

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[21] **3,108,489**
[13] A1
[51] **Int.Cl. B60C 7/06 (2006.01) B60C 7/14 (2006.01)**
[25] EN
[54] **VARIABLE COMPLIANCE METALLIC WHEEL COMPRISING TORQUE MEASURING DEVICE**
[54] **ROUE METALLIQUE A CONFORMITE VARIABLE COMPRENANT UN DISPOSITIF DE MESUREDE COUPLE**
[72] PAPANTONIOU, VASSILIOS, GR
[71] HTR SA, GR
[22] 2021-02-08
[41] 2022-08-08

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[21] **3,108,490**
[13] A1
[51] **Int.Cl. G03B 17/02 (2021.01) H04N 5/225 (2006.01) H04N 5/76 (2006.01) G08B 13/196 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **SOCKET CAMERA**
[54] **CAMERA SUR DOUILLE D'AMPOULE**
[72] VERNON, KEVIN, CA
[71] VERNON, KEVIN, CA
[22] 2021-02-10
[41] 2022-08-10

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[21] **3,108,493**
[13] A1
[51] **Int.Cl. A01G 13/02 (2006.01)**
[25] EN
[54] **WEED BARRIER/MOISTURE RETENTION COVER FOR BAGGED OR POTTED PLANTS**
[54] **COUVERTURE ANTI-MAUVAISES HERBES ET RETENANT L'HUMIDITE POUR LES PLANTES EN SAC OU EN POT**
[72] KHAROUFEH, KHRISTOPHER, CA
[71] KHAROUFEH, KHRISTOPHER, CA
[22] 2021-02-11
[41] 2022-08-11

[21] **3,108,496**
[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01)**
[25] FR
[54] **LARGE-SCALE SNOW REMOVAL SYSTEM, VEHICLE EQUIPPED WITH SUCH A SYSTEM, KIT FOR ASSEMBLING IT, AND ASSEMBLY AND CORRESPONDING OPERATION AND USE METHODS**
[54] **SYSTEME A GRAND DEPLOIEMENT POUR LE DENEIGEMENT, VEHICULE POUR VU D'UN TEL SYSTEME, KIT POUR L'ASSEMBLER, ET METHODES D'ASSEMBLAGE, D'OPERATION ET D'UTILISATION CORRESPONDANTES**
[72] LESSARD, CHARLES, CA
[72] BISSONNETTE, JEAN-SEBASTIEN, CA
[72] SIMARD, ROBERT, CA
[72] CHAMPOUX-BOUCHARD, SIMON, CA
[72] BOURQUE, JEAN-PHILIPPE, CA
[72] ARCHAMBAULT, YVON, CA
[72] BOUCHARD, MATHIEU, CA
[71] TENCO INC., CA
[22] 2021-02-10
[41] 2022-08-10

[21] **3,108,522**
[13] A1
[51] **Int.Cl. A41D 13/11 (2006.01)**
[25] EN
[54] **FACE MASK**
[54] **MASQUE**
[72] ALTAHIR, YASIR, CA
[71] ALTAHIR, YASIR, CA
[22] 2021-02-10
[41] 2022-08-09
[30] US (17/170,974) 2021-02-09

[21] **3,108,550**
[13] A1
[51] **Int.Cl. A61L 9/16 (2006.01) A61L 9/20 (2006.01)**
[25] EN
[54] **AIR DISINFECTION DEVICE USING OZONE FOR KILLING VIRUSES, FUNGI AND BACTERIA, AS WELL AS AN OZONE RECOMBINATION UNIT**
[54] **DISPOSITIF DE DESINFECTION DE L'AIR AU MOYEN D'OZONE POUR TUER LES VIRUS, LES CHAMPIGNONS ET LES BACTERIES, ET UNITE DE RECOMBINAISON D'OZONE**
[72] GROHOLY, TIBOR GABOR, HU
[71] GROHOLY, TIBOR GABOR, HU
[22] 2021-02-08
[41] 2022-08-08

[21] **3,108,555**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01)**
[25] EN
[54] **HUMAN-CENTRIC HEALTH RECORD SYSTEM AND RELATED METHODS**
[54] **SYSTEME DE DOSSIERS MEDICAUX AXE SUR LES HUMAINS ET METHODES CONNEXES**
[72] BESSETTE, LUC, CA
[72] LEBORGNE, YVES, CA
[72] ROUSSEAU, MATHIEU, CA
[71] BESSETTE, LUC, CA
[22] 2021-02-08
[41] 2022-08-08

[21] **3,108,571**
[13] A1
[51] **Int.Cl. E05B 75/00 (2006.01)**
[25] FR
[54] **SPREADER BAR FOR SEX PRACTICE**
[54] **BARRE EXTENSIBLE POUR PRATIQUE SEXUELLE**
[72] DRISDELLE, JEREMIE, CA
[71] DRISDELLE, JEREMIE, CA
[22] 2021-02-10
[41] 2022-08-10

[21] **3,108,573**
[13] A1
[51] **Int.Cl. C07K 16/12 (2006.01) A23K 10/30 (2016.01) A01H 6/82 (2018.01) A01H 5/00 (2018.01) A61K 39/395 (2006.01) A61K 39/40 (2006.01) A61P 31/04 (2006.01) C07K 16/00 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/67 (2006.01) C12N 15/82 (2006.01) C12P 21/00 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **RECOMBINANT PLANT-DERIVED ANTIBODIES AND FC VARIANTS AND RELATED METHODS**
[54] **ANTICORPS RECOMBINANTS DERIVES DE PLANTES, VARIANTS FC ET METHODES CONNEXES**
[72] MENASSA, RIMA, CA
[72] CHIN-FATT, ADAM, CA
[72] SABERIANFAR, REZA, CA
[72] HENRY, KEVIN, CA
[71] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF AGRICULTURE AND AGRI-FOOD CANADA, CA
[22] 2021-02-08
[41] 2022-08-08

[21] **3,108,592**
[13] A1
[51] **Int.Cl. G06F 16/40 (2019.01) G09B 5/06 (2006.01) G06Q 40/04 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRESENTING MULTIMEDIA CONTENT**
[54] **SYSTEMES ET METHODES POUR PRESENTER DU CONTENU MULTIMEDIA**
[72] BALDWIN, GREGORY JOHN, CA
[72] SANDRE, BRUNO, CA
[72] NANDA, ARJUN, CA
[72] SOURANI, DANIEL, CA
[72] CHINAPEN, SHAUN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-02-12
[41] 2022-08-12

[21] **3,108,606**
[13] A1
[51] **Int.Cl. C10G 1/04 (2006.01)**
[25] EN
[54] **NON-AQUEOUS EXTRACTION AND SEPARATION OF BITUMEN FROM OIL SANDS ORE INCLUDING DEASPHALTING AND WASHING STAGES**
[54] **EXTRACTION ET SEPARATION NON AQUEUSES DE BITUME A PARTIR DE MINERAI DE SABLES BITUMINEUX COMPRENANT DES ETAGES DE DESASPHALTAGE ET DE NETTOYAGE**
[72] ABBASPOUR, ALI, CA
[72] HOSSEINI ANVARI, MONIR, CA
[72] VAN DER MERWE, SHAWN, CA
[72] VAEZI GHOBAEIYEH, FARID, CA
[72] HUQ, IFTIKHAR, CA
[72] CAO, JIAYI CLAIRE, CA
[72] CHENG, ROY, CA
[72] DOUCETTE, BRIAN, CA
[72] NIKOOYEH, KASRA, CA
[72] SETH, DEEPYAMAN, CA
[72] MCFARLANE, RICHARD, CA
[72] BLEILE, JOHN, CA
[71] SUNCOR ENERGY INC., CA
[22] 2021-02-12
[41] 2022-08-12

[21] **3,108,609**
[13] A1
[51] **Int.Cl. G06F 21/50 (2013.01) G06N 20/00 (2019.01) G06N 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MACHINE LEARNING BASED DETECTION OF FRAUD**
[54] **SYSTEME ET METHODE DE DETECTION DE LA FRAUDE FONDEE SUR L'APPRENTISSAGE AUTOMATIQUE**
[72] WONG, KEITONG, CA
[72] ZOU, LU, CA
[72] WANG, YIFAN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-02-11
[41] 2022-08-11

[21] **3,108,625**
[13] A1
[51] **Int.Cl. A61F 13/472 (2006.01)**
[25] EN
[54] **REUSABLE MENSTRUAL PAD**
[54] **SERVIETTE HYGIENIQUE REUTILISABLE**
[72] MCNAMARA, KARMEN, CA
[72] WILKINSON, NICOLLE, CA
[71] MCNAMARA, KARMEN, CA
[22] 2021-02-12
[41] 2022-08-12

[21] **3,108,828**
[13] A1
[51] **Int.Cl. A01B 73/04 (2006.01) A01B 73/02 (2006.01)**
[25] EN
[54] **ACTIVE DOWN-PRESSURE ARRANGEMENT FOR AN AGRICULTURAL IMPLEMENT**
[54] **CONFIGURATION DE PRESSION VERS LE BAS ACTIVE POUR UN APPAREIL VERS LE BAS**
[72] SCHERNERHORN, NATHAN, US
[71] SCHERNERHORN, NATHAN, US
[22] 2021-02-09
[41] 2022-08-09

[21] **3,109,022**
[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01) B65D 81/18 (2006.01) B65D 85/72 (2006.01)**
[25] EN
[54] **UVC WATER BOTTLE AND METHOD FOR DIRECT UVC DISINFECTION OF HARMFUL MICROORGANISMS IN UNTREATED DRINKING (TAP) WATER INSIDE PLASTIC UVC BOTTLES**
[54] **BOUTEILLE D'EAU A RAYONNEMENT ULTRAVIOLET C POUR LA DESINFECTION PAR RAYONNEMENT ULTRAVIOLET C DIRECT DE MICROORGANISMES NUISIBLES DANS L'EAU DE ROBINET NON TRAITEE DANS LES BOUTEILLES EN PLASTIQUE A RAYONNEMENT ULTRAVIOLET C**
[72] BADJARI, ZDENKO, CA
[71] BADJARI, ZDENKO, CA
[22] 2021-02-13
[41] 2022-08-13

[21] **3,109,024**
[13] A1
[51] **Int.Cl. C02F 1/32 (2006.01) C02F 1/00 (2006.01) C02F 1/34 (2006.01) G01N 27/06 (2006.01) G01R 27/22 (2006.01)**
[25] EN
[54] **KITCHEN COUNTERTOP WATER DISINFECTOR AND METHOD FOR UVC DISINFECTION OF HARMFUL MICROORGANISMS IN UNTREATED DRINKING (TAP) WATER**
[54] **DESINFECTANT D'EAU DE COMPTOIR DE CUISINE ET METHODE POUR LA DESINFECTION PAR RAYONNEMENT ULTRAVIOLET C DE MICROORGANISMES NUISIBLES DANS L'EAU DE ROBINET NON TRAITEE**
[72] BADJARI, ZDENKO, CA
[72] UNKNOWN, XX
[71] BADJARI, ZDENKO, CA
[22] 2021-02-12
[41] 2022-08-12

[21] **3,109,041**
[13] A1
[51] **Int.Cl. A47G 29/02 (2006.01) A47B 96/06 (2006.01) A47F 5/08 (2006.01) B25H 3/00 (2006.01) E04B 2/74 (2006.01)**
[25] EN
[54] **ORGANIZER WALL PANEL ASSEMBLY**
[54] **PANNEAU MURAL CLASSEUR**
[72] PRIZZI, GIUSEPPE, CA
[72] VENAFRO, MARCELLO, CA
[71] BOSS BUILT PRODUCTS INC., CA
[22] 2021-02-11
[41] 2022-08-11

[21] **3,109,134**
[13] A1
[51] **Int.Cl. B27G 23/00 (2006.01) B27B 1/00 (2006.01) G01N 21/88 (2006.01) G01N 21/89 (2006.01)**
[25] EN
[54] **WOOD OPTIMIZATION SYSTEM, METHOD OF OPTIMIZING WOOD PRODUCTS AND WOOD PRODUCT SELECTOR THEREFORE**
[54] **SYSTEME D'OPTIMISATION DU BOIS, METHODE D'OPTIMISATION DE PRODUITS DE BOIS ET SELECTEUR DE PRODUITS DE BOIS CONNEXE**
[72] POIRIER, CARL, CA
[72] LOUATI, WASSIM, CA
[72] PAQUET, MARC-ANTOINE, CA
[71] TIMBER TECHNOLOGY INC., CA
[22] 2021-02-12
[41] 2022-08-12

[21] **3,109,187**
[13] A1
[51] **Int.Cl. B65B 35/30 (2006.01) B65B 5/02 (2006.01) B65B 35/00 (2006.01) B65B 35/54 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS LOADING OF CASES WITH ITEMS**
[54] **METHODE ET APPAREIL POUR REMPLIR DES BOITES D'ARTICLES**
[72] LANGEN, H. J. PAUL, CA
[72] BADRIE, SHARRAN, CA
[72] KARDYNAL, TOMASZ, CA
[72] MIGHIU, CONSTANTIN, CA
[71] AFA SYSTEMS LTD., CA
[22] 2021-02-12
[41] 2022-08-12

[21] **3,110,672**
[13] A1
[51] **Int.Cl. B65B 5/02 (2006.01) B65B 7/16 (2006.01) B65G 65/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS LOADING OF CASES WITH ITEMS**
[54] **METHODE ET APPAREIL POUR REMPLIR DES BOITES D'ARTICLES**
[72] LANGEN, H. J. PAUL, CA
[72] BADRIE, SHARRAN, CA
[72] KARDYNAL, TOMASZ, CA
[72] MIGHIU, CONSTANTIN, CA
[71] AFA SYSTEMS LTD., CA
[22] 2021-02-26
[41] 2022-08-12
[30] CA (3109187) 2021-02-12

[21] **3,113,214**
[13] A1
[51] **Int.Cl. G01S 7/41 (2006.01) G06F 16/90 (2019.01)**
[25] EN
[54] **RADAR SYSTEM DEVICE AND METHOD FOR CORROBORATING HUMAN REPORTS ON HIGH-RISK, SEARCH & RESPONSE INCIDENTS**
[54] **DISPOSITIF ET METHODE DE SYSTEME RADAR POUR CORROBORER DES RAPPORTS HUMAINS SUR LES INCIDENTS DE RECHERCHE ET DE REPONSE A RISQUE ELEVE**
[72] NOHARA, TIMOTHY J., CA
[71] ACCIPITER RADAR TECHNOLOGIES, INC., CA
[22] 2021-03-25
[41] 2022-08-09
[30] US (17/171,663) 2021-02-09

[21] **3,114,698**
[13] A1
[51] **Int.Cl. H01R 13/639 (2006.01) A45D 2/00 (2006.01) A45D 6/00 (2006.01)**
[25] EN
[54] **NOVEL POWER CORD DETACHABLE STRUCTURE FOR PORTABLE HAIR CURLER**
[54] **NOUVELLE STRUCTURE DETACHABLE DE CORDON D'ALIMENTATION POUR UN FER A FRISER PORTATIF**
[72] PENG, JINHU, CN
[71] DONGGUAN LISI INTELLIGENT TECHNOLOGY CO., LTD., CN
[22] 2021-04-12
[41] 2022-08-08
[30] US (17/169,573) 2021-02-08

[21] **3,130,686**
[13] A1
[51] **Int.Cl. A61C 19/00 (2006.01) A61L 2/10 (2006.01) A61L 2/20 (2006.01) A61L 9/20 (2006.01)**
[25] EN
[54] **AUTOMATIC AEROSOL AND DROPLET HYBRID SANITIZATION SYSTEM FOR DENTISTRY**
[54] **SYSTEME D'ASSAINISSEMENT HYBRIDE AUTOMATIQUE DES AEROSOLS ET DES GOUTTELETTES POUR DES APPLICATIONS DE DENTISTERIE**
[72] MOSAVI, SEYADALI, CA
[72] DEHNAVI, VIDA KARGAR, CA
[71] DENTSAFE BIOMEDICAL INCORPORATED, CA
[22] 2021-09-13
[41] 2022-08-08
[30] US (17/169,822) 2021-02-08

[21] **3,131,255**
[13] A1
[51] **Int.Cl. H04W 12/50 (2021.01) G01L 19/12 (2006.01) G08B 13/00 (2006.01)**
[25] EN
[54] **SECURITY APPLIANCE FOR PROTECTING POWER-SAVING WIRELESS DEVICES AGAINST ATTACK**
[54] **APPAREIL DE SECURITE POUR PROTEGER LES DISPOSITIFS SANS FIL D'ECONOMIE D'ENERGIE CONTRE LES ATTAQUES**
[72] MUNTEANU, CRISTIAN, RO
[72] SZENTE, BALINT, RO
[72] FARKAS, GYULA, RO
[71] BITDEFENDER IPR MANAGEMENT LTD, CY
[22] 2021-09-20
[41] 2022-08-12
[30] US (17/248,909) 2021-02-12

[21] **3,133,288**
[13] A1
[51] **Int.Cl. A63H 3/00 (2006.01) A63H 3/04 (2006.01) A63H 9/00 (2006.01)**
[25] EN
[54] **POSEABLE AND SELF-STANDING DOLL COMPRISING INTERNAL WIRING AND METHODS OF MAKING AND USING THE SAME**
[54] **POUPEE POUVANT POSER ET SE TENIR DEBOUT DE FACON AUTONOME COMPRENANT UN CABLAGE INTERNE ET METHODES DE FABRICATION ET D'UTILISATION**
[72] WELSH-BROCKMAN, AMY LYNN, US
[71] WELSH-BROCKMAN, AMY LYNN, US
[22] 2021-10-05
[41] 2022-08-10
[30] US (17/172,425) 2021-02-10
[30] US (17/481,982) 2021-09-22

[21] **3,133,480**
[13] A1
[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/04 (2012.01) G06Q 20/36 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONDUCTING SECURE FINANCIAL TRANSACTIONS**
[54] **SYSTEME ET METHODE DE REALISATION D'OPERATIONS FINANCIERES SECURISEES**
[72] KOLCHIN, DMITRIY, US
[71] IWALLET, INC., US
[22] 2021-10-06
[41] 2022-08-09
[30] US (17229238) 2021-04-13
[30] US (63147266) 2021-02-09
[30] US (63161590) 2021-03-16

[21] **3,133,483**
[13] A1
[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONDUCTING SECURE FINANCIAL TRANSACTIONS**
[54] **SYSTEME ET METHODE DE REALISATION D'OPERATIONS FINANCIERES SECURISEES**
[72] KOLCHIN, DMITRIY, US
[71] IWALLET, INC., US
[22] 2021-10-06
[41] 2022-08-09
[30] US (17229238) 2021-04-13
[30] US (17366266) 2021-07-02
[30] US (63147266) 2021-02-09
[30] US (63161590) 2021-03-16
[30] US (63176516) 2021-04-19

[21] **3,133,488**
[13] A1
[51] **Int.Cl. G06Q 20/04 (2012.01) G06Q 20/36 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONDUCTING SECURE FINANCIAL TRANSACTIONS**
[54] **SYSTEME ET METHODE DE REALISATION D'OPERATIONS FINANCIERES SECURISEES**
[72] KOLCHIN, DMITRIY, US
[71] IWALLET, INC., US
[22] 2021-10-06
[41] 2022-08-09
[30] US (63147266) 2021-02-09
[30] US (63161590) 2021-03-16
[30] US (17229238) 2021-04-13
[30] US (63176516) 2021-04-19
[30] US (17366266) 2021-07-02
[30] US (17398590) 2021-08-10

[21] **3,135,997**
[13] A1
[51] **Int.Cl. B64F 5/60 (2017.01) B64C 3/50 (2006.01) B64C 9/00 (2006.01) B64C 13/00 (2006.01) G01C 9/02 (2006.01)**
[25] EN
[54] **CALIBRATION SYSTEM AND METHOD FOR AIRCRAFT CONTROL SURFACE ACTUATION**
[54] **SYSTEME ET METHODE D'ETALONNAGE POUR L'ACTIONNEMENT D'UNE GOUVERNE D'AERONEF**
[72] VANCE, JONATHAN B., US
[72] MARTIGNONI, ANDREW J., US
[71] THE BOEING COMPANY, US
[22] 2021-10-26
[41] 2022-08-11
[30] US (63/148298) 2021-02-11
[30] US (17/449044) 2021-09-27

[21] **3,138,762**
[13] A1
[51] **Int.Cl. F16C 19/30 (2006.01) F16C 19/44 (2006.01) F16C 33/34 (2006.01)**
[25] EN
[54] **THRUST BEARINGS**
[54] **PALIERS DE BUTEE**
[72] GAUCHER, MATHIEU, FR
[71] RATIER-FIGEAC SAS, FR
[22] 2021-11-10
[41] 2022-08-08
[30] EP (21305169.1) 2021-02-08

[21] **3,140,310**
[13] A1
[51] **Int.Cl. B64C 1/26 (2006.01) B64C 5/02 (2006.01)**
[25] EN
[54] **AIRCRAFT EMPENNAGE WITH A HORIZONTAL STABILIZER INTERFACING AT THE VERTICAL STABILIZER ROOT**
[54] **EMPENNAGE D'AERONEF COMPRENANT UN STABILISATEUR HORIZONTAL SERVANT D'INTERFACE A LA RACINE DE STABILISATEUR VERTICAL**
[72] HONORATO RUIZ, FRANCISCO JAVIER, ES
[72] MURUZABAL SOPELANA, MARIA, ES
[71] AIRBUS OPERATIONS, S.L.U., ES
[22] 2021-11-24
[41] 2022-08-10
[30] EP (21382102.8) 2021-02-10

[21] **3,140,890**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING CUSTOMIZED ELECTRONIC CHECKOUT USER INTERFACES**
[54] **METHODE ET SYSTEME POUR GENERER DES INTERFACES UTILISATEUR DE CAISSE ELECTRONIQUE PERSONNALISEE**
[72] PERREAULT, MATHIEU, CA
[72] MCCRACKEN, LOUIS, CA
[72] BTAICHE, RICHARD, CA
[72] BOUTIN, MATHIAS, CA
[72] DARVEAU, MANUEL, CA
[72] HENG, LOUISE, CA
[71] SHOPIFY INC., CA
[22] 2021-12-01
[41] 2022-08-12
[30] US (17/175,032) 2021-02-12
[30] EP (EP21192784.3) 2021-08-24

[21] **3,141,756**
[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01) B64C 27/26 (2006.01) B64C 27/28 (2006.01) B64C 29/00 (2006.01) B64D 27/24 (2006.01) B64D 35/00 (2006.01)**
[25] EN
[54] **CONFIGURABLE ELECTRICAL ARCHITECTURES FOR EVTOL AIRCRAFT**
[54] **ARCHITECTURES ELECTRIQUES CONFIGURABLES POUR DES AERONEFS A DECOLLAGE ET ATTERRISSAGE VERTICAUX ELECTRIQUE**
[72] HULL, MICHAEL RAYMOND, US
[72] LOVELAND, STEVEN, US
[72] FAN, YUE, US
[71] BELL TEXTRON INC., US
[22] 2021-12-09
[41] 2022-08-11
[30] US (17/173,989) 2021-02-11

[21] **3,142,783**
[13] A1
[25] EN
[54] **LASER BEAM PROCESSING APPARATUSES AND CORRESPONDENT METHOD USING MULTIBEAM INTERFERENCE**
[54] **APPAREILS DE TRAITEMENT AU RAYON LASER ET METHODE CORRESPONDANTE UTILISANT UNE INTERFERENCE MULTIFAISCEAU**
[72] LIU, JOYCE, CA
[71] LIU, JOYCE, CA
[22] 2021-12-17
[41] 2022-08-12
[30] US (17/175,511) 2021-02-12

[21] **3,143,420**
[13] A1
[51] **Int.Cl. E21B 43/117 (2006.01)**
[25] EN
[54] **BRIDGED BULKHEADS FOR A PERFORATING GUN ASSEMBLY**
[54] **CLOISONS RELIEES POUR UN ASSEMBLAGE DE PERFORATEUR**
[72] SULLIVAN, SHELBY L., US
[71] XCONNECT, LLC, US
[22] 2021-12-20
[41] 2022-08-13
[30] US (17/175,651) 2021-02-13
[30] US (17/547,016) 2021-12-09

[21] **3,143,562**
[13] A1
[51] **Int.Cl. E21B 43/117 (2006.01) E21B 43/116 (2006.01)**
[25] EN
[54] **BULKHEAD FOR A PERFORATING GUN ASSEMBLY**
[54] **CLOISON POUR UN ASSEMBLAGE DE PERFORATEUR**
[72] SULLIVAN, SHELBY L., US
[71] XCONNECT, LLC, US
[22] 2021-12-21
[41] 2022-08-13
[30] US (17/175,651) 2021-02-13
[30] US (17/547,053) 2021-12-09

[21] **3,143,576**
[13] A1
[51] **Int.Cl. F16C 33/74 (2006.01) F16J 15/3284 (2016.01) B64C 13/34 (2006.01)**
[25] EN
[54] **THRUST BEARING SEAL FOR THIN WING MULTI SLICE RGA**
[54] **JOINT DE PALIER DE BUTEE POUR FIXATION DE TRAIN ESCAMOTABLE MULTI-PINCEAU D'AILE MINCE**
[72] DARBY, JONATHAN A., GB
[71] GOODRICH ACTUATION SYSTEMS LIMITED, GB
[22] 2021-12-21
[41] 2022-08-08
[30] EP (21275012.9) 2021-02-08

[21] **3,143,726**
[13] A1
[51] **Int.Cl. F16B 7/10 (2006.01) B64D 33/04 (2006.01) F02K 1/54 (2006.01) F02K 1/76 (2006.01)**
[25] EN
[54] **A BIASING SYSTEM FOR AN ACTUATOR**
[54] **SYSTEME DE SOLLICITATION POUR UN ACTIONNEUR**
[72] SOMERFIELD, MICHAEL, GB
[72] HUBBERTSTEY, MARK, GB
[71] GOODRICH ACTUATION SYSTEMS LIMITED, GB
[22] 2021-12-22
[41] 2022-08-09
[30] EP (21155949.7) 2021-02-09

[21] **3,144,804**
[13] A1
[51] **Int.Cl. A01K 39/01 (2006.01)**
[25] EN
[54] **BIRD FEEDER WITH MIXED SEED FEED PORT**
[54] **MANGEOIRE POUR OISEAUX COMPORTANT UN ORIFICE DE GRAINES MIXTES**
[72] LITWILLER, CODY, US
[71] WOODSTREAM CORPORATION, US
[22] 2022-01-06
[41] 2022-08-11
[30] US (17/173,581) 2021-02-11

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[21] **3,144,903**
[13] A1
[51] **Int.Cl. H01S 3/067 (2006.01) H01S 3/13 (2006.01) F41H 13/00 (2006.01)**
[25] EN
[54] **SERVO-STABILIZED PHASE DEMODULATED FIBER AMPLIFIER SYSTEM**
[54] **SYSTEME D'AMPLIFICATEUR A FIBRE A PHASE DEMODULEE SERVOSTABILISE**
[72] GOODNO, GREGORY, US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[22] 2022-01-05
[41] 2022-08-09
[30] US (17/171,009) 2021-02-09

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[21] **3,144,915**
[13] A1
[51] **Int.Cl. G01P 3/44 (2006.01)**
[25] EN
[54] **FABRY-PEROT BASED SPEED SENSOR**
[54] **CAPTEUR DE VITESSE DE FABRY-PEROT**
[72] VALLAMKONDU, ASWIN KUMAR, IN
[72] ANNAMAREDDY, RAMESH, IN
[72] MILLER, MARK SHERWOOD, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2022-01-06
[41] 2022-08-08
[30] IN (202141005206) 2021-02-08

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[21] **3,145,177**
[13] A1
[51] **Int.Cl. A01F 15/07 (2006.01) B65B 11/02 (2006.01)**
[25] EN
[54] **GUIDED BALE WRAPPER**
[54] **ENRUBANNEUSE GUIDEE**
[72] EUBANKS, JASON C., US
[71] DEERE & COMPANY, US
[22] 2022-01-10
[41] 2022-08-12
[30] US (17/248,904) 2021-02-12

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[21] **3,145,557**
[13] A1
[51] **Int.Cl. A23P 20/15 (2016.01) A23L 29/20 (2016.01) A23L 29/212 (2016.01) A23L 29/238 (2016.01) A23L 29/256 (2016.01) A23L 29/262 (2016.01) A23L 29/269 (2016.01) A23P 30/25 (2016.01)**
[25] EN
[54] **A METHOD FOR THE PREPARATION OF A SAUSAGE MIXTURE COATING GEL INCLUDING A HIGH-PRESSURE PROCESSING STEP**
[54] **METHODE DE PREPARATION D'UN GEL DE REVETEMENT DE MELANGE DE SAUCISSE COMPRENANT UNE ETAPE DE TRANSFORMATION A HAUTE PRESSION**
[72] TANGUY, ALAIN, FR
[71] SONJAL, FR
[22] 2022-01-13
[41] 2022-08-09
[30] FR (FR21/01223) 2021-02-09

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[21] **3,145,819**
[13] A1
[51] **Int.Cl. B61B 12/06 (2006.01)**
[25] EN
[54] **FAULT LOCATION SYSTEM**
[54] **SYSTEME DE LOCALISATION D'ANOMALIE**
[72] MATHIEU, CHRISTIAN, FR
[71] POMA, FR
[22] 2022-01-17
[41] 2022-08-11
[30] FR (2101331) 2021-02-11

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[21] **3,145,943**
[13] A1
[51] **Int.Cl. G01S 7/56 (2006.01) G01S 7/521 (2006.01) G01S 15/66 (2006.01)**
[25] EN
[54] **MARINE CHART AND SONAR IMAGE PRESENTATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE PRESENTATION DE CARTE MARINE ET D'IMAGE DE SONAR**
[72] CLARK, JEREMIAH D., US
[71] NAVICO HOLDING AS, NO
[22] 2022-01-18
[41] 2022-08-12
[30] US (17/174415) 2021-02-12

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[21] **3,146,049**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04B 7/22 (2006.01)**
[25] EN
[54] **BEYOND-LINE-OF-SIGHT COMMUNICATION**
[54] **COMMUNICATION AU-DELA DE LA VISIBILITE DIRECTE**
[72] THOMMANA, JOHN, V., US
[72] PAUL, LIZY, US
[71] ROCKWELL COLLINS, INC., US
[22] 2022-01-18
[41] 2022-08-09
[30] US (17/171,324) 2021-02-09
[30] US (17/233,745) 2021-04-19

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[21] **3,146,174**
[13] A1
[51] **Int.Cl. H04W 76/16 (2018.01) H04W 88/06 (2009.01) H04W 4/80 (2018.01)**
[25] EN
[54] **COMMUNICATION IN A DENIED ENVIRONMENT**
[54] **COMMUNICATION DANS UN ENVIRONNEMENT REFUSE**
[72] THOMMANA, JOHN V., US
[72] PAUL, LIZY, US
[71] ROCKWELL COLLINS, INC., US
[22] 2022-01-19
[41] 2022-08-09
[30] US (17/171,324) 2021-02-09

[21] **3,146,196**
[13] A1
[51] **Int.Cl. H04L 9/28 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR KEY AGREEMENT UTILIZING PLACTIC MONOIDS**
[54] **METHODE ET SYSTEME POUR UNE ENTENTE CLE UTILISANT DES MONOIDES PLAXIQUES**
[72] BROWN, DANIEL RICHARD L., CA
[71] BLACKBERRY LIMITED, CA
[22] 2022-01-19
[41] 2022-08-12
[30] US (17/175,075) 2021-02-12

[21] **3,146,293**
[13] A1
[25] EN
[54] **SOLDIER AND SURFACE VEHICLE HEADS-UP DISPLAY IMAGERY COMPENSATION SYSTEM TO ALIGN IMAGERY WITH SURROUNDINGS**
[54] **SYSTEME DE COMPENSATION D'IMAGERIE D'AFFICHAGE FRONTAL POUR LES SOLDATS ET LES VEHICULES DE TERRAIN POUR ALIGNER LES IMAGES SUR L'ENVIRONNMENT**
[72] MILLS, MARTIN, GB
[71] ROCKWELL COLLINS, INC., US
[22] 2022-01-20
[41] 2022-08-12
[30] US (17/174,711) 2021-02-12

[21] **3,146,554**
[13] A1
[51] **Int.Cl. B25F 3/00 (2006.01) B25B 29/00 (2006.01)**
[25] EN
[54] **TOOL PART ATTACHMENT ASSEMBLY, TOOL PART CONNECTOR AND TOOL ASSEMBLY**
[54] **ASSEMBLAGE D'ATTACHE DE PIECE D'OUTIL, CONNECTEUR DE PIECE D'OUTIL ET ASSEMBLAGE D'OUTIL**
[72] PINEAULT, LOUIS-PHILIPPE, CA
[71] 9359-0602 QUEBEC INC., CA
[22] 2022-01-24
[41] 2022-08-11
[30] US (63/148,398) 2021-02-11

[21] **3,146,583**
[13] A1
[51] **Int.Cl. A23B 7/04 (2006.01) A23N 12/06 (2006.01)**
[25] EN
[54] **PROCESS FOR FREEZING KINDS OF FRESH COCONUT FRUITS**
[54] **PROCEDE POUR CONGELER DES TYPES DE NOIX DE COCO FRAICHES**
[72] NAIM, SHADID, DM
[71] NAIM, SHADID, DM
[22] 2022-01-24
[41] 2022-08-08
[30] VN (NO. 1-2021-00723) 2021-02-08

[21] **3,146,757**
[13] A1
[51] **Int.Cl. F01D 17/16 (2006.01) F04D 17/02 (2006.01) F04D 29/46 (2006.01) F04D 29/56 (2006.01)**
[25] EN
[54] **VARIABLE GUIDE VANE ASSEMBLY AND BUSHING THEREFOR**
[54] **ASSEMBLAGE D'AUBE DIRECTRICE VARIABLE ET BAGUE CONNEXE**
[72] IVAKITCH, RICHARD, CA
[72] POICK, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-26
[41] 2022-08-08
[30] US (17/170,140) 2021-02-08

[21] **3,146,823**
[13] A1
[51] **Int.Cl. G08G 1/123 (2006.01) B61L 25/02 (2006.01) G08G 1/01 (2006.01)**
[25] EN
[54] **VECHICLE LOCATION DETERMINING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE LOCALISATION DE VEHICULE**
[72] STAATS, ANDREW RYAN, US
[72] GORMAN, JOSEPH, US
[72] KERNWEIN, JEFFREY D., US
[72] BARR, STUART J., US
[71] TRANSPORTATION IPO HOLDINGS, LLC, US
[22] 2022-01-27
[41] 2022-08-11
[30] US (17/174,065) 2021-02-11

[21] **3,147,041**
[13] A1
[51] **Int.Cl. F25D 11/00 (2006.01)**
[25] EN
[54] **TEMPERATURE-CONTROLLED STORAGE CONTAINER AND RELATED SYSTEMS AND METHODS**
[54] **CONTENANT DE STOCKAGE A TEMPERATURE CONTROLEE ET SYSTEMES ET METHODES CONNEXES**
[72] ALEXANDER, KEVIN, US
[72] BYINGTON, BRECK, US
[71] TRAEGER PELLET GRILLS, LLC, US
[22] 2022-01-28
[41] 2022-08-08
[30] US (17/649,037) 2022-01-26
[30] US (63/199,996) 2021-02-08

[21] **3,147,151**
[13] A1
[51] **Int.Cl. H05B 47/17 (2020.01) H05B 45/20 (2020.01) A61L 2/10 (2006.01) A61L 9/20 (2006.01)**
[25] EN
[54] **MULTI-MODAL LIGHTING CONTROL**
[54] **COMMANDE D'ECLAIRAGE MULTIMODALE**
[72] SINUR, RICHARD R., US
[72] ANDERSON, KYLE, US
[71] BROAN-NUTONE LLC, US
[22] 2022-01-31
[41] 2022-08-12
[30] US (63/148,729) 2021-02-12
[30] US (17/583,842) 2022-01-25

[21] **3,147,312**
[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01)**
[25] EN
[54] **A PROXY AND A COMMUNICATION SYSTEM COMPRISING SAID PROXY**
[54] **SERVEUR MANDATAIRE ET SYSTEME DE COMMUNICATION COMPRENANT LEDIT SERVEUR MANDATAIRE**
[72] ERIKSSON, MARTIN, SE
[72] ERICSSON, ANDERS, SE
[71] XERTIFIED AB, SE
[22] 2022-02-01
[41] 2022-08-12
[30] EP (21156980.1) 2021-02-12

[21] **3,147,524**
[13] A1
[51] **Int.Cl. G06V 40/50 (2022.01) G07C 9/37 (2020.01) G06V 40/18 (2022.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SEAMLESS BIOMETRIC SYSTEM SELF-ENROLLMENT**
[54] **METHODE ET SYSTEME POUR L'AUTOINSCRIPTION SANS HEURT A UN SYSTEME BIOMETRIQUE**
[72] ACKERMAN, DAVID ALAN, US
[72] BOUTOT, KENNETH R., US
[72] DINAPOLI, JAMES, US
[72] DUPIANO, PAUL, US
[72] FLORENT, JEAN-MICHEL, US
[72] MCGALLIARD, DREW, US
[72] MYHRER, ERIK, US
[72] O'CONNOR, KYLE JAMES, US
[72] SINGER, SEAN, US
[72] VARMA, BOBBY, US
[71] PRINCETON IDENTITY, US
[22] 2022-02-02
[41] 2022-08-10
[30] US (63/147,824) 2021-02-10
[30] US (17/569,148) 2022-01-05

[21] **3,147,556**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR FAIL-SAFE BATTERY PROTECTION INDEPENDENT FROM BATTERY MANAGEMENT SYSTEM**
[54] **SYSTEMES ET METHODES POUR UNE PROTECTION DE BATTERIE A SECURITE INTEGREE INDEPENDANTE DU SYSTEME DE GESTION DE BATTERIE**
[72] KHOZIKOV, VYACHESLAV, US
[72] LACAUX, FREDERIC, US
[72] SOLODOVNIK, EUGENE V., US
[72] TRELA, JOHN A., US
[72] MILLER, KOLTEN C., US
[72] KARIMI, KAMIAR J., US
[71] THE BOEING COMPANY, US
[22] 2022-02-02
[41] 2022-08-11
[30] US (63/148,302) 2021-02-11

[21] **3,147,578**
[13] A1
[51] **Int.Cl. C08L 101/00 (2006.01) B33Y 10/00 (2015.01) B33Y 80/00 (2015.01) B29C 64/153 (2017.01) C08K 3/01 (2018.01) B33Y 40/20 (2020.01) B33Y 70/10 (2020.01)**
[25] EN
[54] **POLYMER FILAMENTS COMPRISING A METAL PRECURSOR FOR ADDITIVE MANUFACTURING AND METHODS ASSOCIATED THEREWITH**
[54] **FILAMENTS POLYMERES COMPORTANT UN PRECURSEUR METALLIQUE POUR UN PROCEDE DE FABRICATION ADDITIVE ET METHODES CONNEXES**
[72] HU, NAN-XING, CA
[71] XEROX CORPORATION, US
[22] 2022-02-03
[41] 2022-08-09
[30] US (17/171,500) 2021-02-09

[21] **3,147,614**
[13] A1
[51] **Int.Cl. F01D 17/16 (2006.01) F02C 9/22 (2006.01)**
[25] EN
[54] **UNISON MEMBER FOR VARIABLE GUIDE VANE**
[54] **ELEMENT D'UNISSON POUR UNE AUBE DIRECTRICE VARIABLE**
[72] POICK, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-02-03
[41] 2022-08-12
[30] US (17/175,413) 2021-02-12

[21] **3,147,662**
[13] A1
[51] **Int.Cl. A61K 31/665 (2006.01) A61K 9/20 (2006.01) A61K 31/133 (2006.01) A61K 47/02 (2006.01) A61K 47/38 (2006.01) A61P 13/02 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **NEW FOSFOMYCIN TABLET FORMULATIONS**
[54] **NOUVELLES FORMULATIONS DE COMPRIME DE FOSFOMYCINE**
[72] PRIOR ORTEGA, MARTA, ES
[72] FRANCESCH OLLE, RAMON, ES
[71] LABIANA HEALTH, S.L., ES
[22] 2022-02-03
[41] 2022-08-10
[30] EP (21382104.4) 2021-02-10

[21] **3,147,804**
[13] A1
[51] **Int.Cl. B01D 27/06 (2006.01) A47L 7/00 (2006.01) A47L 9/10 (2006.01) B01D 27/08 (2006.01) B01D 35/02 (2006.01) E04H 4/16 (2006.01)**
[25] FR
[54] **FILTRATION SYSTEM WITH CARTRIDGE CONTAINED IN A SOFT BAG AND VACUUM EQUIPPED WITH SUCH A SYSTEM**
[54] **SYSTEME DE FILTRATION A CARTOUCHE CONTENUE DANS UNE POCHE SOUPLE ET ASPIRATEUR EQUIPE D'UN TEL SYSTEME**
[72] BRUNEEL, JEAN, HK
[72] ROUMAGNAC, MAX, FR
[71] KOKIDO DEVELOPMENT LIMITED, HK
[22] 2022-02-04
[41] 2022-08-11
[30] EP (21156656.7) 2021-02-11

[21] **3,147,821**
[13] A1
[51] **Int.Cl. C07C 29/70 (2006.01) B01D 17/06 (2006.01) C25B 1/04 (2021.01) C25B 15/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING ALKALI METAL ALKOXIDES IN A THREE-CHAMBER ELECTROLYSIS CELL**
[54] **PROCEDE DE PREPARATION D'ALCOOLATES METALLIQUES ALCALINS DANS UNE CELLULE D'ELECTROLYSE A TROIS CHAMBRES**
[72] REINSBERG, PHILIP HEINRICH, DE
[72] HORN, MICHAEL, DE
[71] EVONIK FUNCTIONAL SOLUTIONS GMBH, DE
[22] 2022-02-04
[41] 2022-08-11
[30] EP (21156496.8) 2021-02-11

[21] **3,147,917**
[13] A1
[51] **Int.Cl. A01D 41/12 (2006.01)**
[25] EN
[54] **CONTAINMENT PANEL LINER FOR A FARM COMBINE**
[54] **DOUBLURE DE PANNEAU DE CONFINEMENT POUR UNE MOISSONNEUSE-BATTEUSE**
[72] BOK, RAYMOND L., US
[71] BOK, RAYMOND L., US
[22] 2022-02-04
[41] 2022-08-08
[30] US (63/146,750) 2021-02-08

[21] **3,147,989**
[13] A1
[51] **Int.Cl. B60N 3/00 (2006.01)**
[25] EN
[54] **SUPPORT SYSTEM PROVIDING A SUPPORTING SURFACE FOR REST IN A VEHICLE**
[54] **SYSTEME DE SUPPORT OFFRANT UNE SURFACE DE SUPPORT POUR LE REPOS DANS UN VEHICULE**
[72] HAYCOCK, NICHOLAS, CA
[72] ROOT, PETER ERNEST JAMES, CA
[72] OBIKOYA, OYINKANSOLO, CA
[71] 2321154 ALBERTA INC., CA
[22] 2022-02-07
[41] 2022-08-08
[30] US (63/146,896) 2021-02-08

[21] **3,147,992**
[13] A1
[51] **Int.Cl. H04B 17/364 (2015.01) H04N 21/442 (2011.01) G10L 25/60 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ADAPTIVE OUTPUT**
[54] **SYSTEMES ET METHODES DE SORTIE ADAPTATIVE**
[72] BEGAN, ALI C., US
[72] SYED, YASSER, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-02-07
[41] 2022-08-08
[30] US (63/147,179) 2021-02-08

[21] **3,147,993**
[13] A1
[51] **Int.Cl. F16M 13/02 (2006.01) A47G 7/04 (2006.01) A47G 29/00 (2006.01) E04H 17/00 (2006.01) E04H 17/20 (2006.01)**
[25] EN
[54] **SUPPORT BRACKET FOR FENCE POST OR RAIL**
[54] **FERRURE DE SUPPORT POUR UN POTEAU OU UNE LISSE DE CLOTURE**
[72] COSTA, ANTONIO J., CA
[71] COSTA, ANTONIO J., CA
[22] 2022-02-07
[41] 2022-08-07
[30] US (63/199,985) 2021-02-07

[21] **3,147,994**
[13] A1
[51] **Int.Cl. H01Q 1/24 (2006.01) H04W 88/08 (2009.01)**
[25] EN
[54] **SMALL CELL ANTENNA STRAND MOUNTS AND ASSEMBLIES**
[54] **SUPPORT FILAIRE D'ANTENNE A PETITE CELLULE ET ASSEMBLAGES**
[72] CAMPBELL, ROBERT, US
[72] SEVERIN, MATTHEW, US
[71] COMMSCOPE TECHNOLOGIES LLC, US
[22] 2022-02-07
[41] 2022-08-08
[30] US (63/146,775) 2021-02-08

[21] **3,147,999**
[13] A1
[51] **Int.Cl. A47B 96/06 (2006.01) A47F 5/10 (2006.01)**
[25] EN
[54] **CORNER RETENTION CLIP**
[54] **PINCE DE RETENUE DE COIN**
[72] URBAN, DANIEL J., US
[71] MENASHA CORPORATION, US
[22] 2022-02-07
[41] 2022-08-11
[30] US (63/148,406) 2021-02-11
[30] US (17/592,048) 2022-02-03

[21] **3,148,001**
[13] A1
[51] **Int.Cl. B65G 15/60 (2006.01) B65G 23/02 (2006.01) B65G 23/04 (2006.01) B65G 39/02 (2006.01)**
[25] EN
[54] **BELT CONVEYOR DEVICE WITH DEFLECTING ROLLER**
[54] **DISPOSITIF DE CONVOYEUR A COURROIE A ROULEAU DE DERIVATION**
[72] DORNER, FRED, DE
[71] FRITSCH BAKERY TECHNOLOGIES GMBH & CO. KG, DE
[22] 2022-02-07
[41] 2022-08-10
[30] DE (102021103122.2) 2021-02-10

[21] **3,148,041**
[13] A1
[51] **Int.Cl. A41C 3/00 (2006.01)**
[25] EN
[54] **BRASSIERE**
[54] **BRASSIERE**
[72] TODARO, URSULA GIOVANNA, US
[72] MARTINET, NATHALIE, HK
[72] OSTROSKI. JENNIFER, US
[71] MAST INDUSTRIES (FAR EAST) LIMITED, CN
[22] 2022-02-07
[41] 2022-08-09
[30] US (63/147,462) 2021-02-09
[30] US (17/588,387) 2022-01-31

[21] **3,148,062**
[13] A1
[51] **Int.Cl. A47F 5/08 (2006.01) A47F 7/00 (2006.01)**
[25] EN
[54] **MAGNETIC HARDWARE DISPLAY SYSTEM**
[54] **SYSTEME DE VISUALISATION DE MATERIEL MAGNETIQUE**
[72] BROADHEAD, LAURA THOMPSON, US
[72] BROWN, JESSICA ZINGELMANN, US
[72] ROBERTS, KEELY ANN, US
[72] LEAHY, KENNETH, US
[72] SAPP, ADAM NATHANIEL, US
[72] RESENDIZ, HUGO CESAR, US
[71] AMEROCK, LLC, US
[22] 2022-02-07
[41] 2022-08-11
[30] US (17/173,830) 2021-02-11

[21] **3,148,068**
[13] A1
[25] EN
[54] **SKILL PACK DATA PROCESSING METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE TRAITEMENT DE DONNEES D'UN ENSEMBLE DE COMPETENCES, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] HU, FEI, CN
[72] GAO, YONG, CN
[72] ZHU, HONGLEI, CN
[72] SUN, HUISHENG, CN
[72] CHEN, YONG, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-08
[41] 2022-08-10
[30] CN (202110184624.3) 2021-02-10

[21] **3,148,071**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **BUSINESS DATA PROCESSING METHOD, DEVICE, SYSTEM, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE TRAITEMENT DE DONNEES D'ENTREPRISE, DISPOSITIF, SYSTEME, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] ZHU, TAO, CN
[72] LIU, PANPAN, CN
[72] DONG, JIAJIA, CN
[72] YU, YONGDAO, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-08
[41] 2022-08-10
[30] CN (202110184716.1) 2021-02-10

[21] **3,148,074**
[13] A1
[51] **Int.Cl. G06F 40/20 (2020.01)**
[25] EN
[54] **TEXT INFORMATION EXTRACTING METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE D'EXTRACTION DE RENSEIGNEMENTS TEXTUELS, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] MENG, ZEYANG, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-08
[41] 2022-08-09
[30] CN (202110182750.5) 2021-02-09

[21] **3,148,075**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **REAL-TIME STREAM DATA PROCESSING METHOD, DEVICE, COMPUTER APPARATUS, AND STORAGE MEDIUM**
[54] **METHODE DE TRAITEMENT DE DONNEES DE DIFFUSION EN TEMPS REEL, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] LI, NANYI, CN
[72] WANG, GANG, CN
[72] XU, LIANG, CN
[72] GE, ZHENYU, CN
[72] JIN, LINHAI, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-08
[41] 2022-08-08
[30] CN (202110170663.8) 2021-02-08

[21] **3,148,085**
[13] A1
[51] **Int.Cl. G06N 5/04 (2006.01) G06F 40/279 (2020.01)**
[25] EN
[54] **KNOWLEDGE-GRAPH-BASED SMART CUSTOMER-SERVICE Q&A RECOMMENDATION METHOD AND SYSTEM THEREOF**
[54] **METHODE DE RECOMMANDATION DE QUESTIONS ET REPONSES DE SERVICE A LA CLIENTELE INTELLIGENT A BASE DE GRAPHE DE CONNAISSANCES ET SYSTEME CONNEXE**
[72] ZHAUNG, AORAN, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-08
[41] 2022-08-08
[30] CN (202110170658.7) 2021-02-08

[21] **3,148,087**
[13] A1
[51] **Int.Cl. A47G 1/12 (2006.01) B65D 25/54 (2006.01)**
[25] EN
[54] **PROTECTIVE CASE FOR A COLLECTIBLE**
[54] **BOITIER PROTECTEUR POUR UNE PIECE DE COLLECTION**
[72] CHIU, CHEONG, CA
[72] PATEY, DARRIN, CA
[71] CHIU, CHEONG, CA
[22] 2022-02-08
[41] 2022-08-09
[30] US (63/147,337) 2021-02-09

[21] **3,148,099**
[13] A1
[51] **Int.Cl. A47C 16/04 (2006.01) A47C 3/16 (2006.01) A47C 9/10 (2006.01) A47G 9/06 (2006.01)**
[25] EN
[54] **SELF-INFLATING TRAVEL MEDITATION MAT AND PILLOW**
[54] **TAPIS ET OREILLER DE MEDITATION DE VOYAGE AUTO-GONFLANT**
[72] OWINGS, JESSE, US
[71] OWINGS, JESSE, US
[22] 2022-02-08
[41] 2022-08-09
[30] US (17/171,177) 2021-02-09

[21] **3,148,105**
[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/45 (2013.01) G06F 21/60 (2013.01) G06F 16/27 (2019.01) G06F 16/93 (2019.01) H04L 67/1097 (2022.01)**
[25] EN
[54] **NETWORK PLATFORM FOR SECURE DOCUMENT SHARING AND VERIFICATION**
[54] **PLATEFORME RESEAU POUR LE PARTAGE ET LA VERIFICATION SECURISES DE DOCUMENTS**
[72] BASSILI, ASH, CA
[71] BASSILI, ASH, CA
[22] 2022-02-09
[41] 2022-08-09
[30] US (63/147,294) 2021-02-09

[21] **3,148,110**
[13] A1
[51] **Int.Cl. E04B 1/62 (2006.01) B32B 7/02 (2019.01) E02D 31/00 (2006.01)**
[25] EN
[54] **RADON AND MOISTURE BARRIER FOR BUILDINGS**
[54] **BARRIERE D'ETANCHEITE ET DE RADON POUR DES BATIMENTS**
[72] LOLLEY, KEITH A., US
[71] ADVANCED BUILDING PRODUCTS, INC., US
[22] 2022-02-09
[41] 2022-08-09
[30] US (63/147,570) 2021-02-09

[21] **3,148,113**
[13] A1
[51] **Int.Cl. G06Q 40/08 (2012.01) B60S 5/00 (2006.01)**
[25] EN
[54] **COMPUTER SOFTWARE, COMPUTER SYSTEM, COMPUTER-IMPLEMENTED METHOD FOR PREPARING INSURANCE CLAIMS PACKAGE AND INSURANCE CLAIMS PACKAGE PREPARED BY SAME**
[54] **LOGICIEL, SYSTEME INFORMATIQUE, METHODE EXECUTEE PAR ORDINATEUR POUR PREPARER UNE TROUSSE DE RECLAMATIONS D'ASSURANCE, ET TROUSSE DE RECLAMATIONS D'ASSURANCE AINSI PREPAREE**
[72] GIARRIZZO, MICHAEL JR., US
[72] WEGMAN, HARLEY, MICHAEL, US
[72] WARREN, ANDREW TWEED, US
[71] DCR IP COMPANY, LLC, US
[22] 2022-02-08
[41] 2022-08-09
[30] US (17/172,057) 2021-02-09

[21] **3,148,128**
[13] A1
[51] **Int.Cl. B32B 37/10 (2006.01) B27N 3/00 (2006.01) B29C 70/40 (2006.01) B32B 27/04 (2006.01) B32B 37/08 (2006.01)**
[25] EN
[54] **RAPIDLY COOLING COMPOSITE MATS COMPRISED OF CELLULOSE AND THERMOPLASTIC POLYMER AFTER HOT-PRESSING**
[54] **TAPIS COMPOSITES A REFROIDISSEMENT RAPIDE COMPOSES DE CELLULOSE ET DE POLYMERE THERMOPLASTIQUE APRES UN PRESSAGE A CHAUD**
[72] WINTEROWD, JACK G., US
[72] SPENCER, MATTHEW, US
[72] SUPUT, MARKO, US
[71] CONTINUUS MATERIALS INTELLECTUAL PROPERTY, LLC, US
[22] 2022-02-08
[41] 2022-08-09
[30] US (17/171,766) 2021-02-09

[21] **3,148,147**
[13] A1
[51] **Int.Cl. A47G 29/02 (2006.01) A47F 5/08 (2006.01) E04B 2/74 (2006.01)**
[25] EN
[54] **ORGANIZER WALL PANEL ASSEMBLY**
[54] **PANNEAU MURAL CLASSEUR**
[72] PRIZZI, GIUSEPPE, CA
[71] 2840629 ONTARIO INC., CA
[22] 2022-02-08
[41] 2022-08-11
[30] US (17/173,603) 2021-02-11

[21] **3,148,163**
[13] A1
[51] **Int.Cl. E04B 1/62 (2006.01)**
[25] EN
[54] **NJECTABLE TIE BACK COVER FOR WATERPROOFING, APPARATUS, AND A METHOD OF USING SAME**
[54] **COUVERTURE A EMBRASSE INJECTABLE POUR L'IMPERMEABILISATION, APPAREIL ET METHODE D'UTILISATION**
[72] RUDYAN, AMIR, US
[72] MILLER, PAUL THOMAS, US
[72] STARE, BRADFORD, US
[72] CASERTA, VINCENT, US
[71] RUDYAN, AMIR, US
[22] 2022-02-08
[41] 2022-08-08
[30] US (17/170,853) 2021-02-08

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[21] **3,148,185**
[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01) H04W 12/06 (2021.01) G10L 17/00 (2013.01)**
[25] EN
[54] **MULTI-FACTOR AUTHENTICATION USING CONFIDANT VERIFICATION OF USER IDENTITY**
[54] **AUTHENTIFICATION MULTIFACTEUR UTILISANT LA VERIFICATION CONFIANTE DE L'IDENTITE DE L'UTILISATEUR**
[72] GUAN, JONATHAN, US
[72] YUCRA RODRIGUEZ, JONATAN, US
[72] CHU, JENNIFER, US
[72] VERMA, SAHIL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-02-07
[41] 2022-08-11
[30] US (17/173882) 2021-02-11

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[21] **3,148,201**
[13] A1
[51] **Int.Cl. E04H 17/10 (2006.01) E04H 17/00 (2006.01) E04H 17/26 (2006.01)**
[25] EN
[54] **SECURING DEVICE**
[54] **DISPOSITIF DE FIXATION**
[72] DUNNE, MATTHEW JOHN, AU
[71] PLUSH DUST PTY LTD, AU
[22] 2022-02-08
[41] 2022-08-11
[30] AU (2021900338) 2021-02-11

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[21] **3,148,287**
[13] A1
[51] **Int.Cl. F01D 5/02 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE ROTOR ASSEMBLY AND METHOD OF USING SAME**
[54] **ENSEMBLE ROTOR DE TURBINE A GAZ ET METHODE D'UTILISATION**
[72] DI PAOLA, FRANCO, CA
[72] LALONDE, JULIEN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-02-08
[41] 2022-08-11
[30] US (17/173,493) 2021-02-11

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[21] **3,148,301**
[13] A1
[51] **Int.Cl. G01N 9/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MEASURING THE BRIX OF A LIQUID**
[54] **SYSTEME ET METHODE DE MESURE DU DEGRE BRIX D'UN LIQUIDE**
[72] CHABOT, MARC-ANDRE, CA
[72] CHABOT, MARTIN, CA
[71] LES EQUIPEMENTS D'ERABLIERE C.D.L. INC., CA
[22] 2022-02-10
[41] 2022-08-10
[30] US (63/147,820) 2021-02-10

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[21] **3,148,313**
[13] A1
[51] **Int.Cl. E04H 4/16 (2006.01) B01D 35/02 (2006.01) E04H 4/14 (2006.01)**
[25] EN
[54] **POOL FILTRATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FILTRATION D'UNE PISCINE**
[72] SAFON, THOMAS JOHNSON RAY, US
[72] PINNELL, ERIC, US
[72] MCEWAN, SEAN, US
[71] PENTAIR WATER POOL & SPA, INC., US
[22] 2022-02-10
[41] 2022-08-10
[30] US (63/200,025) 2021-02-10

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[21] **3,148,321**
[13] A1
[51] **Int.Cl. B28B 11/04 (2006.01) B28B 1/087 (2006.01) B28B 13/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTEGRATED COLORING TOP SURFACE OF CLADDINGS AND CONCRETE PAVING STONES**
[54] **SYSTEME ET METHODE POUR LA COLORATION INTEGREE DES SURFACES SUPERIEURES DE PLACAGES ET DALLES DE PAVE EN BETON**
[72] ARGAMAN, GIDEON, IL
[71] ACKERSTEIN INDUSTRIES LTD., IL
[22] 2022-02-09
[41] 2022-08-10
[30] IL (280802) 2021-02-10

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[21] **3,148,337**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **ADAPTIVE COMPUTERIZED ANTI-MONEY LAUNDERING (AML) TRANSACTION PROCESSING**
[54] **TRAITEMENT DE TRANSACTIONS INFORMATISE ADAPTATIF POUR LA LUTTE CONTRE LE BLANCHIMENT D'ARGENT**
[72] CHRISTOFI, LOIZOS, CY
[72] CHRISTOFI, STELIOS, CY
[72] CHRISTOFI, FANOS, CY
[71] EBOS TECHNOLOGIES, CY
[22] 2022-02-10
[41] 2022-08-12
[30] FR (FR 2101373) 2021-02-12

[21] **3,148,342**
[13] A1
[51] **Int.Cl. A47G 1/06 (2006.01) A47G 1/10 (2006.01)**
[25] EN
[54] **CUSTOMIZABLE FRAMING SYSTEM AND METHOD OF ASSEMBLING SAME**
[54] **SYSTEME DE CADRAGE PERSONNALISABLE ET METHODE D'ASSEMBLAGE**
[72] HOLMES, QUENTIN, CA
[71] HOLMES, QUENTIN, CA
[22] 2022-02-10
[41] 2022-08-11
[30] US (17/173,693) 2021-02-11
[30] CA (3,108,952) 2021-02-15
[30] US (17/484,561) 2021-09-24

[21] **3,148,345**
[13] A1
[51] **Int.Cl. B60D 1/167 (2006.01) B60D 1/06 (2006.01) B62D 63/08 (2006.01)**
[25] EN
[54] **TRAILER COUPLER ASSEMBLIES AND RELATED METHODS**
[54] **ASSEMBLAGES D'ATTELAGE DE REMORQUE ET METHODES CONNEXES**
[72] HEITZMANN, DAVID E., US
[72] OPFER, BRIAN, US
[71] MORRYDE INTERNATIONAL, INC., US
[22] 2022-02-11
[41] 2022-08-12
[30] US (63/148,984) 2021-02-12

[21] **3,148,348**
[13] A1
[51] **Int.Cl. G06F 3/14 (2006.01) G06Q 10/06 (2012.01) G06F 9/451 (2018.01) G06F 3/048 (2013.01)**
[25] EN
[54] **PROCESS DATA PROCESSING METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE TRAITEMENT DE DONNEES DE PROCEDE, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] HU, FEI, CN
[72] GAO, YONG, CN
[72] ZHU, HONGLEI, CN
[72] ZHU, WEIKAI, CN
[72] XIAO, DONGDONG, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-10
[41] 2022-08-10
[30] CN (202110184622.4) 2021-02-10

[21] **3,148,366**
[13] A1
[51] **Int.Cl. B60K 15/07 (2006.01) B60K 13/02 (2006.01) B60K 15/063 (2006.01) B60K 15/073 (2006.01)**
[25] EN
[54] **ALL-TERRAIN VEHICLE**
[54] **VEHICULE TOUT-TERRAIN**
[72] DONG, ZHEN, CN
[71] SEGWAY TECHNOLOGY CO., LTD., CN
[22] 2022-02-09
[41] 2022-08-10
[30] CN (202120374068.1) 2021-02-10

[21] **3,148,410**
[13] A1
[51] **Int.Cl. G06F 30/12 (2020.01) G06T 19/20 (2011.01)**
[25] EN
[54] **TRANSPARENT, SEMI-TRANSPARENT, AND OPAQUE DYNAMIC 3D OBJECTS IN DESIGN SOFTWARE**
[54] **OBJETS TRIDIMENSIONNELS DYNAMIQUES TRANSPARENTS, SEMI-TRANSPARENTS ET OPAQUES DANS UN LOGICIEL DE CONCEPTION**
[72] BLODGETT, ROBERT, US
[72] MATTSON, PAUL W., US
[71] DIRTT ENVIRONMENTAL SOLUTIONS INC., US
[22] 2022-02-10
[41] 2022-08-11
[30] US (17/650,378) 2022-02-08
[30] US (63/148,316) 2021-02-11

[21] **3,148,419**
[13] A1
[51] **Int.Cl. G06F 3/04842 (2022.01) G06F 3/0354 (2013.01)**
[25] EN
[54] **ELEMENT PICKING-UP METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE RAMASSAGE D'ELEMENT, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] HU, FEI, CN
[72] GAO, YONG, CN
[72] ZHU, HONGLEI, CN
[72] ZHU, WEIKAI, CN
[72] HUANG, YIBO, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-10
[41] 2022-08-10
[30] CN (202110184625.8) 2021-02-10

[21] **3,148,440**
[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) G06Q 10/10 (2012.01) G06Q 40/02 (2012.01) G06F 16/955 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DATA SECURITY AND FRAUD PREVENTION IN COLLABORATIVE EDITING ENVIRONMENTS**
[54] **SYSTEMES ET METHODES POUR LA SECURITE DES DONNEES ET LA PREVENTION DE LA FRAUDE DANS LES ENVIRONNEMENTS D'EDITION COLLABORATIFS**
[72] RICCHUITI, ANDREW, US
[72] MORRISON, MARK, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-02-11
[41] 2022-08-12
[30] US (17/175,325) 2021-02-12

[21] **3,148,441**
[13] A1
[51] **Int.Cl. G06F 8/33 (2018.01) G06F 40/205 (2020.01)**
[25] EN
[54] **CODE TEXT PROCESSING METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE TRAITEMENT TEXTE DE CODE, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] HU, FEI, CN
[72] GAO, YONG, CN
[72] ZHU, HONGLEI, CN
[72] SUN, HUISHENG, CN
[72] HUANG, FEIFEI, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-10
[41] 2022-08-10
[30] CN (202110184710.4) 2021-02-10

[21] **3,148,448**
[13] A1
[51] **Int.Cl. B02C 23/00 (2006.01) A61K 9/72 (2006.01) B02C 23/02 (2006.01) B02C 23/18 (2006.01)**
[25] EN
[54] **PUFFED CANNABIS FLOWER EXTRUSION PROCESS BACKGROUND OF THE INVENTION**
[54] **PROCEDE D'EXTRUSION DE FLEUR DE CANNABIS SOUFFLEE, RENSEIGNEMENTS GENERAUX DE L'INVENTION**
[72] LI, SAN, US
[72] SCATTERDAY, MARK A., US
[72] WALKER, JORDAN, US
[72] SHOTEY, MARCUS, US
[71] JUPITER RESEARCH, LLC, US
[71] SHOTEY, MARCUS, US
[22] 2022-02-11
[41] 2022-08-12
[30] US (63148671) 2021-02-12

[21] **3,148,451**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **METHOD OF MAINTAINING INTERORGANIZATIONAL SUBORDINATE RELATION, CORRESPONDING DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE MAINTIEN DE LA RELATION DE SUBORDONNE ENTRE LES ORGANISATIONS, DISPOSITIF CONNEXE, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] KANG, LIWEI, CN
[72] SHI, CHANGPEI, CN
[72] LI, NING, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-10
[41] 2022-08-10
[30] CN (202110184621.X) 2021-02-10

[21] **3,148,524**
[13] A1
[51] **Int.Cl. A23G 1/32 (2006.01) A23G 1/04 (2006.01) A23G 1/40 (2006.01) A23G 3/10 (2006.01) A23G 3/36 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREPARING COTTON CANDY, A METHOD FOR PREPARING THE COMPOSITION, USE OF THE COMPOSITION FOR THE PREPARATION OF COTTON CANDY, COTTON CANDY SO OBTAINED, AND METHOD FOR MANUFACTURING COTTON CANDY**
[54] **COMPOSITION DE PREPARATION DE BARBE A PAPA, METHODE DE PREPARATION DE LA COMPOSITION, UTILISATION DE LA COMPOSITION POUR LA PREPARATION DE BARBE A PAPA, BARBE A PAPA AINSI OBTENUE ET METHODE DE FABRICATION DE BARBE A PAPA**
[72] TREMBLAY, VINCENT, CA
[72] DESJARDINS, NICOLAS, CA
[72] CHAZAY, LOIC, CA
[71] TREMBLAY, VINCENT, CA
[22] 2022-02-11
[41] 2022-08-11
[30] US (63/148,321) 2021-02-11

[21] **3,148,533**
[13] A1
[51] **Int.Cl. G06Q 10/02 (2012.01) G16H 40/20 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR BOOKING APPOINTMENTS WITH HEALTH CARE PROFESSIONALS**
[54] **SYSTEME ET METHODE DE PRISES DE RENDEZ-VOUS AUPRES DE PROFESSIONNELS DE LA SANTE**
[72] TAKHAR, BALDEEP, CA
[71] VIRTUALMD CORPORATION, CA
[22] 2022-02-10
[41] 2022-08-12
[30] US (63/148,678) 2021-02-12

[21] **3,148,540**
[13] A1
[51] **Int.Cl. B28C 7/02 (2006.01) B28C 5/18 (2006.01) G01N 33/38 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING SEGREGATION OCCURING IN A FRESH CONCRETE MIXTURE AGITATED IN A MIXER DRUM**
[54] **METHODE ET SYSTEME POUR DETECTER LA SEGREGATION QUI SE PASSE DANS UN MELANGE DE BETON FRAIS AGITE DANS UN TAMBOUR DE MELANGE**
[72] BEAUPRE, DENIS, CA
[71] COMMAND ALKON INCORPORATED, US
[22] 2022-02-10
[41] 2022-08-11
[30] US (63/148,215) 2021-02-11

[21] **3,148,560**
[13] A1
[51] **Int.Cl. H01R 25/16 (2006.01) H02G 3/14 (2006.01)**
[25] EN
[54] **FUNCTIONAL INDOOR ELECTRICAL WALL OUTLET COVER**
[54] **COUVERCLE DE PRISE MURALE ELECTRIQUE INTERIEUR FONCTIONNEL**
[72] INSALACO, MICHAEL GEORGE, US
[71] SOCKET SOLUTIONS, LLC, US
[22] 2022-02-10
[41] 2022-08-12
[30] US (17/175,604) 2021-02-12
[30] US (17/185,894) 2021-02-25

[21] **3,148,566**
[13] A1
[51] **Int.Cl. A62C 2/06 (2006.01) E04B 1/94 (2006.01) F16L 5/04 (2006.01)**
[25] EN
[54] **FIRE BLOCK COMPONENT AND ASSEMBLY**
[54] **COMPOSANTE ET ASSEMBLAGE PARE-FEU**
[72] PILZ, DONALD ANTHONY, US
[71] CALIFORNIA EXPANDED METAL PRODUCTS COMPANY, US
[22] 2022-02-10
[41] 2022-08-10
[30] US (63/148,082) 2021-02-10
[30] US (63/202,939) 2021-06-30

[21] **3,148,577**
[13] A1
[51] **Int.Cl. F16L 3/23 (2006.01) F16C 11/10 (2006.01)**
[25] EN
[54] **STRAIN RELIEF ASSEMBLY**
[54] **ASSEMBLAGE DE REDUCTEUR DE TENSION**
[72] ROA-QUISPE, CHRISTIAN, CA
[72] LAZARTE BARRIOS, OSCAR ALBERTO, CA
[71] BELDEN CANADA ULC, CA
[22] 2022-02-11
[41] 2022-08-12
[30] US (63/200,081) 2021-02-12

[21] **3,148,634**
[13] A1
[51] **Int.Cl. B65B 11/02 (2006.01) B65B 13/02 (2006.01) B65D 71/00 (2006.01) B65D 75/04 (2006.01)**
[25] EN
[54] **FILM BUNDLE PACKAGING**
[54] **EMBALLAGE DE BOBINE DE FILM**
[72] SAGER, RANDY, US
[71] BERRY GLOBAL, INC., US
[22] 2022-02-11
[41] 2022-08-12
[30] US (63/148,882) 2021-02-12

[21] **3,148,638**
[13] A1
[51] **Int.Cl. F16L 55/1645 (2006.01) F16L 55/18 (2006.01) F16L 55/26 (2006.01)**
[25] EN
[54] **MOBILE SYSTEM FOR PIPE REHABILITATION**
[54] **SYSTEME MOBILE POUR LA REMISE EN ETAT DE TUYAUX**
[72] DEKYSPOTTER, ARNAUD, FR
[72] BOTREL, DOMINIQUE, FR
[72] O'BRIEN, JAMES, US
[72] GORDON, GUY, US
[71] INA ACQUISITION CORP., US
[22] 2022-02-11
[41] 2022-08-11
[30] US (63/148230) 2021-02-11

[21] **3,148,655**
[13] A1
[51] **Int.Cl. A23B 7/144 (2006.01) A23L 3/3409 (2006.01) A61L 2/20 (2006.01) A61L 9/16 (2006.01) B01D 46/52 (2006.01) B65B 1/08 (2006.01)**
[25] EN
[54] **STERILIZATION UNIT AND METHODS OF USING THE SAME**
[54] **UNITE DE STERILISATION ET METHODES D'UTILISATION**
[72] SANFILIPPO, JOHN, US
[72] SANFILIPPO, JAMES J., US
[71] SANFILIPPO TECH, LLC, US
[22] 2022-02-11
[41] 2022-08-12
[30] US (63/200096) 2021-02-12

[21] **3,148,663**
[13] A1
[51] **Int.Cl. G06V 20/40 (2022.01) G06V 10/56 (2022.01) G06V 10/764 (2022.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND APPARATUSES FOR IMPROVED VIDEO FRAME ANALYSIS AND CLASSIFICATION**
[54] **METHODES, SYSTEMES ET APPAREILS POUR UNE ANALYSE ET UNE CLASSIFICATION AMELIOREES DE TRAME VIDEO**
[72] HOSSEINI, MOHAMMAD, US
[72] HASAN MD MAHMUDUL, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-02-14
[41] 2022-08-12
[30] US (63/148,908) 2021-02-12

[21] **3,148,671**
[13] A1
[51] **Int.Cl. F16K 1/00 (2006.01) B64D 1/16 (2006.01) B65D 30/24 (2006.01)**
[25] EN
[54] **MULTI-DUMP VALVE FOR RELEASING LIQUID FROM A CONTAINER**
[54] **SOUPAPE DE DECHARGES MULTIPLES POUR LIBERER UN LIQUIDE D'UN CONTENANT**
[72] ARNEY, DONALD BRIAN, CA
[71] DONMARK HOLDINGS INC., CA
[22] 2022-02-14
[41] 2022-08-12
[30] US (63149188) 2021-02-12

[21] **3,148,685**
[13] A1
[51] **Int.Cl. F16K 17/12 (2006.01) A47J 27/09 (2006.01) F17C 13/04 (2006.01)**
[25] EN
[54] **OVERPRESSURE RELIEF SYSTEM**
[54] **SYSTEME D'ATTENUATION DE LA SURPRESSION**
[72] MICHAEL, DOUGLAS, US
[71] ANDERSON GROUP, LTD., US
[22] 2022-02-14
[41] 2022-08-12
[30] US (63/148,845) 2021-02-12
[30] US (63/157,052) 2021-03-05

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[21] **3,148,691**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/02 (2012.01) B65D 79/00 (2006.01)**
[25] EN
[54] **MULTI-USE ASSET SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE BIENS REUTILISABLES**
[72] NGUYEN, NAM, CA
[72] PETRESCU, ALIN, CA
[72] JOHN, ASHBEEL, CA
[72] MOUNIR, HICHAM, CA
[71] GREYBLOOM BUSINESS DEVELOPMENT, CA
[22] 2022-02-14
[41] 2022-08-12
[30] US (63/200,085) 2021-02-12

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[21] **3,148,852**
[13] A1
[51] **Int.Cl. A61C 17/06 (2006.01) A47L 9/02 (2006.01) A61C 17/12 (2006.01) B08B 15/04 (2006.01)**
[25] EN
[54] **EVACUATION APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE D'EVACUATION**
[72] PARCHEWSKY, JULIE, CA
[72] PARCHEWSKY, MICHAEL, CA
[71] M.N. PARCHEWSKY PROFESSIONAL CORPORATION, CA
[22] 2022-02-14
[41] 2022-08-12
[30] US (63/148,738) 2021-02-12
[30] US (63/179,624) 2021-04-26

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[21] **3,148,879**
[13] A1
[51] **Int.Cl. B32B 7/023 (2019.01) B32B 37/00 (2006.01) B32B 38/00 (2006.01) E04D 11/02 (2006.01)**
[25] EN
[54] **ROOFING SYSTEMS UTILIZING EMBEDDED DECORATIVE LAYER**
[54] **SYSTEMES DE COUVERTURE UTILISANT UNE COUCHE DECORATIVE ENCASTREE**
[72] TIBAH, DENIS MUKI, US
[71] BMIC, LLC, US
[22] 2022-02-10
[41] 2022-08-10
[30] US (63/147,863) 2021-02-10
[30] US (17/668,049) 2022-02-09

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[21] **3,149,014**
[13] A1
[51] **Int.Cl. H04M 3/42 (2006.01) H04M 1/57 (2006.01) H04M 3/527 (2006.01) H04M 3/54 (2006.01) H04L 65/1096 (2022.01) H04N 7/15 (2006.01)**
[25] EN
[54] **PHONE AS AN AUDIO OUTPUT DEVICE FOR A COMPUTING SYSTEM**
[54] **TELEPHONE COMME DISPOSITIF DE SORTIE AUDIO POUR UN SYSTEME INFORMATIQUE**
[72] COUSE, PETER, CA
[71] MITEL NETWORKS CORPORATION, CA
[22] 2022-02-08
[41] 2022-08-09
[30] US (63/207127) 2021-02-09
[30] US (17/665374) 2022-02-04

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[21] **3,149,294**
[13] A1
[51] **Int.Cl. B67D 1/10 (2006.01) B67D 7/08 (2010.01) B67D 7/62 (2010.01) A47G 19/12 (2006.01) A47K 5/12 (2006.01)**
[25] EN
[54] **PORTABLE CONSUMER LIQUID PUMP**
[54] **POMPE A LIQUIDE PORTATIVE POUR CONSOMMATEUR**
[72] YANG, FRANK, US
[72] CHIN, JASON, US
[72] KIRKMAN, JOSEF, US
[71] SIMPLEHUMAN, LLC, US
[22] 2022-02-08
[41] 2022-08-08
[30] US (63/147,096) 2021-02-08

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[21] **3,162,616**
[13] A1
[51] **Int.Cl. B64F 5/60 (2017.01)**
[25] FR
[54] **CONTROL PROCEDURE FOR A PLURALITY OF AIRCRAFT CONTROL STATIONS AND ASSOCIATED CONTROL SYSTEM**
[54] **PROCEDE DE CONTROLE D'UNE PLURALITE DE STATIONS DE CONTROLE D'UN AERONEF ET SYSTEME DE CONTROLE ASSOCIE**
[72] DUPUY, STEPHANE, FR
[72] DEPARIS, MICHEL, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2022-06-13
[41] 2022-08-08
[30] FR (2106987) 2021-06-29

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **3,155,059**
[13] A1
[51] **Int.Cl. E04C 3/04 (2006.01) E04C 3/08 (2006.01)**
[25] EN
[54] **COMPOSITE JOIST WITH INTEGRATED STUD OF JOIST WITHOUT WELDING IN CONNECTIONS OF JOIST**
[54] **SOLIVE COMPOSITE COMPRENANT UN GOUJON INTEGRE DE LA SOLIVE SANS SOUDURE DES CONNEXIONS DE LA SOLIVE**
[72] NIAZI, ARASH, IR
[72] NIAZI, ARMIN, IR
[72] NIAZI, MOHAMMAD, IR
[71] NIAZI, ARASH, IR
[71] NIAZI, ARMIN, IR
[85] 2022-04-16
[86] 2021-03-06 (PCT/IB2021/051888)
[87] (3155059)
[30] IR (139950140003010042) 2021-02-09

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[21] **3,156,263**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 35/76 (2015.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/165 (2006.01) C12N 15/34 (2006.01) C12N 15/50 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **AGENT FOR INDUCING SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2 IN LIQUID FORM (VARIANTS)**
[54] **AGENT POUR INDUIRE L'IMMUNITE SPECIFIQUE CONTRE LE VIRUS DU SYNDROME RESPIRATOIRE AIGU SEVERE (SRAS-COV-2) EN FORME LIQUIDE (VARIANTS)**
[72] ZUBKOVA, OLGA VADIMOVNA, RU
[72] OZHAROVSKAIA, TATIANA ANDREEVNA, RU
[72] DOLZHIKOVA, INNA VADIMOVNA, RU
[72] POPOVA, OLGA, RU
[72] SHCHEBLIAKOV, DMITRII VIKTOROVICH, RU
[72] GROUSOVA, DARIA MIKHAILOVNA, RU
[72] DZHARULLAEVA, ALINA SHAHMIROVNA, RU
[72] TUKHVATULIN, AMIR ILDAROVICH, RU
[72] TUKHVATULINA, NATALIA MIKHAILOVNA, RU
[72] SHCHERBININ, DMITRII NIKOLAEVICH, RU
[72] ESMAGAMBETOV, ILIAS BULATOVICH, RU
[72] TOKARSKAYA, ELIZAVETA ALEXANDROVNA, RU
[72] BOTIKOV, ANDREI GENNADEVICH, RU
[72] EROXOVA, ALINA SERGEEVNA, RU
[72] IZHAEVA, FATIMA MAGOMEDOVNA, RU
[72] NIKITENKO, NATALYA ANATOLEVNA, RU
[72] LUBENETS, NADEZHDA LEONIDOVNA, RU
[72] SEMIKHIN, ALEKSANDR SERGEEVICH, RU
[72] BORISEVICH, SERGEY VLADIMIROVICH, RU
[72] NARODITSKY, BORIS SAVELIEVICH, RU
[72] LOGUNOV, DENIS YURYEVICH, RU
[72] GINTSBURG, ALEKSANDR LEONIDOVICH, RU
[71] FEDERAL STATE BUDGETARY INSTITUTION "NATIONAL RESEARCH CENTRE FOR EPIDEMIOLOGY AND MICROBIOLOGY NAMED AFTER THE HONORARY ACADEMICIAN N.F. GAMALEYA" OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION, RU
[85] 2022-04-06
[86] 2021-04-30 (PCT/RU2021/000183)
[87] (3156263)
[30] RU (2021103099) 2021-02-09

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[21] **3,159,208**
[13] A1
[51] **Int.Cl. A61K 31/19 (2006.01) A61K 9/16 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **BETA-HYDROXYBUTYRATE SALT GRANULE AND METHODS FOR PRODUCING THE SAME**
[54] **GRANULE DE SEL DE BETA-HYDROXYBUTYRATE ET METHODES DE PRODUCTION**
[72] JIANG, LONG, CN
[72] SUN, XUYANG, CN
[72] FAN, QIRU, CN
[72] YI, HUARONG, CN
[72] LIAO, KYLIN, CN
[71] NANJING NUTRABUILDING BIO-TECH CO., LTD., CN
[85] 2022-05-05
[86] 2021-04-14 (PCT/CN2021/087134)
[87] (3159208)
[30] CN (PCT/CN2021/076213) 2021-02-09

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[21] **3,159,479**
[13] A1
[51] **Int.Cl. C12N 15/85 (2006.01) C12N 5/10 (2006.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **AUTOMATED PRODUCTION OF VIRAL VECTORS**
[54] **PRODUCTION AUTOMATISEE DE VECTEURS VIRAUX**
[72] DIMITRIADOU, EVLAMPIA, GB
[72] HEWITT, MATTHEW, US
[72] RACHER, ANDREW, GB
[71] LONZA WALKERSVILLE, INC., US
[71] LONZA SALES AG, CH
[85] 2022-05-25
[86] 2020-12-18 (PCT/US2020/066006)
[87] (WO2021/127432)
[30] US (62/950,177) 2019-12-19

[21] **3,159,481**
[13] A1
[51] **Int.Cl. A23L 3/3472 (2006.01) A23L 29/206 (2016.01) A23L 33/105 (2016.01) A61K 8/9794 (2017.01) A61K 36/899 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL EXTRACTS OF SUGARCANE STRAW OR BAGASSE AND USES THEREOF**
[54] **EXTRAITS MULTIFONCTIONNELS DE PAILLE OU DE BAGASSE DE CANNE A SUCRE ET LEURS UTILISATIONS**
[72] ESTEVEZ PINTADO, MARIA MANUELA, PT
[72] MENDES FERREIRA MONTEIRO MADUREIRA, ANA RAQUEL, PT
[72] DA SILVA OLIVEIRA, ANA LUCIA, PT
[71] UNIVERSIDADE CATOLICA PORTUGUESA - UCP, PT
[71] AMYRIS BIO-PRODUCTS PORTUGAL, PT
[85] 2022-05-25
[86] 2020-11-27 (PCT/IB2020/061236)
[87] (WO2021/105953)
[30] PT (115944) 2019-11-29
[30] EP (19212747.0) 2019-11-30

[21] **3,160,006**
[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01)**
[25] EN
[54] **PORTABLE AND DISPOSABLE UV DEVICE WITH VISIBLE LIGHT AND SHAPING OPTICS**
[54] **DISPOSITIF UV PORTATIF JETABLE DOTE D'UNE LUMIERE VISIBLE ET D'UNE OPTIQUE DE MISE EN FORME**
[72] ROSEN, JENNIFER K., US
[72] DEGRAZIA, GREGORY D., US
[72] FEENEY, BENJAMIN X, US
[71] FREESTYLE PARTNERS, LLC, US
[85] 2022-05-30
[86] 2021-01-21 (PCT/US2021/014386)
[87] (WO2021/150734)
[30] US (62/963,682) 2020-01-21
[30] US (16/809,976) 2020-03-05

[21] **3,160,009**
[13] A1
[51] **Int.Cl. C11D 17/04 (2006.01)**
[25] EN
[54] **UNIT DOSE ARTICLE FOR PACKAGING PERSONAL CARE PRODUCTS**
[54] **ARTICLE EN DOSE UNITAIRE POUR LE CONDITIONNEMENT DE PRODUITS DE SOINS PERSONNELS**
[72] ZEESE, NICHOLAS, US
[72] KNIGHT, JONATHON, US
[72] BRIDEWELL, VICTORIA, US
[71] MONOSOL, LLC, US
[85] 2022-05-30
[86] 2020-12-02 (PCT/US2020/062798)
[87] (WO2021/113294)
[30] US (62/942,369) 2019-12-02

[21] **3,160,010**
[13] A1
[51] **Int.Cl. A01N 37/16 (2006.01) A01N 25/02 (2006.01) A01N 31/04 (2006.01) A01N 31/06 (2006.01) A01N 31/14 (2006.01) A01N 59/00 (2006.01)**
[25] EN
[54] **PEROXYGEN-BASED SKIN DISINFECTANTS EFFECTIVE AGAINST MYCOBACTERIA AND YEASTS**
[54] **DESINFECTANTS CUTANES A BASE DE PEROXYGENE EFFICACES CONTRE LES MYCOBACTERIES ET LES LEVURES**
[72] SLACK, MATTHEW ALASDAIR TIMOTHY, GB
[72] ALDERSON, FARAZ, CA
[71] DIVERSEY, INC., US
[85] 2022-05-30
[86] 2020-12-02 (PCT/US2020/062794)
[87] (WO2021/113292)
[30] US (62/942,980) 2019-12-03

[21] **3,160,012**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **CONTACT CENTER SYSTEM AND METHOD FOR ADVANCED OUTBOUND COMMUNICATIONS TO A CONTACT GROUP**
[54] **SYSTEME ET PROCEDE DE CENTRE DE CONTACT DESTINES A DES COMMUNICATIONS SORTANTES AVANCEES A UN GROUPE DE CONTACTS**
[72] FRIIO, ANDREA, US
[72] LEJEUNE, ARNAUD, US
[72] HALTER, STEPHANIE, US
[72] BATES, ANTHONY J., US
[71] GREENEDEN U.S. HOLDINGS II, LLC, US
[85] 2022-05-30
[86] 2020-12-14 (PCT/US2020/064868)
[87] (WO2021/119592)
[30] US (16/714,499) 2019-12-13

[21] **3,160,013**
[13] A1
[51] **Int.Cl. A24B 13/00 (2006.01) A23G 3/36 (2006.01) A23G 3/42 (2006.01) A23G 3/48 (2006.01) A23G 4/06 (2006.01) A23G 4/10 (2006.01) A23G 4/12 (2006.01) A24B 15/16 (2020.01) A24B 15/30 (2006.01) A24F 23/02 (2006.01)**
[25] EN
[54] **ORAL COMPOSITIONS AND METHODS OF MANUFACTURE**
[54] **COMPOSITIONS ORALES ET PROCEDES DE FABRICATION**
[72] HOLTON JR., DARRELL EUGENE, US
[72] HUTCHENS, RONALD K., GB
[72] MABE, JEREMY BARRETT, GB
[72] SPIELBAUER, KRISTEN ANN, GB
[72] LAMPE, MATTHEW EVAN, GB
[72] ODEN, ROSS JAY, GB
[72] ZAWADZKI, MICHAEL ANDREW, GB
[72] GERARDI, ANTHONY RICHARD, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-05-30
[86] 2020-12-04 (PCT/IB2020/061473)
[87] (WO2021/116855)
[30] US (16/707,343) 2019-12-09
[30] US (63/036,127) 2020-06-08

[21] **3,160,014**
[13] A1
[51] **Int.Cl. A61F 9/007 (2006.01)**
[25] EN
[54] **LASER TREATMENT OF MEDIA OPACITIES**
[54] **TRAITEMENT AU LASER D'OPACITES DE MILIEU**
[72] AL-QAISI, MUHAMMAD K., US
[72] HALLEN, PAUL R., US
[71] ALCON INC., CH
[85] 2022-05-30
[86] 2020-12-18 (PCT/IB2020/062228)
[87] (WO2021/124280)
[30] US (62/950,560) 2019-12-19

[21] **3,160,018**
[13] A1
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/16 (2020.01) A24B 15/28 (2006.01) A24B 15/30 (2006.01) A24B 15/38 (2006.01) A24B 15/42 (2006.01)**
[25] EN
[54] **POUCHED PRODUCTS WITH ENHANCED FLAVOR STABILITY**
[54] **PRODUITS EN SACHET A STABILITE DE SAVEUR AMELIOREE**
[72] HOLTON JR., DARRELL EUGENE, US
[72] HUTCHENS, RONALD K., GB
[72] KELLER, CHRISTOPHER, GB
[72] POOLE, THOMAS H., GB
[72] BEESON, DWAYNE WILLIAM, GB
[72] ST. CHARLES, FRANK KELLEY, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-05-30
[86] 2020-12-04 (PCT/IB2020/061549)
[87] (WO2021/116866)
[30] US (16/707,060) 2019-12-09

[21] **3,160,019**
[13] A1
[51] **Int.Cl. B60H 3/06 (2006.01) F24F 3/04 (2006.01) F24F 3/16 (2021.01)**
[25] EN
[54] **AIR CONDITIONING AND FILTRATION SYSTEM**
[54] **SYSTEME DE CLIMATISATION ET DE FILTRATION**
[72] KNOWLES, GREGORY BRIAN, AU
[71] CIPO, CA
[71] WORK AIR TECHNOLOGIES PTY LTD, AU
[85] 2022-05-30
[86] 2020-11-30 (PCT/AU2020/051301)
[87] (WO2021/102525)
[30] AU (2019904535) 2019-11-30

[21] **3,160,231**
[13] A1
[51] **Int.Cl. F41A 19/10 (2006.01) F41A 19/06 (2006.01) F41A 19/12 (2006.01) F41A 19/15 (2006.01) F41A 19/24 (2006.01) F41A 19/43 (2006.01)**
[25] EN
[54] **TRIGGER-CYCLED FIREARM**
[54] **ARME A FEU A CYCLE DE REPETITION**
[72] FELLOWS, RYAN PAUL, US
[72] JACOBSON, JAY LEONARD, US
[71] FRANKLIN ARMORY HOLDINGS, INC., US
[85] 2022-05-31
[86] 2020-02-25 (PCT/US2020/019578)
[87] (WO2021/112901)
[30] US (16/703,763) 2019-12-04

[21] **3,160,233**
[13] A1
[51] **Int.Cl. B65D 39/00 (2006.01) B65D 41/02 (2006.01) B65D 43/02 (2006.01) C08L 23/14 (2006.01) C08L 53/00 (2006.01) C08L 53/02 (2006.01)**
[25] EN
[54] **ROTARY VACUUM VESSEL CLOSURE WITH VESSEL CLOSURE SEAL**
[54] **FERMETURE ROTATIVE DE RECIPIENT A VIDE POURVUE D'UN JOINT DE FERMETURE DE RECIPIENT**
[72] MANGEL, DANY, DE
[71] ACTEGA DS GMBH, DE
[85] 2022-05-31
[86] 2019-12-10 (PCT/EP2019/084454)
[87] (WO2021/115571)

[21] **3,160,234**
[13] A1
[51] **Int.Cl. E21B 17/01 (2006.01) F16L 1/20 (2006.01)**
[25] EN
[54] **SPRING**
[54] **RESSORT**
[72] MILNE, FRASER JAMES, GB
[72] LANNAGAN, WILLIAM HENRY, GB
[71] BALMORAL COMTEC LIMITED, GB
[85] 2022-05-31
[86] 2021-01-22 (PCT/GB2021/050146)
[87] (WO2021/148802)
[30] GB (2000944.5) 2020-01-22

[21] **3,160,240**
[13] A1
[51] **Int.Cl. G01S 5/00 (2006.01) G01S 5/12 (2006.01) G01S 5/14 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **ESTIMATING TERMINAL LOCATION IN A SATELLITE COMMUNICATION SYSTEM**
[54] **ESTIMATION D'EMPLACEMENT DE TERMINAL DANS UN SYSTEME DE COMMUNICATION PAR SATELLITE**
[72] REGUNATHAN, MURALI, US
[72] ROZMARYN, JACK, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-05-31
[86] 2020-12-30 (PCT/US2020/067568)
[87] (WO2021/138492)
[30] US (16/732,265) 2019-12-31

[21] **3,160,242**
[13] A1
[51] **Int.Cl. A01N 43/08 (2006.01) A01N 43/16 (2006.01)**
[25] FR
[54] **USE OF DATE SACCHARIDES ALONE OR IN COMBINATION WITH POLYPHENOLS TO PROTECT PLANTS AGAINST PATHOGENS**
[54] **UTILISATION DE SACCHARIDES DE DATTES SEULS OU EN MELANGE AVEC DES POLYPHENOLS POUR PROTEGER LES PLANTES CONTRE DES PATHOGENES**
[72] HAKKAR, FETHI, FR
[71] MYTAMAR GMBH, CH
[85] 2022-05-31
[86] 2020-12-01 (PCT/EP2020/084058)
[87] (WO2021/110648)
[30] CH (01521/19) 2019-12-02

[21] **3,160,247**
[13] A1
[51] **Int.Cl. G06T 7/33 (2017.01) G06T 7/90 (2017.01)**
[25] EN
[54] **TRANS-SPECTRAL FEATURE DETECTION FOR VOLUMETRIC IMAGE ALIGNMENT AND COLORIZATION**
[54] **DETECTION DE CARACTERISTIQUES TRANSSPECTRALES POUR UN ALIGNEMENT ET UNE COLORISATION D'IMAGES VOLUMETRIQUES**
[72] ANDERBERG, TOBIAS, US
[72] METZGER, SCOTT, US
[71] SONY GROUP CORPORATION, JP
[71] SONY PICTURES ENTERTAINMENT INC., US
[85] 2022-05-31
[86] 2020-12-10 (PCT/US2020/064268)
[87] (WO2021/119283)
[30] US (62/947,747) 2019-12-13
[30] US (16/883,523) 2020-05-26

[21] **3,160,249**
[13] A1
[51] **Int.Cl. C04B 28/00 (2006.01) C04B 22/10 (2006.01) C04B 40/02 (2006.01)**
[25] EN
[54] **METHOD OF MINERALIZATION OF CO2 IN INORGANIC POLYMERS (GEOPOLYMERS)**
[54] **PROCEDE DE MINERALISATION DE CO2 DANS DES POLYMERES INORGANIQUES (GEOPOLYMERES)**
[72] KHALIFEH, MAHMOUD, NO
[72] HODNE, HELGE, NO
[71] THE UNIVERSITY OF STAVANGER, NO
[85] 2022-05-31
[86] 2020-11-30 (PCT/EP2020/083835)
[87] (WO2021/110571)
[30] SE (1951409-0) 2019-12-06

[21] **3,160,253**
[13] A1
[51] **Int.Cl. H04N 21/472 (2011.01)**
[25] EN
[54] **TECHNIQUES FOR REPLACEMENT CONTENT SIGNALING IN ATSC 3.0 TELEVISION**
[54] **TECHNIQUES DE SIGNALISATION DE CONTENU DE REMPLACEMENT DANS UNE TELEVISION ATSC 3.0**
[72] FAY, LUKE, US
[72] CLIFT, GRAHAM, US
[71] SONY GROUP CORPORATION, JP
[85] 2022-05-31
[86] 2020-12-17 (PCT/US2020/065672)
[87] (WO2021/127220)
[30] US (16/717,958) 2019-12-17

[21] **3,160,255**
[13] A1
[51] **Int.Cl. G16H 50/70 (2018.01) G06N 3/02 (2006.01) G16H 50/20 (2018.01) G16H 50/30 (2018.01)**
[25] EN
[54] **A METHOD FOR DETERMINING A RISK SCORE FOR A PATIENT**
[54] **PROCEDE DE DETERMINATION D'UN SCORE DE RISQUE POUR UN PATIENT**
[72] ANDREWS, BRIAN, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2022-05-31
[86] 2020-12-02 (PCT/SE2020/051160)
[87] (WO2021/112748)
[30] SE (1951381-1) 2019-12-03

[21] **3,160,257**
[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01)**
[25] EN
[54] **A CHEMICAL DELIVERY SYSTEM, DEVICE AND METHOD THEREOF**
[54] **SYSTEME DE DISTRIBUTION DE PRODUIT CHIMIQUE, DISPOSITIF ET PROCEDE ASSOCIES**
[72] CHAN, HO NAM, CN
[72] SHU, YIWEI, CN
[71] SHEN ZHEN BIOROCKS BIOTECHNOLOGY COMPANY LIMITED, CN
[85] 2022-05-31
[86] 2020-11-29 (PCT/CN2020/132553)
[87] (WO2021/109948)
[30] CN (201911211155.9) 2019-12-02
[30] CN (201922117442.5) 2019-12-02
[30] CN (201911211091.2) 2019-12-02

[21] **3,160,259**
[13] A1
[51] **Int.Cl. G06N 99/00 (2019.01) G06K 9/00 (2022.01) G06N 3/02 (2006.01) G06T 1/40 (2006.01)**
[25] EN
[54] **SELF-OPTIMIZING LABELING PLATFORM**
[54] **PLATEFORME D'ETIQUETAGE A AUTO-OPTIMISATION**
[72] MCKAY, RYAN MICHAEL, US
[72] MARTIN, CHERYL ELIZABETH, US
[72] RAY III, FOUNTAIN L., US
[71] ALEGION, INC., US
[85] 2022-05-31
[86] 2020-12-18 (PCT/US2020/066133)
[87] (WO2021/127513)
[30] US (62/950,699) 2019-12-19

[21] **3,160,260**
[13] A1
[51] **Int.Cl. G06F 21/57 (2013.01) G06F 21/77 (2013.01)**
[25] EN
[54] **METHODS & PROCESSES TO SECURELY UPDATE SECURE ELEMENTS**
[54] **PROCEDES ET PROCESSUS DE MISE A JOUR SECURISEE D'ELEMENTS SECURISES**
[72] SACHDEVA, KAPIL, US
[72] HILL, PHILIP, GB
[72] PREVOST, SYLVAIN JACQUES, US
[71] ASSA ABLOY AB, SE
[85] 2022-05-31
[86] 2020-11-13 (PCT/EP2020/082136)
[87] (WO2021/110389)
[30] US (62/944,588) 2019-12-06

[21] **3,160,261**
[13] A1
[51] **Int.Cl. F04B 1/107 (2020.01) F04B 7/04 (2006.01)**
[25] EN
[54] **BALL PISTON PUMP**
[54] **POMPE A PISTON A BILLE**
[72] ROSINSKI, RYAN DAVID, US
[71] GHSP, INC., US
[85] 2022-05-31
[86] 2020-12-02 (PCT/IB2020/061406)
[87] (WO2021/116835)
[30] US (62/946,004) 2019-12-10

[21] **3,160,264**
[13] A1
[51] **Int.Cl. B29C 64/135 (2017.01) B29C 64/20 (2017.01)**
[25] EN
[54] **3D PRINTERS AND LAMINATES**
[54] **IMPRIMANTES 3D ET STRATIFIES**
[72] GOTTLIEB, AMOS, US
[71] VICI TRANSITION, INC, US
[85] 2022-05-31
[86] 2020-12-18 (PCT/US2020/066252)
[87] (WO2021/127591)
[30] US (62/950,072) 2019-12-18

[21] **3,160,265**
[13] A1
[51] **Int.Cl. B22F 1/00 (2022.01) C09D 11/52 (2014.01) C08J 3/09 (2006.01)**
[25] EN
[54] **CONCENTRATED DISPERSIONS OF UNIFORM SILVER NANOPARTICLES AND METHODS FOR PREPARING THE SAME**
[54] **DISPERSIONS CONCENTREES DE NANOPARTICULES D'ARGENT UNIFORMES ET LEURS PROCEDES DE PREPARATION**
[72] GOIA, DAN, US
[71] NOBEL /NOBLE ELEMENTS/ LLC, US
[85] 2022-05-31
[86] 2021-04-01 (PCT/US2021/025428)
[87] (WO2021/211305)
[30] US (63/010,481) 2020-04-15

[21] **3,160,266**
[13] A1
[51] **Int.Cl. C07K 17/10 (2006.01) A61K 38/09 (2006.01)**
[25] EN
[54] **ANTIBACTERIAL CARBOHYDRATE VACCINE**
[54] **VACCIN A BASE D'HYDRATES DE CARBONE ANTIBACTERIEN**
[72] JENNINGS, LAURA K., US
[72] SECOR, PATRICK R., US
[72] EVANS, JAY, US
[71] UNIVERSITY OF MONTANA, US
[85] 2022-05-31
[86] 2020-12-03 (PCT/US2020/063086)
[87] (WO2021/113495)
[30] US (62/943,589) 2019-12-04

[21] **3,160,267**
[13] A1
[51] **Int.Cl. A61C 19/06 (2006.01)**
[25] EN
[54] **OCCLUSAL STOP BITE RESISTOR DEVICES UTILIZED IN SYSTEMS AND METHODS FOR DENTAL TREATMENTS**
[54] **DISPOSITIFS ANTI-MORSURE A BUTEE OCCLUSALE UTILISES DANS DES SYSTEMES ET PROCEDES POUR DES TRAITEMENTS DENTAIRES**
[72] SANDERS, DANIEL, IL
[71] MAVRIK DENTAL SYSTEMS LTD, IL
[85] 2022-05-31
[86] 2020-12-02 (PCT/IB2020/061378)
[87] (WO2021/111325)
[30] US (16/701,094) 2019-12-02

[21] **3,160,269**
[13] A1
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/16 (2020.01) A24B 15/30 (2006.01) A24B 15/32 (2006.01) A24F 23/02 (2006.01) A61K 31/145 (2006.01) A61K 31/198 (2006.01) A61K 31/522 (2006.01) A61K 36/258 (2006.01) A61K 47/38 (2006.01) A61P 25/26 (2006.01)**
[25] EN
[54] **ORAL PRODUCTS**
[54] **PRODUITS A USAGE ORAL**
[72] KELLER, CHRISTOPHER, US
[72] HUTCHENS, RONALD K., GB
[72] POOLE, THOMAS H., GB
[72] VON COSMOS, NICOLAS, GB
[72] GERARDI, ANTHONY RICHARD, GB
[72] GRIMES, CHRIS J., GB
[72] ALDERMAN, STEVEN LEE, GB
[72] HOLTON, JR. DARRELL EUGENE, GB
[72] ODEN, ROSS JAY, GB
[72] LAMPE, MATTHEW EVAN, GB
[72] ZAWADZKI, MICHAEL ANDREW, GB
[72] SPIELBAUER, KRISTEN, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-05-31
[86] 2020-12-04 (PCT/IB2020/061476)
[87] (WO2021/116856)
[30] US (16/707,117) 2019-12-09
[30] US (63/036,248) 2020-06-08

[21] **3,160,270**
[13] A1
[51] **Int.Cl. C01B 6/17 (2006.01) C01B 6/11 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING METAL BOROHYDRIDE FROM METAL BORON OXIDE**
[54] **PROCEDE DE PRODUCTION DE BOROHYDRURE METALLIQUE A PARTIR D'OXYDE DE BORE METALLIQUE**
[72] LUGTIGHEID, GERARDUS WILHELMUS, NL
[71] H2FUEL-SYSTEMS B.V., NL
[85] 2022-05-31
[86] 2020-12-02 (PCT/NL2020/050750)
[87] (WO2021/112670)
[30] NL (2024400) 2019-12-06

[21] **3,160,271**
[13] A1
[51] **Int.Cl. A23D 7/005 (2006.01) A23D 7/01 (2006.01) A24B 13/00 (2006.01) A24B 15/16 (2020.01) A24B 15/30 (2006.01)**
[25] EN
[54] **NANOEMULSION FOR ORAL USE**
[54] **NANOEMULSION A USAGE ORAL**
[72] KELLER, CHRISTOPHER, US
[72] HUTCHENS, RONALD K., GB
[72] POOLE, THOMAS H., GB
[72] VON COSMOS, NICOLAS, GB
[72] GERARDI, ANTHONY RICHARD, GB
[72] GRIMES, CHRIS J., GB
[72] ALDERMAN, STEVEN LEE, GB
[72] HOLTON, JR. DARRELL EUGENE, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-05-31
[86] 2020-12-02 (PCT/IB2020/061394)
[87] (WO2021/116834)
[30] US (62/945,423) 2019-12-09

[21] **3,160,273**
[13] A1
[51] **Int.Cl. F01K 25/00 (2006.01) F22B 1/00 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR A STEAM GENERATOR**
[54] **DISPOSITIF DE COMMANDE D'UN GENERATEUR DE VAPEUR**
[72] BLISS, JEREMY HENRY ARTHUR, GB
[72] LACK, CHRISTOPHER ALEC, GB
[71] STEAMOLOGY MOTION LTD, GB
[85] 2022-05-31
[86] 2020-12-04 (PCT/GB2020/000106)
[87] (WO2021/111100)
[30] GB (1917682.5) 2019-12-04
[30] GB (2019007.0) 2020-12-02

[21] **3,160,274**
[13] A1
[51] **Int.Cl. B60J 7/10 (2006.01) B63C 9/03 (2006.01)**
[25] EN
[54] **DETACHABLE CAB FOR AN AMPHIBIOUS VEHICLE**
[54] **CABINE AMOVIBLE POUR VEHICULE AMPHIBIE**
[72] SKIERKA, JOHN, CA
[72] ALEXANDER, KEN, CA
[71] S6 INNOVATIONS INC., CA
[85] 2022-05-31
[86] 2020-12-08 (PCT/CA2020/051689)
[87] (WO2021/113964)
[30] US (62/945,649) 2019-12-09

[21] **3,160,275**
[13] A1
[51] **Int.Cl. H01H 3/02 (2006.01)**
[25] EN
[54] **EMERGENCY STOP SWITCH, AND MACHINE HAVING AN EMERGENCY STOP SWITCH**
[54] **INTERRUPTEUR D'ARRET D'URGENCE ET MACHINE EQUIPEE D'UN INTERRUPTEUR D'ARRET D'URGENCE**
[72] SOBBE, THOMAS, DE
[71] BECKER MINING SYSTEMS AG, DE
[85] 2022-05-31
[86] 2020-11-11 (PCT/EP2020/081685)
[87] (WO2021/121785)
[30] DE (10 2019 135 227.4) 2019-12-19

[21] **3,160,277**
[13] A1
[51] **Int.Cl. B65G 47/24 (2006.01) B65G 47/244 (2006.01) B65G 47/252 (2006.01) B65G 51/02 (2006.01)**
[25] EN
[54] **CONTAINER ROTATOR APPARATUS FOR A CONTAINER MANUFACTURING LINE**
[54] **APPAREIL ROTATEUR DE RECIPIENT POUR UNE CHAINE DE FABRICATION DE RECIPIENT**
[72] MONTEIRO TEIXEIRA, RAFAEL ARTHUR, BR
[72] DA SILVA SEQUI, LUCAS, BR
[71] BALL CORPORATION, US
[85] 2022-05-31
[86] 2020-12-09 (PCT/US2020/063999)
[87] (WO2021/119120)
[30] US (62/945,714) 2019-12-09

[21] **3,160,278**
[13] A1
[51] **Int.Cl. A61K 31/431 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING EDEMA REFRACTORY TO ORAL DIURETICS**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER UN OEDEME REFRACTAIRE A DES DIURETIQUES ORAUX**
[72] RADHAKRISHNAN, BALASINGAM, US
[72] ESQUE, BEN, US
[72] LIN, WEI, US
[72] CHEN, ANDREW XIAN, US
[71] RESQ PHARMACEUTICALS LLC, US
[85] 2022-05-31
[86] 2020-12-04 (PCT/US2020/063491)
[87] (WO2021/113775)
[30] US (62/943,638) 2019-12-04

[21] **3,160,280**
[13] A1
[51] **Int.Cl. C02F 1/48 (2006.01)**
[25] EN
[54] **MULTI-STAGE APPARATUS FOR PRODUCING MAGNETIZED WATER**
[54] **APPAREIL A ETAGES MULTIPLES POUR LA PRODUCTION D'EAU MAGNETISEE**
[72] LEE, SANG HUN, KR
[71] LEE, SANG HUN, KR
[85] 2022-05-31
[86] 2020-11-27 (PCT/KR2020/017138)
[87] (WO2021/112506)
[30] KR (10-2019-0158326) 2019-12-02

[21] **3,160,303**
[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **BROADLY NEUTRALIZING ANTIBODIES AGAINST HIV**
[54] **ANTICORPS DE NEUTRALISATION A LARGE SPECTRE DIRIGES CONTRE LE VIH**
[72] KLEIN, FLORIAN, DE
[72] GRULL, HENNING, DE
[72] SCHOMMERS, PHILIPP FREDERIK, DE
[71] UNIVERSITAT ZU KOLN, DE
[85] 2022-06-01
[86] 2020-12-02 (PCT/EP2020/084309)
[87] (WO2021/110764)
[30] EP (19212986.4) 2019-12-02

[21] **3,160,317**
[13] A1
[51] **Int.Cl. C07C 233/00 (2006.01) C07C 233/64 (2006.01) C07C 233/65 (2006.01) C08K 5/20 (2006.01)**
[25] EN
[54] **TRISAMIDE COMPOUNDS AND COMPOSITIONS COMPRISING THE SAME**
[54] **COMPOSES TRISAMIDES ET COMPOSITIONS LES COMPRENANT**
[72] KREMER, DANIEL, DE
[72] SCHMIDT, HANS-WERNER, DE
[72] SMITH, PAUL, CH
[72] ANDERSON, JOHN DAVID, US
[72] DATTA, SUCHITRA, US
[72] KELLER, KEITH, US
[72] MEHL, NATHAN, US
[72] SCRIVENS, WALTER, US
[71] MILLIKEN & COMPANY, US
[85] 2022-06-01
[86] 2020-12-14 (PCT/US2020/064959)
[87] (WO2021/119633)
[30] US (62/947,474) 2019-12-12

[21] **3,160,322**
[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) H01M 10/613 (2014.01) H01M 10/6555 (2014.01) H01M 10/658 (2014.01) B32B 5/18 (2006.01) B32B 15/04 (2006.01) B32B 27/06 (2006.01) F16L 59/02 (2006.01)**
[25] EN
[54] **COMPONENTS AND SYSTEMS TO MANAGE THERMAL RUNAWAY ISSUES IN ELECTRIC VEHICLE BATTERIES**
[54] **COMPOSANTS ET SYSTEMES POUR GERER DES PROBLEMES D'EMBALLEMENT THERMIQUE DANS DES BATTERIES DE VEHICULE ELECTRIQUE**
[72] EVANS, OWEN, US
[72] GOULD, GEORGE, US
[72] DEKRAFFT, KATHRYN, US
[72] MIHALCIK, DAVID, US
[71] ASPEN AEROGELS INC., US
[85] 2022-06-01
[86] 2020-11-30 (PCT/US2020/062618)
[87] (WO2021/113188)
[30] US (62/942,495) 2019-12-02
[30] US (62/958,135) 2020-01-07
[30] US (63/056,524) 2020-07-24
[30] US (17/106,763) 2020-11-30

[21] **3,160,324**
[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **INTRAOCULAR LENS HAVING INCREASED OPTIC DIAMETER**
[54] **LENTILLE INTRAOCULAIRE AVEC DIAMETRE OPTIQUE ACCRU**
[72] ZIELKE, MARK ANDREW, US
[71] ALCON INC., CH
[85] 2022-06-01
[86] 2020-12-16 (PCT/IB2020/062056)
[87] (WO2021/124168)
[30] US (62/949,041) 2019-12-17

[21] **3,160,326**
[13] A1
[51] **Int.Cl. E21D 11/38 (2006.01)**
[25] EN
[54] **SEALING PROFILE FOR CONCRETE TUBBING**
[54] **PROFILE D'ETANCHEITE POUR CUVELAGE EN BETON**
[72] ROBES, DAVID, DE
[72] PASEMANN, OLIVER, DE
[71] SEALABLE SOLUTIONS GMBH, DE
[85] 2022-06-01
[86] 2020-12-01 (PCT/EP2020/084140)
[87] (WO2021/110686)
[30] DE (10 2019 133 062.9) 2019-12-04

[21] **3,160,327**
[13] A1
[51] **Int.Cl. A61M 1/16 (2006.01) G16H 20/17 (2018.01) A61M 1/34 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **COMBINED EXTRACORPOREAL AND DRUG DELIVERY SYSTEM AND METHOD**
[54] **SYSTEME COMBINE D'ADMINISTRATION DE MEDICAMENT ET EXTRACORPOREL ET PROCEDE ASSOCIE**
[72] ZACHARIA, JOHN RAMEZ, US
[72] WITTNER, BERND, US
[72] BIVANS, MATTHEW ALAN, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2022-06-01
[86] 2020-12-09 (PCT/US2020/063985)
[87] (WO2021/119112)
[30] US (62/946,205) 2019-12-10

[21] **3,160,333**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61L 24/04 (2006.01) A61L 24/06 (2006.01) A61L 24/08 (2006.01) A61L 31/04 (2006.01) A61L 31/06 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **TISSUE CATALYZED GROWTH OF POLYMER AS EPITHELIAL LININGS FOR THERAPY**
[54] **CROISSANCE CATALYSEE PAR TISSU DE POLYMERE EN TANT QUE REVETEMENTS EPITHELIAUX POUR UNE THERAPIE**
[72] LANGER, ROBERT S., US
[72] TRAVERSO, CARLO GIOVANNI, US
[72] LI, JUNWEI, US
[72] WANG, THOMAS, US
[72] SHI, YUNHUA, US
[72] KIRTANE, AMEYA R., US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2022-06-01
[86] 2020-12-10 (PCT/US2020/064364)
[87] (WO2021/119350)
[30] US (62/947,582) 2019-12-13
[30] US (63/050,206) 2020-07-10
[30] US (63/050,216) 2020-07-10

[21] **3,160,336**
[13] A1
[51] **Int.Cl. H01Q 1/38 (2006.01) H01Q 3/26 (2006.01) H01Q 9/40 (2006.01)**
[25] EN
[54] **DUAL-POLARIZED CORNER-TRUNCATED STACKED PATCH ANTENNA WITH ENHANCED SUPPRESSION OF CROSS-POLARIZATION AND SCAN PERFORMANCE FOR WIDE SCAN ANGLES**
[54] **ANTENNE A PLAQUES EMPILEES TRONQUEES EN COIN A DOUBLE POLARISATION AVEC SUPPRESSION AMELIOREE DE POLARISATION CROISEE ET PERFORMANCE DE BALAYAGE POUR ANGLES DE BALAYAGE LARGES**
[72] YUE, TAIWEI, US
[72] HOU, PETER, US
[72] LU, BINGQIAN, US
[72] DESAI, KUNJ, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-06-01
[86] 2020-12-30 (PCT/US2020/067558)
[87] (WO2021/138484)
[30] US (16/732,862) 2020-01-02

[21] **3,160,339**
[13] A1
[51] **Int.Cl. A47J 37/07 (2006.01) F16M 11/04 (2006.01) F16M 11/38 (2006.01) F16M 11/42 (2006.01)**
[25] EN
[54] **PORTABLE GRILLS**
[54] **GRILS PORTATIFS**
[72] HUNT, PAUL R., US
[72] POLACZEK, KAROL, US
[72] POLACZEK, JR. KAROL, US
[72] LATOCHA, JERZY, US
[72] CRULL, JEFFREY L., US
[72] LIVINGSTON-JHA, SIMON, US
[72] MATHIAS, WILLIAM R., US
[72] SPARKS, EVAN, US
[72] KRAMKA, JOEL, US
[72] CARUTHERS, MONTEL, US
[72] HILLSTROM, HENRY M., US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2022-06-01
[86] 2020-09-25 (PCT/US2020/052820)
[87] (WO2021/141639)
[30] US (62/959,520) 2020-01-10
[30] US (63/048,457) 2020-07-06
[30] US (17/025,336) 2020-09-18

[21] **3,160,341**
[13] A1
[51] **Int.Cl. A47J 36/10 (2006.01) A47J 37/07 (2006.01)**
[25] EN
[54] **PORTABLE GRILLS**
[54] **GRILLS PORTATIFS**
[72] HUNT, PAUL R., US
[72] POLACZEK, KAROL, US
[72] POLACZEK, JR. KAROL, US
[72] LATOCHA, JERZY, US
[72] CRULL, JEFFREY L., US
[72] LIVINGSTON-JHA, SIMON, US
[72] MATHIAS, WILLIAM R., US
[72] SPARKS, EVAN, US
[72] KRAMKA, JOEL, US
[72] CARUTHERS, MONTEL, US
[72] HILLSTROM, HENRY M., US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2022-06-01
[86] 2020-09-25 (PCT/US2020/052825)
[87] (WO2021/141640)
[30] US (62/959,520) 2020-01-10
[30] US (63/048,457) 2020-07-06
[30] US (17/025,355) 2020-09-18

[21] **3,160,343**
[13] A1
[51] **Int.Cl. A47J 37/07 (2006.01)**
[25] EN
[54] **PORTABLE GRILLS**
[54] **GRILS PORTABLES**
[72] HUNT, PAUL R., US
[72] POLACZEK, KAROL, US
[72] POLACZEK, JR. KAROL, US
[72] LATOCHA, JERZY, US
[72] CRULL, JEFFREY L., US
[72] LIVINGSTON-JHA, SIMON, US
[72] MATHIAS, WILLIAM R., US
[72] SPARKS, EVAN, US
[72] KRAMKA, JOEL, US
[72] CARUTHERS, MONTEL, US
[72] HILLSTROM, HENRY M., US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2022-06-01
[86] 2020-09-25 (PCT/US2020/052827)
[87] (WO2021/141641)
[30] US (62/959,520) 2020-01-10
[30] US (63/048,457) 2020-07-06
[30] US (17/025,360) 2020-09-18

[21] **3,160,346**
[13] A1
[51] **Int.Cl. A47J 37/07 (2006.01)**
[25] EN
[54] **PORTABLE GRILLS**
[54] **GRILS PORTATIFS**
[72] HUNT, PAUL R., US
[72] POLACZEK, KAROL, US
[72] POLACZEK, JR. KAROL, US
[72] LATOCHA, JERZY, US
[72] LIVINGSTON-JHA, SIMON, US
[72] MATHIAS, WILLIAM R., US
[72] SPARKS, EVAN, US
[72] KRAMKA, JOEL, US
[72] CARUTHERS, MONTEL, US
[72] HILLSTROM, HENRY M., US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2022-06-01
[86] 2020-09-25 (PCT/US2020/052830)
[87] (WO2021/141642)
[30] US (62/959,520) 2020-01-10
[30] US (63/048,457) 2020-07-06
[30] US (17/025,401) 2020-09-18

[21] **3,160,347**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61L 24/04 (2006.01) A61L 24/06 (2006.01) A61L 24/08 (2006.01) A61L 31/04 (2006.01) A61L 31/06 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **SYNTHETIC TISSUE BARRIERS AND USES THEREOF**
[54] **BARRIERES TISSULAIRES SYNTHETIQUES ET UTILISATIONS ASSOCIEES**
[72] TRAVERSO, CARLO GIOVANNI, US
[72] KIRTANE, AMEYA R., US
[72] LI, JUNWEI, US
[72] BYRNE, JAMES, US
[72] JONES, ALEXIS, US
[72] WANG, THOMAS, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2022-06-01
[86] 2020-12-10 (PCT/US2020/064368)
[87] (WO2021/119354)
[30] US (62/947,582) 2019-12-13
[30] US (63/050,206) 2020-07-10
[30] US (63/050,216) 2020-07-10

[21] **3,160,348**
[13] A1
[51] **Int.Cl. C10G 45/04 (2006.01) B01J 27/051 (2006.01) C10G 45/16 (2006.01)**
[25] EN
[54] **CATALYTIC HYDROTREATING OF FEEDSTOCKS**
[54] **HYDROTRAITEMENT CATALYTIQUE DE CHARGES D'ALIMENTATION**
[72] LAMMINPAA, KAISA, FI
[72] LINDBLAD, MARINA, FI
[72] SELANTAUS, MAARIA, FI
[72] ISOKOSKI, KAIJA, FI
[72] TIITTA, MARJA, FI
[72] SAIRANEN, EMMA, FI
[72] PAASIKALLIO, VILLE, FI
[71] NESTE OYJ, FI
[85] 2022-06-01
[86] 2020-12-18 (PCT/FI2020/050848)
[87] (WO2021/130407)
[30] FI (20196126) 2019-12-23

[21] **3,160,351**
[13] A1
[51] **Int.Cl. H04N 21/436 (2011.01) H04N 21/442 (2011.01)**
[25] EN
[54] **METHOD FOR DELIVERING AUDIO AND/OR VIDEO CONTENTS TO A PLAYER**
[54] **PROCEDE DE DISTRIBUTION DE CONTENUS AUDIO ET/OU VIDEO A UN JOUEUR**
[72] MARTIN, JEAN-FRANCOIS, FR
[72] BREBION, REMY, FR
[72] BOUCHARD, DAVID, FR
[72] STERKERS, DAMIEN, FR
[71] BROADPEAK, FR
[85] 2022-06-01
[86] 2020-12-02 (PCT/EP2020/084289)
[87] (WO2021/110753)
[30] EP (19214253.7) 2019-12-06

[21] **3,160,352**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **METHODS OF TREATING MULTIPLE MYELOMA WITH BISPECIFIC ANTI-BCMA X ANTI-CD3 ANTIBODIES**
[54] **METHODES DE TRAITEMENT DU MYELOME MULTIPLE AVEC DES ANTICORPS BISPECIFIQUES ANTI-BCMA X ANTI-CD3**
[72] LOWY, ISRAEL, US
[72] STERNBERG, DAVID, US
[72] SHARMA, MANISH, US
[72] ADRIAENS, LIEVE, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-06-01
[86] 2020-12-04 (PCT/US2020/063395)
[87] (WO2021/113701)
[30] US (62/944,589) 2019-12-06
[30] US (63/055,085) 2020-07-22
[30] US (63/057,769) 2020-07-28

[21] **3,160,355**
[13] A1
[25] EN
[54] **PACKETIZED DATA COMMUNICATION OVER MULTIPLE UNRELIABLE CHANNELS**
[54] **COMMUNICATION DE DONNEES EN PAQUETS SUR PLUSIEURS CANAUX PEU FIABLES**
[72] AVNI, URI, US
[72] DRORI, ISRAEL, US
[71] ZIXI, LLC, US
[85] 2022-06-01
[86] 2020-12-02 (PCT/IB2020/061382)
[87] (WO2021/111329)
[30] US (16/699,786) 2019-12-02

[21] **3,160,356**
[13] A1
[51] **Int.Cl. G06F 8/34 (2018.01) G06F 8/30 (2018.01) G06F 8/36 (2018.01) G06F 8/71 (2018.01)**
[25] EN
[54] **APPLICATION DEVELOPMENT INVOLVING INSTANT PROTOTYPING**
[54] **DEVELOPPEMENT D'APPLICATIONS IMPLIQUANT LE PROTOTYPAGE INSTANTANE**
[72] DUGGAL, SACHIN DEV, GB
[72] GHOSH, SIDDHARTHA, GB
[72] PATEL, ROHAN, GB
[72] KOOCHAR, PRIYANKA, GB
[71] ENGINEER.AI GLOBAL LIMITED, GB
[85] 2022-06-01
[86] 2020-12-12 (PCT/EP2020/085866)
[87] (WO2021/116471)
[30] US (62/948,100) 2019-12-13

[21] **3,160,360**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C12N 15/113 (2010.01) A61K 35/13 (2015.01)**
[25] EN
[54] **ADOPTIVE CELL THERAPY WITH ZBTB20 SUPPRESSION**
[54] **THERAPIE CELLULAIRE ADOPTIVE AVEC SUPPRESSION DU GENE ZBTB20**
[72] USHERWOOD, EDWARD, US
[72] USERWOOD, YOUNG-KWANG, US
[71] THE TRUSTEES OF DARTMOUTH COLLEGE, US
[85] 2022-06-01
[86] 2020-12-04 (PCT/US2020/063291)
[87] (WO2021/113628)
[30] US (62/943,526) 2019-12-04

[21] **3,160,363**
[13] A1
[51] **Int.Cl. G01S 7/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MULTIPATH BEAM NULLING**
[54] **SYSTEMES ET PROCEDES D'ANNULATION DE FAISCEAUX A TRAJETS MULTIPLES**
[72] PAUPLIS, BARBARA, US
[72] VONGOELER, FRIEDEL S., US
[71] RAYTHEON COMPANY, US
[85] 2022-06-01
[86] 2020-10-09 (PCT/US2020/054923)
[87] (WO2021/158266)
[30] US (16/708,478) 2019-12-10

[21] **3,160,366**
[13] A1
[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/497 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **NOVEL AMINO ARYL DERIVATIVE USEFUL AS DIACYLGLYCEROL ACYLTRANSFERASE 2 INHIBITOR AND USE THEREOF**
[54] **NOUVEAU DERIVE AMINO-ARYLE UTILE EN TANT QU'INHIBITEUR DE DIACYLGLYCEROL ACYLTRANSFERASE 2 ET SON UTILISATION**
[72] YOON, SEUNG HYUN, KR
[72] JOO, HYUN WOO, KR
[72] SEO, BO KYUNG, KR
[72] LEE, EUN JIN, KR
[72] JUNG, JIN YOUNG, KR
[72] YOON, SU YOUNG, KR
[72] CHO, WOO YOUNG, KR
[71] LG CHEM, LTD., KR
[85] 2022-06-01
[86] 2020-12-22 (PCT/KR2020/018929)
[87] (WO2021/133035)
[30] KR (10-2019-0173487) 2019-12-23

[21] **3,160,367**
[13] A1
[51] **Int.Cl. A61K 31/50 (2006.01) A61P 25/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **OGA INHIBITOR COMPOUNDS**
[54] **COMPOSES INHIBITEURS D'OGA**
[72] BARTOLOME-NEBREDA, JOSE MANUEL, ES
[72] BUIJNSTERS, PETRUS JACOBUS JOHANNES ANTONIUS, BE
[72] LEENAERTS, JOSEPH ELISABETH, BE
[72] MARTINEZ LAMENCA, CAROLINA, BE
[72] OEHLRICH, DANIEL, BE
[72] TRABANCO-SUAREZ, ANDRES AVELINO, ES
[72] VAN ROOSBROECK, YVES EMIEL M, BE
[72] VELTER, ADRIANA INGRID, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2022-06-01
[86] 2020-12-18 (PCT/EP2020/087204)
[87] (WO2021/123297)
[30] EP (19383139.3) 2019-12-18

[21] **3,160,368**
[13] A1
[51] **Int.Cl. C07D 403/14 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED IMIDAZOLECARBOXAMIDE AS BRUTON'S TYROSINE KINASE INHIBITORS**
[54] **IMIDAZOLECARBOXAMIDE SUBSTITUE UTILISE COMME INHIBITEURS DE LA TYROSINE KINASE DE BRUTON**
[72] JIANG, YUQIN, CN
[72] DING, QINGJIE, CN
[72] MA, CHUNHUA, CN
[72] XU, GUIQING, CN
[72] ZHANG, DANDAN, CN
[72] LI, YANG, CN
[72] LI, PENGFEI, CN
[72] LI, WEI, CN
[72] YANG, SHOUNING, CN
[72] SHI, XIN, CN
[72] SHI, PEIPEI, CN
[71] HENAN ZHIWEI BIOMEDICINE CO., LTD., CN
[85] 2022-06-01
[86] 2020-12-04 (PCT/CN2020/133938)
[87] (WO2021/110142)
[30] CN (201911229830.0) 2019-12-04
[30] CN (202010504361.5) 2020-06-05

[21] **3,160,369**
[13] A1
[51] **Int.Cl. A23J 1/00 (2006.01) A23J 1/12 (2006.01) A23J 1/14 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE PREPARATION OF UNDENATURED VEGETABLE PROTEIC ISOLATES**
[54] **PROCEDE DE PREPARATION D'ISOLATS PROTEIQUES VEGETAUX NON DENATURES**
[72] GRANDI, MAURO, IT
[71] HIWEISS S.R.L., IT
[85] 2022-06-01
[86] 2020-12-21 (PCT/IB2020/062277)
[87] (WO2021/124307)
[30] IT (102019000024973) 2019-12-20

[21] **3,160,371**
[13] A1
[51] **Int.Cl. D02G 3/44 (2006.01) D03D 15/513 (2021.01)**
[25] EN
[54] **FLAME RESISTANT FABRICS FORMED OF LONG STAPLE YARNS AND FILAMENT YARNS**
[54] **TISSUS IGNIFUGES CONSTITUES DE LONGS FILS DISCONTINUS ET DE FILS CONTINUS**
[72] DUNN, CHARLES S., US
[72] LATON, MICHAEL A., US
[72] WALSH, BRIAN JOHN, US
[72] RITENOUR, SCOTT, US
[71] SOUTHERN MILLS, INC., US
[85] 2022-06-01
[86] 2020-12-04 (PCT/US2020/063411)
[87] (WO2021/113712)
[30] US (62/943,968) 2019-12-05

[21] **3,160,373**
[13] A1
[51] **Int.Cl. B26B 21/24 (2006.01) B26B 21/40 (2006.01)**
[25] EN
[54] **DUAL SIDED RAZOR**
[54] **RASOIR DOUBLE FACE**
[72] LIBERATORE, RAYMOND A., US
[71] MACK-RAY, INC., US
[85] 2022-06-01
[86] 2020-12-02 (PCT/US2020/062824)
[87] (WO2021/113315)
[30] US (62/943,438) 2019-12-04

[21] **3,160,378**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **GUT MICROBIOTA-RELATED METHODS FOR TREATING DEMENTIA AND AGE-DEPENDENT COGNITIVE DECLINE**
[54] **METHODES ASSOCIEES AU MICROBIOTE INTESTINAL DESTINEES AU TRAITEMENT DE LA DEMENCE ET DU DECLIN COGNITIF DEPENDANT DE L'AGE**
[72] BLANK, THOMAS, DE
[71] ALBERT-LUDWIGS-UNIVERSITAT FREIBURG, DE
[85] 2022-06-01
[86] 2020-12-22 (PCT/EP2020/087698)
[87] (WO2021/130267)
[30] EP (19219331.6) 2019-12-23
[30] EP (20161869.1) 2020-03-09

[21] **3,160,379**
[13] A1
[51] **Int.Cl. H04N 21/431 (2011.01) H04N 21/2187 (2011.01) H04N 21/414 (2011.01) H04N 21/45 (2011.01) H04N 21/466 (2011.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR AGGREGATING LIVE STREAMS**
[54] **PROCEDE ET SYSTEME POUR AGREGER DES FLUX EN DIRECT**
[72] BANCS, GEORGE, AU
[71] WWEEVV PTY LTD, AU
[85] 2022-06-01
[86] 2020-12-02 (PCT/IB2020/061349)
[87] (WO2021/111310)
[30] AU (2019904548) 2019-12-02

[21] **3,160,381**
[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **ELECTRICAL DRILL BITS**
[54] **TREPANS ELECTRIQUES**
[72] LORIAN, ADI, IL
[72] BARER, NOA, IL
[72] ZILBERMAN, ROY, IL
[72] PAZ, OFER, IL
[72] DURAISAMY, ANBARASAN, SG
[72] SCHRAUDOLPH, ULRICH, SG
[72] FREZAL, OLIVIER, FR
[71] CONFIDENT ABC LTD., IL
[71] SPINEGUARD S.A., FR
[85] 2022-06-01
[86] 2020-12-02 (PCT/IL2020/051241)
[87] (WO2021/111439)
[30] US (62/942,520) 2019-12-02

[21] **3,160,384**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/02 (2006.01)**
[25] EN
[54] **OPTICAL METHOD FOR THE DETECTION OF A TARGET MOLECULE BY MEANS OF AMPLIFICATION IN THE INTERFERENCE RESPONSE BY REFRACTIVE INDEX AND DISPERSION**
[54] **METHODE OPTIQUE DE DETECTION D'UNE MOLECULE CIBLE PAR AMPLIFICATION DE LA REPONSE AUX INTERFERENCES EN FONCTION DE L'INDICE DE REFRACTION ET DE LA DISPERSION**
[72] HOLGADO BOLANOS, MIGUEL, ES
[72] DIAZ PERALES, ARACELI, ES
[72] GARRIDO ARANDIA, MARIA, ES
[72] LOPEZ ESPINOSA, ROCIO, ES
[72] ROMERO SAHAGUN, ALEJANDRO, ES
[72] LAGUNA HERAS, MARIA FE, ES
[72] FERNANDEZ PACIOS, LUIS, ES
[72] SANTAMARIA FERNANDEZ, BEATRIZ, ES
[72] RAMIREZ ALONSO, YOLANDA, ES
[72] SANZA GUTIERREZ, FRANCISCO JAVIER, ES
[71] UNIVERSIDAD POLITECNICA DE MADRID, ES
[71] BIO OPTICAL DETECTION, S.L., ES
[85] 2022-06-01
[86] 2020-11-25 (PCT/ES2020/070735)
[87] (WO2021/111020)
[30] ES (P201931066) 2019-12-02

[21] **3,160,386**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/915 (2013.01)**
[25] EN
[54] **SUPPORT STRUCTURE FOR AN IMPLANTABLE DEVICE WITH ENHANCED COMPRESSIVE STIFFNESS REGION(S)**
[54] **STRUCTURE DE SUPPORT POUR UN DISPOSITIF IMPLANTABLE COMPRENANT UNE(DES) REGION(S) A RIGIDITE A LA COMPRESSION AMELIOREE**
[72] DIENNO, DUSTIN V., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2022-06-01
[86] 2020-12-18 (PCT/US2020/066171)
[87] (WO2021/127536)
[30] US (62/951,292) 2019-12-20

[21] **3,160,393**
[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01)**
[25] EN
[54] **A PHARMACEUTICAL ORAL DOSAGE FORM OF Q203**
[54] **FORME POSOLOGIQUE ORALE PHARMACEUTIQUE DE Q203**
[72] NAM, KIYEAN, KR
[72] KIM, JAESEUNG, KR
[72] JUNG, CHUNWON, KR
[72] LEE, SAEYEON, KR
[71] QURIENT CO., LTD., KR
[85] 2022-06-01
[86] 2020-12-17 (PCT/EP2020/086772)
[87] (WO2021/122996)
[30] US (62/951,393) 2019-12-20

[21] **3,160,395**
[13] A1
[51] **Int.Cl. C07D 207/04 (2006.01) C07C 211/04 (2006.01) C07C 211/05 (2006.01) C07C 211/06 (2006.01) C07C 211/08 (2006.01) C07C 211/10 (2006.01) C07D 211/62 (2006.01) C07D 213/68 (2006.01) C07D 233/60 (2006.01) C07D 233/64 (2006.01) C07D 295/15 (2006.01) C07D 401/04 (2006.01) C07D 453/02 (2006.01)**
[25] EN
[54] **NANOMATERIALS**
[54] **NANOMATERIAUX**
[72] PATWARDHAN, NEERAJ NARENDRA, US
[72] CHHABRA, MILLONI BALWANTKUMAR, US
[72] HAMILTON, GREGORY LAWRENCE, US
[72] SAGO, CORY DANE, US
[72] SHEHATA, MINA FAWZY GABALLA, US
[71] GUIDE THERAPEUTICS, LLC, US
[85] 2022-06-01
[86] 2020-12-02 (PCT/US2020/062893)
[87] (WO2021/113365)
[30] US (62/944,735) 2019-12-06

[21] **3,160,396**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61L 31/08 (2006.01) A61L 31/10 (2006.01) A61N 1/36 (2006.01) A61N 1/375 (2006.01)**
[25] EN
[54] **IMPLANTABLE STIMULATOR WITH AN ELECTRODE ARRAY AND CONFORMABLE SUBSTRATE**
[54] **STIMULATEUR IMPLANTABLE DOTE D'UN RESEAU D'ELECTRODES ET D'UN SUBSTRAT CONFORMABLE**
[72] MARTENS, HUBERT, NL
[72] SCHOBBEN, DANIEL, NL
[72] VAN DER ZALM, MAARTJE, NL
[72] BOERE, STIJN, NL
[71] SALVIA BIOELECTRONICS B.V., NL
[85] 2022-06-01
[86] 2020-12-04 (PCT/IB2020/061474)
[87] (WO2021/111371)
[30] US (16/703,706) 2019-12-04
[30] NL (2025268) 2020-04-03

[21] **3,160,398**
[13] A1
[51] **Int.Cl. A61M 5/14 (2006.01) A61M 39/08 (2006.01) F16L 11/12 (2006.01) F16L 33/34 (2006.01) G01M 3/22 (2006.01)**
[25] EN
[54] **TUBING MARKERS**
[54] **MARQUEURS DE TUBE**
[72] SUWITO, WANTJINARJO, US
[71] CAREFUSION 303, INC., US
[85] 2022-06-01
[86] 2020-12-07 (PCT/US2020/063661)
[87] (WO2021/118939)
[30] US (16/708,075) 2019-12-09

[21] **3,160,399**
[13] A1
[51] **Int.Cl. B22F 3/16 (2006.01) B22F 3/24 (2006.01) B22F 5/00 (2006.01) B24B 31/03 (2006.01) C21D 1/06 (2006.01) C21D 7/04 (2006.01) C21D 9/22 (2006.01) C22C 29/06 (2006.01) C22C 29/08 (2006.01) C23C 24/04 (2006.01) C23C 26/00 (2006.01) C23C 30/00 (2006.01)**
[25] EN
[54] **METHOD OF TREATING A MINING INSERT**
[54] **PROCEDE DE TRAITEMENT D'UN INSERT D'EXPLOITATION MINIERE**
[72] ARVANITIDIS, IOANNIS, SE
[72] BLOMQVIST, ANDREAS, SE
[72] GARCIA, JOSE-LUIS, SE
[72] HOLMSTROM, ERIK, SE
[72] LILJA, MIRJAM, SE
[71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE
[71] AB SANDVIK COROMANT, SE
[85] 2022-06-01
[86] 2020-12-18 (PCT/EP2020/087073)
[87] (WO2021/123204)
[30] EP (19218880.3) 2019-12-20

[21] **3,160,400**
[13] A1
[51] **Int.Cl. B09B 3/00 (2022.01) C02F 1/52 (2006.01) C04B 18/04 (2006.01) C04B 22/06 (2006.01) C04B 28/34 (2006.01) E01C 23/09 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING AND DISPOSING WASTEWATER GRIT**
[54] **PROCEDE DE TRAITEMENT ET D'ELIMINATION DES DECHETS DE DESSABLAGE D'EAUX USEES**
[72] LIU, ZHONGZHE, US
[72] WAN, BAOLIN, US
[72] YOUNG, KYANA, US
[71] MARQUETTE UNIVERSITY, US
[85] 2022-06-01
[86] 2020-12-02 (PCT/US2020/062904)
[87] (WO2021/113372)
[30] US (62/942,420) 2019-12-02

[21] **3,160,401**
[13] A1
[51] **Int.Cl. C11D 3/386 (2006.01) C12N 9/28 (2006.01)**
[25] EN
[54] **CLEANING COMPOSITIONS COMPRISING POLYPEPTIDES HAVING ALPHA AMYLASE ACTIVITY**
[54] **COMPOSITIONS DE NETTOYAGE COMPRENANT DES POLYPEPTIDES AYANT UNE ACTIVITE D'ALPHA-AMYLASE**
[72] LANT, NEIL JOSEPH, GB
[72] VASQUEZ VALDIVIESO, MONTSERRAT GUADALUPE, GB
[72] ANDERSEN, CARSTEN, DK
[72] SAINATHAN, RAJENDRA KULOTHUNGAN, IN
[72] MAHANKALI, MADHUPRIYA, IN
[72] KRISHNA, SUBITH, IN
[72] PRASAD, DINESH, IN
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-06-01
[86] 2020-12-18 (PCT/US2020/065818)
[87] (WO2021/127319)
[30] IN (201911052909) 2019-12-19
[30] IN (202011053559) 2020-12-09

[21] **3,160,403**
[13] A1
[51] **Int.Cl. C11D 17/00 (2006.01) C11D 3/00 (2006.01) C11D 3/10 (2006.01) C11D 3/20 (2006.01) C11D 3/386 (2006.01) C11D 11/00 (2006.01) C11D 17/04 (2006.01) C11D 17/06 (2006.01)**
[25] EN
[54] **STABLE ANHYDROUS LAUNDRY DETERGENT CONCENTRATE AND METHOD OF MAKING SAME**
[54] **CONCENTRE DE DETERGENT A LESSIVE ANHYDRE STABLE ET SON PROCEDE DE FABRICATION**
[72] NAQVI, SYED HUMZA, US
[71] ONE HOME BRANDS, INC., US
[85] 2022-06-01
[86] 2020-04-03 (PCT/US2020/026676)
[87] (WO2021/201882)

[21] **3,160,405**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **OGA INHIBITOR COMPOUNDS**
[54] **COMPOSES INHIBITEURS D'OGA**
[72] BARTOLOME-NEBREDA, JOSE MANUEL, ES
[72] BUIJNSTERS, PETRUS JACOBUS JOHANNES ANTONIUS, BE
[72] DE LUCAS OLIVARES, ANA ISABEL, ES
[72] LEENAERTS, JOSEPH ELISABETH, BE
[72] MARTINEZ LAMENCA, CAROLINA, BE
[72] OEHLRICH, DANIEL, BE
[72] TRABANCO-SUAREZ, ANDRES AVELINO, ES
[72] VAN ROOSBROECK, YVES EMIEL M, BE
[72] VELTER, ADRIANA INGRID, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2022-06-01
[86] 2020-12-18 (PCT/EP2020/087201)
[87] (WO2021/123294)
[30] EP (19383138.5) 2019-12-18
[30] EP (20197523.2) 2020-09-22
[30] EP (20203022.7) 2020-10-21

[21] **3,160,406**
[13] A1
[51] **Int.Cl. A01D 41/127 (2006.01) A01D 41/14 (2006.01) A01D 57/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LIMITING REEL ADJUSTMENT IN AN AGRICULTURAL HEADER**
[54] **SYSTEMES ET PROCEDES POUR LIMITER LE REGLAGE DE BOBINE DANS UNE TABLE DE COUPE AGRICOLE**
[72] HUNT, CORY DOUGLAS, US
[72] MARTIN, JETHRO, US
[72] SHANE, NICHOLAS, US
[71] CNH INDUSTRIAL AMERICA LLC, US
[85] 2022-06-01
[86] 2020-12-09 (PCT/US2020/063905)
[87] (WO2021/133550)
[30] US (16/724,837) 2019-12-23

[21] **3,160,407**
[13] A1
[51] **Int.Cl. E05B 13/10 (2006.01) E05B 63/14 (2006.01)**
[25] EN
[54] **ALIGNMENT GUIDE FOR A DOOR HANDLE ASSEMBLY**
[54] **GUIDE D'ALIGNEMENT POUR ENSEMBLE POIGNEE DE PORTE**
[72] BUI, JEANETTE VY, US
[72] WINARDI, MICHAEL, US
[72] LI, LYNTHIA, US
[72] CHONG, GERALD, US
[71] SPECTRUM BRANDS, INC., US
[85] 2022-06-01
[86] 2020-12-10 (PCT/US2020/064193)
[87] (WO2021/119243)
[30] US (62/948,090) 2019-12-13

[21] **3,160,409**
[13] A1
[51] **Int.Cl. A47J 37/07 (2006.01) F16M 11/04 (2006.01) F16M 11/38 (2006.01) F16M 11/42 (2006.01)**
[25] EN
[54] **PORTABLE GRILLS**
[54] **GRILS PORTATIFS**
[72] HUNT, PAUL R., US
[72] POLACZEK, KAROL, US
[72] POLACZEK, JR. KAROL, US
[72] LATOCHA, JERZY, US
[72] LIVINGSTON-JHA, SIMON, US
[72] MATHIAS, WILLIAM R., US
[72] SPARKS, EVAN, US
[72] KRAMKA, JOEL, US
[72] HILLSTROM, HENRY M., US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2022-06-01
[86] 2020-09-25 (PCT/US2020/052839)
[87] (WO2021/141645)
[30] US (62/959,520) 2020-01-10
[30] US (63/048,457) 2020-07-06
[30] US (17/025,500) 2020-09-18

[21] **3,160,410**
[13] A1
[51] **Int.Cl. A61K 31/4418 (2006.01) A61K 31/4427 (2006.01) A61K 31/496 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **COMBINATION OF AN AZETIDINE LPA1 RECEPTOR ANTAGONIST WITH PIRFENIDONE AND/OR NINTEDANIB FOR USE IN THE TREATMENT OF FIBROTIC DISEASES**
[54] **COMBINAISON D'UN ANTAGONISTE DU RECEPTEUR LPA1 DE L'AZETIDINE AVEC DE LA PIRFENIDONE ET/OU DU NINTEDANIB DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT DE MALADIES FIBROTIQUES**
[72] BIRKER, MAGDALENA, CH
[72] LESCOP, CYRILLE, CH
[71] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2022-06-01
[86] 2020-12-03 (PCT/EP2020/084401)
[87] (WO2021/110805)
[30] EP (PCT/EP2019/083757) 2019-12-04

[21] **3,160,412**
[13] A1
[51] **Int.Cl. A47J 36/10 (2006.01) A47J 37/07 (2006.01)**
[25] EN
[54] **PORTABLE GRILLS**
[54] **GRILLS PORTATIFS**
[72] HUNT, PAUL R., US
[72] POLACZEK, KAROL, US
[72] POLACZEK, JR. KAROL, US
[72] LATOCHA, JERZY, US
[72] CRULL, JEFFREY L., US
[72] LIVINGSTON-JHA, SIMON, US
[72] MATHIAS, WILLIAM R., US
[72] SPARKS, EVAN, US
[72] KRAMKA, JOEL, US
[72] HILLSTROM, HENRY M., US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2022-06-01
[86] 2020-09-25 (PCT/US2020/052845)
[87] (WO2021/141646)
[30] US (62/959,520) 2020-01-10
[30] US (63/048,457) 2020-07-06
[30] US (17/025,509) 2020-09-18

[21] **3,160,415**
[13] A1
[51] **Int.Cl. C12N 5/077 (2010.01) A61K 35/16 (2015.01) A61K 35/34 (2015.01) C07K 14/78 (2006.01) C07K 16/28 (2006.01) G01N 33/50 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **A METHOD OF ISOLATING EXOSOMES**
[54] **PROCEDE D'ISOLEMENT D'EXOSOMES**
[72] DUGUEZ, STEPHANIE, GB
[72] DUDDY, WILLIAM, GB
[72] CONNOLLY, OWEN, GB
[71] UNIVERSITY OF ULSTER, GB
[85] 2022-06-01
[86] 2020-12-04 (PCT/EP2020/084640)
[87] (WO2021/110920)
[30] GB (1917698.1) 2019-12-04

[21] **3,160,417**
[13] A1
[51] **Int.Cl. A61K 31/415 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **DOSING OF A BRUTON'S TYROSINE KINASE INHIBITOR**
[54] **DOSAGE D'UN INHIBITEUR DE LA TYROSINE KINASE DE BRUTON**
[72] BRANDHUBER, BARBARA JEAN, US
[72] KU, NORA CHIEN YEE, US
[72] NANDA, NISHA, US
[72] SMITH, STEVEN AUGUST, US
[72] TSAI, DONALD, US
[71] LOXO ONCOLOGY, INC., US
[85] 2022-06-01
[86] 2020-12-03 (PCT/US2020/063089)
[87] (WO2021/113497)
[30] US (62/944,674) 2019-12-06
[30] US (63/077,996) 2020-09-14
[30] US (63/109,698) 2020-11-04

[21] **3,160,418**
[13] A1
[51] **Int.Cl. A01G 22/00 (2018.01) G06Q 10/06 (2012.01) E04H 5/00 (2006.01) E04H 5/08 (2006.01)**
[25] EN
[54] **INFRASTRUCTURE AND METHODOLOGY FOR PRODUCING CANNABIS**
[54] **INFRASTRUCTURE ET METHODOLOGIE POUR LA PRODUCTION DE CANNABIS**
[72] SMITH, EVAN, CA
[72] DUVEAU, GUILLAUME, JE
[72] LEGIERSKA, RENATA, GB
[71] CICADA LIMITED, GB
[85] 2022-06-01
[86] 2021-06-22 (PCT/CA2020/051756)
[87] (3160418)

[21] **3,160,419**
[13] A1
[51] **Int.Cl. C07D 305/06 (2006.01)**
[25] EN
[54] **PROCESS AND INTERMEDIATE FOR THE PREPARATION OF OXETAN-2-YLMETHANAMINE**
[54] **PROCEDE ET INTERMEDIAIRE POUR LA PREPARATION D'OXETANE-2-YLMETHANAMINE**
[72] COLE, KEVIN PAUL, US
[71] ELI LILLY AND COMPANY, US
[85] 2022-06-01
[86] 2020-12-07 (PCT/US2020/063546)
[87] (WO2021/118906)
[30] US (62/946,146) 2019-12-10

[21] **3,160,420**
[13] A1
[51] **Int.Cl. A47J 37/07 (2006.01) F16M 11/04 (2006.01) F16M 11/38 (2006.01) F16M 11/42 (2006.01)**
[25] EN
[54] **PORTABLE GRILLS**
[54] **GRILS PORTATIFS**
[72] HUNT, PAUL R., US
[72] POLACZEK, KAROL, US
[72] POLACZEK, JR. KAROL, US
[72] LIVINGSTON-JHA, SIMON, US
[72] MATHIAS, WILLIAM R., US
[72] SPARKS, EVAN, US
[72] KRAMKA, JOEL, US
[72] CARUTHERS, MONTEL, US
[72] HILLSTROM, HENRY M., US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2022-06-01
[86] 2020-09-25 (PCT/US2020/052837)
[87] (WO2021/141644)
[30] US (62/959,520) 2020-01-10
[30] US (63/048,457) 2020-07-06
[30] US (17/025,484) 2020-09-18

[21] **3,160,421**
[13] A1
[51] **Int.Cl. C02F 3/34 (2006.01) C12M 1/02 (2006.01) C12M 1/40 (2006.01) C12N 11/00 (2006.01)**
[25] EN
[54] **ONSITE MICROORGANISM-BASED TREATMENT METHOD, SYSTEM AND APPARATUS**
[54] **PROCEDE, SYSTEME ET APPAREIL DE TRAITEMENT SUR SITE A BASE DE MICRO-ORGANISMES**
[72] GREEN, ROBERT, NZ
[71] GREEN, ROBERT, NZ
[85] 2022-06-01
[86] 2020-12-02 (PCT/NZ2020/050164)
[87] (WO2021/112691)
[30] NZ (759816) 2019-12-03

[21] **3,160,422**
[13] A1
[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01) C12P 35/00 (2006.01)**
[25] EN
[54] **GENETICALLY ENGINEERED DOUBLE NEGATIVE T CELLS AS AN ADOPTIVE CELLULAR THERAPY**
[54] **LYMPHOCYTES T NEGATIFS DOUBLES GENETIQUEMENT MODIFIES EN TANT QUE THERAPIE CELLULAIRE ADOPTIVE**
[72] ZHANG, LI, CA
[72] LEE, JONG BOK, CA
[72] VASIC, DANIEL, CA
[72] KHATRI, ISMAT, CA
[72] LY, DALAM, CA
[72] LEUNG, YUKI SZE LONG, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2022-06-01
[86] 2020-12-07 (PCT/CA2020/051682)
[87] (WO2021/108926)
[30] US (62/944,634) 2019-12-06

[21] **3,160,423**
[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **ENHANCEMENT OF IPSC-DERIVED EFFECTOR IMMUNE CELL USING SMALL COMPOUNDS**
[54] **AMELIORATION D'UNE CELLULE IMMUNITAIRE EFFECTRICE DERIVEE D'IPSC A L'AIDE DE PETITS COMPOSES**
[72] VALAMEHR, BAHRAM, US
[72] BJORDAHL, RYAN, US
[72] GOODRIDGE, JODE, US
[72] MANDAL, MILI, US
[72] CHANG, CHIA-WEI, US
[71] FATE THERAPEUTICS, INC., US
[85] 2022-06-01
[86] 2020-12-04 (PCT/US2020/063457)
[87] (WO2021/113744)
[30] US (62/945,040) 2019-12-06

[21] **3,160,429**
[13] A1
[51] **Int.Cl. G16B 40/00 (2019.01) G16B 5/00 (2019.01) G16B 30/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING A PROTEIN SEQUENCE**
[54] **SYSTEME ET PROCEDE DE GENERATION D'UNE SEQUENCE DE PROTEINES**
[72] KIM, PHILIP M., CA
[72] STROKACH, ALEXEY V., CA
[72] ROMERO, DAVID B., CA
[72] CORBI VERGE, CARLOS, CA
[72] PEREZ RIBA, ALBERTO, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2022-06-01
[86] 2020-12-04 (PCT/CA2020/051669)
[87] (WO2021/108919)
[30] US (62/944,648) 2019-12-06

[21] **3,160,430**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04H 20/74 (2009.01) H04L 1/00 (2006.01)**
[25] EN
[54] **DVB-S2 DOWNLINK ACM ALGORITHM ENHANCEMENT TO IMPROVE DATA THROUGHPUT**
[54] **AMELIORATION D'ALGORITHME ACM DE LIAISON DESCENDANTE DVB-S2 POUR AMELIORER LE DEBIT DE DONNEES**
[72] FAN, ZENGQUAN, US
[72] KHAN, TAYYAB, US
[71] HUGHES NETWOK SYSTEMS, LLC, US
[85] 2022-06-01
[86] 2020-12-30 (PCT/US2020/067563)
[87] (WO2021/138488)
[30] US (16/732,182) 2019-12-31

[21] **3,160,431**
[13] A1
[51] **Int.Cl. A24D 3/04 (2006.01) A24D 1/02 (2006.01) A24D 3/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A CONICAL FILTER BODY**
[54] **PROCEDE DE FABRICATION D'UN CORPS FILTRANT CONIQUE**
[72] RAMSAUER, MARTIN, DE
[71] VAUEN ADOLF ECKERT GMBH & CO. KG, DE
[85] 2022-06-01
[86] 2021-09-21 (PCT/EP2021/075946)
[87] (WO2022/063778)
[30] DE (10 2020 124 718.4) 2020-09-22

[21] **3,160,433**
[13] A1
[51] **Int.Cl. C12N 5/0775 (2010.01) A61K 35/28 (2015.01)**
[25] EN
[54] **METHOD FOR PREPARATION OF MESENCHYMAL STEM CELL FROM HUMAN PLURIPOTENT STEM CELL AND MESENCHYMAL STEM CELLS PREPARED THEREBY**
[54] **PROCEDE DE PREPARATION D'UNE CELLULE SOUCHE MESENCHYMATEUSE A PARTIR D'UNE CELLULE SOUCHE PLURIPOTENTE HUMAINE ET CELLULES SOUCHES MESENCHYMATEUSES AINSI PREPAREES**
[72] KIM, KI NAM, KR
[72] CHOI, SUNG HYUN, KR
[72] OH, BORAM, KR
[72] CHOI, MI KYUNG, KR
[72] CHO, JUN KWON, KR
[71] DAEWOONG PHARMACEUTICAL CO., LTD., KR
[85] 2022-06-01
[86] 2020-12-09 (PCT/KR2020/017948)
[87] (WO2021/118226)
[30] KR (10-2019-0162393) 2019-12-09

[21] **3,160,442**
[13] A1
[51] **Int.Cl. A61M 60/13 (2021.01) A61M 60/818 (2021.01) A61M 60/82 (2021.01) A61M 60/825 (2021.01)**
[25] EN
[54] **BLOOD PUMPS**
[54] **POMPES A SANG**
[72] EARLES, RONALD G., US
[72] HEURING, JASON J., US
[72] DURST, CHRISTOPHER A., US
[72] BENAVIDES, OMAR, US
[71] PROCYRION, INC., US
[85] 2022-06-01
[86] 2020-12-02 (PCT/US2020/062928)
[87] (WO2021/113389)
[30] US (62/943,062) 2019-12-03
[30] US (62/947,940) 2019-12-13

[21] **3,160,448**
[13] A1
[51] **Int.Cl. B32B 3/26 (2006.01) C09J 7/21 (2018.01) B32B 7/03 (2019.01) B32B 5/12 (2006.01) B32B 7/06 (2019.01) B32B 7/12 (2006.01) B32B 29/00 (2006.01) B65D 63/10 (2006.01) D21H 27/30 (2006.01)**
[25] EN
[54] **REPULPABLE, RECYCLABLE, COMPOSTABLE AND BIODEGRADABLE REINFORCEMENT ELEMENTS AND PAPER REINFORCED TAPES, AND CONTAINERS INCLUDING THE SAME**
[54] **ELEMENTS DE RENFORCEMENT DESINTEGRABLES, RECYCLABLES, COMPOSTABLES ET BIODEGRADABLES ET BANDES RENFORCEES DE PAPIER, ET RECIPIENTS LES COMPRENANT**
[72] NOWAK, MICHAEL J., US
[72] STEWART-IRVIN, CYNTHIA A., US
[72] GLEASON, PATRICK D., US
[71] H.B. FULLER COMPANY, US
[85] 2022-06-01
[86] 2021-01-07 (PCT/US2021/012470)
[87] (WO2021/142097)
[30] US (62/958,108) 2020-01-07
[30] US (63/044,599) 2020-06-26
[30] US (62/979,236) 2020-02-20

[21] **3,160,450**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/63 (2006.01) C12N 15/67 (2006.01) C12N 15/74 (2006.01)**
[25] EN
[54] **MODULAR, CELL-FREE PROTEIN EXPRESSION VECTORS TO ACCELERATE BIOLOGICAL DESIGN IN CELLS**
[54] **VECTEURS D'EXPRESSION DE PROTEINES MODULAIRES ACELLULAIRES POUR ACCELERER LA CONCEPTION BIOLOGIQUE DANS DES CELLULES**
[72] JEWETT, MICHAEL C., US
[72] KARIM, ASHTY S., US
[72] JUMINAGA, DARMAWI, US
[72] LIEW, FUNGMIN, US
[72] JEWETT, MICHAEL C., US
[72] KARIM, ASHTY S., US
[72] KOEPKE, MICHAEL, US
[72] JUMINAGA, DARMAWI, US
[72] LIEW, FUNGMIN, US
[71] NORTHWESTERN UNIVERSITY, US
[71] LANZATECH, INC., US
[85] 2022-06-01
[86] 2020-12-03 (PCT/US2020/063162)
[87] (WO2021/113546)
[30] US (62/943,036) 2019-12-03

[21] **3,160,452**
[13] A1
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/16 (2020.01) A24B 15/28 (2006.01) A24B 15/30 (2006.01)**
[25] EN
[54] **ORAL PRODUCT WITH MULTIPLE FLAVORS HAVING DIFFERENT RELEASE PROFILES**
[54] **PRODUIT ORAL AVEC DE MULTIPLES AROMES AYANT DIFFERENTS PROFILS DE LIBERATION**
[72] GRIMES, CHRIS J., US
[72] BEESON, DWAYNE WILLIAM, GB
[72] BUNCH, JOHN E., GB
[72] HOLTON, DARRELL EUGENE JR., GB
[72] HUTCHENS, RONALD K., GB
[72] RIGGINS, ALLEN, GB
[72] STOKES, CYNTHIA, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-06-01
[86] 2020-12-08 (PCT/IB2020/061657)
[87] (WO2021/116916)
[30] US (62/945,494) 2019-12-09

[21] **3,160,454**
[13] A1
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/12 (2006.01) A24F 23/02 (2006.01) B65D 85/808 (2006.01)**
[25] EN
[54] **STIMULUS-RESPONSIVE POUCH**
[54] **SACHET SENSIBLE A UN STIMULUS**
[72] JOHNSON, SAVANNAH, US
[72] HUTCHENS, RONALD K., GB
[72] MCCLANAHAN, DAVID NEIL, GB
[72] PATEL, PANKAJ, GB
[72] O'NEAL, TRAVIS, GB
[72] BEESON, DWAYNE WILLIAM, GB
[72] JONES, WESLEY STEVEN, GB
[72] KELLER, CHRISTOPHER, GB
[72] POOLE, THOMAS H., GB
[72] VON COSMOS, NICOLAS, GB
[72] GERARDI, ANTHONY RICHARD, GB
[72] GRIMES, CHRIS J., GB
[72] ALDERMAN, STEVEN LEE, GB
[72] HOLTON, JR. DARRELL EUGENE, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-06-01
[86] 2020-12-08 (PCT/IB2020/061618)
[87] (WO2021/116895)
[30] US (62/945,460) 2019-12-09

[21] **3,160,458**
[13] A1
[51] **Int.Cl. A23C 1/04 (2006.01) A23C 1/12 (2006.01)**
[25] EN
[54] **LACTOSE-CONTAINING PRODUCT IN POWDER FORM AND PRODUCTION PROCESS THEREOF**
[54] **PRODUIT CONTENANT DU LACTOSE SOUS FORME DE POUDRE ET SON PROCEDE DE PRODUCTION**
[72] VEZZANI, MASSIMO, IT
[71] VOMM IMPIANTI E PROCESSI S.P.A., IT
[85] 2022-06-02
[86] 2020-12-03 (PCT/EP2020/084458)
[87] (WO2021/110832)
[30] IT (102019000023046) 2019-12-05

[21] **3,160,470**
[13] A1
[51] **Int.Cl. H04B 17/29 (2015.01) H04B 17/318 (2015.01)**
[25] EN
[54] **PERCENTILE FLOOR LINK QUALIFICATION**
[54] **QUALIFICATION DE LIAISON BASEE SUR LE BRUIT DE FOND EN PERCENTILES**
[72] KNODE, GALEN EDGAR, US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2022-06-02
[86] 2020-12-02 (PCT/US2020/062959)
[87] (WO2021/113414)
[30] US (62/942,713) 2019-12-02
[30] US (63/022,169) 2020-05-08
[30] US (63/117,759) 2020-11-24

[21] **3,160,484**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01) A61K 47/44 (2017.01)**
[25] EN
[54] **OPHTHALMIC PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES OPHTALMIQUES**
[72] KOTREKA, UDAYA, US
[72] PHADKE, DEEPAK, US
[71] VANDA PHARMACEUTICALS INC., US
[85] 2022-06-02
[86] 2020-12-04 (PCT/US2020/063218)
[87] (WO2021/113580)
[30] US (62/944,074) 2019-12-05
[30] US (63/077,196) 2020-09-11

[21] **3,160,501**
[13] A1
[51] **Int.Cl. C07C 51/41 (2006.01) A61K 31/192 (2006.01) C07C 57/30 (2006.01)**
[25] EN
[54] **CO-CRYSTAL OF KETOPROFEN AND ITS PREPARATION, PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME AND USES THEREOF**
[54] **CO-CRISTAL DE KETOPROFENE ET SA PREPARATION, COMPOSITIONS PHARMACEUTIQUES LE COMPRENANT ET LEURS UTILISATIONS**
[72] ARAMINI, ANDREA, IT
[72] BIANCHINI, GIANLUCA, IT
[72] LILLINI, SAMUELE, IT
[71] DOMPE' FARMACEUTICI SPA, IT
[85] 2022-06-02
[86] 2020-12-21 (PCT/EP2020/087436)
[87] (WO2021/130162)
[30] EP (19219293.8) 2019-12-23

[21] **3,160,502**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 37/06 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **FORMULATIONS OF ANTI-CD38 ANTIBODIES FOR SUBCUTANEOUS ADMINISTRATION**
[54] **FORMULATIONS D'ANTICORPS ANTI-CD38 POUR ADMINISTRATION SOUS-CUTANEE**
[72] BALLET, THOMAS, US
[72] BANGARI, KIRAN, US
[72] CHARI, RAVI, US
[72] HUILLE, SYLVAIN, FR
[72] PEREZ-RAMIREZ, BERNARDO, US
[72] FILIPE, VASCO, US
[71] SANOFI-AVENTIS U.S. LLC, US
[85] 2022-06-02
[86] 2020-12-04 (PCT/US2020/063452)
[87] (WO2021/113739)
[30] US (62/944,082) 2019-12-05

[21] **3,160,503**
[13] A1
[51] **Int.Cl. B23K 26/03 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING AND CONTROLLING THE SEPARATION DISTANCE BETWEEN A WORKING HEAD OF A LASER PROCESSING MACHINE AND THE SURFACE OF AN OBJECT BEING PROCESSED BY MEANS OF LOW COHERENCE OPTICAL INTERFEROMETRY TECHNIQUES**
[54] **PROCEDE ET SYSTEME POUR DETERMINER ET COMMANDER LA DISTANCE DE SEPARATION ENTRE UNE TETE DE TRAVAIL D'UNE MACHINE DE TRAITEMENT AU LASER ET LA SURFACE D'UN OBJET EN COURS DE TRAITEMENT AU MOYEN DE TECHNIQUES D'INTERFEROMETRIE OPTIQUE A FAIBLE COHERENC**
[72] DONADELLO, SIMONE, IT
[72] PREVITALI, BARBARA, IT
[72] COLOMBO, DANIELE, IT
[71] ADIGE S.P.A., IT
[85] 2022-06-02
[86] 2020-12-07 (PCT/IB2020/061581)
[87] (WO2021/111423)
[30] IT (102019000023181) 2019-12-06

[21] **3,160,504**
[13] A1
[51] **Int.Cl. A47J 27/00 (2006.01)**
[25] FR
[54] **COATED METAL COOKING VESSEL THAT CAN BE HEATED BY INDUCTION**
[54] **SUPPORT DE CUISSON METALLIQUE REVETU POUVANT ETRE CHAUFFE PAR INDUCTION**
[72] RUBIO, MARTIN, FR
[72] BRASSET, JEAN-FRANCOIS, FR
[71] SEB S.A., FR
[85] 2022-06-02
[86] 2020-12-22 (PCT/EP2020/087711)
[87] (WO2021/130277)
[30] FR (1915686) 2019-12-27

[21] **3,160,508**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **COMPOUNDS ACTIVE TOWARDS NUCLEAR RECEPTORS**
[54] **COMPOSES ACTIFS VIS-A-VIS DES RECEPTEURS NUCLEAIRES**
[72] SCHRODER GLAD, SANNE, DK
[72] SARVARY, IAN, DK
[72] GOULIAEV, ALEX HAAHR, DK
[72] FRANCH, THOMAS, DK
[72] NIELSEN, SOREN JENSBY, DK
[72] STASI, LUIGI PIERO, DK
[72] ERRA SOLA, MONTSERRAT, ES
[72] TABOADA MARTINEZ, LORENA, ES
[72] TALTAVULL MOLL, JOAN, ES
[72] CATURLA JAVALOYES, JUAN FRANCISCO, ES
[72] PAGES SANTACANA, LLUIS MIQUEL, ES
[71] NUEVOLUTION A/S, DK
[85] 2022-06-02
[86] 2020-12-18 (PCT/IB2020/062227)
[87] (WO2021/124279)
[30] US (62/951,221) 2019-12-20
[30] US (63/064,502) 2020-08-12

[21] **3,160,511**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **CORONAVIRUS VACCINE**
[54] **VACCIN CONTRE UN CORONAVIRUS**
[72] RAUCH, SUSANNE, DE
[72] GROSSE, HANS WOLFGANG, DE
[72] PETSCH, BENJAMIN, DE
[71] CUREVAC AG, DE
[85] 2022-06-02
[86] 2021-02-03 (PCT/EP2021/052455)
[87] (WO2021/156267)
[30] EP (PCT/EP2020/052775) 2020-02-04
[30] EP (PCT/EP2020/059687) 2020-04-03
[30] EP (PCT/EP2020/065091) 2020-05-29
[30] EP (PCT/EP2020/079831) 2020-10-22
[30] EP (PCT/EP2020/079973) 2020-10-23
[30] EP (PCT/EP2020/080713) 2020-11-02
[30] US (63/112,106) 2020-11-10
[30] US (63/113,159) 2020-11-12
[30] US (63/119,390) 2020-11-30
[30] US (63/129,395) 2020-12-22

[21] **3,160,513**
[13] A1
[51] **Int.Cl. B23K 26/03 (2006.01) B23K 26/70 (2014.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING THE LOCAL POSITION OF AT LEAST ONE OPTICAL ELEMENT IN A MACHINE FOR LASER PROCESSING OF A MATERIAL, USING LOW-COHERENCE OPTICAL INTERFEROMETRY TECHNIQUES**
[54] **PROCEDE ET SYSTEME DE DETERMINATION DE LA POSITION LOCALE D'AU MOINS UN ELEMENT OPTIQUE DANS UNE MACHINE DE TRAITEMENT LASER D'UN MATERIAU AU MOYEN DE TECHNIQUES D'INTERFEROMETRIE OPTIQUE A FAIBLE COHERENC**
[72] DONADELLO, SIMONE, IT
[72] PREVITALI, BARBARA, IT
[72] COLOMBO, DANIELE, IT
[71] ADIGE S.P.A., IT
[85] 2022-06-02
[86] 2020-12-04 (PCT/IB2020/061507)
[87] (WO2021/111393)
[30] IT (102019000023214) 2019-12-06

[21] **3,160,515**
[13] A1
[51] **Int.Cl. G06T 7/73 (2017.01) A61B 34/20 (2016.01)**
[25] EN
[54] **DETERMINING RELATIVE 3D POSITIONS AND ORIENTATIONS BETWEEN OBJECTS IN 2D MEDICAL IMAGES**
[54] **DETERMINATION DE POSITIONS ET D'ORIENTATIONS 3D RELATIVES ENTRE DES OBJETS DANS DES IMAGES MEDICALES 2D**
[72] BLAU, ARNO, DE
[71] METAMORPHOSIS GMBH, DE
[85] 2022-06-02
[86] 2020-12-16 (PCT/EP2020/086503)
[87] (WO2021/122804)
[30] EP (19217245.0) 2019-12-17

[21] **3,160,521**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 11/00 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING COPD BY ADMINISTERING AN IL-33 ANTAGONIST**
[54] **METHODES DE TRAITEMENT DE LA BPCO PAR ADMINISTRATION D'UN ANTAGONISTE DE L'IL-33**
[72] LOU, XIAODONG, US
[72] DUKOVIC, DEBORAH, US
[72] JESSEL, ANDREAS, US
[72] TEPER, ARIEL, US
[72] GOULAOUIC, HELENE, FR
[72] RUDDY, MARCELLA, US
[72] AMIN, NIKHIL, US
[72] ABDULAI, RAOLAT, US
[72] BODDY, ALEXANDER, US
[72] STAUDINGER, HERIBERT, US
[72] HAREL, SIVAN, US
[72] NIVENS, CHAD, US
[72] LEDERER, DAVID, US
[71] SANOFI BIOTECHNOLOGY, FR
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-06-02
[86] 2020-12-04 (PCT/US2020/063404)
[87] (WO2021/113707)
[30] US (62/944,878) 2019-12-06
[30] US (62/964,966) 2020-01-23
[30] US (63/082,502) 2020-09-24

[21] **3,160,522**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **COMPOUNDS ACTIVE TOWARDS NUCLEAR RECEPTORS**
[54] **COMPOSES ACTIFS VIS-A-VIS DES RECEPTEURS NUCLEAIRES**
[72] SCHRODER GLAD, SANNE, DK
[72] SARVARY, IAN, DK
[72] GOULIAEV, ALEX HAAHR, DK
[72] FRANCH, THOMAS, DK
[72] NIELSEN, SOREN JENSBY, DK
[72] STASI, LUIGI PIERO, DK
[71] NUEVOLUTION A/S, DK
[85] 2022-06-02
[86] 2020-12-18 (PCT/IB2020/062224)
[87] (WO2021/124277)
[30] US (62/951,239) 2019-12-20

[21] **3,160,523**
[13] A1
[51] **Int.Cl. F16L 55/10 (2006.01)**
[25] EN
[54] **PIPE ISOLATION DEVICE WITH SEAL**
[54] **DISPOSITIF D'ISOLATION DE CONDUITE A JOINT D'ETANCHEITE**
[72] GRESH, BRIAN MICHAEL, US
[72] ALDREN, DAVID BENJAMIN, US
[71] TEAM INDUSTRIAL SERVICES, INC., US
[85] 2022-06-02
[86] 2020-12-16 (PCT/US2020/065221)
[87] (WO2021/126913)
[30] US (62/949,089) 2019-12-17

[21] **3,160,525**
[13] A1
[51] **Int.Cl. G01B 9/02 (2022.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING THE POSITION OF AN ELEMENT OF AN OPTICAL SYSTEM IN AN ASSEMBLY FOR PROCESSING OR MEASURING AN OBJECT, AS WELL AS THE POSITION OF SAID OBJECT RELATIVE TO SAID ASSEMBLY, BY PARALLEL INTERFEROMETRIC MEASUREMENTS**
[54] **PROCEDE ET SYSTEME DE DETERMINATION DE LA POSITION D'UN ELEMENT D'UN SYSTEME OPTIQUE DANS UN ENSEMBLE DE TRAITEMENT OU DE MESURE D'UN OBJET, AINSI QUE DE LA POSITION DUDIT OBJET PAR RAPPORT AUDIT ENSEMBLE, PAR DES MESURES INTERFEROMETRIQUES PARALLELE**
[72] DONADELLO, SIMONE, IT
[72] PREVITALI, BARBARA, IT
[72] COLOMBO, DANIELE, IT
[71] ADIGE S.P.A., IT
[85] 2022-06-02
[86] 2020-12-04 (PCT/IB2020/061513)
[87] (WO2021/111399)
[30] IT (102019000023229) 2019-12-06

[21] **3,160,534**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **EGFR INHIBITORS**
[54] **INHIBITEURS D'EGFR**
[72] JAESCHKE, GEORG, CH
[72] KUHN, BERND, CH
[72] NAGEL, YVONNE ALICE, CH
[72] RICCI, ANTONIO, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-06-02
[86] 2020-12-18 (PCT/EP2020/086914)
[87] (WO2021/123084)
[30] EP (19218403.4) 2019-12-20

[21] **3,160,535**
[13] A1
[51] **Int.Cl. G01N 21/64 (2006.01) A61B 5/1486 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR OPERATING A BIOSENSOR AND ARRANGEMENT FOR DETERMINING THE GLUCOSE CONTENT IN BLOOD**
[54]
[72] MULLER, RALF, DE
[72] MULLER, ACHIM, DE
[72] KRIVANEK, ROLAND, DE
[71] EYESENSE GMBH, DE
[85] 2022-06-02
[86] 2020-12-04 (PCT/EP2020/084747)
[87] (WO2021/110977)
[30] DE (10 2019 133 365.2) 2019-12-06

[21] **3,160,538**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/30 (2012.01) B65G 1/133 (2006.01)**
[25] EN
[54] **IMPROVED ASSET LOADING SYSTEM**
[54] **SYSTEME DE CHARGEMENT D'ACTIFS AMELIORE**
[72] GIL, JULIO, NL
[72] RAMSAGER, THOMAS, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2022-06-02
[86] 2020-10-27 (PCT/US2020/057480)
[87] (WO2021/137924)
[30] US (16/731,312) 2019-12-31

[21] **3,160,540**
[13] A1
[51] **Int.Cl. C12P 7/50 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PRODUCING ETHYLENE FROM RECOMBINANT MICROORGANISMS**
[54] **METHODES ET COMPOSITIONS DE PRODUCTION D'ETHYLENE A PARTIR DE MICROORGANISMES RECOMBINANTS**
[72] KARIMI, TAHEREH, US
[72] NGUYEN, TRUONG HUU, US
[72] CUEVA, MIGUEL EUGENIO, US
[71] CEMVITA FACTORY, INC., US
[85] 2022-06-02
[86] 2020-12-02 (PCT/US2020/062938)
[87] (WO2021/113396)
[30] US (62/942,895) 2019-12-03

[21] **3,160,551**
[13] A1
[51] **Int.Cl. G06Q 20/28 (2012.01) G06Q 20/02 (2012.01) G06Q 20/40 (2012.01) G06Q 20/42 (2012.01)**
[25] EN
[54] **DYNAMIC GIFT CARD SYSTEM**
[54] **SYSTEME DE CARTE-CADEAU DYNAMIQUE**
[72] SKEEN, JEFFREY, US
[72] CAMPBELL, ERIC, US
[72] PAOLINO, GINA M., US
[71] SKEEN, JEFFREY, US
[71] CAMPBELL, ERIC, US
[71] PAOLINO, GINA M., US
[85] 2022-06-02
[86] 2020-12-04 (PCT/US2020/063366)
[87] (WO2021/113675)
[30] US (62/944,249) 2019-12-05

[21] **3,160,733**
[13] A1
[51] **Int.Cl. F16L 27/02 (2006.01) F16L 27/08 (2006.01)**
[25] EN
[54] **MULTIPART PIPE JOINT**
[54] **RACCORD DE TUYAU A PLUSIEURS PARTIES**
[72] EITZENBERGER, BERTHOLD, DE
[71] PFW AEROSPACE GMBH, DE
[85] 2022-06-03
[86] 2020-12-04 (PCT/EP2020/084753)
[87] (WO2021/110982)
[30] DE (10 2019 008 446.2) 2019-12-05

[21] **3,160,860**
[13] A1
[51] **Int.Cl. C10M 107/28 (2006.01) C08F 220/18 (2006.01) C10M 145/14 (2006.01)**
[25] EN
[54] **HIGH VISCOSITY POLYACRYLATE BASE FLUIDS**
[54] **FLUIDES DE BASE DE POLYACRYLATE A VISCOSITE ELEVEE**
[72] XIAO, QI, CN
[72] MAIER, STEFAN KARL, DE
[72] NEUSIUS, MICHAEL, DE
[72] FEDOR, GABRIELA, DE
[72] HILF, STEFAN, DE
[72] MAEHLING, FRANK-OLAF, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2022-06-06
[86] 2019-12-12 (PCT/CN2019/124923)
[87] (WO2021/114187)

[21] **3,161,228**
[13] A1
[51] **Int.Cl. B66F 5/04 (2006.01)**
[25] EN
[54] **TELESCOPING JACK FOR LIFTING LARGE CAPACITY TRUCKS**
[54] **CRIC TELESCOPIQUE PERMETTANT DE LEVER DES CAMIONS DE GRANDE CAPACITE**
[72] DESORMEAU, WAYNE, CA
[72] WEAVER, JEFF, CA
[72] MATHIEU, GUY, CA
[71] NORDIC MINESTEEL TECHNOLOGIES INC., CA
[85] 2022-06-08
[86] 2020-11-30 (PCT/CA2020/000128)
[87] (WO2021/127773)
[30] US (16/725,991) 2019-12-23

[21] **3,161,556**
[13] A1
[51] **Int.Cl. A61M 16/06 (2006.01)**
[25] EN
[54] **PATIENT INTERFACE WITH FOAM CUSHION**
[54] **INTERFACE PATIENT AVEC COUSSIN EN MOUSSE**
[72] YEW, ROBIN, SG
[72] SEET, LIK TZE, SG
[72] BATE, ANDREW JAMES, AU
[72] LAW, KAM MAN, AU
[71] RESMED ASIA PTE. LTD., SG
[85] 2022-06-10
[86] 2019-12-20 (PCT/IB2019/061217)
[87] (WO2021/123897)

[21] **3,161,892**
[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **COMBINATIONS OF ESTROGEN RECEPTOR DEGRADERS AND CYCLIN-DEPENDENT KINASE INHIBITORS FOR TREATING CANCER**
[54] **ASSOCIATIONS D'AGENTS DE DEGRADATION DU RECEPTEUR D'?STROGENES ET D'INHIBITEURS DE KINASE DEPENDANTE DE CYCLINES POUR LE TRAITEMENT DU CANCER**
[72] FAN, JIE, US
[72] QIAN, YIMIN, US
[72] HE, WEI, US
[71] ACCUTAR BIOTECHNOLOGY, INC., US
[85] 2022-06-14
[86] 2020-12-23 (PCT/US2020/066798)
[87] (WO2021/133886)
[30] US (62/952,695) 2019-12-23

[21] **3,162,611**
[13] A1
[51] **Int.Cl. C07F 15/02 (2006.01) A61K 49/10 (2006.01)**
[25] EN
[54] **IRON COMPLEXES AND SALTS THEREOF AS CONTRAST AGENTS FOR MRI**
[54] **COMPLEXES DE FER ET SELS DE CEUX-CI UTILISES EN TANT QU'AGENTS DE CONTRASTE POUR IRM**
[72] CAVALLOTTI, CAMILLA, IT
[71] BRACCO IMAGING S.P.A., IT
[85] 2022-06-21
[86] 2021-01-19 (PCT/IB2021/050380)
[87] (WO2021/148939)
[30] IT (102020000000922) 2020-01-20

[21] **3,162,852**
[13] A1
[51] **Int.Cl. H02K 3/48 (2006.01) H02K 5/04 (2006.01) H02K 11/00 (2016.01) H05K 3/34 (2006.01)**
[25] EN
[54] **CIRCUIT BOARD FOR STATOR WINDINGS HAVING INTEGRAL SECURING STRUCTURES**
[54] **CARTE DE CIRCUIT IMPRIME POUR ENROULEMENTS DE STATOR AYANT DES STRUCTURES DE FIXATION INTEGREES**
[72] MITTEER, DAVID MICHAEL, US
[72] VECELLIO, BRADLEY JOHN, US
[71] GHSP, INC., US
[85] 2022-06-22
[86] 2020-12-10 (PCT/IB2020/061783)
[87] (WO2021/140381)
[30] US (62/959,459) 2020-01-10

[21] **3,162,968**
[13] A1
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/007 (2012.01) E21B 47/017 (2012.01) E21B 47/07 (2012.01) E21B 44/00 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EMBEDMENT OF INSTRUMENTATION IN DOWNHOLE COMPONENTS**
[54] **SYSTEMES ET PROCEDES D'INCORPORATION D'INSTRUMENTATION DANS DES COMPOSANTS DE FOND DE TROU**
[72] PRILL, JONATHAN RYAN, CA
[72] MORAWEJ, NASIM, CA
[72] NOOR, NOUMAN AHMED, CA
[71] SENTIENT TOOLS ENGINEERING CORPORATION, CA
[85] 2022-06-23
[86] 2021-01-15 (PCT/CA2021/000003)
[87] (WO2021/142530)
[30] US (62/961,649) 2020-01-15
[30] US (63/028,937) 2020-05-22

[21] **3,163,045**
[13] A1
[51] **Int.Cl. B22C 1/16 (2006.01) B28B 1/00 (2006.01) B28B 1/14 (2006.01) C04B 14/06 (2006.01)**
[25] EN
[54] **CASTING ELEMENTS AND METHODS OF MAKING THE SAME USING LOW TEMPERATURE SOLIDIFICATION**
[54] **ELEMENTS DE COULEE ET LEURS PROCEDES DE FABRICATION A L'AIDE D'UNE SOLIDIFICATION A BASSE TEMPERATURE**
[72] RIMAN, RICHARD E., US
[72] BLINN, KEVIN, US
[71] RUTGER, THE STATE UNIVERSITY OF NEW JERSEY, US
[85] 2022-06-24
[86] 2020-12-24 (PCT/US2020/067035)
[87] (WO2021/134025)
[30] US (62/953,360) 2019-12-24

[21] **3,163,390**
[13] A1
[51] **Int.Cl. A44C 27/00 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **METHOD OF EMBEDDING A TRACKING DEVICE IN A JEWEL AND TRACKING METHOD THEREFOR**
[54] **PROCEDE D'INCORPORATION D'UN DISPOSITIF DE SUIVI DANS UN BIJOU ET PROCEDE DE SUIVI ASSOCIE**
[72] LENTTAN, AVEL, IT
[71] INSPIREDRING S.R.L., IT
[85] 2022-06-29
[86] 2020-12-29 (PCT/IB2020/062512)
[87] (WO2021/137150)
[30] IT (102019000025825) 2019-12-31

[21] **3,163,805**
[13] A1
[51] **Int.Cl. C12N 7/01 (2006.01) A61K 35/768 (2015.01) C07K 14/07 (2006.01) C12N 7/00 (2006.01) C12N 15/39 (2006.01) C12N 15/863 (2006.01)**
[25] EN
[54] **VARIANT ONCOLYTIC VACCINIA VIRUS AND METHODS OF USE THEREOF**
[54] **VIRUS DE LA VACCINE ONCOLYTIQUE A VARIANTS ET SES METHODES D'UTILISATION**
[72] ABBADESSA, DARIN MICHAEL, US
[72] MARURI AVIDAL, LILIANA, US
[72] GULIZIA, NATHANIEL PHILLIP, US
[72] KIRN, DAVID H., US
[72] KOTTERMAN, MELISSA A., US
[72] SLABY, TODD BRANDON, US
[71] IGNITE IMMUNOTHERAPY, INC., US
[85] 2022-06-06
[86] 2020-12-09 (PCT/IB2020/061707)
[87] (WO2021/116943)
[30] US (62/947,200) 2019-12-12
[30] US (62/947,202) 2019-12-12
[30] US (62/947,204) 2019-12-12

[21] **3,165,746**
[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) G16H 50/50 (2018.01) A61B 5/318 (2021.01) A61B 5/02 (2006.01) A61B 5/0295 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SIGNAL QUALITY ASSESSMENT AND REJECTION USING HEART CYCLE VARIABILITY**
[54] **PROCEDE ET SYSTEME DE REJET ET D'EVALUATION DE LA QUALITE DU SIGNAL FAISANT APPEL A LA VARIABILITE DU CYCLE CARDIAQUE**
[72] GARRETT, MICHAEL, US
[72] RAMCHANDANI, SHYAMLAL, CA
[72] RAMCHANDANI, SHYAMLAL, CA
[72] DOOMRA, ABHINAV, CA
[72] FATHIEH, FARHAD, CA
[72] PAAK, MEHDI, CA
[72] BURTON, TIMOTHY WILLIAM FAWCETT, CA
[71] ANALYTICS FOR LIFE INC., CA
[85] 2022-06-22
[86] 2020-12-23 (PCT/IB2020/062416)
[87] (WO2021/130709)
[30] US (62/953,175) 2019-12-23

[21] **3,166,550**
[13] A1
[51] **Int.Cl. A47C 4/04 (2006.01) A47B 3/14 (2006.01) A47B 39/08 (2006.01) A47C 4/12 (2006.01) A47C 4/52 (2006.01) A47C 5/10 (2006.01)**
[25] EN
[54] **LIGHTWEIGHT COLLAPSIBLE STOOL**
[54] **TABOURET LEGER ET PLIABLE**
[72] RIEHM-CONSTANTINO, MERRY, US
[72] REDING, ALEXANDER, US
[72] SMITH, ROBERT W., JR., US
[71] SMITH, ROBERT W., JR., US
[85] 2022-07-29
[86] 2020-12-21 (PCT/US2020/066408)
[87] (WO2021/138120)
[30] US (62/954,832) 2019-12-30

[21] **3,166,963**
[13] A1
[51] **Int.Cl. A61K 38/18 (2006.01) A61K 9/00 (2006.01) A61P 25/28 (2006.01) C07K 14/475 (2006.01)**
[25] EN
[54] **NEURAL REGENERATION WITH SYNTHETIC PROTEIN ADMINISTRATION**
[54] **REGENERATION NEURONALE AVEC ADMINISTRATION DE PROTEINES SYNTHETIQUES**
[72] DRENSER, KIMBERLY, US
[72] TRESE, MICHAEL T., US
[72] CAPONE, ANTONIO, US
[71] RETINAL SOLUTIONS, LLC, US
[85] 2022-08-03
[86] 2021-01-11 (PCT/US2021/012895)
[87] (WO2021/142410)
[30] US (62/958,925) 2020-01-09

[21] **3,166,972**
[13] A1
[51] **Int.Cl. A01G 9/02 (2018.01)**
[25] EN
[54] **RESILIENT PLANT CONTAINER FORMED FROM PLIABLE MATERIALS**
[54] **RECIPIENT DE PLANTE RESISTANT COMPOSE DE MATERIAUX PLIABLES**
[72] SPOMER, IAN, US
[71] SPOMER, IAN, US
[85] 2022-08-03
[86] 2020-01-31 (PCT/US2020/016116)
[87] (WO2020/163168)
[30] US (62/800,802) 2019-02-04

[21] **3,167,039**
[13] A1
[51] **Int.Cl. A42B 3/04 (2006.01) A42B 3/28 (2006.01) B29C 45/00 (2006.01) G08B 21/18 (2006.01)**
[25] EN
[54] **SAFETY HELMET**
[54] **CASQUE DE SECURITE**
[72] HORT, CELESTE L., US
[72] GOODSPEED, MICHAEL, US
[72] KETTERER, KEVIN R., US
[72] MENDENHALL, JEFFERSON S., US
[72] MILLER, MATTHEW C., US
[72] TOMLINSON, JAMES R., US
[71] MSA TECHNOLOGY, LLC, US
[85] 2022-07-06
[86] 2021-01-13 (PCT/US2021/013196)
[87] (WO2021/146253)
[30] US (62/960,415) 2020-01-13
[30] US (17/146,711) 2021-01-12

[21] **3,167,046**
[13] A1
[51] **Int.Cl. C08G 73/02 (2006.01) G03G 5/05 (2006.01)**
[25] EN
[54] **COVALENT ORGANIC FRAMEWORKS**
[54] **CHARPENTES ORGANIQUES COVALENTES**
[72] YAGHI, OMAR M., US
[72] LYLE, STEVEN J., US
[72] HANIKEL, NIKITA, US
[72] LYU, HAO, US
[72] XU, WENTAO, US
[72] NGUYEN, HA L., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-07-06
[86] 2021-01-11 (PCT/US2021/013010)
[87] (WO2021/142474)
[30] US (62/959,972) 2020-01-11
[30] US (63/023,107) 2020-05-11
[30] US (63/028,523) 2020-05-21

[21] **3,167,048**
[13] A1
[51] **Int.Cl. C04B 40/02 (2006.01) C07K 14/00 (2006.01) C07K 14/46 (2006.01) C07K 14/47 (2006.01) C12N 15/72 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **DISCOVERY AND EVOLUTION OF BIOLOGICALLY ACTIVE METABOLITES**
[54] **DECOUVERTE ET EVOLUTION DE METABOLITES BIOLOGIQUEMENT ACTIFS**
[72] FOX, JEROME, US
[72] SARKAR, ANKUR, US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
[85] 2022-07-06
[86] 2021-01-08 (PCT/US2021/012621)
[87] (WO2021/142207)
[30] US (62/958,368) 2020-01-08

[21] **3,167,050**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/427 (2006.01) A61K 31/4418 (2006.01) A61K 31/5377 (2006.01) A61K 45/06 (2006.01) A61P 25/00 (2006.01) A61P 25/26 (2006.01)**
[25] EN
[54] **A METHOD FOR ENHANCING THE PHARMACOKINETICS OR INCREASING THE PLASMA CONCENTRATION OF METHYL 3-((METHYLSULFONYL)AMINO)-2-(((4-PHENYLCYCLOHEXYL)OXY)METHYL)PIPERIDINE-1-CARBOXYLATE OR A SALT THEREOF WITH AN INHIBITOR OF CYTOCHROME P450**
[54] **PROCEDE POUR AMELIORER LA PHARMACOCINETIQUE OU AUGMENTER LA CONCENTRATION PLASMATIQUE EN 3-((METHYLSULFONYL)AMINO)-2-(((4-PHENYLCYCLOHEXYL)OXY)METHYL)PIPERIDINE-1-CARBOXYLATE DE M ETHYLE OU UN SEL DE CELUI-CI AVEC UN INHIBITEUR DU CYTOCHROME P450**
[72] ROGGE, MARK, US
[72] FAESSEL, HELENE, US
[72] LU, HONG, US
[72] VENKATAKRISHNAN, KARTHIK, US
[72] ZHANG, LIMING, US
[72] WAGNER, JOHN, US
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2022-07-06
[86] 2021-01-07 (PCT/US2021/012447)
[87] (WO2021/142083)
[30] US (62/959,514) 2020-01-10

[21] **3,167,066**
[13] A1
[51] **Int.Cl. A23L 7/109 (2016.01) A23P 30/20 (2016.01)**
[25] EN
[54] **PRODUCTION METHOD FOR NOODLES**
[54] **PROCEDE DE PRODUCTION DE NOUILLES**
[72] NABESHIMA, TAKUMA, JP
[72] KOMABAYASHI, GENKI, JP
[72] WATANABE, TAKENORI, JP
[72] KUSHIRO, KANAKO, JP
[71] NISSHIN SEIFUN WELNA INC., JP
[85] 2022-07-06
[86] 2021-01-29 (PCT/JP2021/003140)
[87] (WO2021/153707)
[30] JP (2020-013992) 2020-01-30

[21] **3,167,101**
[13] A1
[51] **Int.Cl. H01M 10/052 (2010.01) H01M 10/0562 (2010.01) C01B 25/14 (2006.01) C01B 33/06 (2006.01) H01B 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING SULFIDE SOLID ELECTROLYTE INCLUDING SN**
[54] **PROCEDE DE PRODUCTION D'ELECTROLYTE SOLIDE AU SULFURE INCLUANT DU SN**
[72] ITO TOMOHIRO, JP
[71] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP
[85] 2022-07-06
[86] 2021-01-06 (PCT/JP2021/000182)
[87] (WO2021/145248)
[30] JP (2020-005850) 2020-01-17

[21] **3,167,103**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06K 19/06 (2006.01)**
[25] EN
[54] **COSMETIC PROVIDING SYSTEM**
[54] **SYSTEME DE FOURNITURE DE PRODUIT COSMETIQUE**
[72] KIM, HYUNG KYU, KR
[72] JANG, KYUNG SIK, KR
[72] LEE, JUNG YONG, KR
[72] KIM, KYUNG WON, KR
[72] LEE, JEONG HO, KR
[71] LG HOUSEHOLD & HEALTH CARE LTD., KR
[85] 2022-07-06
[86] 2020-04-22 (PCT/KR2020/005277)
[87] (WO2021/194004)
[30] KR (10-2020-0037839) 2020-03-27

[21] **3,167,104**
[13] A1
[51] **Int.Cl. C10L 5/44 (2006.01) B01D 3/14 (2006.01) B01D 5/00 (2006.01) C07D 307/50 (2006.01) D21B 1/36 (2006.01)**
[25] EN
[54] **RECOVERY OF ENERGY AND CHEMICALS FROM A STEAM EXPLOSION PROCESS**
[54] **RECUPERATION D'ENERGIE ET DE PRODUITS CHIMIQUES EMANANT D'UN VAPOCRAQUAGE**
[72] BJORKLUND, PETER, SE
[71] VALMET AB, SE
[85] 2022-07-06
[86] 2021-01-25 (PCT/SE2021/050039)
[87] (WO2021/167511)
[30] SE (2050186-2) 2020-02-20

[21] **3,167,106**
[13] A1
[51] **Int.Cl. A61K 36/28 (2006.01) A61K 36/752 (2006.01) A61P 1/16 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **PLANT EXTRACT COMPOSITION FOR THE TREATMENT OF CARDIOVASCULAR AND METABOLIC DISEASES**
[54] **COMPOSITION D'EXTRAIT DE PLANTE POUR LE TRAITEMENT DE MALADIES CARDIOVASCULAIRES ET METABOLIQUES**
[72] GELFI, ELENA, IT
[72] ZANARDI, ANDREA, IT
[72] GASPARRI, FRANCO, IT
[71] MEDA PHARMA S.P.A., IT
[85] 2022-07-07
[86] 2021-01-15 (PCT/EP2021/050853)
[87] (WO2021/144447)
[30] GB (2000619.3) 2020-01-15

[21] **3,167,112**
[13] A1
[51] **Int.Cl. C12Q 1/6876 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6834 (2018.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **COMPOSITIONS, KITS AND METHODS FOR ISOLATING TARGET POLYNUCLEOTIDES**
[54] **COMPOSITIONS, KITS ET PROCEDES D'ISOLATION DE POLYNUCLEOTIDES CIBLES**
[72] NELSON, NORM, GB
[72] WOOLDRIDGE, DAVID, GB
[71] DNAE DIAGNOSTICS LIMITED, GB
[85] 2022-07-07
[86] 2021-01-15 (PCT/GB2021/050098)
[87] (WO2021/144587)
[30] GB (2000672.2) 2020-01-16
[30] GB (2000673.0) 2020-01-16
[30] US (62/961,816) 2020-01-16

[21] **3,167,138**
[13] A1
[51] **Int.Cl. B62D 29/04 (2006.01) B29C 70/32 (2006.01) B61D 17/00 (2006.01)**
[25] EN
[54] **COMPOSITE MATERIAL VEHICLE BODY AND COMPOSITE MATERIAL LAYING STRUCTURE AND LAYING METHOD**
[54] **CORPS DE VEHICULE EN MATERIAU COMPOSITE, STRUCTURE DE POSE DE MATERIAU COMPOSITE ET PROCEDE DE POSE**
[72] DING, SANSAN, CN
[72] XIAO, PENG, CN
[72] GAO, YULONG, CN
[72] ZHAO, HONGWEI, CN
[72] WU, PEIPEI, CN
[71] CRRC QINGDAO SIFANG CO., LTD., CN
[85] 2022-06-28
[86] 2020-05-14 (PCT/CN2020/090174)
[87] (WO2021/135034)
[30] CN (202010001475.8) 2020-01-02

[21] **3,167,139**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61P 25/00 (2006.01) A61P 27/02 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **PEPTIDE COMPOUNDS AND METHODS OF TREATING DISEASES USING SAME**
[54] **COMPOSES PEPTIDIQUES ET METHODES DE TRAITEMENT DE MALADIES FAISANT APPEL A CEUX-CI**
[72] OVADIA, ERAN, IL
[72] BEN-SHIMON, AVI, IL
[72] COHEN, ILANA, IL
[71] IMMUNITY PHARMA LTD., IL
[85] 2022-07-06
[86] 2021-01-14 (PCT/IL2021/050044)
[87] (WO2021/144798)
[30] IL (272074) 2020-01-15

[21] **3,167,141**
[13] A1
[51] **Int.Cl. G05B 15/02 (2006.01) G06F 1/26 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **MESH NETWORK CONNECTION QUALITY**
[54] **QUALITE DE CONNEXION DE RESEAU MAILLE**
[72] LUCAS, AUSTIN, US
[72] LONAEUS, GUSTAF NICOLAUS MAXWELL, US
[72] JOHNSON, KYLE RANKIN, US
[72] FEINSTEIN, ADAM, US
[71] ALARM.COM INCORPORATED, US
[85] 2022-07-06
[86] 2021-01-06 (PCT/US2021/012292)
[87] (WO2021/141978)
[30] US (62/957,488) 2020-01-06

[21] **3,167,142**
[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **DATA PROCESSING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE DONNEES**
[72] YU, JIAN, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-07-07
[86] 2020-12-28 (PCT/CN2020/140439)
[87] (WO2021/139558)
[30] CN (202010019316.0) 2020-01-08

[21] **3,167,145**
[13] A1
[51] **Int.Cl. B65D 19/00 (2006.01) B60P 1/28 (2006.01)**
[25] EN
[54] **A PALLET BOX ASSEMBLY**
[54] **ENSEMBLE BOX PALETTE**
[72] WYLIE, ROSS, US
[72] LIZOTTE-LATENDRESSE, SIMON, US
[72] ISAKSSON, ANDERS, SE
[72] CISZEWSKI, MICHAL, PL
[72] DONOHUE, BILL, US
[71] SSAB WEAR SOLUTIONS LLC, US
[71] SSAB TECHNOLOGY AB, SE
[85] 2022-07-07
[86] 2021-01-22 (PCT/EP2021/051520)
[87] (WO2021/148647)
[30] US (62/964,759) 2020-01-23

[21] **3,167,147**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 34/06 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **DOWNHOLE FRACTURING TOOL ASSEMBLY**
[54] **ENSEMBLE OUTIL DE FRACTURATION DE FOND DE TROU**
[72] FRIPP, MICHAEL LINLEY, US
[72] ORNELAZ, RICHARD DECENA, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-07-07
[86] 2020-02-28 (PCT/US2020/020324)
[87] (WO2021/173149)

[21] **3,167,148**
[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01)**
[25] EN
[54] **ALKYLATED NUCLEOSIDES, AND COMPOSITIONS AND METHODS THEREOF FOR NUCLEIC ACID DELIVERY**
[54] **NUCLEOSIDES ALKYLES, COMPOSITIONS ET PROCEDES ASSOCIES POUR L'ADMINISTRATION D'ACIDES NUCLEIQUES**
[72] UNGER, EVAN C., US
[72] MEUILLET, EMMANUELLE J., US
[72] ACOSTA, MARIA F., US
[72] HANRAHAN, DILLON, US
[71] MICROVASCULAR THERAPEUTICS, LLC, US
[85] 2022-07-07
[86] 2021-01-07 (PCT/US2021/012412)
[87] (WO2021/142059)
[30] US (62/958,328) 2020-01-08

[21] **3,167,149**
[13] A1
[51] **Int.Cl. B41J 2/21 (2006.01) B42D 15/00 (2006.01) G01D 11/00 (2006.01)**
[25] EN
[54] **SPECIALIZED INKSETS AND ALTERNATIVE FLUIDS AND RELATED SYSTEMS**
[54] **ENSEMBLES D'ENCRES SPECIALISES AINSI QUE FLUIDES ALTERNATIFS ET SYSTEMES ASSOCIES**
[72] SONNTAG, RICHARD C., US
[72] BUDNEY, PETER A., US
[72] NAAS, JAMES C., US
[72] SHAY, TIMOTHY W., US
[72] QUINN, ROBERT J., US
[71] BRADY WORLDWIDE, INC., US
[85] 2022-07-07
[86] 2021-01-07 (PCT/US2021/012520)
[87] (WO2021/142135)
[30] US (62/958,519) 2020-01-08

[21] **3,167,150**
[13] A1
[51] **Int.Cl. A01N 25/02 (2006.01) A01N 25/04 (2006.01) A01N 37/02 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOSITIONS INCLUDING DRIFT RETARDANT AGENTS AND METHODS OF MAKING THE SAME**
[54] **COMPOSITIONS HERBICIDES COMPRENANT DES AGENTS RETARDATEURS DE DERIVE ET LEURS PROCEDES DE FABRICATION**
[72] GAO, JINGSI, US
[72] MACINNES, ALISON, US
[72] MORGENSTERN, DAVID, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2022-07-07
[86] 2021-01-08 (PCT/US2021/012741)
[87] (WO2021/142295)
[30] US (62/959,429) 2020-01-10

[21] **3,167,152**
[13] A1
[51] **Int.Cl. E04G 17/04 (2006.01) E04G 9/02 (2006.01) E04G 9/04 (2006.01) E04G 9/05 (2006.01) E04G 9/06 (2006.01) E04G 9/10 (2006.01) E04G 11/10 (2006.01)**
[25] EN
[54] **FORMWORK PANEL ELEMENT AND FORMWORK SYSTEM**
[54] **ELEMENT DE COFFRAGE DE CADRE ET SYSTEME DE COFFRAGE**
[72] SCHNEIDER, WERNER, DE
[72] STAUDENRAUSCH, GUENTHER, DE
[71] PERI SE, DE
[85] 2022-07-07
[86] 2020-12-30 (PCT/EP2020/088024)
[87] (WO2021/144138)
[30] DE (20 2020 100 159.0) 2020-01-13

[21] **3,167,153**
[13] A1
[51] **Int.Cl. A61B 5/1455 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **NEAR-FIELD COMMUNICATION SECURITY FOR MEDICAL DEVICE AND SHEATH**
[54] **SECURITE DE COMMUNICATION EN CHAMP PROCHE POUR DISPOSITIF MEDICAL ET GAINE**
[72] HOHL, DAVID KEITH, US
[72] WIARD, RICHARD MATTHEW, US
[72] WANG, SARAH YI, US
[71] VIOPTIX, INC., US
[85] 2022-07-07
[86] 2021-01-11 (PCT/US2021/012995)
[87] (WO2021/142461)
[30] US (62/959,757) 2020-01-10

[21] **3,167,154**
[13] A1
[51] **Int.Cl. A61B 5/1455 (2006.01) A61B 5/00 (2006.01) A61B 5/145 (2006.01) G02B 6/24 (2006.01) G02B 6/38 (2006.01)**
[25] EN
[54] **PROBE TIP FOR MEDICAL DEVICE**
[54] **EMBOUT DE SONDE POUR DISPOSITIF MEDICAL**
[72] BECHTEL, KATE LEEANN, US
[72] MARGIOTT, ALEX MICHAEL, US
[72] KEATING, JENNIFER ELIZABETH, US
[72] SHULTZ, KIMBERLY MERRITT, US
[71] VIOPTIX, INC., US
[85] 2022-07-07
[86] 2021-01-11 (PCT/US2021/013000)
[87] (WO2021/142466)
[30] US (62/959,787) 2020-01-10

[21] **3,167,156**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE WITH STABILITY MEASUREMENT REPORTING**
[54] **DISPOSITIF MEDICAL AVEC RAPPORT DE MESURE DE STABILITE**
[72] MARGIOTT, ALEX MICHAEL, US
[72] SWEER, JORDAN, US
[72] BECHTEL, KATE LEE ANN, US
[71] VIOPTIX, INC., US
[85] 2022-07-07
[86] 2021-01-11 (PCT/US2021/013005)
[87] (WO2021/142469)
[30] US (62/959,808) 2020-01-10

[21] **3,167,158**
[13] A1
[51] **Int.Cl. A61B 5/1455 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **MEASUREMENT AVERAGING IN A MEDICAL DEVICE**
[54] **REALISATION DE MOYENNES DE MESURE DANS UN DISPOSITIF MEDICAL**
[72] MARGIOTT, ALEX MICHAEL, US
[72] WELCH, WILLIAM, US
[72] POTDAR, SUSHANT, US
[71] VIOPTIX, INC., US
[85] 2022-07-07
[86] 2021-01-11 (PCT/US2021/013006)
[87] (WO2021/142470)
[30] US (62/959,795) 2020-01-10
[30] US (62/959,808) 2020-01-10

[21] **3,167,159**
[13] A1
[51] **Int.Cl. A61M 1/14 (2006.01) A61M 1/34 (2006.01) A61M 1/36 (2006.01) A61M 5/165 (2006.01)**
[25] EN
[54] **ARTERIAL CHAMBERS FOR HEMODIALYSIS AND RELATED SYSTEMS AND TUBING SETS**
[54] **CHAMBRES ARTERIELLES POUR HEMODIALYSE ET SYSTEMES ET ENSEMBLES TUBULURES ASSOCIES**
[72] GOMEZ, IRVING UZIEL HERNANDEZ, US
[72] JUAREZ, JUAN ARTURO MONTECILLO, MX
[72] DEL REAL PENA, DIEGO SUAREZ, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-07-07
[86] 2021-01-14 (PCT/US2021/013357)
[87] (WO2021/150415)
[30] US (16/747,771) 2020-01-21

[21] **3,167,163**
[13] A1
[51] **Int.Cl. C09J 197/02 (2006.01) C08H 8/00 (2010.01) C08L 97/02 (2006.01)**
[25] EN
[54] **LIGNIN-BASED PHENOLIC ADHESIVES, RELATED COMPOSITIONS, AND RELATED METHODS**
[54] **ADHESIFS PHENOLIQUES A BASE DE LIGNINE, COMPOSITIONS ASSOCIEES ET PROCEDES ASSOCIES**
[72] NEJAD, MOJGAN, US
[72] BELL, SASHA, US
[72] SIAHKAMARI, MOHSEN, US
[71] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
[85] 2022-07-07
[86] 2021-01-22 (PCT/US2021/014568)
[87] (WO2021/150864)
[30] US (62/964,897) 2020-01-23

[21] **3,167,166**
[13] A1
[51] **Int.Cl. A61K 31/501 (2006.01) A61P 35/00 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **SMARCA2-VHL DEGRADERS**
[54] **AGENTS DE DEGRADATION INTELLIGENTS DE CA2-VHL**
[72] BANERJEE, ABHISEK, US
[72] CEE, VICTOR J., US
[72] CHEN, NING, US
[72] LI, XIAOFEN, US
[72] WURZ, RYAN PAUL, US
[71] AMGEN INC., US
[85] 2022-07-07
[86] 2021-01-08 (PCT/US2021/012683)
[87] (WO2021/142247)
[30] US (62/959,502) 2020-01-10

[21] **3,167,168**
[13] A1
[51] **Int.Cl. A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01N 37/02 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOSITIONS INCLUDING DRIFT RETARDANT AGENTS AND METHODS OF MAKING THE SAME**
[54] **COMPOSITIONS HERBICIDSE COMPRENANT DES AGENTS RETARDATEURS DE DERIVE ET LEURS PROCEDES DE PREPARATION**
[72] GAO, JINGSI, US
[72] JIMOH, GANIYU, US
[72] MACINNES, ALISON, US
[72] MORGENSTERN, DAVID, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2022-07-07
[86] 2021-01-08 (PCT/US2021/012747)
[87] (WO2021/142301)
[30] US (62/959,389) 2020-01-10

[21] **3,167,170**
[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A61K 9/50 (2006.01) A61K 9/51 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/14 (2017.01) A61P 25/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING CANNABINOID-CONTAINING PARTICLES**
[54] **PROCEDE DE PREPARATION DE PARTICULES CONTENANT DES CANNABINOIDES**
[72] DE BRUIJN, ROBIN, NL
[71] STABICAN B.V., NL
[85] 2022-07-07
[86] 2021-01-08 (PCT/NL2021/050011)
[87] (WO2021/141494)
[30] NL (2024652) 2020-01-10

[21] **3,167,215**
[13] A1
[51] **Int.Cl. G06F 7/499 (2006.01)**
[25] EN
[54] **RELIABLE SUPERVISED MACHINE LEARNING USING INTERVAL ARITHMETIC**
[54] **APPRENTISSAGE AUTOMATIQUE SUPERVISE FIABLE UTILISANT UNE ARITHMETIQUE D'INTERVALLE**
[72] HAYES, NATHAN, US
[71] MODAL TECHNOLOGY CORPORATION, US
[85] 2022-07-07
[86] 2021-01-11 (PCT/US2021/012951)
[87] (WO2021/142440)
[30] US (62/958,959) 2020-01-09

[21] **3,167,217**
[13] A1
[51] **Int.Cl. A61K 38/18 (2006.01) A61K 38/25 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **SUSTAINED RELEASE DRUG DELIVERY SYSTEMS WITH REDUCED IMPURITIES AND RELATED METHODS**
[54] **SYSTEMES D'ADMINISTRATION DE MEDICAMENT A LIBERATION PROLONGEE AVEC IMPURETES REDUITES ET PROCEDES ASSOCIES**
[72] MIKSZTAL, ANDREW R., US
[72] JOICE, JUDY, US
[72] AUTIO, SUSAN, US
[72] DAVIS, MARK P., US
[71] DURECT CORPORATION, US
[85] 2022-07-07
[86] 2021-01-12 (PCT/US2021/013132)
[87] (WO2021/146215)
[30] US (62/960,565) 2020-01-13

[21] **3,167,220**
[13] A1
[51] **Int.Cl. G02B 30/33 (2020.01) G02B 5/00 (2006.01) G02B 5/12 (2006.01) G02B 5/18 (2006.01) G02B 27/42 (2006.01) G02F 1/01 (2006.01) G02F 1/13357 (2006.01)**
[25] EN
[54] **MULTI-USER MULTIVIEW DISPLAY, SYSTEM, AND METHOD**
[54] **DISPOSITIF D'AFFICHAGE, SYSTEME ET PROCEDE MULTI-UTILISATEURS MULTIVUES**
[72] FATTAL, DAVID A., US
[71] LEIA INC., US
[85] 2022-07-07
[86] 2021-01-18 (PCT/US2021/013835)
[87] (WO2021/150461)
[30] US (62/963,493) 2020-01-20

[21] **3,167,226**
[13] A1
[51] **Int.Cl. G02F 1/01 (2006.01) G02B 30/33 (2020.01) G02B 5/02 (2006.01) G02B 5/12 (2006.01) G02B 27/42 (2006.01) G02F 1/13357 (2006.01)**
[25] EN
[54] **MICRO-SLIT SCATTERING ELEMENT-BASED BACKLIGHT, MULTIVIEW DISPLAY, AND METHOD PROVDING LIGHT EXCLUSION ZONE**
[54] **RETROECLAIRAGE A BASE D'ELEMENT DE DIFFUSION A MICRO-FENTE, AFFICHAGE A VUES MULTIPLES ET PROCEDE DE REALISATION D'UNE ZONE D'EXCLUSION DE LUMIERE**
[72] FATTAL, DAVID A., US
[72] HOEKMAN, THOMAS, US
[72] BUKOWSKY, COLTON, US
[72] MA, MING, US
[71] LEIA INC., US
[85] 2022-07-07
[86] 2021-01-18 (PCT/US2021/013836)
[87] (WO2021/150462)
[30] US (62/963,499) 2020-01-20

[21] **3,167,232**
[13] A1
[51] **Int.Cl. F16B 21/04 (2006.01) F16B 1/00 (2006.01) F16B 7/20 (2006.01) F16B 21/02 (2006.01) F16B 21/09 (2006.01) F16B 21/12 (2006.01)**
[25] EN
[54] **ADVANCED ROTATING TENSION LATCH**
[54] **VERROU DE TENSION ROTATIF AVANCE**
[72] OLIVER, JAVIER E., US
[71] OLIVER, JAVIER E., US
[85] 2022-07-07
[86] 2021-01-27 (PCT/US2021/015318)
[87] (WO2021/154875)
[30] US (62/966,403) 2020-01-27
[30] US (63/024,680) 2020-05-14
[30] US (63/039,084) 2020-06-15

[21] **3,167,236**
[13] A1
[51] **Int.Cl. A61K 31/435 (2006.01) A61K 41/00 (2020.01) A61P 9/00 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **METHODS FOR MATURING AN ARTERIOVENOUS FISTULA**
[54] **PROCEDES DE MATURATION D'UNE FISTULE ARTERIO-VEINEUSE**
[72] KAUSER, KATALIN, US
[71] ALUCENT BIOMEDICAL, INC., US
[85] 2022-07-07
[86] 2021-01-28 (PCT/US2021/015439)
[87] (WO2021/154958)
[30] US (62/967,465) 2020-01-29

[21] **3,167,238**
[13] A1
[51] **Int.Cl. A01N 43/78 (2006.01) A01N 37/40 (2006.01) A01N 43/12 (2006.01) A01N 43/22 (2006.01) A01N 43/36 (2006.01) A01N 43/40 (2006.01) A01N 43/56 (2006.01) A01N 43/80 (2006.01) A01N 43/90 (2006.01) A01N 47/06 (2006.01) A01N 47/24 (2006.01) A01N 47/40 (2006.01) A01N 51/00 (2006.01) A01N 53/06 (2006.01) A01N 53/08 (2006.01) A01N 57/28 (2006.01) A01P 5/00 (2006.01) A01P 7/00 (2006.01) A01P 9/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS HAVING PESTICIDAL UTILITY AND PROCESSES RELATED THERETO**
[54] **COMPOSITIONS AYANT UNE UTILITE PESTICIDE ET PROCEDES ASSOCIES**
[72] GARIZI, NEGAR V., US
[72] WESSELS, FRANK J., US
[71] CORTEVA AGRISCIENCE LLC, US
[85] 2022-07-07
[86] 2021-02-01 (PCT/US2021/015986)
[87] (WO2021/158455)
[30] US (62/969,829) 2020-02-04
[30] US (63/090,467) 2020-10-12
[30] US (63/134,734) 2021-01-07

[21] **3,167,260**
[13] A1
[51] **Int.Cl. H01R 13/6464 (2011.01) H01R 13/6477 (2011.01) H01R 13/03 (2006.01) H01R 13/523 (2006.01) H01R 24/84 (2011.01) H01R 24/86 (2011.01) H01R 13/08 (2006.01) H01R 13/24 (2006.01) H01R 13/28 (2006.01) H01R 13/622 (2006.01)**
[25] EN
[54] **SIGNAL CONNECTOR SYSTEM**
[54] **SYSTEME DE CONNECTEUR DE SIGNAL**
[72] HACK, HARVEY PAUL, US
[72] WINDGASSEN, JAMES RICHARD, US
[72] JOHANNS, KEITH J, US
[72] WHEELER, CARRIE ELIZABETH, US
[72] PATTERSON, TIMOTHY GERARD, US
[72] CZYZ, ROBERT ANTHONY, US
[72] CZYZ, ANTHONY S, US
[72] TURK, JOSEPH FRANK, US
[71] NORTHRUP GRUMMAN SYSTEMS CORPORATION, US
[85] 2022-07-07
[86] 2021-02-02 (PCT/US2021/016236)
[87] (WO2021/178089)
[30] US (16/806,575) 2020-03-02

[21] **3,167,261**
[13] A1
[51] **Int.Cl. C09K 5/04 (2006.01) C07C 17/25 (2006.01) C07C 21/18 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING 2,3,3,3 TETRAFLUOROPROPENE AND METHODS FOR MAKING AND USING THE COMPOSITIONS**
[54] **COMPOSITIONS COMPRENANT DU 2,3,3,3-TETRAFLUOROPROPENE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] SUN, XUEHUI, US
[72] KRAUSE, KARL ROBERT, US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2022-07-07
[86] 2021-02-05 (PCT/US2021/016693)
[87] (WO2021/158837)
[30] US (62/971,347) 2020-02-07

[21] **3,167,262**
[13] A1
[51] **Int.Cl. C12N 5/10 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **INTRA-GENOMIC HOMOLOGOUS RECOMBINATION**
[54] **RECOMBINAISON HOMOLOGUE INTRAGENOMIQUE**
[72] ANAND, AJITH, US
[72] ARLING, MAREN L, US
[72] BARONE, PIERLUIGI, US
[72] CHO, HYEON-JE, US
[72] GORDON-KAMM, WILLIAM JAMES, US
[72] KUMAR, SANDEEP, US
[72] LENDERTS, BRIAN, US
[72] LOWE, KEITH S, US
[72] SVITASHEV, SERGEI, US
[72] WU, XINLI EMILY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2022-07-07
[86] 2021-02-22 (PCT/US2021/019011)
[87] (WO2021/173480)
[30] US (62/980,769) 2020-02-24

[21] **3,167,263**
[13] A1
[51] **Int.Cl. H04L 12/18 (2006.01) G06Q 10/10 (2012.01) H04L 51/56 (2022.01) H04L 67/141 (2022.01) H04L 67/306 (2022.01)**
[25] EN
[54] **IDENTIFYING AN APPLICATION FOR COMMUNICATING WITH ONE OR MORE INDIVIDUALS**
[54] **IDENTIFICATION D'APPLICATION POUR COMMUNIQUER AVEC UN OU PLUSIEURS INDIVIDUS**
[72] DHANABALAN, PRAVEEN RAJA, IN
[72] MAGAZINE, ANUJ, IN
[72] ATHLUR, ANUDEEP, IN
[71] CITRIX SYSTEMS, INC., US
[85] 2022-07-07
[86] 2021-03-03 (PCT/US2021/020609)
[87] (WO2021/202040)
[30] IN (202011014521) 2020-04-01
[30] US (16/879,246) 2020-05-20

[21] **3,167,270**
[13] A1
[51] **Int.Cl. H01L 27/115 (2017.01) A61B 5/00 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE AND SHEATH SEAL AND SEAL VERIFICATION**
[54] **DISPOSITIF MEDICAL ET FERMETURE D'ETUI ET VERIFICATION DE FERMETURE**
[72] KMAK, STEPHEN MATTHEW, US
[72] MOSLEY, ROBERT JAMES, US
[72] HOHL, DAVID KEITH, US
[72] OUBURG, WILLEM-JAN, US
[72] SAUDER, TIMOTHY LEE, US
[72] BALDWIN, ALAN, US
[71] VIOPTIX, INC., US
[85] 2022-07-07
[86] 2021-01-11 (PCT/US2021/012999)
[87] (WO2021/142465)
[30] US (62/959,778) 2020-01-10

[21] **3,167,272**
[13] A1
[51] **Int.Cl. C07K 16/30 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07H 15/00 (2006.01)**
[25] EN
[54] **CELL SURFACE RECEPTOR BINDING COMPOUNDS AND CONJUGATES**
[54] **COMPOSES ET CONJUGUES DE LIAISON AU RECEPTEUR DE SURFACE CELLULAIRE**
[72] BUSCH, BRETT BRADLEY, US
[72] ERNST, JUSTIN THOMAS, US
[72] PACKARD, GARRICK K., US
[72] LEWIS, JASON G., US
[72] TURTLE, ERIC D., US
[71] LYCIA THERAPEUTICS, INC., US
[85] 2022-07-07
[86] 2021-01-08 (PCT/US2021/012846)
[87] (WO2021/142377)
[30] US (62/959,862) 2020-01-10
[30] US (62/959,877) 2020-01-10
[30] US (62/959,882) 2020-01-10
[30] US (63/043,752) 2020-06-24
[30] US (63/043,754) 2020-06-24
[30] US (63/043,749) 2020-06-24

[21] **3,167,273**
[13] A1
[51] **Int.Cl. A61K 47/40 (2006.01) A61K 31/04 (2006.01) A61K 31/724 (2006.01) A61K 49/18 (2006.01) A61P 3/00 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 13/12 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) A61P 43/00 (2006.01) C07C 203/04 (2006.01)**
[25] EN
[54] **STABILIZATION OF COMPOUNDS AS CYCLODEXTRIN COMPLEXES**
[54] **STABILISATION DE COMPOSES TELS QUE DES COMPLEXES DE CYCLODEXTRINE**
[72] FREEMAN, BRUCE A., US
[72] SCHOPFER, FRANCISCO J., US
[72] SALVATORE, SONIA R., US
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[85] 2022-07-07
[86] 2021-03-15 (PCT/US2021/022395)
[87] (WO2021/188448)
[30] US (62/992,036) 2020-03-19

[21] **3,167,275**
[13] A1
[51] **Int.Cl. A61K 31/444 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **COMPOUNDS AND USES THEREOF**
[54] **COMPOSES ET LEURS UTILISATIONS**
[72] VASWANI, RISHI G., US
[72] HUANG, DAVID S., US
[71] FOGHORN THERAPEUTICS INC., US
[85] 2022-07-11
[86] 2021-01-29 (PCT/US2021/015876)
[87] (WO2021/155262)
[30] US (62/967,359) 2020-01-29

[21] **3,167,277**
[13] A1
[51] **Int.Cl. B65D 1/02 (2006.01)**
[25] EN
[54] **TRANSPARENT BOTTLES INCLUDING FACETED SIDE WALLS**
[54] **BOUTEILLES TRANSPARENTES COMPRENANT DES PAROIS LATERALES A FACETTES**
[72] VAN SKAIK, ELLIOTT MICHAEL, US
[72] MACLAM, DENNIS LEE, US
[72] PERAZA, LUIS, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-07-07
[86] 2021-01-12 (PCT/US2021/070020)
[87] (WO2021/146745)
[30] US (62/960,170) 2020-01-13

[21] **3,167,278**
[13] A1
[51] **Int.Cl. A41D 13/00 (2006.01) D04B 1/12 (2006.01) D04B 1/18 (2006.01) D04B 1/22 (2006.01) D04B 21/14 (2006.01)**
[25] EN
[54] **KNITTED QUILT FABRIC AND COMPRESSION GARMENTS MADE THEREFROM**
[54] **TISSU MATELASSE TRICOTE ET VETEMENTS DE COMPRESSION FABRIQUES A PARTIR DE CELUI-CI**
[72] HERNANDEZ, ISRAEL, US
[71] ICT CORPORATION, US
[85] 2022-06-15
[86] 2020-11-23 (PCT/US2020/061797)
[87] (WO2021/126480)
[30] US (62/948,649) 2019-12-16

[21] **3,167,281**
[13] A1
[51] **Int.Cl. G06F 7/04 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND MEDIA FOR ANTI-SPOOFING USING EYE-TRACKING**
[54] **PROCEDES, SYSTEMES ET SUPPORTS ANTI-MYSTIFICATION UTILISANT LE SUIVI OCULAIRE**
[72] LV, FENGJUN, US
[72] GOYAL, DUSHYANT, US
[72] WANG, YANG, US
[71] ELEMENT INC., US
[85] 2022-06-15
[86] 2020-12-15 (PCT/US2020/065070)
[87] (WO2021/126825)
[30] US (62/948,699) 2019-12-16

[21] **3,167,282**
[13] A1
[51] **Int.Cl. G01F 19/00 (2006.01)**
[25] EN
[54] **DOSING CUPS AND MEDICINAL FLUID DELIVERY SYSTEMS**
[54] **COUPELLES DE DOSAGE ET SYSTEMES D'ADMINISTRATION DE FLUIDE MEDICAL**
[72] REICHLING, TIMOTHY DAVID, US
[72] VAN SKAIK, ELLIOTT MICHAEL, US
[72] VILLALONGO ANDINO, GERMARA, US
[72] REGO, JOHN, US
[72] DICKESS, LEONARD, US
[72] PHILHOWER, SCOTT, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-07-07
[86] 2021-01-12 (PCT/US2021/070021)
[87] (WO2021/146746)
[30] US (62/960,168) 2020-01-13

[21] **3,167,283**
[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **AHR INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS D'AHR ET LEURS UTILISATIONS**
[72] SANCHEZ-MARTIN, MARTA, US
[72] WANG, LEI, US
[72] ZHANG, XIAOYAN MICHELLE, US
[71] IKENA ONCOLOGY, INC., US
[85] 2022-07-08
[86] 2021-01-08 (PCT/US2021/012571)
[87] (WO2021/142180)
[30] US (62/959,246) 2020-01-10
[30] US (63/128,465) 2020-12-21

[21] **3,167,285**
[13] A1
[51] **Int.Cl. A61K 33/24 (2019.01) A61K 33/241 (2019.01) A61K 33/244 (2019.01) A61K 33/245 (2019.01) A61K 33/30 (2006.01)**
[25] EN
[54] **SUSTAINED IMMUNOTHERAPY**
[54] **IMMUNOTHERAPIE A ACTION PROLONGEE**
[72] BURAK, ERIC STEVEN, CA
[72] METCALF, JULIE, CA
[72] GRINSHTEIN, NATALIE, CA
[72] HU, MEIDUO, CA
[72] VALLIANT, JOHN FITZMAURICE, CA
[72] PATEL, SONAL, CA
[71] FUSION PHARMACEUTICALS INC., CA
[85] 2022-07-08
[86] 2021-01-08 (PCT/US2021/012656)
[87] (WO2021/142231)
[30] US (62/959,879) 2020-01-10
[30] US (63/037,520) 2020-06-10

[21] **3,167,286**
[13] A1
[51] **Int.Cl. G01N 33/38 (2006.01) G06Q 50/08 (2012.01) G01N 17/04 (2006.01)**
[25] EN
[54] **A SYSTEM FOR MONITORING AT LEAST ONE PROPERTY OF CONCRETE IN REAL TIME**
[54] **SYSTEME DE SURVEILLANCE EN TEMPS REEL D'AU MOINS UNE PROPRIETE DE BETON**
[72] GORDI, DMITRY, G., US
[71] GORDI, DMITRY, G., US
[85] 2022-07-11
[86] 2021-01-22 (PCT/US2021/014711)
[87] (WO2021/150957)
[30] US (62/964,535) 2020-01-22

[21] **3,167,288**
[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 31/7105 (2006.01) C12N 15/88 (2006.01)**
[25] EN
[54] **METHODS OF MAKING TOLEROGENIC DENDRITIC CELLS**
[54] **PROCEDES DE PREPARATION DE CELLULES DENDRITIQUES TOLEROGENIQUES**
[72] HUANG, ERIC YI-CHUN, US
[72] TSE, SZE-WAH, US
[72] DE PICCIOTTO, SEYMOUR, US
[71] MODERNATX, INC., US
[85] 2022-07-08
[86] 2021-01-08 (PCT/US2021/012725)
[87] (WO2021/142280)
[30] US (62/959,739) 2020-01-10
[30] US (63/009,600) 2020-04-14

[21] **3,167,289**
[13] A1
[51] **Int.Cl. G01N 1/30 (2006.01) G01N 33/53 (2006.01) G01N 33/574 (2006.01) G06K 9/00 (2022.01) G06T 7/00 (2017.01)**
[25] EN
[54] **OPTICAL BIOPSY STAIN PANELS AND METHODS OF USE**
[54] **PANELS DE COLORATION DE BIOPSIE OPTIQUE ET PROCEDES D'UTILISATION**
[72] LARSON, MICHAEL C., US
[72] UTZINGER, URS, US
[72] HENNEMEYER, CHARLES T., US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[85] 2022-07-11
[86] 2021-01-12 (PCT/US2021/013097)
[87] (WO2021/146201)
[30] US (62/960,444) 2020-01-13

[21] **3,167,290**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DELIVERY OF IMMUNOTHERAPY AGENTS ACROSS THE BLOOD-BRAIN BARRIER TO TREAT BRAIN CANCER**
[54] **PROCEDES ET COMPOSITIONS POUR L'ADMINISTRATION D'AGENTS D'IMMUNOTHERAPIE A TRAVERS LA BARRIERE HEMATO-ENCEPHALIQUE POUR TRAITER LE CANCER DU CERVEAU**
[72] BEI, FENGFENG, US
[72] CHIOCCA, E. ANTONIO, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2022-07-08
[86] 2021-01-08 (PCT/US2021/012746)
[87] (WO2021/142300)
[30] US (62/959,625) 2020-01-10

[21] **3,167,292**
[13] A1
[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/405 (2006.01) A61K 31/4196 (2006.01)**
[25] EN
[54] **INHIBITORS OF MICROBIALLY INDUCED AMYLOID**
[54] **INHIBITEURS D'AMYLOIDE INDUITE PAR VOIE MICROBIENNE**
[72] CAMPBELL, ANTHONY STEWART, US
[72] OALMANN, CHRISTOPHER J., US
[72] YAMASHITA, DENNIS S., US
[71] AXIAL THERAPEUTICS, INC., US
[85] 2022-07-08
[86] 2021-01-08 (PCT/US2021/012792)
[87] (WO2021/142333)
[30] US (62/959,385) 2020-01-10

[21] **3,167,295**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/024 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **WEARABLE DEVICE WITH PHYSIOLOGICAL PARAMETERS MONITORING**
[54] **DISPOSITIF PORTATIF AVEC SURVEILLANCE DE PARAMETRE PHYSIOLOGIQUE**
[72] AL-ALI, AMMAR, US
[72] SCRUGGS, STEPHEN, US
[72] PRIDDELL, RICHARD, US
[72] DEJONG, CHAD, US
[71] MASIMO CORPORATION, US
[85] 2022-07-10
[86] 2021-01-13 (PCT/US2021/013299)
[87] (WO2021/146333)
[30] US (62/960,610) 2020-01-13
[30] US (62/984,243) 2020-03-02
[30] US (63/023,156) 2020-05-11

[21] **3,167,303**
[13] A1
[51] **Int.Cl. F28F 27/02 (2006.01) F16K 1/38 (2006.01) F16K 11/04 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR**
[72] O'NEILL, IAN, GB
[71] CITECH ENERGY RECOVERY SYSTEM MALAYSIA SDN BHD, MY
[85] 2022-07-07
[86] 2021-01-08 (PCT/MY2021/000001)
[87] (WO2021/141484)
[30] MY (PI 2020000188) 2020-01-10

[21] **3,167,305**
[13] A1
[51] **Int.Cl. C08F 20/10 (2006.01) C08G 18/42 (2006.01) C08G 18/76 (2006.01)**
[25] EN
[54] **POLYESTER-URETHANE COMPOSITIONS USEFUL FOR PRODUCING ULTRAVIOLET LIGHT RESISTANT COATINGS**
[54] **COMPOSITIONS DE POLYESTER-URETHANE UTILES POUR PRODUIRE DES REVETEMENTS RESISTANT A LA LUMIERE ULTRAVIOLETTE**
[72] KIM, KYU-JUN, US
[71] ARKEMA INC., US
[85] 2022-07-07
[86] 2021-01-06 (PCT/US2021/012296)
[87] (WO2021/146083)
[30] US (62/960,738) 2020-01-14

[21] **3,167,307**
[13] A1
[51] **Int.Cl. F04D 13/12 (2006.01) F04D 13/02 (2006.01) F04D 13/08 (2006.01) F04D 25/02 (2006.01) F04D 25/16 (2006.01) F04D 29/18 (2006.01) F16D 11/16 (2006.01)**
[25] EN
[54] **FLUID VACUUM PUMP**
[54] **POMPE A VIDE A FLUIDE**
[72] ERLICH, GUY, US
[72] ELLIOTT, CURTIS, US
[72] LORYS, THOMAS, US
[72] SETHI, KUNWAR, US
[72] CAMISI, DANIEL, US
[72] MORALES, TIMOTHY, US
[71] WATER TECH, LLC, US
[85] 2022-07-07
[86] 2021-01-08 (PCT/US2021/012687)
[87] (WO2021/142250)
[30] US (62/958,434) 2020-01-08

[21] **3,167,308**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR AUTOIMMUNITY REGULATION**
[54] **COMPOSITIONS ET METHODES DE REGULATION D'AUTO-IMMUNITE**
[72] GETTS, DANIEL, US
[72] HOFMEISTER, ROBERT, US
[72] BAEUERLE, PATRICK ALEXANDER, US
[72] GUTIERREZ, DARIO, US
[72] GILMORE, DANA, US
[71] TCR2 THERAPEUTICS INC., US
[85] 2022-07-07
[86] 2021-01-08 (PCT/US2021/012748)
[87] (WO2021/142302)
[30] US (62/959,794) 2020-01-10
[30] US (63/094,590) 2020-10-21

[21] **3,167,322**
[13] A1
[51] **Int.Cl. B60L 7/00 (2006.01) G01N 1/28 (2006.01) H05B 1/02 (2006.01)**
[25] EN
[54] **CRYOBAG THAWING METHODS**
[54] **PROCEDES DE DECONGELATION DE SAC CRYOGENIQUE**
[72] BRAUNSTEIN, RYAN, US
[72] SCHRYVER, BRIAN, US
[71] BIOLIFE SOLUTIONS INC., US
[85] 2022-07-11
[86] 2021-01-16 (PCT/US2021/013777)
[87] (WO2021/146660)
[30] US (62/962,733) 2020-01-17

[21] **3,167,324**
[13] A1
[51] **Int.Cl. A61K 9/48 (2006.01)**
[25] EN
[54] **SWALLOWABLE DEVICES FOR DRUG DELIVERY IN AN INTESTINAL TRACT**
[54] **DISPOSITIFS AVALABLES POUR L'ADMINISTRATION DE MEDICAMENT DANS UN TRACTUS INTESTINAL**
[72] IMRAN, MIR A., US
[71] RANI THERAPEUTICS, LLC, US
[85] 2022-07-11
[86] 2021-01-13 (PCT/US2021/013256)
[87] (WO2021/146296)
[30] US (62/960,977) 2020-01-14

[21] **3,167,331**
[13] A1
[51] **Int.Cl. C07J 13/00 (2006.01) C07J 31/00 (2006.01) C07J 41/00 (2006.01)**
[25] EN
[54] **NEUROACTIVE STEROIDS AND PHARMACEUTICAL COMPOSITION CONTAINING THE SAME**
[54] **STEROIDES NEUROACTIFS ET COMPOSITION PHARMACEUTIQUE LES CONTENANT**
[72] XU, LIANHONG, US
[72] ZHAO, GUILING, US
[71] BRII BIOSCIENCES, INC., US
[85] 2022-07-11
[86] 2021-01-12 (PCT/US2021/013112)
[87] (WO2021/142477)
[30] US (62/959,977) 2020-01-12

[21] **3,167,334**
[13] A1
[51] **Int.Cl. G06F 9/00 (2006.01)**
[25] EN
[54] **ZERO PACKET LOSS UPGRADE OF AN IO DEVICE**
[54] **MISE A NIVEAU SANS PERTE DE PAQUETS D'UN DISPOSITIF IO**
[72] RATHORE, ALOK, US
[72] DODDAPANENI, KRISHNA, US
[72] KAMISETTY, SARAT BABU, US
[72] HALDER, BARUN, US
[72] RAMACHANDRAN, HAREESH, US
[71] PENSANDO SYSTEMS INC., US
[85] 2022-07-07
[86] 2021-01-14 (PCT/US2021/013489)
[87] (WO2021/146463)
[30] US (16/742,631) 2020-01-14

[21] **3,167,336**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 7/10 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **PLASMA KALLIKREIN INHIBITORS AND USES THEREOF FOR TREATING PEDIATRIC HEREDITARY ANGIOEDEMA ATTACK**
[54] **INHIBITEURS DE LA KALLICREINE PLASMATIQUE ET LEURS UTILISATIONS POUR TRAITER UNE CRISE D'ANGIO-□DEME HEREDITAIRE PEDIATRIQUE**
[72] NURSE, CHRISTINA, US
[72] HAO, XINMING, US
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2022-07-11
[86] 2021-01-12 (PCT/US2021/013035)
[87] (WO2021/146160)
[30] US (62/960,333) 2020-01-13

[21] **3,167,337**
[13] A1
[51] **Int.Cl. A01H 1/00 (2006.01) A01H 1/04 (2006.01) A61K 38/46 (2006.01) C12N 9/22 (2006.01) C12N 15/82 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **CAS-MEDIATED HOMOLOGY DIRECTED REPAIR IN SOMATIC PLANT TISSUE**
[54] **REPARATION DIRIGEE PAR HOMOLOGIE MEDIEE PAR CAS DANS UN TISSU VEGETAL SOMATIQUE**
[72] GORDON-KAMM, WILLIAM JAMES, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2022-07-07
[86] 2021-02-08 (PCT/US2021/017031)
[87] (WO2021/162970)
[30] US (62/975,595) 2020-02-12

[21] **3,167,338**
[13] A1
[51] **Int.Cl. C08F 220/56 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **RE-CROSSLINKABLE PARTICLE FOR CONFORMANCE CONTROL AND TEMPORARY PLUGGING**
[54] **PARTICULE RE-RETICULABLE POUR CONTROLE DE CONFORMITE ET OBTURATION TEMPORAIRE**
[72] LONG, YIFU, US
[72] YU, BOWEN, US
[72] BAI, BAOJUN, US
[72] SCHUMAN, THOMAS, US
[71] THE CURATORS OF THE UNIVERSITY OF MISSOURI, US
[85] 2022-07-08
[86] 2020-01-10 (PCT/US2020/013094)
[87] (WO2021/141598)

[21] **3,167,339**
[13] A1
[51] **Int.Cl. A61K 31/4162 (2006.01) A61P 3/00 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED PYRAZOLO-PYRIMIDINES AND USES THEREOF**
[54] **PYRAZOLO-PYRIMIDINES SUBSTITUEES ET LEURS UTILISATIONS**
[72] ROSEN, MARK D., US
[72] GALEMMO, JR., ROBERT A., US
[72] LIANG, WEILING, US
[72] RHODES, JANE, US
[72] KOPEC, BRIAN, US
[72] CHOI, IRENE Y., US
[71] VERGE ANALYTICS, INC., US
[85] 2022-07-11
[86] 2021-01-12 (PCT/US2021/013077)
[87] (WO2021/146192)
[30] US (62/960,412) 2020-01-13
[30] US (63/074,388) 2020-09-03

[21] **3,167,340**
[13] A1
[51] **Int.Cl. H04N 21/426 (2011.01) H04N 21/442 (2011.01) H04N 5/50 (2006.01) H04N 17/02 (2006.01)**
[25] EN
[54] **SERVICE SWITCHING FOR CONTENT OUTPUT**
[54] **COMMUTATION DE SERVICE POUR SORTIE DE CONTENU**
[72] NAGARATHNAM, YUVARAJ, IN
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-07-08
[86] 2020-12-18 (PCT/US2020/065841)
[87] (WO2021/141752)
[30] US (62/958,491) 2020-01-08

[21] **3,167,370**
[13] A1
[51] **Int.Cl. B60P 3/10 (2006.01) B60P 1/52 (2006.01)**
[25] EN
[54] **ENCLOSED BOAT TRAILER**
[54] **REMORQUE A BATEAU FERMEE**
[72] PRUSS, JAMES E., US
[72] PRUSS, MATTHEW J., US
[71] SHIELD BOAT TRAILERS, LLC, US
[85] 2022-07-11
[86] 2021-01-25 (PCT/US2021/014956)
[87] (WO2021/151092)
[30] US (62/965,135) 2020-01-23
[30] US (63/055,105) 2020-07-22
[30] US (63/113,705) 2020-11-13

[21] **3,167,371**
[13] A1
[51] **Int.Cl. G06F 21/00 (2013.01) G06Q 10/06 (2012.01) G06F 21/78 (2013.01) G06F 21/80 (2013.01)**
[25] EN
[54] **FRAUD DETECTION BASED ON GEOLOCATION DATA**
[54] **DETECTION DE FRAUDE BASEE SUR DES DONNEES DE GEOLOCALISATION**
[72] LIPPERT, KEITH ALAN, US
[71] ALLSTATE INSURANCE COMPANY, US
[85] 2022-07-08
[86] 2021-01-05 (PCT/US2021/012180)
[87] (WO2021/141894)
[30] US (16/738,032) 2020-01-09

[21] **3,167,372**
[13] A1
[51] **Int.Cl. B62D 63/06 (2006.01)**
[25] FR
[54] **TRANSPORT TRAILER COMPRISING A SYSTEM FOR TILTING AND RIGHTING ITS DECK**
[54] **REMORQUE DE TRANSPORT COMPRENANT UN SYSTEME D'INCLINAISON ET DE REDRESSEMENT DE SON PLATEAU**
[72] COCHET, LUDOVIC, FR
[71] COCHET, FR
[85] 2022-07-08
[86] 2021-01-07 (PCT/FR2021/050017)
[87] (WO2021/140299)
[30] FR (FR2000132) 2020-01-08

[21] **3,167,373**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOUNDS AND CONJUGATES THEREOF**
[54] **COMPOSES ET CONJUGUES DE CEUX-CI**
[72] YOU, FEI, US
[72] DICKINSON, NIALL, GB
[72] HOWARD, PHILIP WILSON, GB
[71] MEDIMMUNE LIMITED, GB
[85] 2022-07-08
[86] 2021-01-21 (PCT/EP2021/051263)
[87] (WO2021/148501)
[30] US (62/964,180) 2020-01-22
[30] US (63/085,414) 2020-09-30

[21] **3,167,374**
[13] A1
[51] **Int.Cl. F03D 3/04 (2006.01) F03D 9/45 (2016.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR HARNESSING ENERGY FROM WIND**
[54] **SYSTEMES ET PROCEDES DE CAPTAGE D'ENERGIE A PARTIR DU VENT**
[72] PHILIMIS, PANAYIOTIS, CY
[72] CHARALAMBOUS, VARNIS, CY
[72] KOULOUMIS, DIMITRIOS, CY
[72] GEORGIOU, HARRY, CY
[72] RAFTIS, NICOS, CY
[72] HADJIYIANNIS, STAVROS, CY
[71] INTROFOC LTD, CY
[85] 2022-07-08
[86] 2021-01-11 (PCT/EP2021/050357)
[87] (WO2021/140243)

[21] **3,167,375**
[13] A1
[51] **Int.Cl. G06F 1/18 (2006.01)**
[25] EN
[54] **COMPUTING DEVICE**
[54] **DISPOSITIF INFORMATIQUE**
[72] ZHANG, SHAOHUA, CN
[72] ZHANG, NANGENG, CN
[71] CANAAN CREATIVE CO., LTD., CN
[85] 2022-07-08
[86] 2021-05-21 (PCT/CN2021/095102)
[87] (WO2021/233410)
[30] CN (202020887315.3) 2020-05-22
[30] CN (202020886918.1) 2020-05-22

[21] **3,167,376**
[13] A1
[51] **Int.Cl. B64C 27/50 (2006.01) B63H 1/22 (2006.01) B64C 11/28 (2006.01) B64C 39/02 (2006.01)**
[25] EN
[54] **A FOLDABLE PROPELLER ASSEMBLY**
[54] **ENSEMBLE D'HELICE PLIABLE**
[72] BLAKSTAD, SVEIN EVEN, NO
[71] GRIFF AVIATION AS, NO
[85] 2022-07-08
[86] 2021-01-08 (PCT/NO2021/050004)
[87] (WO2021/141498)
[30] NO (20200031) 2020-01-10

[21] **3,167,377**
[13] A1
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 21/62 (2013.01) G06F 16/23 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DIGITAL ASSET SECURITY**
[54] **SYSTEMES ET PROCEDES POUR LA SECURITE DES ACTIFS NUMERIQUES**
[72] MCLAUGHLIN, PATRICK, CA
[71] BRANE CAPITAL, CA
[85] 2022-07-11
[86] 2021-01-13 (PCT/CA2021/050030)
[87] (WO2021/142541)
[30] US (62/960,654) 2020-01-13

[21] **3,167,378**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 9/72 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61P 11/08 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION OF TRICYCLIC PDE3/PDE4 DUAL INHIBITOR COMPOUND**
[54] **COMPOSITION PHARMACEUTIQUE DE COMPOSE INHIBITEUR DOUBLE DE PDE3/PDE4 TRICYCLIQUE**
[72] YANG, MIAO, CN
[72] SUN, YUANYUAN, CN
[72] LI, WANJING, CN
[72] XU, ZHONG, CN
[72] BAO, PENGYUE, CN
[72] GAO, JING, CN
[72] DONG, PING, CN
[72] HUI, HUI, CN
[72] JI, XIONGFENG, CN
[72] LUO, YUNFU, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD, CN
[85] 2022-07-11
[86] 2021-01-15 (PCT/CN2021/072145)
[87] (WO2021/143841)
[30] CN (202010042865.X) 2020-01-15

[21] **3,167,379**
[13] A1
[51] **Int.Cl. C12M 1/12 (2006.01) C12M 1/00 (2006.01) C12M 1/04 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01) C12M 3/06 (2006.01)**
[25] EN
[54] **CELL CULTURE BIOREACTOR WITH ZONE CONTROL**
[54] **BIOREACTEUR DE CULTURE CELLULAIRE AVEC CONTROLE DE ZONE**
[72] KILPATRICK, SHANE ALEXANDER JAQUES, CA
[72] PUNDSACK, SCOTT RAYMOND, CA
[72] PUNDSACK, ANDREW MICHAEL, CA
[71] MEMBIO INC., CA
[85] 2022-07-11
[86] 2021-02-04 (PCT/CA2021/050124)
[87] (WO2021/155469)
[30] US (62/970,305) 2020-02-05
[30] US (63/002,504) 2020-03-31

[21] **3,167,380**
[13] A1
[51] **Int.Cl. C12N 15/33 (2006.01) A61K 31/7088 (2006.01) A61K 39/00 (2006.01) A61K 39/12 (2006.01) A61K 39/215 (2006.01) A61P 31/14 (2006.01) A61P 35/00 (2006.01) C07K 14/005 (2006.01) C07K 14/165 (2006.01) C12N 15/10 (2006.01) C12N 15/50 (2006.01) C12N 15/67 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **MODIFIED MRNAS FOR VACCINE DEVELOPMENT**
[54] **ARNM MODIFIES POUR LE DEVELOPPEMENT DE VACCINS**
[72] FRISCHMUTH, THOMAS, DE
[71] BASECLICK GMBH, DE
[85] 2022-07-11
[86] 2021-03-19 (PCT/EP2021/057083)
[87] (WO2021/186028)
[30] EP (20164276.6) 2020-03-19
[30] EP (20194571.4) 2020-09-04

[21] **3,167,381**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61P 11/08 (2006.01)**
[25] EN
[54] **CRYSTAL OF PDE3/PDE4 DUAL INHIBITOR AND USE THEREOF**
[54] **CRISTAL D'INHIBITEUR DOUBLE DE PDE3/PDE4 ET SON UTILISATION**
[72] YAO, WENJUN, CN
[72] LUO, YUNFU, CN
[72] ZHANG, PENG, CN
[72] YAO, TING, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD, CN
[85] 2022-07-11
[86] 2021-01-15 (PCT/CN2021/072151)
[87] (WO2021/143843)
[30] CN (202010043882.5) 2020-01-15

[21] **3,167,383**
[13] A1
[51] **Int.Cl. B01J 8/04 (2006.01) C07C 29/152 (2006.01) C07C 31/04 (2006.01)**
[25] EN
[54] **PROCESS AND REACTION SYSTEM FOR THE PREPARATION OF METHANOL**
[54] **PROCESSUS ET SYSTEME DE REACTION POUR LA PREPARATION DE METHANOL**
[72] TJARNEHOV, EMIL ANDREAS, SE
[71] TOPSOE A/S, DK
[85] 2022-07-11
[86] 2021-02-01 (PCT/EP2021/052262)
[87] (WO2021/156179)
[30] DK (PA 2020 00146) 2020-02-05

[21] **3,167,385**
[13] A1
[51] **Int.Cl. B65F 5/00 (2006.01) B65G 53/24 (2006.01) B65G 53/52 (2006.01) B65G 53/60 (2006.01)**
[25] EN
[54] **METHOD FOR CONVEYING MATERIAL IN A PNEUMATIC MATERIAL CONVEYING SYSTEM, AND PNEUMATIC MATERIAL CONVEYING SYSTEM**
[54] **PROCEDE DE TRANSPORT DE MATERIAU DANS UN SYSTEME DE TRANSPORT DE MATERIAU PNEUMATIQUE ET SYSTEME DE TRANSPORT DE MATERIAU PNEUMATIQUE**
[72] SUNDHOLM, GORAN, FI
[71] MARICAP OY, FI
[85] 2022-07-11
[86] 2020-11-16 (PCT/FI2020/050763)
[87] (WO2021/144497)
[30] FI (20205032) 2020-01-14

[21] **3,167,387**
[13] A1
[51] **Int.Cl. H01M 8/0247 (2016.01) H01M 8/0276 (2016.01) H01M 8/0286 (2016.01) H01M 8/2483 (2016.01) C25B 9/65 (2021.01) C25B 9/70 (2021.01) H01M 8/1246 (2016.01) C25B 13/07 (2021.01)**
[25] EN
[54] **SOC STACK COMPRISING INTEGRATED INTERCONNECT AND SPACER**
[54] **EMPILEMENT DE PILES A OXYDE SOLIDE COMPRENANT UNE INTERCONNEXION ET UNE ENTRETOISE INTEGREES**
[72] HEIREDAL-CLAUSEN, THOMAS, DK
[72] RASS-HANSEN, JEPPE, DK
[72] NORBY, TOBIAS HOLT, DK
[72] BLENNOW, BENGT PETER GUSTAV, DK
[72] KUNGAS, RAINER, DK
[72] NIELSEN, MARTIN REFSLUND, DK
[71] TOPSOE A/S, DK
[85] 2022-07-11
[86] 2021-02-15 (PCT/EP2021/053590)
[87] (WO2021/165180)
[30] EP (20157590.9) 2020-02-17

[21] **3,167,388**
[13] A1
[51] **Int.Cl. G06N 10/00 (2022.01) B82Y 10/00 (2011.01) G11C 11/44 (2006.01) H01L 27/18 (2006.01) H01L 39/22 (2006.01) H03K 17/92 (2006.01)**
[25] EN
[54] **ADDITIVE CONTROL OF QUBITS FOR ENABLING TIME-DOMAIN AND FREQUENCY-DOMAIN MULTIPLEXING**
[54] **CONTROLE ADDITIF DE BITS QUANTIQUES POUR PERMETTRE UN MULTIPLEXAGE DANS LE DOMAINE TEMPOREL ET DANS LE DOMAINE FREQUENTIEL**
[72] HEINSOO, JOHANNES, FI
[71] IQM FINLAND OY, FI
[85] 2022-07-11
[86] 2021-02-03 (PCT/FI2021/050071)
[87] (WO2021/156542)
[30] EP (20155370.8) 2020-02-04

[21] **3,167,390**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 13/12 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-AVB8 INTEGRIN ANTIBODIES FOR USE IN TREATING KIDNEY DISEASE**
[54] **ANTICORPS ANTI-INTEGRINE AVB8 DESTINES A ETRE UTILISES DANS LE TRAITEMENT D'UNE MALADIE RENALE**
[72] BAKER, DAVID JAMES, GB
[72] HEASMAN, STEPHANIE CLAIRE, GB
[72] HERRERA, MARIA MARCELA, GB
[72] LIARTE MARIN, ELENA, GB
[72] MORENO-QUINN, CAROL PATRICIA, GB
[72] MURRAY, LYNNE ANNE, GB
[72] TSUI, PING, US
[72] WU, YANLI, US
[71] MEDIMMUNE LIMITED, GB
[85] 2022-07-11
[86] 2021-01-26 (PCT/EP2021/051753)
[87] (WO2021/151889)
[30] US (62/966,258) 2020-01-27

[21] **3,167,392**
[13] A1
[51] **Int.Cl. F16B 37/14 (2006.01) E04B 1/24 (2006.01) E04B 1/58 (2006.01) F16B 33/00 (2006.01) F16B 5/02 (2006.01) F16B 7/18 (2006.01) F16B 25/00 (2006.01)**
[25] EN
[54] **METHOD OF PROTECTING A FIXING**
[54] **PROCEDE DE PROTECTION D'UNE FIXATION**
[72] WOOLSTENCROFT, DAVID, GB
[71] WOOLSTENCROFT, DAVID, GB
[85] 2022-07-11
[86] 2021-01-11 (PCT/GB2021/050056)
[87] (WO2021/144556)
[30] GB (2000651.6) 2020-01-16

[21] **3,167,395**
[13] A1
[51] **Int.Cl. B32B 7/12 (2006.01) B27N 3/18 (2006.01) B27N 7/00 (2006.01) B32B 21/14 (2006.01) B32B 27/04 (2006.01) B32B 37/12 (2006.01) B32B 38/08 (2006.01) B27N 9/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A VENEERED BOARD**
[54] **PROCEDE DE FABRICATION DE PANNEAU PLAQUE**
[72] KALWA, NORBERT, DE
[72] HASCH, JOACHIM, DE
[71] FLOORING TECHNOLOGIES LTD., MT
[85] 2022-07-11
[86] 2021-01-11 (PCT/EP2021/050403)
[87] (WO2021/148271)
[30] EP (20153702.4) 2020-01-24

[21] **3,167,397**
[13] A1
[51] **Int.Cl. A47J 31/00 (2006.01) A47J 31/40 (2006.01) A47J 43/042 (2006.01) A47J 43/046 (2006.01) A47J 43/07 (2006.01) A47J 43/27 (2006.01)**
[25] EN
[54] **A BLENDER FOR A POWDER-BASED BEVERAGE**
[54] **MELANGEUR POUR BOISSON A BASE DE POUDRE**
[72] VARNAVIDES, CHRISTOPHER, GB
[71] PRINCIGO LABS LTD, GB
[85] 2022-07-11
[86] 2021-01-15 (PCT/GB2021/050090)
[87] (WO2021/144581)
[30] GB (2000610.2) 2020-01-15

[21] **3,167,398**
[13] A1
[51] **Int.Cl. C08F 2/04 (2006.01) C08F 210/16 (2006.01)**
[25] EN
[54] **PROCESS FOR AVOIDING PHASE SEPARATION DURING SOLUTION POLYMERIZATION OF ETHYLENE-1-OCTENE COPOLYMERS**
[54] **PROCEDE PERMETTANT D'EVITER LA SEPARATION DE PHASES PENDANT LA POLYMERISATION EN SOLUTION DE COPOLYMERES D'ETHYLENE-1-OCTENE**
[72] AL-HAJ ALI, MOHAMMAD, FI
[71] BOREALIS AG, AT
[85] 2022-07-11
[86] 2021-01-07 (PCT/EP2021/050146)
[87] (WO2021/144178)
[30] EP (20152177.0) 2020-01-16

[21] **3,167,401**
[13] A1
[51] **Int.Cl. B67D 1/08 (2006.01) A23L 2/52 (2006.01) C12G 3/04 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR METERING, MIXING, AND DISPENSING LIQUIDS, INCLUDING ALCOHOLIC AND NON-ALCOHOLIC BEVERAGES**
[54] **SYSTEMES ET PROCEDES DE DOSAGE, DE MELANGE ET DE DISTRIBUTION DE LIQUIDES, Y COMPRIS DE BOISSONS ALCOOLISEES ET NON ALCOOLISEES**
[72] TATERA, PATRICK J., US
[72] BROH, RAPHAEL, US
[71] SUSTAINABLE BEVERAGE TECHNOLOGIES INC., US
[85] 2022-07-11
[86] 2021-01-08 (PCT/US2021/012781)
[87] (WO2021/142324)
[30] US (62/959,071) 2020-01-09

[21] **3,167,404**
[13] A1
[51] **Int.Cl. E04F 13/08 (2006.01) E04B 1/76 (2006.01) E04B 1/78 (2006.01) E04B 1/80 (2006.01)**
[25] EN
[54] **THERMAL INSULATION PAD**
[54] **PLAQUE D'ISOLATION THERMIQUE**
[72] FRASER, DAVID, GB
[72] KEMP, BEN, GB
[72] GLEAVE, OSCAR, GB
[71] SFS GROUP FASTENING TECHNOLOGY LTD, GB
[85] 2022-07-11
[86] 2021-01-28 (PCT/GB2021/050202)
[87] (WO2021/152317)
[30] GB (2001218.3) 2020-01-29

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[21] **3,167,406**
[13] A1
[51] **Int.Cl. F04D 13/10 (2006.01) E21B 47/008 (2012.01) E21B 43/12 (2006.01) E21B 47/06 (2012.01) E21B 47/10 (2012.01) E21B 47/12 (2012.01) F04D 15/00 (2006.01)**
[25] EN
[54] **FLUID FLOW CONDITION SENSING PROBE**
[54] **SONDE DE DETECTION DE CONDITION D'ECOULEMENT DE FLUIDE**
[72] BROWN, DONN J., US
[72] SHETH, KETANKUMAR KANTILAL, US
[72] DE LONG, ROBERT C., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-07-11
[86] 2020-03-26 (PCT/US2020/024885)
[87] (WO2021/188120)
[30] US (16/825,965) 2020-03-20

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[21] **3,167,409**
[13] A1
[51] **Int.Cl. A61K 51/04 (2006.01) A61P 37/02 (2006.01) C07D 257/02 (2006.01)**
[25] EN
[54] **MACROCYCLIC CHELATES AND USES THEREOF**
[54] **CHELATES MACROCYCLIQUES ET LEURS UTILISATIONS**
[72] MAHONEY, STUART JAMES, CA
[72] JOHANSEN, MICHAEL B., CA
[72] MORAN, MATHEW D., CA
[72] CHASSE, MELISSA, CA
[72] SIMMS, RYAN WAYNE, CA
[72] BURAK, ERIC STEVEN, CA
[72] VALLIANT, JOHN W., CA
[71] FUSION PHARMACEUTICALS INC., CA
[85] 2022-07-11
[86] 2021-01-08 (PCT/US2021/012697)
[87] (WO2021/142258)
[30] US (62/959,665) 2020-01-10

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[21] **3,167,411**
[13] A1
[51] **Int.Cl. B63C 9/00 (2006.01) B63C 9/08 (2006.01) B63C 11/46 (2006.01)**
[25] EN
[54] **SELF-RESCUE SYSTEM AND METHOD FOR PEOPLE IN DISTRESS IN AN AQUATIC ENVIRONMENT, PERSONAL BEACON AND U-SHAPED BUOY CONFIGURED TO CARRY OUT THE SELF-RESCUE METHOD IN AN AQUATIC ENVI RONMENT**
[54] **SYSTEME ET PROCEDE D'AUTO-SAUVETAGE DE PERSONNE EN DETRESSE EN MILIEU AQUATIQUE, BALISE PERSONNELLE ET BOUEE EN FORME DE U CONCUE POUR METTRE EN □UVRE LE PROCEDE D'AUTO-SAUVETAGE EN MILIEU AQUATIQUE**
[72] NORAS, JORGE ALBERTO FERREIRA, PT
[71] FUNDACAO NORAS, PT
[85] 2022-07-11
[86] 2020-01-21 (PCT/IB2020/050440)
[87] (WO2021/140363)
[30] PT (116052 T) 2020-01-10

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[21] **3,167,413**
[13] A1
[51] **Int.Cl. A61K 31/706 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **COMBINATION COMPRISING A TIM-3 INHIBITOR AND A HYPOMETHYLATING AGENT FOR USE IN TREATING MYELODYSPLASTIC SYNDROME OR CHRONIC MYELOMONOCYTIC LEUKEMIA**
[54] **POLYTHERAPIES COMPRENANT UN INHIBITEUR TIM-3 ET UN AGENT D'HYPOMETHYLATION A UTILISER DANS LE TRAITEMENT DU SYNDROME MYELODYSPLASIQUE OU DE LA LEUCEMIE MYELOMONOCYTAIRE CHRONIQUE**
[72] MENSSEN, HANS, CH
[72] RINNE, MIKAEL, US
[72] MALEK, KAMEL, CH
[71] NOVARTIS AG, CH
[85] 2022-07-11
[86] 2021-01-15 (PCT/IB2021/000026)
[87] (WO2021/144657)
[30] US (62/962,653) 2020-01-17
[30] US (63/061,001) 2020-08-04
[30] US (63/125,691) 2020-12-15

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[21] **3,167,414**
[13] A1
[51] **Int.Cl. G01N 29/04 (2006.01) G01N 29/24 (2006.01)**
[25] FR
[54] **METHOD FOR MONITORING THE CHANGE OVER TIME OF A DEFECT IN A STRUCTURE**
[54] **PROCEDE DE CONTROLE DE L'EVOLUTION TEMPORELLE D'UN DEFAUT DANS UNE STRUCTURE**
[72] CENCE, HUGO, FR
[72] PERRET, VALENTIN, FR
[72] BARDOUX, OLIVIER, FR
[72] GARY, DANIEL, FR
[72] WASTIAUX, SOPHIE, FR
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[71] EKOSCAN, FR
[85] 2022-07-11
[86] 2020-12-24 (PCT/EP2020/087864)
[87] (WO2021/144134)
[30] FR (FR2000483) 2020-01-17

[21] **3,167,416**
[13] A1
[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **PHOTOBIOMODULATION SYSTEM AND METHOD FOR IMPROVED IMMUNITY AND TREATMENT OF RESPIRATORY TRACT INFECTIONS**
[54] **SYSTEME DE PHOTOBIOMODULATION ET PROCEDE D'AMELIORATION DE L'IMMUNITE ET DE TRAITEMENT D'INFECTIONS DES VOIES RESPIRATOIRES**
[72] LIM, LEW, CA
[71] LIM, LEW, CA
[85] 2022-07-11
[86] 2021-03-22 (PCT/IB2021/052349)
[87] (WO2021/198840)
[30] US (63/004,752) 2020-04-03

[21] **3,167,417**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G01V 1/40 (2006.01)**
[25] EN
[54] **SUBSURFACE PROPERTY ESTIMATION IN A SEISMIC SURVEY AREA WITH SPARSE WELL LOGS**
[54] **ESTIMATION DE PROPRIETES DE SUBSURFACE DANS UNE ZONE D'ETUDE SISMIQUE AVEC DES DIAGRAPHIES DE PUITS RARES**
[72] DI, HAIBIN, US
[72] CHEN, XIAOLI, US
[72] MANIAR, HIREN, US
[72] ABUBAKAR, ARIA, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-07-11
[86] 2021-01-11 (PCT/US2021/012886)
[87] (WO2021/142406)
[30] US (62/959,374) 2020-01-10

[21] **3,167,418**
[13] A1
[51] **Int.Cl. F04D 13/10 (2006.01) E21B 47/008 (2012.01) E21B 43/12 (2006.01) E21B 47/06 (2012.01) E21B 47/10 (2012.01) E21B 47/12 (2012.01) F04D 15/00 (2006.01)**
[25] EN
[54] **FLUID FLOW CONDITION SENSING PROBE**
[54] **SONDE DE DETECTION D'ETAT D'ECOULEMENT DE FLUIDE**
[72] BROWN, DONN J., US
[72] SHETH, KETANKUMAR KANTILAL, US
[72] DE LONG, ROBERT C., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-07-11
[86] 2020-03-26 (PCT/US2020/024889)
[87] (WO2021/188121)
[30] US (16/825,969) 2020-03-20

[21] **3,167,419**
[13] A1
[51] **Int.Cl. A61K 38/46 (2006.01) C12N 15/113 (2010.01) C12N 9/22 (2006.01) C12N 15/11 (2006.01) C12N 15/29 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **TWO-STEP GENE SWAP**
[54] **ECHANGE DE GENE EN DEUX ETAPES**
[72] GAO, HUIRONG, US
[72] SVITASHEV, SERGEI, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2022-07-11
[86] 2021-01-05 (PCT/US2021/012173)
[87] (WO2021/141890)
[30] US (62/958,805) 2020-01-09

[21] **3,167,421**
[13] A1
[51] **Int.Cl. B32B 5/26 (2006.01) B32B 5/02 (2006.01)**
[25] EN
[54] **DUAL-REINFORCED CONSTRUCTION BOARD**
[54] **PANNEAU DE CONSTRUCTION DOUBLEMENT RENFORCE**
[72] POLEN, SHANE, US
[72] STEINDLER, MITCHELL, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2022-07-11
[86] 2021-01-08 (PCT/US2021/012797)
[87] (WO2021/142337)
[30] US (62/959,393) 2020-01-10
[30] US (62/983,941) 2020-03-02

[21] **3,167,427**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 1/16 (2006.01) A61P 13/12 (2006.01) A61P 35/00 (2006.01) C07K 16/22 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **TGFB INHIBITORS AND USE THEREOF**
[54] **INHIBITEURS DE TGFB ET LEUR UTILISATION**
[72] WAWERSIK, STEFAN, US
[72] SCHURPF, THOMAS, US
[72] CHAPRON, CHRISTOPHER, US
[72] KUMAR, SANDEEP, US
[72] FOGEL, ADAM, US
[71] SCHOLAR ROCK, INC., US
[85] 2022-07-11
[86] 2021-01-11 (PCT/US2021/012930)
[87] (WO2021/142427)
[30] US (62/959,925) 2020-01-11
[30] US (63/033,904) 2020-06-03
[30] US (63/038,413) 2020-06-12

[21] **3,167,431**
[13] A1
[51] **Int.Cl. A61K 31/12 (2006.01) A61K 31/136 (2006.01) A61K 31/4184 (2006.01)**
[25] EN
[54] **SUPPRESSION OF INFLAMMASOME ACTIVATION**
[54] **SUPPRESSION DE L'ACTIVATION D'INFLAMMASOMES**
[72] SAH, RAJAN, US
[72] KUMAR, ASHUTOSH, US
[72] HU, HONGZHEN, US
[72] LERNER, DR. DANIEL, US
[71] WASHINGTON UNIVERSITY, US
[71] SENSEION THERAPEUTICS, INC., US
[85] 2022-07-11
[86] 2021-01-11 (PCT/US2021/012983)
[87] (WO2021/142450)
[30] US (62/959,053) 2020-01-09
[30] US (62/959,775) 2020-01-10

[21] **3,167,434**
[13] A1
[51] **Int.Cl. C07D 239/22 (2006.01) A01N 43/54 (2006.01) C07D 239/54 (2006.01) C07D 409/10 (2006.01)**
[25] EN
[54] **CARBOXYLIC ACID DERIVATIVE-SUBSTITUTED IMINOARYL COMPOUND, PREPARATION METHOD, HERBICIDAL COMPOSITION AND USE THEREOF**
[54] **COMPOSE IMINO-ARYLE SUBSTITUE PAR UN DERIVE D'ACIDE CARBOXYLIQUE, SON PROCEDE DE PREPARATION, COMPOSITION HERBICIDE ET UTILISATION ASSOCIEE**
[72] LIAN, LEI, CN
[72] HUA, RONGBAO, CN
[72] PENG, XUEGANG, CN
[72] ZHAO, DE, CN
[72] CUI, QI, CN
[71] QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD., CN
[85] 2022-07-08
[86] 2020-12-11 (PCT/CN2020/135784)
[87] (WO2021/139482)
[30] CN (202010028477.6) 2020-01-11
[30] CN (202010077193.6) 2020-01-24
[30] CN (202010117877.4) 2020-02-25
[30] CN (202010281666.4) 2020-04-10

[21] **3,167,438**
[13] A1
[51] **Int.Cl. A61F 13/02 (2006.01) A61L 15/22 (2006.01) A61L 15/28 (2006.01) A61L 15/32 (2006.01) A61L 15/58 (2006.01) A61L 15/60 (2006.01) A61L 15/62 (2006.01)**
[25] EN
[54] **AN ADHESIVE BODY DRESSING AND METHOD FOR MANUFACTURING AN ADHESIVE BODY DRESSING**
[54] **PANSEMENT A CORPS ADHESIF ET PROCEDE DE FABRICATION D'UN PANSEMENT A CORPS ADHESIF**
[72] KIVIVUORI, ROOSA, FI
[72] ISOAHO, HEINI, FI
[71] DERMECO OY, FI
[85] 2022-07-08
[86] 2021-01-15 (PCT/FI2021/050022)
[87] (WO2021/144506)
[30] FI (20205047) 2020-01-17

[21] **3,167,440**
[13] A1
[51] **Int.Cl. H04N 21/00 (2011.01)**
[25] EN
[54] **FLASH CROWD MANAGEMENT IN REAL-TIME STREAMING**
[54] **GESTION DE FOULE ECLAIR DANS DIFFUSION EN CONTINU EN TEMPS REEL**
[72] BUSTAMANTE, FABIAN, US
[72] BIRRER, STEFAN, US
[71] PHENIX REAL TIME SOLUTIONS, INC., US
[85] 2022-07-08
[86] 2021-01-13 (PCT/US2021/013242)
[87] (WO2021/146288)
[30] US (62/960,534) 2020-01-13

[21] **3,167,443**
[13] A1
[51] **Int.Cl. B60L 53/30 (2019.01) B60L 53/14 (2019.01) B60L 53/16 (2019.01) B60L 53/31 (2019.01) H02J 7/00 (2006.01)**
[25] EN
[54] **POWER ASSEMBLY**
[54] **ENSEMBLE D'ALIMENTATION**
[72] BROWER, JOHN, US
[72] SAMOJEDEN, MATTHEW, US
[71] HUBBELL INCORPORATED, US
[85] 2022-07-11
[86] 2020-12-30 (PCT/US2020/067509)
[87] (WO2021/138449)
[30] US (62/955,579) 2019-12-31

[21] **3,167,444**
[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) A61K 31/7088 (2006.01)**
[25] EN
[54] **TARGETED AND LOCALIZED IN VIVO DELIVERY OF OLIGONUCLEOTIDES**
[54] **ADMINISTRATION IN VIVO CIBLEE ET LOCALISEE D'OLIGONUCLEOTIDES**
[72] PACKARD, BEVERLY, US
[72] KOMORIYA, AKIRA, US
[71] ONCOIMMUNIN, INC., US
[85] 2022-07-11
[86] 2021-01-11 (PCT/US2021/012988)
[87] (WO2021/142454)
[30] US (62/959,928) 2020-01-11

[21] **3,167,523**
[13] A1
[51] **Int.Cl. F21V 29/58 (2015.01) F21V 29/60 (2015.01) F21V 21/096 (2006.01)**
[25] EN
[54] **A COB LED LIGHTING LAMP COOLED BY A LIQUID AGENT, IN PARTICULAR WATER**
[54] **LAMPE D'ECLAIRAGE A DEL COB REFROIDIE PAR UN AGENT LIQUIDE, EN PARTICULIER DE L'EAU**
[72] STASIAK, MICHAL, AT
[72] KALUZNY, PIOTR, PL
[71] STASIAK, MICHAL, AT
[71] KALUZNY, PIOTR, PL
[85] 2022-07-06
[86] 2020-12-10 (PCT/PL2020/000093)
[87] (WO2021/141505)
[30] PL (P.432506) 2020-01-07

[21] **3,167,530**
[13] A1
[51] **Int.Cl. G09C 1/00 (2006.01) G06F 21/62 (2013.01) H04L 9/30 (2006.01) G06F 7/58 (2006.01)**
[25] EN
[54] **A METHOD FOR SYMMETRIC ASYNCHRONOUS GENERATIVE ENCRYPTION**
[54] **PROCEDE DE CHIFFREMENT GENERATIF ASYNCHRONE SYMETRIQUE**
[72] BEAUDET, JEAN-PHILIPPE, CA
[72] DUMAS, FRANCOIS, CA
[71] ZEU TECHNOLOGIES, INC., CA
[85] 2022-07-11
[86] 2021-01-11 (PCT/CA2021/050018)
[87] (WO2021/138747)
[30] US (62/959,572) 2020-01-10

[21] **3,167,531**
[13] A1
[51] **Int.Cl. A61K 31/351 (2006.01) A61K 31/35 (2006.01) A61K 31/357 (2006.01) A61K 31/381 (2006.01) A61K 31/382 (2006.01) A61K 31/7034 (2006.01) A61K 31/7042 (2006.01) A61K 31/7056 (2006.01) A61P 9/00 (2006.01) A61P 9/04 (2006.01)**
[25] EN
[54] **USE OF SGLT-2 INHIBITORS FOR THE PREVENTION AND/OR TREATMENT OF CARDIAC DISEASES IN FELINES**
[54] **UTILISATION D'INHIBITEURS DE SGLT-2 POUR LA PREVENTION ET/OU LE TRAITEMENT DE MALADIES CARDIAQUES CHEZ LES FELINS**
[72] KROH, CARLA, DE
[72] LANG, INGO ULRICH, DE
[72] ROSE, HORST, DE
[72] ROESSNER, FRANZISKA, DE
[72] KLEY, SASKIA, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2022-07-11
[86] 2021-02-15 (PCT/EP2021/053585)
[87] (WO2021/165177)
[30] EP (20157761.6) 2020-02-17

[21] **3,167,533**
[13] A1
[51] **Int.Cl. B42D 1/00 (2006.01) B42D 1/04 (2006.01) B42D 3/12 (2006.01) B42D 5/00 (2006.01) B42D 5/04 (2006.01) G06K 7/10 (2006.01) G06K 19/07 (2006.01) G06K 19/077 (2006.01)**
[25] EN
[54] **DATED OR UNDATED DIARY AND METHOD OF CONNECTING TO A DEDICATED WEB PAGE**
[54] **AGENDA DATE OU NON DATE ET PROCEDE DE CONNEXION A UNE PAGE WEB SPECIALISEE**
[72] PIZZAGALLI, CRISTIANO, IT
[71] BOOST S.P.A., IT
[85] 2022-07-11
[86] 2021-01-18 (PCT/IB2021/050352)
[87] (WO2021/148928)
[30] IT (102020000001156) 2020-01-22

[21] **3,167,535**
[13] A1
[51] **Int.Cl. H04N 19/44 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS OF HARMONIZING WEIGHTED PREDICTION WITH NON-RECTANGULAR MERGE MODES**
[54] **PROCEDE ET APPAREIL D'HARMONISATION DE PREDICTION PONDEREE AVEC DES MODES DE FUSION NON RECTANGULAIRES**
[72] FILIPPOV, ALEXEY KONSTANTINOVICH, CN
[72] CHEN, HUANBANG, CN
[72] RUFITSKIY, VASILY ALEXEEVICH, CN
[72] YANG, HAITAO, CN
[72] ALSHINA, ELENA ALEXANDROVNA, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-07-11
[86] 2021-01-12 (PCT/RU2021/050003)
[87] (WO2021/045658)
[30] US (62/960,134) 2020-01-12

[21] **3,167,543**
[13] A1
[51] **Int.Cl. A61K 31/5517 (2006.01) A61P 25/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **BENZODIAZEPINE DERIVATIVES AS GABA A GAMMA1 PAMS**
[54] **DERIVES DE BENZODIAZEPINE EN TANT QUE PAMS GABA A GAMMA1**
[72] CECERE, GIUSEPPE, CH
[72] GOBBI, LUCA, CH
[72] HERNANDEZ, MARIA-CLEMENCIA, CH
[72] KNOFLACH, FREDERIC, CH
[72] KOBLET, ANDREAS, CH
[72] O`CONNOR, EOIN CORNELIUS, CH
[72] OLIVARES MORALES, ANDRES MIGUEL, CH
[72] REUTLINGER, MICHAEL, CH
[72] RUNTZ-SCHMITT, VALERIE, CH
[72] WAMSTEEKER CUSULIN, JACLYN IVY, CH
[72] ZORN, NICOLAS, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-07-11
[86] 2021-03-29 (PCT/EP2021/058063)
[87] (WO2021/198124)
[30] EP (20167239.1) 2020-03-31

[21] **3,167,549**
[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) G06F 8/20 (2018.01) G06F 9/445 (2018.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR AUTHORITY CONTROL, COMPUTER DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE CONTROLE D'AUTORITES, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] XIE, YUN, CN
[71] ENVISION DIGITAL INTERNATIONAL PTE. LTD., SG
[71] SHANGHAI ENVISION DIGITAL CO., LTD., CN
[85] 2022-07-11
[86] 2021-01-08 (PCT/SG2021/050016)
[87] (WO2021/141543)
[30] CN (202010022017.2) 2020-01-09

[21] **3,167,552**
[13] A1
[51] **Int.Cl. H02S 50/10 (2014.01) H02S 10/00 (2014.01) H02S 40/36 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RECOGNIZING OPERATING STATE OF PHOTOVOLTAIC STRING AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE RECONNAISSANCE D'ETAT DE FONCTIONNEMENT DE CHAINE PHOTOVOLTAIQUE ET SUPPORT DE STOCKAGE**
[72] CHANG, JING, CN
[72] SUN, JIE, CN
[72] YANG, JINLIN, CN
[72] LI, ZHOUSHENG, CN
[72] JIAN, KANG, CN
[72] JIANG, HUIRONG, CN
[71] ENVISION DIGITAL INTERNATIONAL PTE. LTD., SG
[71] SHANGHAI ENVISION DIGITAL CO., LTD., CN
[85] 2022-07-11
[86] 2021-01-08 (PCT/SG2021/050017)
[87] (WO2021/141544)
[30] CN (202010022031.2) 2020-01-09

[21] **3,167,555**
[13] A1
[51] **Int.Cl. A61K 31/48 (2006.01) A61K 9/00 (2006.01) A61K 31/4985 (2006.01)**
[25] EN
[54] **REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES**
[54] **ADMINISTRATION REPETEE DE DIHYDROERGOTAMINE POUR LE TRAITEMENT DE CEPHALEES MIGRAINEUSES FREQUENTES**
[72] HOEKMAN, JOHN D., US
[72] SATTERLY, KELSEY H., US
[72] SHREWSBURY, STEPHEN B., US
[72] YOUMANS, SCOTT, US
[72] FULLER, CHRISTOPHER, US
[71] IMPEL PHARMACEUTICALS INC., US
[85] 2022-07-11
[86] 2021-01-13 (PCT/US2021/013282)
[87] (WO2021/146318)
[30] US (62/961,076) 2020-01-14

[21] **3,167,556**
[13] A1
[51] **Int.Cl. H05H 1/14 (2006.01) G21B 1/05 (2006.01) H05H 1/16 (2006.01) H05H 1/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR FORMING AND MAINTAINING HIGH ENERGY AND TEMPERATURE FRC PLASMA VIA SPHEROMAK MERGING AND NEUTRAL BEAM INJECTION**
[54] **SYSTEME ET PROCEDES DE FORMATION ET DE MAINTIENT D'UN PLASMA FRC A HAUTE ENERGIE ET A HAUTE TEMPERATURE PAR FUSION DE SPHEROMAK ET INJECTION DE FAISCEAU NEUTRE**
[72] GOTA, HIROSHI, US
[72] TAJIMA, TOSHIKI, US
[71] TAE TECHNOLOGIES, INC., US
[85] 2022-07-11
[86] 2021-01-13 (PCT/US2021/013295)
[87] (WO2021/146329)
[30] US (62/960,585) 2020-01-13

[21] **3,167,664**
[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 90/00 (2016.01) A61B 5/00 (2006.01) A61L 2/28 (2006.01)**
[25] EN
[54] **MEDICAL SYSTEM AND METHOD OF STERILITY TESTING THE MEDICAL SYSTEM**
[54] **SYSTEME MEDICAL ET PROCEDE DE TEST DE STERILITE DU SYSTEME MEDICAL**
[72] LIST, HANS, DE
[72] RIEBEL, STEFAN, DE
[72] RITTINGHAUS, ANDREA, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-07-12
[86] 2021-02-23 (PCT/EP2021/054365)
[87] (WO2021/170544)
[30] EP (20159511.3) 2020-02-26

[21] **3,167,666**
[13] A1
[51] **Int.Cl. A42B 3/14 (2006.01) A42B 3/06 (2006.01)**
[25] EN
[54] **HELMET**
[54] **CASQUE**
[72] WIKNER, JAKOB, SE
[72] HALLDIN, PETER, SE
[71] MIPS AB, SE
[85] 2022-07-12
[86] 2021-02-12 (PCT/EP2021/053491)
[87] (WO2021/160823)
[30] GB (2001904.8) 2020-02-12
[30] GB (2001907.1) 2020-02-12

[21] **3,167,668**
[13] A1
[51] **Int.Cl. C04B 28/04 (2006.01) C04B 7/02 (2006.01) C04B 7/26 (2006.01) C04B 14/06 (2006.01) C04B 22/06 (2006.01)**
[25] EN
[54] **USE OF AMORPHOUS SILICA REAGENT PRODUCED FROM SERPENTINE IN CONCRETE PREPARATION**
[54] **UTILISATION D'UN REACTIF A BASE DE SILICE AMORPHE PRODUIT A PARTIR DE SERPENTINE DANS UNE PREPARATION DE BETON**
[72] FOURNIER, JOEL, CA
[72] GAUTHIER, LAURY, CA
[72] ZIDOL, ABLAM, CA
[72] TAGNIT-HAMOU, AREZKI, CA
[71] ALLIANCE MAGNESIUM, CA
[71] SOCPRA SCIENCES ET GENIE S.E.C., CA
[85] 2022-07-12
[86] 2021-03-08 (PCT/CA2021/050303)
[87] (WO2021/179067)
[30] US (62/986,911) 2020-03-09

[21] **3,167,669**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 1/20 (2006.01) C12Q 1/68 (2018.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **HYDROPHOBIC INTERACTION CHROMATOGRAPHY FOR VIRAL CLEARANCE**
[54] **CHROMATOGRAPHIE D'INTERACTION HYDROPHOBE POUR CLAIRANCE VIRALE**
[72] RUPPINO, JOHN, US
[72] MATTILA, JOHN, US
[72] STAIRS, ROBERT, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-07-12
[86] 2021-01-15 (PCT/US2021/013739)
[87] (WO2021/146630)
[30] US (62/962,506) 2020-01-17

[21] **3,167,671**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01)**
[25] EN
[54] **METHOD AND ANTIBODY FOR DETECTION OF HBCAG**
[54] **PROCEDE ET ANTICORPS POUR LA DETECTION DE HBCAG**
[72] CHEN, ZIMIN, CN
[72] XIONG, JUNHUI, CN
[72] LIU, JIAQI, CN
[72] WANG, SHAOJUAN, CN
[72] GE, SHENGXIANG, CN
[72] YUAN, QUAN, CN
[72] SONG, LIUWEI, CN
[72] SUN, XUDONG, CN
[71] XIAMEN INNODX BIOTECH CO., LTD, CN
[71] XIAMEN UNIVERSITY, CN
[85] 2022-07-12
[86] 2021-01-18 (PCT/CN2021/072483)
[87] (WO2021/143902)
[30] CN (202010059190.X) 2020-01-19

[21] **3,167,672**
[13] A1
[51] **Int.Cl. A01N 37/20 (2006.01) A01N 37/34 (2006.01) C07C 233/05 (2006.01) C07C 233/09 (2006.01) C07C 233/13 (2006.01) C07C 233/20 (2006.01) C07C 255/02 (2006.01) C07C 255/10 (2006.01) C07C 255/29 (2006.01) C07D 207/337 (2006.01) C07D 213/56 (2006.01) C07D 231/40 (2006.01) C07D 233/66 (2006.01) C07D 277/46 (2006.01) C07D 307/54 (2006.01) C07D 309/34 (2006.01) C07D 333/26 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR CROP PROTECTION**
[54] **COMPOSITIONS POUR LA PROTECTION DE CULTURES**
[72] SHUB, IFAT, IL
[72] PHILLIP, YAEL, IL
[72] GEVA, YOSEF, IL
[71] AGREMATCH LTD., IL
[85] 2022-07-12
[86] 2021-01-20 (PCT/IL2021/050062)
[87] (WO2021/149051)
[30] US (62/963,510) 2020-01-20
[30] US (63/029,873) 2020-05-26

[21] **3,167,674**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/12 (2006.01) A61K 31/137 (2006.01) A61K 31/167 (2006.01) A61K 31/40 (2006.01) A61K 31/56 (2006.01) A61K 31/573 (2006.01) A61K 47/02 (2006.01)**
[25] EN
[54] **MEDICINAL COMPOSITIONS FOR CARBON DIOXIDE BASED METERED DOSE INHALERS**
[54] **COMPOSITIONS MEDICINALES POUR INHALATEURS DOSEURS A BASE DE DIOXYDE DE CARBONE**
[72] BUNTING, JOHN P., US
[72] DEXTER, SARAH J., US
[72] HODSON, PETER D., US
[72] SLOWEY, ALEXANDER D., US
[71] KINDEVA DRUG DELIVERY L.P., US
[85] 2022-07-12
[86] 2021-01-12 (PCT/US2021/013055)
[87] (WO2021/146176)
[30] US (62/962,018) 2020-01-16

[21] **3,167,675**
[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61K 31/4439 (2006.01) C07D 401/04 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **NOVEL PYRAZOLE DERIVATIVES**
[54] **NOUVEAU DERIVE DE PYRAZOLE**
[72] LEE, SOO JIN, KR
[72] MOON, SUNG HWAN, KR
[72] BAN, SOO HO, KR
[72] LEE, EUN SIL, KR
[72] SHIN, EUN JUNG, KR
[72] GOH, YOO-KYUNG, KR
[72] LEE, SUNG CHAN, KR
[72] YU, HYUN KYUNG, KR
[71] APTABIO THERAPEUTICS INC., KR
[85] 2022-07-12
[86] 2021-01-12 (PCT/KR2021/000425)
[87] (WO2021/145655)
[30] KR (10-2020-0004471) 2020-01-13

[21] **3,167,676**
[13] A1
[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **IRAK4 INHIBITOR CRYSTAL AND PREPARATION METHOD THEREFOR**
[54] **CRISTAL D'INHIBITEUR DE L'IRAK4 ET SON PROCEDE DE PREPARATION**
[72] ZHANG, YANG, CN
[72] WANG, JIANFEI, CN
[72] TAN, HAIZHONG, CN
[72] XING, YUHAI, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2022-07-12
[86] 2021-01-21 (PCT/CN2021/073152)
[87] (WO2021/147968)
[30] CN (202010071573.9) 2020-01-21
[30] CN (202010753615.7) 2020-07-30

[21] **3,167,678**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 31/155 (2006.01) A61K 31/17 (2006.01) A61K 45/06 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR INHIBITING INFLAMMATORY RESPONSE COMPRISING HYDROXYUREA**
[54] **COMPOSITION PHARMACEUTIQUE DESTINEE A INHIBER UNE REPONSE INFLAMMATOIRE ET COMPRENANT DE L'HYDROXYUREE**
[72] HWANG, TAE-HO, KR
[72] CHO, MONG, KR
[72] CHO, EUNA, KR
[72] LEE, BORA, KR
[72] KIM, EUNG-KYUN, KR
[72] LEE, CHAN HEE, KR
[71] BIONOXX INC., KR
[85] 2022-07-12
[86] 2021-02-15 (PCT/KR2021/001910)
[87] (WO2021/162525)
[30] KR (10-2020-0018534) 2020-02-14
[30] KR (10-2020-0044119) 2020-04-10

[21] **3,167,679**
[13] A1
[51] **Int.Cl. B60T 7/12 (2006.01) B60W 30/184 (2012.01) A01G 23/00 (2006.01) B60L 15/20 (2006.01) B60W 10/18 (2012.01)**
[25] EN
[54] **MOBILE WORKING MACHINE, CONTROL SYSTEM AND METHOD FOR CONTROLLING A MOBILE WORKING MACHINE**
[54] **MACHINE DE TRAVAIL MOBILE, SYSTEME DE COMMANDE ET PROCEDE DE COMMANDE D'UNE MACHINE DE TRAVAIL MOBILE**
[72] SARHALUOMA, ANSSI, FI
[72] KOIRIKIVI, VESA, FI
[72] KERANEN, MIKA, FI
[72] KARPPINEN, JUKKA, FI
[72] NOUSIAINEN, PETRI, FI
[72] TOSSAVAINEN, JUKKA, FI
[71] PONSSE OYJ, FI
[85] 2022-07-12
[86] 2021-03-08 (PCT/FI2021/050168)
[87] (WO2021/181006)
[30] FI (20205248) 2020-03-09

[21] **3,167,680**
[13] A1
[51] **Int.Cl. C08L 75/04 (2006.01) B29C 39/00 (2006.01) C08G 18/00 (2006.01) C08G 18/16 (2006.01) C08L 75/00 (2006.01)**
[25] EN
[54] **USES OF MICROBIAL DERIVED MATERIALS IN THERMOSET APPLICATIONS**
[54] **UTILISATIONS DE MATERIAUX D'ORIGINE MICROBIENNE DANS DES APPLICATIONS THERMODURCISSABLES**
[72] STERBENZ, MATTHEW, US
[72] MALMROSE, DANIEL, US
[72] HONG, JIAN, US
[72] RADOJCIC, DRAGANA, US
[72] FRANKLIN, SCOTT, US
[72] RAND, CHARLES, US
[71] CHECKERSPOT, INC., US
[85] 2022-07-12
[86] 2021-01-22 (PCT/US2021/014662)
[87] (WO2021/150923)
[30] US (62/965,681) 2020-01-24
[30] US (63/088,600) 2020-10-07

[21] **3,167,681**
[13] A1
[51] **Int.Cl. C12N 5/0775 (2010.01) C07K 14/47 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **CELLS HAVING HIGH ADAPTABILITY UNDER HYPOXIC CONDITIONS, AND USE THEREOF**
[54] **CELLULES AYANT UNE ADAPTABILITE ELEVEE DANS DES CONDITIONS HYPOXIQUES, ET LEUR UTILISATION**
[72] SHIN, EUN JI, KR
[72] LEE, KANG IN, KR
[72] LEE, JAE YOUNG, KR
[71] TOOLGEN INCORPORATED, KR
[85] 2022-07-12
[86] 2021-01-14 (PCT/KR2021/000546)
[87] (WO2021/145700)
[30] KR (10-2020-0004614) 2020-01-14

[21] **3,167,682**
[13] A1
[51] **Int.Cl. G01N 21/45 (2006.01) G01N 21/77 (2006.01) G01N 21/78 (2006.01)**
[25] EN
[54] **A HOLOGRAPHIC SENSOR**
[54] **CAPTEUR HOLOGRAPHIQUE**
[72] KHALILI MOGHADDAM, GITA, GB
[72] LOWE, CHRISTOPHER ROBIN, GB
[72] BLYTH, JEFFREY, GB
[71] CAMBRIDGE ENTERPRISE LIMITED, GB
[85] 2022-07-12
[86] 2021-01-13 (PCT/GB2021/050068)
[87] (WO2021/144563)
[30] GB (2000475.0) 2020-01-13

[21] **3,167,683**
[13] A1
[51] **Int.Cl. F24T 10/20 (2018.01) F24T 10/00 (2018.01)**
[25] EN
[54] **EXPLOITING GEOTHERMAL ENERGY THROUGH HEAT RECOVERY BY CIRCULATING WORKING FLUID IN PURPOSE-BUILT SYSTEM OF MULTILATERAL WELLS**
[54] **EXPLOITATION DE L'ENERGIE GEOTHERMIQUE PAR RECUPERATION DE CHALEUR PAR CIRCULATION D'UN FLUIDE DE TRAVAIL DANS UN SYSTEME INTEGRE A DES PUITS MULTILATERAUX**
[72] NORMANN, EYVIND, NO
[72] EVENSEN, JAN EDIN, NO
[71] NORMANN, EYVIND, NO
[71] EVENSEN, JAN EDIN, NO
[85] 2022-07-12
[86] 2021-01-06 (PCT/NO2021/050002)
[87] (WO2021/145776)
[30] NO (20200066) 2020-01-17

[21] **3,167,684**
[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) A61K 47/66 (2017.01) C12Q 1/6897 (2018.01) A61P 31/18 (2006.01) C07K 19/00 (2006.01) C12N 9/00 (2006.01) C12N 9/22 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01) C12N 15/87 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **NUCLEASE-SCAFFOLD COMPOSITION DELIVERY PLATFORM**
[54] **PLATEFORME DE DISTRIBUTION DE COMPOSITION D'ECHAFAUDAGE DE NUCLEASE**
[72] ROCHE, PHILIP, CA
[71] JENTHERA THERAPEUTICS INC., CA
[85] 2022-07-12
[86] 2021-01-28 (PCT/IB2021/000073)
[87] (WO2021/152402)
[30] US (62/967,259) 2020-01-29

[21] **3,167,685**
[13] A1
[51] **Int.Cl. A61K 31/365 (2006.01) A61K 31/436 (2006.01) A61K 31/573 (2006.01) A61K 38/47 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **TREATMENT OF MUCOPOLYSACCHARIDOSIS I WITH FULLY-HUMAN GLYCOSYLATED HUMAN ALPHA-L-IDURONIDASE (IDUA)**
[54] **TRAITEMENT DE LA MUCOPOLYSACCHARIDOSE I AVEC UNE ALPHA-L-IDURONIDASE GLYCOSYLEE ENTIEREMENT HUMAINE (IDUA)**
[72] PAKOLA, STEPHEN JOSEPH, US
[72] FALABELLA, PAULO, US
[72] NEVORET, MARIE-LAURE, US
[71] REGENXBIO INC., US
[85] 2022-07-12
[86] 2021-01-20 (PCT/US2021/014129)
[87] (WO2021/150570)
[30] US (62/964,351) 2020-01-22
[30] US (63/086,145) 2020-10-01

[21] **3,167,686**
[13] A1
[51] **Int.Cl. G01N 1/02 (2006.01) G01N 1/10 (2006.01) G01N 1/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND PROCESSES FOR COLLECTING AND TRANSPORTING FLUID SAMPLES**
[54] **SYSTEMES ET PROCEDES DE COLLECTE ET DE TRANSPORT D'ECHANTILLONS DE FLUIDE**
[72] BAINBRIDGE, SAMUEL C., US
[72] SENZER, ERIC B., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2022-07-12
[86] 2020-12-11 (PCT/US2020/064403)
[87] (WO2021/145985)
[30] US (62/962,479) 2020-01-17

[21] **3,167,689**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION TREATMENTS AND USES AND METHODS THEREOF**
[54] **TRAITEMENTS COMBINES ET UTILISATIONS ET METHODES ASSOCIEES**
[72] GUPTA, IRA, US
[72] HOOS, AXEL, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2022-07-12
[86] 2021-01-28 (PCT/IB2021/050664)
[87] (WO2021/152495)
[30] US (62/966,654) 2020-01-28

[21] **3,167,691**
[13] A1
[51] **Int.Cl. A61K 31/435 (2006.01) A61K 31/44 (2006.01) A61P 25/04 (2006.01) C07D 211/06 (2006.01) C07D 211/44 (2006.01) C07D 211/58 (2006.01)**
[25] EN
[54] **FENTANYL HAPTENS FOR THE PREPARATION OF A FENTANYL VACCINE**
[54] **HAPTENES DE FENTANYL POUR LA PREPARATION D'UN VACCIN A BASE DE FENTANYL**
[72] TORRES, OSCAR, US
[72] MATYAS, GARY R., US
[72] RICE, KENNER C., US
[72] BOW, ERIC W., US
[72] SULIMA, AGNIESZKA, US
[72] JACOBSON, ARTHUR E., US
[71] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
[71] THE GOVERNMENT OF THE UNITED STATES AS REPRESENTED BY THE SECRETARY OF, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2022-07-13
[86] 2021-01-13 (PCT/US2021/013300)
[87] (WO2021/146334)
[30] US (62/960,187) 2020-01-13

[21] **3,167,692**
[13] A1
[51] **Int.Cl. C22C 38/38 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/06 (2006.01) C22C 38/22 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01) C23C 2/06 (2006.01)**
[25] EN
[54] **HIGH STRENGTH COLD ROLLED AND GALVANNEALED STEEL SHEET AND MANUFACTURING PROCESS THEREOF**
[54] **TOLE D'ACIER LAMINEE A FROID A RESISTANCE ELEVEE ET RECUITE APRES GALVANISATION ET SON PROCEDE DE FABRICATION**
[72] INACIO DA ROSA, GREGORY, FR
[72] ZHAO, LIJIA, US
[72] FAN, DONGWEI, US
[72] DRILLET, JOSEE, FR
[71] ARCELORMITTAL, LU
[85] 2022-07-12
[86] 2021-02-08 (PCT/IB2021/050994)
[87] (WO2021/176285)
[30] IB (PCT/IB2020/051750) 2020-03-02

[21] **3,167,697**
[13] A1
[51] **Int.Cl. F25B 1/00 (2006.01) F24F 11/62 (2018.01) G06F 30/17 (2020.01) F04C 14/18 (2006.01) F25B 31/00 (2006.01) F25B 49/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COMPRESSOR DESIGN**
[54] **SYSTEMES ET PROCEDES DE CONCEPTION DE COMPRESSEUR**
[72] TARAS, MICHAEL F., US
[72] SALEH, KHALED H., US
[72] GONG, YING, US
[71] GOODMAN GLOBAL GROUP, INC., US
[85] 2022-07-13
[86] 2021-01-22 (PCT/US2021/014508)
[87] (WO2021/173268)
[30] US (16/798,839) 2020-02-24

[21] **3,167,698**
[13] A1
[51] **Int.Cl. A01K 61/60 (2017.01) A01K 63/00 (2017.01)**
[25] EN
[54] **FISH FARMING TANK WITH AN INTERNAL BUOYANCY BALLAST TANK**
[54] **RESERVOIR D'ELEVAGE DE POISSONS DOTE D'UN D'UN RESERVOIR DE BALLAST A FLOTTABILITE INTERNE**
[72] HELLESOY, ASMUND, NO
[72] LYNGOY, CATO, NO
[72] LARSSON AGA, HALVOR, NO
[71] HAUGE AQUA SOLUTIONS AS, NO
[85] 2022-07-12
[86] 2021-01-27 (PCT/NO2021/050022)
[87] (WO2021/154087)
[30] NO (20200111) 2020-01-28

[21] **3,167,700**
[13] A1
[51] **Int.Cl. G01N 21/64 (2006.01) H01S 5/042 (2006.01)**
[25] EN
[54] **PULSED LASER LIGHT SOURCE FOR PRODUCING EXCITATION LIGHT IN AN INTEGRATED SYSTEM**
[54] **SOURCE DE LUMIERE LASER PULSEE POUR PRODUIRE UNE LUMIERE D'EXCITATION DANS UN SYSTEME INTEGRE**
[72] SCHMID, GERARD, US
[72] AHMAD, FAISAL R., US
[72] BELLOS, MICHAEL, US
[72] CIPRIANY, BENJAMIN, US
[72] PRESTON, KYLE, US
[72] KABIRI, ALI, US
[72] DYER, MATHEW, US
[72] ROTHBERG, JONATHAN M., US
[72] REED, BRIAN, US
[72] REARICK, TODD, US
[71] QUANTUM-SI INCORPORATED, US
[85] 2022-07-13
[86] 2021-01-14 (PCT/US2021/013512)
[87] (WO2021/146479)
[30] US (62/961,127) 2020-01-14

[21] **3,167,701**
[13] A1
[51] **Int.Cl. A61B 17/322 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CLINICAL SOIL CONTROL FOR A SKIN GRAFTING SYSTEM**
[54] **SYSTEME ET PROCEDE DE REGULATION DE SALISSURE CLINIQUE POUR UN SYSTEME DE GREFFAGE DE PEAU**
[72] MOLINARO, KELLY, US
[72] GUILES, MARVIN A., US
[72] EVANS, THOMAS J., US
[72] MCPHERSON, AARON, US
[71] MEDLINE INDUSTRIES, LP, US
[85] 2022-07-12
[86] 2021-01-11 (PCT/US2021/012974)
[87] (WO2021/146146)
[30] US (16/741,535) 2020-01-13

[21] **3,167,703**
[13] A1
[51] **Int.Cl. F04B 1/14 (2020.01) F04B 1/148 (2020.01) F04B 5/02 (2006.01) F04B 49/06 (2006.01) F04B 53/10 (2006.01) F04B 53/16 (2006.01)**
[25] EN
[54] **DOUBLE ACTING FLUID END ROTATING THRUST PLATE PUMP**
[54] **POMPE A PLAQUE DE POUSSEE ROTATIVE ET A EXTREMITE A DOUBLE ACTION POUR FLUIDES**
[72] PENDLETON, GARY, GB
[72] STRATULATE, GARY WARREN, US
[71] GARTECH, LLC, US
[85] 2022-07-13
[86] 2021-01-20 (PCT/US2021/014155)
[87] (WO2021/150588)
[30] US (62/963,703) 2020-01-21
[30] US (63/033,026) 2020-06-01

[21] **3,167,704**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/00 (2016.01) A61B 34/10 (2016.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING OFFSET DURING NAVIGATION-ASSISTED SURGERY**
[54] **SYSTEME ET METHODE DE SURVEILLANCE DE DECALAGE AU COURS D'UNE INTERVENTION CHIRURGICALE A NAVIGATION ASSISTEE**
[72] WALEN, JAMES G., US
[72] BOLTHOUSE, ZACHARY, US
[71] STRYKER CORPORATION, US
[85] 2022-07-12
[86] 2021-01-13 (PCT/US2021/013206)
[87] (WO2021/146261)
[30] US (62/960,218) 2020-01-13
[30] US (63/054,811) 2020-07-22

[21] **3,167,705**
[13] A1
[51] **Int.Cl. E01F 9/631 (2016.01) E01F 15/04 (2006.01) E04H 17/20 (2006.01) E04H 17/22 (2006.01)**
[25] EN
[54] **GUARDRAIL POST SYSTEM**
[54] **SYSTEME DE MONTANT DE GLISSIERE DE SECURITE**
[72] POWELL, BENJAMIN FRASER, CA
[72] ALBERSON, DEAN CLINTON, US
[72] GHUMAN, MOHAMMAD TALHA, CA
[71] VANDORF GR1 INC., CA
[85] 2022-07-13
[86] 2020-11-19 (PCT/CA2020/000126)
[87] (WO2021/142526)
[30] US (16/742,717) 2020-01-14

[21] **3,167,706**
[13] A1
[51] **Int.Cl. F16K 1/42 (2006.01) F16K 25/00 (2006.01) F16K 27/02 (2006.01)**
[25] EN
[54] **CHOKE VALVE ASSEMBLY**
[54] **ENSEMBLE VANNE D'ETRANGLEMENT**
[72] ELLIOTT, DECLAN, IE
[72] DAHLGREN, SCOTT, US
[72] MCHUGH, EDMUND PETER, IE
[72] GNANAVELU, ABINESH, IE
[72] MARTINO, JERRY ALLEN, US
[72] HOYLE, DAVID C., US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-07-12
[86] 2021-01-13 (PCT/US2021/013239)
[87] (WO2021/146285)
[30] US (62/960,407) 2020-01-13

[21] **3,167,708**
[13] A1
[51] **Int.Cl. A23L 25/00 (2016.01) A23P 20/25 (2016.01) A23D 7/00 (2006.01) A23D 9/00 (2006.01) A23G 1/36 (2006.01) A23G 1/40 (2006.01) A23G 1/46 (2006.01) A23G 1/48 (2006.01) A23G 1/54 (2006.01) A23G 3/00 (2006.01) A23G 3/34 (2006.01) A23G 3/36 (2006.01) A23G 3/40 (2006.01) A23G 3/46 (2006.01) A23G 3/54 (2006.01)**
[25] EN
[54] **FAT-BASED FILLING COMPOSITION**
[54] **COMPOSITION DE REMPLISSAGE A BASE DE GRAISSE**
[72] RODRIGUEZ ROSENDE, RICARDO ANDRES, GB
[72] MARTY-TERRADE, STEPHANIE, GB
[72] SAGALOWICZ, LAURENT, CH
[72] FERNANDEZ FARRES, ISABEL, CH
[72] GUNES, ZEYNEL DENIZ, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-07-13
[86] 2021-01-08 (PCT/EP2021/050243)
[87] (WO2021/151630)
[30] EP (20154271.9) 2020-01-29

[21] **3,167,710**
[13] A1
[51] **Int.Cl. A61K 31/135 (2006.01) A61K 31/513 (2006.01) A61P 21/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **USE OF KETAMINE IN THE TREATMENT OF CACHEXIA**
[54] **UTILISATION DE KETAMINE DANS LE TRAITEMENT DE LA CACHEXIE**
[72] WANG, JAMES CHYAN-JI, US
[71] ASTROMEDICAL BIOTECHNOLOGY, LTD., TW
[85] 2022-07-13
[86] 2020-11-19 (PCT/US2020/061187)
[87] (WO2021/145952)
[30] US (62/960,255) 2020-01-13

[21] **3,167,711**
[13] A1
[51] **Int.Cl. H04W 52/08 (2009.01) H04W 52/48 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **TERMINAL AND TRANSMISSION POWER CONTROL METHOD**
[54] **TERMINAL ET PROCEDE DE COMMANDE DE PUISSANCE DE TRANSMISSION**
[72] KUMAGAI, SHINYA, JP
[72] NAGATA, SATOSHI, JP
[72] WANG, LIHUI, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
[85] 2022-07-13
[86] 2020-01-21 (PCT/JP2020/001989)
[87] (WO2021/149163)

[21] **3,167,712**
[13] A1
[51] **Int.Cl. A61M 5/172 (2006.01)**
[25] EN
[54] **MACHINE LEARNING IN AN ARTIFICIAL PANCREAS**
[54] **APPRENTISSAGE AUTOMATIQUE DANS UN PANCREAS ARTIFICIEL**
[72] KAMATH, APURV ULLAS, US
[72] ESCOBAR, DEREK JAMES, US
[72] MIKAMI, SUMITAKA, US
[72] HAMPAPURAM, HARI, US
[72] WEST, BENJAMIN ELROD, US
[72] PAUL, NATHANAEL, US
[72] BHAVARAJU, NARESH C., US
[72] MENSINGER, MICHAEL ROBERT, US
[72] MORRIS, GARY A., US
[72] PAL, ANDREW ATTILA, US
[72] REIHMAN, ELI, US
[72] BELLIVEAU, SCOTT M., US
[72] KOEHLER, KATHERINE YERRE, US
[72] POLYTARIDIS, NICHOLAS, US
[72] DRAEGER, RIAN, US
[72] VALDES, JORGE, US
[72] PRICE, DAVID, US
[72] SIMPSON, PETER C., US
[72] SWEENEY, EDWARD, US
[71] DEXCOM, INC., US
[85] 2022-07-13
[86] 2020-12-07 (PCT/US2020/063652)
[87] (WO2021/167675)
[30] US (62/979,347) 2020-02-20

[21] **3,167,713**
[13] A1
[51] **Int.Cl. C12N 5/079 (2010.01) C12N 5/0793 (2010.01) C12N 5/0797 (2010.01) A61P 25/16 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **METHOD OF DIFFERENTIATING NEURAL CELLS AND RELATED COMPOSITIONS AND METHODS OF USE**
[54] **PROCEDE DE DIFFERENCIATION DE CELLULES NERVEUSES ET COMPOSITIONS ASSOCIEES ET METHODES D'UTILISATION**
[72] BRATT-LEAL, ANDRES, US
[72] LORING, JEANNE, US
[72] TRAN, HA, US
[72] WILLIAMS, ROY, US
[72] MOSSMAN, JIM, US
[71] ASPEN NEUROSCIENCE, INC., US
[85] 2022-07-12
[86] 2021-01-13 (PCT/US2021/013324)
[87] (WO2021/146349)
[30] US (62/960,669) 2020-01-13

[21] **3,167,716**
[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/08 (2006.01) E21B 43/08 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **INFLOW CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE D'ECOULEMENT ENTRANT**
[72] DIKSHIT, ASHUTOSH, US
[72] WOICESHYN, GLENN, CA
[72] KUMAR, AMRENDRA, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-07-13
[86] 2021-01-04 (PCT/US2021/012087)
[87] (WO2021/146070)
[30] US (62/960,760) 2020-01-14
[30] US (16/791,123) 2020-02-14

[21] **3,167,717**
[13] A1
[51] **Int.Cl. C23F 11/14 (2006.01) C10G 7/10 (2006.01) C10G 75/02 (2006.01) C23F 11/12 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING OR PREVENTING CORROSION OR FOULING CAUSED BY ACIDIC COMPOUNDS**
[54] **PROCEDE DE REDUCTION OU DE PREVENTION DE LA CORROSION OU DE L'ENCRASSEMENT PROVOQUE PAR DES COMPOSES ACIDES**
[72] URSCHEY, MICHAEL, DE
[72] SCHMALOHR, INGO, DE
[72] SCHMIDT, PHILIPP, DE
[71] KURITA WATER INDUSTRIES LTD., JP
[85] 2022-07-13
[86] 2020-01-30 (PCT/JP2020/003427)
[87] (WO2021/152773)

[21] **3,167,718**
[13] A1
[51] **Int.Cl. E04H 9/14 (2006.01) E04H 9/00 (2006.01)**
[25] EN
[54] **SOLAR POWERED SHELTER FOR PRODUCING AND STORING ENERGY AND/OR WATER**
[54] **ABRI A ENERGIE SOLAIRE POUR PRODUIRE ET STOCKER DE L'ENERGIE ET/OU DE L'EAU**
[72] DE LUCA, TODD, US
[71] PULSE GRIDS, LLC, US
[85] 2022-07-12
[86] 2021-01-14 (PCT/US2021/013361)
[87] (WO2021/146372)
[30] US (62/961,123) 2020-01-14

[21] **3,167,719**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/6874 (2018.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SINGLE CELL GENE PROFILING**
[54] **PROCEDES ET SYSTEMES POUR LE PROFILGAE GENETIQUE DE CELLULE UNIQUE**
[72] FONTANEZ, KRISTINA, US
[72] MELTZER, ROBERT, US
[72] XUE, YI, US
[72] D'AMATO, CHRISTOPHER, US
[72] KIANI, SEPEHR, US
[71] FLUENT BIOSCIENCES INC., US
[85] 2022-07-13
[86] 2021-01-12 (PCT/US2021/013042)
[87] (WO2021/146166)
[30] US (62/960,404) 2020-01-13

[21] **3,167,721**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6813 (2018.01) G01N 33/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTION OF OVARIAN CANCER**
[54] **COMPOSITIONS ET METHODES POUR LA DETECTION DU CANCER DE L'OVAIRE**
[72] SEDLAK, JOSEPH CHARLES, US
[72] BORTOLIN, LAURA TERESA, US
[72] SALEM, DANIEL PARKER, US
[71] MERCY BIOANALYTICS, INC., US
[85] 2022-07-12
[86] 2021-01-16 (PCT/US2021/013776)
[87] (WO2021/146659)
[30] US (62/962,711) 2020-01-17
[30] US (63/049,063) 2020-07-07

[21] **3,167,722**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/686 (2018.01)**
[25] EN
[54] **REVERSE TRANSCRIPTION DURING TEMPLATE EMULSIFICATION**
[54] **TRANSCRIPTION INVERSE PENDANT UNE EMULSIFICATION A MODELISATION**
[72] FONTANEZ, KRISTINA, US
[72] MELTZER, ROBERT, US
[72] XUE, YI, US
[72] D'AMATO, CHRISTOPHER, US
[72] KIANI, SEPEHR, US
[71] FLUENT BIOSCIENCES INC., US
[85] 2022-07-13
[86] 2021-01-12 (PCT/US2021/013065)
[87] (WO2021/146183)
[30] US (62/960,283) 2020-01-13

[21] **3,167,723**
[13] A1
[51] **Int.Cl. C12N 5/02 (2006.01) C12N 5/071 (2010.01) C12N 5/074 (2010.01) C07K 14/50 (2006.01)**
[25] EN
[54] **CELL CULTURE MEDIUM COMPOSITION**
[54] **COMPOSITION DE MILIEU DE CULTURE CELLULAIRE**
[72] OGAWA, SHIMPEI, JP
[72] HIGUCHI, TAKUYA, JP
[72] FUROMITSU, SHUMPEI, JP
[72] ITO, KENICHIRO, JP
[72] NISHIYAMA, MEGUMI, JP
[71] AJINOMOTO CO., INC., JP
[85] 2022-07-13
[86] 2021-01-13 (PCT/JP2021/000744)
[87] (WO2021/145319)
[30] JP (2020-003958) 2020-01-14

[21] **3,167,725**
[13] A1
[51] **Int.Cl. C12N 15/00 (2006.01) C12Q 1/6869 (2018.01) C12Q 1/6874 (2018.01)**
[25] EN
[54] **SINGLE CELL SEQUENCING**
[54] **SEQUENCAGE MONOCELLULAIRE**
[72] FONTANEZ, KRISTINA, US
[72] MELTZER, ROBERT, US
[72] XUE, YI, US
[72] KIANI, SEPEHR, US
[71] FLUENT BIOSCIENCES INC., US
[85] 2022-07-13
[86] 2021-01-12 (PCT/US2021/013066)
[87] (WO2021/146184)
[30] US (62/960,454) 2020-01-13

[21] **3,167,727**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A61P 27/02 (2006.01) A61Q 1/02 (2006.01) C12N 15/79 (2006.01)**
[25] EN
[54] **CHANGING EYE COLOR BY GENE TRANSDUCTION**
[54] **MODIFICATION DE LA COULEUR DE L'□IL PAR TRANSDUCTION GENIQUE**
[72] HILL, JAMES W., US
[71] HILL, JAMES W., US
[85] 2022-07-12
[86] 2021-01-17 (PCT/US2021/013790)
[87] (WO2021/146668)
[30] US (62/962,063) 2020-01-16
[30] US (63/026,554) 2020-05-18
[30] US (17/150,999) 2021-01-15

[21] **3,167,728**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/074 (2010.01) C12N 5/02 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **CELL CULTURE METHOD**
[54] **PROCEDE DE CULTURE DE CELLULES**
[72] OGAWA, SHIMPEI, JP
[72] HIGUCHI, TAKUYA, JP
[72] FUROMITSU, SHUMPEI, JP
[72] NISHIYAMA, MEGUMI, JP
[72] KOSEKI, KOTOE, JP
[71] AJINOMOTO CO., INC., JP
[85] 2022-07-13
[86] 2021-01-13 (PCT/JP2021/000745)
[87] (WO2021/145320)
[30] JP (2020-003961) 2020-01-14
[30] JP (2020-096485) 2020-06-02

[21] **3,167,729**
[13] A1
[51] **Int.Cl. A61K 31/185 (2006.01) A61K 31/196 (2006.01) A61K 31/255 (2006.01)**
[25] EN
[54] **EMULSION BASED DRUG SCREENING**
[54] **CRIBLAGE DE MEDICAMENT PAR EMULSION**
[72] FONTANEZ, KRISTINA, US
[72] MELTZER, ROBERT, US
[72] XUE, YI, US
[72] KIANI, SEPEHR, US
[71] FLUENT BIOSCIENCES INC., US
[85] 2022-07-13
[86] 2021-01-12 (PCT/US2021/013069)
[87] (WO2021/146187)
[30] US (62/960,456) 2020-01-13

[21] **3,167,730**
[13] A1
[51] **Int.Cl. C08J 5/22 (2006.01) B01J 41/13 (2017.01) C08J 9/42 (2006.01)**
[25] EN
[54] **ANION-SOLVATING POLYMER MEMBRANES**
[54] **MEMBRANES POLYMERES DE SOLVATATION D'ANIONS**
[72] BAE, CHULSUNG, US
[72] KLINE, GREGORY, US
[71] RENSSELAER POLYTECHNIC INSTITUTE, US
[85] 2022-07-12
[86] 2021-01-22 (PCT/US2021/014759)
[87] (WO2021/150994)
[30] US (62/964,478) 2020-01-22

[21] **3,167,732**
[13] A1
[51] **Int.Cl. G01R 35/04 (2006.01) G01R 31/00 (2006.01) H02H 1/00 (2006.01)**
[25] EN
[54] **ARC DETECTION ANTENNA IN ELECTRIC METER SYSTEMS**
[54] **ANTENNE DE DETECTION D'ARC DANS DES SYSTEMES DE COMPTEUR ELECTRIQUE**
[72] BUSEKRUS, DOUG, US
[72] KRAUS, MATTHEW, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-07-12
[86] 2021-01-26 (PCT/US2021/015092)
[87] (WO2021/154728)
[30] US (16/776,833) 2020-01-30

[21] **3,167,733**
[13] A1
[51] **Int.Cl. C12N 5/074 (2010.01) C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/02 (2006.01)**
[25] EN
[54] **HIGH-DENSITY CELL CULTURE METHOD**
[54] **PROCEDE DE CULTURE DE CELLULES DE FORTE DENSITE**
[72] OGAWA, SHIMPEI, JP
[72] HIGUCHI, TAKUYA, JP
[72] FUROMITSU, SHUMPEI, JP
[72] NISHIYAMA, MEGUMI, JP
[71] AJINOMOTO CO., INC., JP
[85] 2022-07-13
[86] 2021-01-13 (PCT/JP2021/000746)
[87] (WO2021/145321)
[30] JP (2020-003959) 2020-01-14

[21] **3,167,736**
[13] A1
[51] **Int.Cl. G16Z 99/00 (2019.01) G06Q 50/16 (2012.01) E21B 43/00 (2006.01)**
[25] EN
[54] **DETERMINING A WELL OPERATOR LAND AREA**
[54] **DETERMINATION D'UNE ZONE DE TERRAIN D'OPERATEUR DE PUITS**
[72] KARDAM, AMIT, US
[72] OOMMEN, MELWYN, US
[71] ENVERUS, INC., US
[85] 2022-07-13
[86] 2021-01-13 (PCT/US2021/013265)
[87] (WO2021/146302)
[30] US (16/741,088) 2020-01-13

[21] **3,167,740**
[13] A1
[51] **Int.Cl. G01N 21/64 (2006.01) H01S 3/00 (2006.01) H01S 3/08 (2006.01) H01S 3/081 (2006.01) H01S 3/102 (2006.01) H01S 3/11 (2006.01) H01S 3/02 (2006.01) H01S 3/04 (2006.01) H01S 3/06 (2006.01) H01S 3/13 (2006.01) H01S 3/16 (2006.01)**
[25] EN
[54] **AMPLITUDE-MODULATED LASER**
[54] **LASER MODULE EN AMPLITUDE**
[72] BELLOS, MICHAEL, US
[72] GORYAYNOV, ALEXANDER, US
[72] SHI, XINGHUA, US
[72] AHMAD, FAISAL, R., US
[72] CIPRIANY, BENJAMIN, US
[71] QUANTUM-SI INCORPORATED, US
[85] 2022-07-13
[86] 2021-01-13 (PCT/US2021/013320)
[87] (WO2021/146346)
[30] US (62/961,179) 2020-01-14

[21] **3,167,741**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C12Q 1/6897 (2018.01) A61K 38/46 (2006.01) A61P 3/00 (2006.01) A61P 43/00 (2006.01) C12N 9/16 (2006.01) C12N 15/55 (2006.01) C12N 15/864 (2006.01) G01N 33/66 (2006.01)**
[25] EN
[54] **TREATMENT OF MUCOPOLYSACCHARIDOSIS II WITH RECOMBINANT HUMAN IDURONATE-2-SULFATASE (IDS) PRODUCED BY HUMAN NEURAL OR GLIAL CELLS**
[54] **TRAITEMENT DE LA MUCOPOLYSACCHARIDOSE II AVEC DE L'IDURONATE-2-SULFATASE (IDS) HUMAINE RECOMBINEE PRODUITE PAR DES CELLULES NEURALES OU GLIALES HUMAINES**
[72] PAKOLA, STEPHEN JOSEPH, US
[72] FALABELLA, PAULO, US
[72] NEVORET, MARIE-LAURE, US
[71] REGENXBIO INC., US
[85] 2022-07-12
[86] 2021-01-28 (PCT/US2021/015446)
[87] (WO2021/154963)
[30] US (62/967,494) 2020-01-29
[30] US (63/066,625) 2020-08-17
[30] US (63/088,305) 2020-10-06

[21] **3,167,743**
[13] A1
[51] **Int.Cl. A01C 21/00 (2006.01) A01N 41/04 (2006.01) A01N 43/40 (2006.01)**
[25] EN
[54] **HERBICIDE COMPOSITIONS COMPRISING DICAMBA MONOETHANOLAMINE SALT AND A PPO-INHIBITOR**
[54] **COMPOSITIONS HERBICIDES COMPRENANT UN SEL DE MONOETHANOLAMINE DE DICAMBA ET UN INHIBITEUR DE LA PPO**
[72] JIMOH, GANIYU, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2022-07-13
[86] 2021-01-14 (PCT/US2021/013461)
[87] (WO2021/146439)
[30] US (62/961,809) 2020-01-16
[30] EP (20157922.4) 2020-02-18

[21] **3,167,748**
[13] A1
[51] **Int.Cl. G06F 9/48 (2006.01) G06F 9/50 (2006.01) G06F 9/54 (2006.01)**
[25] EN
[54] **A RESOURCE MONITOR FOR MONITORING LONG-STANDING COMPUTING RESOURCES**
[54] **MONITEUR DE RESSOURCES DESTINE A SURVEILLER DES RESSOURCES INFORMATIQUES DURABLES**
[72] SCIARRINO, MICHAEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-07-13
[86] 2021-01-14 (PCT/US2021/013379)
[87] (WO2021/146384)
[30] US (16/742,660) 2020-01-14
[30] US (17/117,500) 2020-12-10

[21] **3,167,751**
[13] A1
[51] **Int.Cl. C07K 14/715 (2006.01) A61K 38/10 (2006.01) C07K 7/00 (2006.01) C07K 7/08 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **PEPTIDE INHIBITORS OF INTERLEUKIN-23 RECEPTOR AND THEIR USE TO TREAT INFLAMMATORY DISEASES**
[54] **INHIBITEURS PEPTIDIQUES DU RECEPTEUR DE L'INTERLEUKINE-23 ET LEUR UTILISATION POUR TRAITER DES MALADIES INFLAMMATOIRES**
[72] SUN, CHENGZAO, US
[72] FREDERICK, BRIAN TROY, US
[72] SOMANI, SANDEEP, US
[72] BOURNE, GREGORY THOMAS, US
[72] PATCH, RAYMOND, US
[72] BHANDARI, ASHOK, US
[72] INGENITO, RAFFAELE, IT
[72] COSTANTE, ROBERTO, IT
[72] BRANCA, DANILA, IT
[72] BIANCHI, ELISABETTA, IT
[71] JANSSEN BIOTECH, INC., US
[71] PROTAGONIST THERAPEUTICS, INC., US
[85] 2022-07-13
[86] 2021-01-14 (PCT/US2021/013463)
[87] (WO2021/146441)
[30] US (62/961,624) 2020-01-15

[21] **3,167,754**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 3/00 (2006.01) C12N 1/00 (2006.01) C12N 15/52 (2006.01) C12N 15/70 (2006.01)**
[25] EN
[54] **BACTERIA ENGINEERED TO TREAT DISORDERS IN WHICH OXALATE IS DETRIMENTAL**
[54] **BACTERIES MODIFIEES POUR TRAITER LES TROUBLES CAUSES PAR L'OXALATE**
[72] ISABELLA, VINCENT M., US
[72] LUBKOWICZ, DAVID, US
[72] JAMES, MICHAEL, US
[71] SYNLOGIC OPERATING COMPANY, INC., US
[85] 2022-07-13
[86] 2021-01-14 (PCT/US2021/013401)
[87] (WO2021/146397)
[30] US (62/960,950) 2020-01-14
[30] US (62/993,301) 2020-03-23
[30] US (63/028,902) 2020-05-22
[30] US (63/065,752) 2020-08-14
[30] US (63/089,758) 2020-10-09
[30] US (63/091,620) 2020-10-14
[30] US (63/111,376) 2020-11-09

[21] **3,167,757**
[13] A1
[51] **Int.Cl. A61L 27/40 (2006.01) A61K 35/32 (2015.01) A61L 27/36 (2006.01) C12N 5/071 (2010.01) C12N 5/073 (2010.01) C12N 5/077 (2010.01)**
[25] EN
[54] **MULTIPLE COMPONENT GRAFTS FOR TREATING TISSUE DEFECTS AND METHODS FOR MAKING AND USING SAME**
[54] **GREFFES A ELEMENTS MULTIPLES PERMETTANT LE TRAITEMENT DE DEFAUTS DE TISSU ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] LONG, MARC, US
[72] SEMLER, ERIC, US
[72] CITRO, MAT, US
[72] CHNARI, EVANGELIA, US
[71] MUSCULOSKELETAL TRANSPLANT FOUNDATION, US
[85] 2022-07-13
[86] 2021-01-14 (PCT/US2021/013464)
[87] (WO2021/146442)
[30] US (62/961,138) 2020-01-14

[21] **3,167,758**
[13] A1
[51] **Int.Cl. C12Q 1/6806 (2018.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01) C40B 40/06 (2006.01) C40B 50/00 (2006.01) C40B 70/00 (2006.01)**
[25] EN
[54] **METHODS OF SAMPLE NORMALIZATION**
[54] **PROCEDES DE NORMALISATION D'ECHANTILLON**
[72] BROWN, KEITH, US
[71] JUMPCODE GENOMICS, INC., US
[85] 2022-07-13
[86] 2021-01-15 (PCT/US2021/013701)
[87] (WO2021/146601)
[30] US (62/962,777) 2020-01-17
[30] US (63/016,116) 2020-04-27

[21] **3,167,762**
[13] A1
[51] **Int.Cl. A61D 17/00 (2006.01) A01K 11/00 (2006.01) A01K 13/00 (2006.01) A01K 21/00 (2006.01) A01K 29/00 (2006.01) A01K 67/00 (2006.01) A61D 1/08 (2006.01) A61D 19/00 (2006.01)**
[25] EN
[54] **REUSABLE ESTRUS DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION DE CHALEURS REUTILISABLE**
[72] RETTEDAL, NICHOLAS, US
[72] WEILNAU, STEPHEN M., US
[71] ST REPRODUCTIVE TECHNOLOGIES, LLC, US
[85] 2022-07-13
[86] 2021-01-19 (PCT/US2021/013895)
[87] (WO2021/150485)
[30] US (62/963,620) 2020-01-21

[21] **3,167,773**
[13] A1
[51] **Int.Cl. B01J 39/05 (2017.01) B01J 49/12 (2017.01) B01J 49/53 (2017.01) B01D 15/18 (2006.01) B01J 47/02 (2017.01) B01J 47/10 (2017.01) C01D 15/02 (2006.01) C01D 15/08 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **ION EXCHANGE SYSTEM AND METHOD FOR CONVERSION OF AQUEOUS LITHIUM SOLUTION**
[54] **SYSTEME D'ECHANGE D'IONS ET PROCEDE DE CONVERSION D'UNE SOLUTION AQUEUSE DE LITHIUM**
[72] BISHKIN, DAVID, US
[71] BL TECHNOLOGIES, INC., US
[85] 2022-07-13
[86] 2021-01-14 (PCT/US2021/013430)
[87] (WO2021/146417)
[30] US (62/962,595) 2020-01-17

[21] **3,167,776**
[13] A1
[51] **Int.Cl. G06Q 99/00 (2006.01)**
[25] EN
[54] **SERIALIZED ARTIFICIAL INSEMINATION STRAWS AND SYSTEMS AND METHODS OF AUTHENTICATION**
[54] **PAILLES D'INSEMINATION ARTIFICIELLE SERIALISEES, ET SYSTEMES ET PROCEDES D'AUTHENTIFICATION**
[72] GILLIGAN, THOMAS BOYD, US
[71] INGURAN, LLC, US
[85] 2022-07-13
[86] 2021-01-14 (PCT/US2021/013432)
[87] (WO2021/146419)
[30] US (62/962,704) 2020-01-17

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

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

[21] **3,166,471**
[13] A1
[25] EN
[54] **DISPLAY DEVICE USING MICROPILLARS AND METHOD THEREFOR**
[54]
[72] WILKINS, DONALD, US
[71] THE BOEING COMPANY, US
[22] 2014-01-08
[41] 2014-09-14
[62] 3,048,465
[30] US (13/804347) 2013-03-14

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[21] **3,167,093**
[13] A1
[25] EN
[54] **CRYSTALLINE FORM C OF 3-(IMIDAZO[1,2-B]PYRIDAZIN-3-YLETHYNYL)-4-METHYL-N-{4-[(4-METHYLPIPERAZIN-1-YL)METHYL)-3-(TRIFLUOROMETHYL)PHENYL} BENZAMIDE MONO HYDROCHLORIDE**
[54] **FORME CRISTALLINE C DU MONOCHLORHYDRATE DE BENZAMIDE A FONCTION 3-(IMIDAZO[1,2-B]PYRIDAZINE-3-YLETHYNYL)-4-METHYLE-N-{4-[(4-METHYLPIPERAZINE-1-YL)METHYLE)3(TRIFLUOROMETHYLE)PHENYLE}**
[72] MURRAY, CHRISTOPHER, K., US
[72] ROZAMUS, LEONARD, W., US
[72] CHABER, JOHN, J., US
[72] SHARMA, PRADEEP, US
[71] ARIAD PHARMACEUTICALS, INC., US
[22] 2013-05-09
[41] 2014-06-12
[62] 3,022,250
[30] US (61/736,543) 2012-12-12
[30] US (61/737,007) 2012-12-13
[30] US (61/788,208) 2013-03-15

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[21] **3,167,144**
[13] A1
[51] **Int.Cl. H04N 19/88 (2014.01)**
[25] EN
[54] **CONCEPT FOR PICTURE/VIDEO DATA STREAMS ALLOWING EFFICIENT REDUCIBILITY OR EFFICIENT RANDOM ACCESS**
[54] **CONCEPT POUR DES FLUX DE DONNEES IMAGES/VIDEO PERMETTANT UNE REDUCTION EFFICACE OU UN ACCES ALEATOIRE EFFICACE**
[72] SKUPIN, ROBERT, DE
[72] SANCHEZ, YAGO, DE
[72] SCHIERL, THOMAS, DE
[72] HELLGE, CORNELIUS, DE
[72] GRUENEBERG, KARSTEN, DE
[72] WIEGAND, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[22] 2017-02-08
[41] 2017-08-17
[62] 3,013,657
[30] EP (16154947.2) 2016-02-09

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[21] **3,167,160**
[13] A1
[51] **Int.Cl. B65D 51/16 (2006.01) B65D 17/28 (2006.01) B65D 53/02 (2006.01)**
[25] EN
[54] **METALLIC CAN END**
[54] **COUVERCLE DE BOITE METALLIQUE**
[72] PIECH, GREGOR ANTON, AT
[71] TOP CAP HOLDING GMBH, AT
[22] 2019-06-17
[41] 2019-12-26
[62] 3,102,899
[30] EP (18178561.9) 2018-06-19

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[21] **3,167,162**
[13] A1
[25] EN
[54] **MOBILE ELECTRONIC COMMUNICATIONS USING INTERNET PROTOCOL**
[54]
[72] TING, DEREK, CA
[72] LERNER, JONATHAN, US
[71] TEXTNOW, INC., CA
[22] 2015-06-23
[41] 2015-12-25
[62] 2,895,518
[30] US (14/314209) 2014-06-25

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[21] **3,167,164**
[13] A1
[51] **Int.Cl. B65D 51/16 (2006.01) B65D 17/28 (2006.01) B65D 53/02 (2006.01)**
[25] EN
[54] **METALLIC CAN END**
[54] **COUVERCLE DE BOITE METALLIQUE**
[72] PIECH, GREGOR ANTON, AT
[71] TOP CAP HOLDING GMBH, AT
[22] 2019-06-17
[41] 2019-12-26
[62] 3,102,899
[30] EP (18178561.9) 2018-06-19

[21] **3,167,165**
[13] A1
[51] **Int.Cl. F04B 53/10 (2006.01) E21B 43/12 (2006.01) F04B 47/12 (2006.01)**
[25] EN
[54] **UNIBODY BYPASS PLUNGER WITH CENTRALIZED HELIX AND CRIMPLE FEATURE**
[54] **PISTON DE DERIVATION MONOBLOC DOTE D'UNE FONCTIONNALITE D'HELICE ET DE RETENUE CENTRALISEE**
[72] BOYD, GARRETT S., US
[72] BOYD, MITCHELL A., US
[71] FLOWCO PRODUCTION SOLUTIONS, LLC, US
[22] 2016-02-19
[41] 2016-08-20
[62] 2,921,176
[30] US (62/118,575) 2015-02-20
[30] US (15/048,408) 2016-02-19

[21] **3,167,175**
[13] A1
[25] EN
[54] **ALCOHOLIC BEVERAGE MATURING DEVICE**
[54] **DISPOSITIF DE MATURATION DE BOISSON ALCOOLISEE**
[72] BAILEY, EDWARD, US
[72] LINDSAY, NORMA, US
[71] GREEN RIVER SPIRITS COMPANY, US
[22] 2016-10-11
[41] 2017-04-20
[62] 3,002,021
[30] US (14/885,605) 2015-10-16

[21] **3,167,186**
[13] A1
[51] **Int.Cl. A62C 13/66 (2006.01) A62C 13/74 (2006.01)**
[25] EN
[54] **FIRE EXTINGUISHER WITH INTERNAL MIXING AND GAS CARTRIDGE**
[54] **EXTINCTEUR D'INCENDIE A MELANGE INTERNE ET CARTOUCHE DE GAZ**
[72] ROUSSEAU, RANDY, US
[72] ROUSSEAU, HECTOR, US
[72] BARROWS, RYAN H., US
[72] SEYMOUR, JUSTUN C., US
[71] RUSOH, INC., US
[22] 2015-06-22
[41] 2015-12-30
[62] 2,952,648
[30] US (14/313,761) 2014-06-24
[30] US (14/704,820) 2015-05-05

[21] **3,167,188**
[13] A1
[51] **Int.Cl. G01N 21/95 (2006.01) B09B 5/00 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETECTING CRACKS IN ILLUMINATED ELECTRONIC DEVICE SCREENS**
[54] **PROCEDES ET SYSTEMES DE DETECTION DE FISSURES DANS DES ECRANS DE DISPOSITIF ELECTRONIQUE ECLAIRE**
[72] FORUTANPOUR, BABAK, US
[72] PLOETNER, JEFFREY, US
[71] ECOATM, LLC, US
[22] 2017-06-28
[41] 2018-01-04
[62] 3,029,269
[30] US (15/195,828) 2016-06-28

[21] **3,167,193**
[13] A1
[51] **Int.Cl. A61K 31/7048 (2006.01) A61K 31/351 (2006.01) A61K 31/381 (2006.01) A61K 31/382 (2006.01) A61K 31/70 (2006.01) A61K 31/7042 (2006.01) A61K 31/7056 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **TREATMENT OF METABOLIC DISORDERS IN FELINE ANIMALS**
[54] **TRAITEMENT DE TROUBLES METABOLIQUES CHEZ LES FELINS**
[72] REICHE, DANIA BIRTE, DE
[72] HAAG-DIERGARTEN, SILKE, DE
[72] HENNINGS, LEAH JEANETTE, US
[72] KLEY, SASKIA, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[22] 2014-12-15
[41] 2015-06-25
[62] 2,930,034
[30] EP (13197821.5) 2013-12-17
[30] EP (14187228.3) 2014-10-01

[21] **3,167,205**
[13] A1
[25] EN
[54] **HUMAN MILK OLIGOSACCHARIDES TO PROMOTE GROWTH OF BENEFICIAL BACTERIA**
[54] **OLIGOSACCHARIDES DE LAIT HUMAIN POUR FAVORISER LA CROISSANCE DE BACTERIES BENEFIQUES**
[72] BUCK, RACHAEL, US
[72] CHOW, JOMAY, US
[72] DAVIS, STEVEN R., US
[71] ABBOTT LABORATORIES, US
[22] 2011-12-22
[41] 2012-07-05
[62] 2,822,500
[30] US (61/428,867) 2010-12-31
[30] US (61/474,691) 2011-04-12

[21] **3,167,279**
[13] A1
[51] **Int.Cl. C25C 7/08 (2006.01) C25C 5/00 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEMS AND METHODS FOR HIGH EFFICIENCY METAL PARTICLE REGENERATION**
[54] **APPAREIL, SYSTEMES ET PROCEDES DE REGENERATION DE PARTICULES METALLIQUES A HAUT RENDEMENT**
[72] FAN, SIMON, CA
[72] SLOAN, TRISTAN, CA
[72] BRUCE, DAVID ROBERT, CA
[72] MCLEOD, JOHN, CA
[71] ZINC8 ENERGY SOLUTIONS INC., CA
[22] 2017-09-19
[41] 2018-03-29
[62] 3,036,285
[30] US (62/399,254) 2016-09-23

[21] **3,167,280**
[13] A1
[25] EN
[54] **RADIO ACCESS NETWORKS**
[54] **RESEAUX D'ACCES RADIO**
[72] BARABELL, ARTHUR J., US
[72] EYUBOGLU, VEDAT, US
[72] MAHALINGAM, NAGI JAYARAMAN, US
[72] RAGHOTHAMAN, BALAJI, US
[72] SANDBERG, STUART, US
[72] AHMADI, SASSAN, US
[71] AIRVANA LP, US
[22] 2015-06-09
[41] 2015-12-17
[62] 2,951,548
[30] US (62/009,653) 2014-06-09
[30] US (62/051,212) 2014-09-16

[21] **3,167,284**
[13] A1
[25] EN
[54] **RADIO ACCESS NETWORKS**
[54] **RESEAUX D'ACCES RADIO**
[72] BARABELL, ARTHUR J., US
[72] EYUBOGLU, VEDAT, US
[72] MAHALINGAM, NAGI JAYARAMAN, US
[72] RAGHOTHAMAN, BALAJI, US
[72] SANDBERG, STUART, US
[72] AHMADI, SASSAN, US
[71] AIRVANA LP, US
[22] 2015-06-09
[41] 2015-12-17
[62] 2,951,548
[30] US (62/009,653) 2014-06-09
[30] US (62/051,212) 2014-09-16

[21] **3,167,294**
[13] A1
[25] EN
[54] **MONO-, DI- OR POLYSACCHARIDE USED AS METAL INHIBITOR IN THE PREPARATION OF 68GA-CHELATE-FUNCTIONALIZED TARGETING AGENT**
[54] **MONO-, DI- OU POLYSACCHARIDE UTILISE COMME INHIBITEUR METALLIQUE DANS LAPREPARATION D'AGENTS CIBLES FONCTIONNALISES DU CHELATE 68GA**
[72] WOUTERS, LUDOVIC, BE
[72] KAISIN, GEOFFROY, BE
[72] LUXEN, ANDRE, BE
[72] LEONARD, MARC, BE
[72] VOCCIA, SAMUEL, BE
[71] TELIX INNOVATIONS S.A., BE
[22] 2015-07-28
[41] 2016-03-03
[62] 2,958,475
[30] BE (2014/0653) 2014-08-29

[21] **3,167,320**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 8/34 (2006.01) A61P 17/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **RESORCINOL COMPOUNDS FOR DERMATOLOGICAL USE**
[54] **COMPOSES RESORCINOLS POUR UN USAGE DERMATOLOGIQUE**
[72] HINMAN, ANDREW W., US
[72] DAVIS, DANA, US
[72] KHEIFETS, VIKTORIA, US
[71] UNILEVER GLOBAL IP LIMITED, GB
[22] 2014-03-06
[41] 2014-09-12
[62] 2,902,506
[30] US (61/775,384) 2013-03-08

[21] **3,167,330**
[13] A1
[25] EN
[54] **DYNAMIC RECLAMATION OF RESOURCES RESERVED FOR FORWARD COMPATIBILITY**
[54] **RECUPERATION DYNAMIQUE DE RESSOURCES RESERVEES POUR UNE COMPATIBILITE ASCENDANTE**
[72] NAM, WOOSEOK, US
[72] LUO, TAO, US
[72] AKKARAKARAN, SONY, US
[72] JOHN WILSON, MAKESH PRAVIN, US
[72] NAGARAJA, SUMEETH, US
[72] CHAKRABORTY, KAUSHIK, US
[72] CHEN, SHENGBO, US
[72] WANG, XIAO FENG, US
[71] QUALCOMM INCORPORATED, US
[22] 2018-06-22
[41] 2019-01-03
[62] 3,064,289
[30] US (62/527,016) 2017-06-29
[30] US (16/014,689) 2018-06-21

[21] **3,167,426**
[13] A1
[51] **Int.Cl. B60R 9/00 (2006.01) B60F 5/00 (2006.01)**
[25] EN
[54] **SIDE BY SIDE ALL TERRAIN VEHICLE**
[54] **VEHICULE TOUT-TERRAIN A SIEGES COTE A COTE**
[72] KINSMAN, ANTHONY J., US
[72] MORISON, ANGUS M., US
[72] HOLLMAN, KEITH A., US
[72] SCHLANGEN, ADAM J., US
[72] PETERSON, SHAWN D., US
[72] RIPLEY, RICHARD D., US
[72] ERSPAMER, BRENT A., US
[71] POLARIS INDUSTRIES INC., US
[22] 2012-02-10
[41] 2012-08-16
[62] 3,060,047
[30] US (61/442071) 2011-02-11
[30] US (13/370139) 2012-02-09

[21] **3,167,430**
[13] A1
[51] **Int.Cl. B60R 9/00 (2006.01) B60F 5/00 (2006.01)**
[25] EN
[54] **SIDE BY SIDE ALL TERRAIN VEHICLE**
[54] **VEHICULE TOUT-TERRAIN A SIEGES COTE A COTE**
[72] KINSMAN, ANTHONY J., US
[72] MORISON, ANGUS M., US
[72] HOLLMAN, KEITH A., US
[72] SCHLANGEN, ADAM J., US
[72] PETERSON, SHAWN D., US
[72] RIPLEY, RICHARD D., US
[72] ERSPAMER, BRENT A., US
[72] SCHIEBEL, STEVEN M., US
[71] POLARIS INDUSTRIES INC., US
[22] 2012-02-10
[41] 2012-08-16
[62] 3,060,047
[30] US (61/442071) 2011-02-11
[30] US (13/370139) 2012-02-09

[21] **3,167,432**
[13] A1
[51] **Int.Cl. C23C 30/00 (2006.01) C22C 19/05 (2006.01) C22C 27/06 (2006.01) C22C 30/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/44 (2006.01) C22C 38/58 (2006.01)**
[25] EN
[54] **CAST PRODUCT HAVING ALUMINA BARRIER LAYER**
[54] **PRODUIT DE FONDERIE AYANT UNE COUCHE BARRIERE EN ALUMINE**
[72] HASHIMOTO, KUNIHIDE, JP
[72] URAMARU, SHINICHI, JP
[71] KUBOTA CORPORATION, JP
[22] 2014-12-17
[41] 2015-10-01
[62] 2,940,179
[30] JP (2014-067836) 2014-03-28

[21] **3,167,439**
[13] A1
[25] EN
[54] **TRANSMITTING APPARATUS AND INTERLEAVING METHOD THEREOF**
[54] **APPAREIL EMETTEUR ET SON PROCEDE D'ENTRELACEMENT**
[72] MYUNG, SE-HO, KR
[72] KIM, KYUNG-JOONG, KR
[72] JEONG, HONG-SIL, KR
[72] LOBETE, ANSORREGUI DANIEL, GB
[72] MOUHOUCHE, BELKACEM, GB
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2015-05-21
[41] 2015-11-26
[62] 3,027,221
[30] US (62/001,160) 2014-05-21
[30] KR (10-2015-0069924) 2015-05-19

[21] **3,167,450**
[13] A1
[25] EN
[54] **DYNAMIC RECLAMATION OF RESOURCES RESERVED FOR FORWARD COMPATIBILITY**
[54] **RECUPERATION DYNAMIQUE DE RESSOURCES RESERVEES POUR UNE COMPATIBILITE ASCENDANTE**
[72] NAM, WOOSEOK, US
[72] LU, TAO, US
[72] AKKARAKARAN, SONY, US
[72] JOHN WILSON, MAKESH PRAVIN, US
[72] NAGARAJA, SUMEETH, US
[72] CHAKRABORTY, KAUSHIK, US
[72] CHEN, SHENGBO, US
[72] WANG, XIAO FENG, US
[71] QUALCOMM INCORPORATED, US
[22] 2018-06-22
[41] 2019-01-03
[62] 3,064,289
[30] US (62/527,016) 2017-06-29
[30] US (16/014,689) 2018-06-21

[21] **3,167,451**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C12N 5/078 (2010.01) A61K 38/08 (2019.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 7/06 (2006.01) C07K 16/18 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **CDC45L PEPTIDES AND VACCINES INCLUDING THE SAME**
[54] **PEPTIDES CDC45L ET VACCINS COMPRENANT CEUX-CI**
[72] NISHIMURA, YASUHARU, JP
[72] TOMITA, YUSUKE, JP
[72] NAKAMURA, YUSUKE, JP
[72] TSUNODA, TAKUYA, JP
[71] ONCOTHERAPY SCIENCE, INC., JP
[22] 2010-05-25
[41] 2010-12-02
[62] 3,011,607
[30] US (61/217,133) 2009-05-26

[21] **3,167,477**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/30 (2012.01) G06F 3/0481 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING A TRANSPORTATION PLAN**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE GERER UN PLAN DE TRANSPORT**
[72] MOHR, DOUGLAS K., US
[72] CELMER, ANTHONY MICHAEL, US
[72] MCGOWAN, KRISTINA M., US
[72] WARE, KEITH ALAN, US
[72] MURPHY, JAMES, US
[72] CHENG, CHI-YIN, US
[72] MITCHELL, LEE ANTHONY, US
[72] MYERS, JESSICA, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[22] 2016-10-12
[41] 2017-08-10
[62] 3,010,586
[30] US (15/017,038) 2016-02-05
[30] US (15/017,050) 2016-02-05
[30] US (15/016,889) 2016-02-05

[21] **3,167,484**
[13] A1
[25] EN
[54] **TRACE ELEMENT SOLUTION**
[54] **SOLUTION A BASE D'OLIGO-ELEMENTS**
[72] SMITH, WILLIAM A., IE
[71] WARBURTON TECHNOLOGY LIMITED, IE
[22] 2015-10-09
[41] 2017-04-13
[62] 3,001,104

[21] **3,167,505**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR RENEWABLE FUEL**
[54] **SYSTEMES ET PROCEDES POUR DU CARBURANT RENOUVELABLE**
[72] FREEL, BARRY A., CA
[72] GRAHAM, ROBERT G, CA
[71] ENSYN RENEWABLES, INC., US
[22] 2012-12-11
[41] 2013-06-20
[62] 3,077,789
[30] US (61/569,712) 2011-12-12
[30] US (61/646,152) 2012-05-11
[30] US (61/673,683) 2012-07-19
[30] US (13/709,822) 2012-12-10

[21] **3,167,509**
[13] A1
[25] EN
[54] **ANTI-JAMMING AND REDUCED INTERFERENCE GLOBAL POSITIONING SYSTEM RECEIVER METHODS AND DEVICES**
[54] **METHODES ET DISPOSITIFS DE RECEPTEUR DE SYSTEME DE POSITIONNEMENT MONDIAL ANTIBROUILLAGE A INTERFERENCE REDUITE**
[72] PANTHER, GYLES, CA
[72] HAUTCOEUR, JULIEN, CA
[71] TALLYSMAN WIRELESS INC., CA
[22] 2019-04-01
[41] 2019-09-30
[62] 3,038,622
[30] US (62/650,535) 2018-03-30

[21] **3,167,515**
[13] A1
[51] **Int.Cl. E04B 1/343 (2006.01) B65D 88/02 (2006.01) B65D 90/00 (2006.01) E04B 1/348 (2006.01) E04H 1/02 (2006.01)**
[25] EN
[54] **MODULAR BUILDING**
[54] **CONSTRUCTION MODULAIRE**
[72] UNGER, SUSAN, AU
[71] 1 SPACE PTY LTD, AU
[22] 2013-07-11
[41] 2014-01-16
[62] 3,088,885
[30] AU (2012902966) 2012-07-11
[30] AU (2013900029) 2013-01-04
[30] AU (2013900027) 2013-01-04
[30] AU (2013900962) 2013-03-19
[30] AU (2013201852) 2013-03-24
[30] AU (2013100359) 2013-03-24

[21] **3,167,526**
[13] A1
[25] EN
[54] **A MICROFLUIDIC DETECTION SYSTEM AND A MICROFLUIDIC CARTRIDGE**
[54] **SYSTEME DE DETECTION MICRO-FLUIDIQUE, ET CARTOUCHE MICRO-FLUIDIQUE**
[72] BAU-MADSEN, NIELS KRISTIAN, DK
[72] NIELSEN, LARS BUE, DK
[72] HELLER, MARTIN, DK
[72] KRING, OLE, DK
[72] ORDEIG, OLGA, DK
[72] OVERBY, BENT, DK
[71] ZOETIS DENMARK APS, DK
[22] 2015-06-15
[41] 2015-12-23
[62] 2,951,959
[30] DK (PA 2014 70363) 2014-06-18

[21] **3,167,537**
[13] A1
[25] EN
[54] **ELECTRIC MOTOR**
[54] **MOTEUR ELECTRIQUE**
[72] MOORE, WILLIAM D., US
[72] JOHNSON, PHILIP S., US
[72] BIRO, JOSHUA M., US
[72] MICHAELS, PAUL G., US
[72] RASSOOLKHANI, PAYMAN, US
[71] NIDEC MOTOR CORPORATION, US
[22] 2016-02-18
[41] 2016-08-25
[62] 2,976,779
[30] US (62/117,810) 2015-02-18
[30] US (62/153,985) 2015-04-28
[30] US (62/206,109) 2015-08-17

[21] **3,167,574**
[13] A1
[51] **Int.Cl. F24T 10/20 (2018.01)**
[25] EN
[54] **METHOD FOR THERMAL PROFILE CONTROL AND ENERGY RECOVERY IN GEOTHERMAL WELLS**
[54] **METHODE DE CONTROLE DU PROFIL THERMIQUE ET DE RECUPERATION D`ENERGIE DANS LES PUITS GEOTHERMIQUES**
[72] CAIRNS, PAUL, CA
[72] TOEWS, MATTHEW, CA
[72] REDFERN, JOHN, CA
[71] EAVOR TECHNOLOGIES INC., CA
[22] 2019-07-22
[41] 2020-02-12
[62] 3,050,274
[30] US (62717849) 2018-08-12

[21] **3,167,580**
[13] A1
[51] **Int.Cl. E02F 3/60 (2006.01) E21C 27/30 (2006.01)**
[25] EN
[54] **DIPPER DOOR TRIP ASSEMBLY**
[54] **ENSEMBLE DE DECLENCHEMENT DE PORTE DE BENNE**
[72] GROSS, MATTHEW L., US
[72] NICOSON, RICHARD L., US
[71] JOY GLOBAL SURFACE MINING INC, US
[22] 2014-12-04
[41] 2015-06-06
[62] 2,873,325
[30] US (61/912,963) 2013-12-06

[21] **3,167,585**
[13] A1
[25] EN
[54] **TRANSMITTING APPARATUS AND MODULATION METHOD THEREOF**
[54] **APPAREIL DE TRANSMISSION ET SON PROCEDE DE MODULATION**
[72] MYUNG, SE-HO, KR
[72] MOUHOUCHE, BELKACEM, KR
[72] LOBETE, ANSORREGUI DANIEL, KR
[72] KIM, KYUNG-JOONG, KR
[72] JEONG, HONG-SIL, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2015-02-05
[41] 2015-08-13
[62] 2,938,822
[30] US (61/936,029) 2014-02-05
[30] US (61/945,868) 2014-02-28
[30] KR (10-2015-0017971) 2015-02-05

[21] **3,167,595**
[13] A1
[25] EN
[54] **HPV EPITOPES TARGETED BY T CELLS INFILTRATING CERVICAL MALIGNANCIES FOR USE IN VACCINES**
[54] **EPITOPES DU PAPILLOMAVIRUS HUMAIN CIBLES PAR DES LYMPHOCYTES T INFILTRANT DES TUMEURS CERVICALES MALIGNES POUR UTILISATION EN TANT QUE VACCINS**
[72] VAN DER BURG, SJOERD HENRICUS, NL
[72] KENTER, GEMMA G., NL
[72] MELIEF, CORNELIS JOHANNES MARIA, NL
[71] ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC, NL
[22] 2008-05-27
[41] 2008-12-04
[62] 3,016,942
[30] US (60/941,070) 2007-05-31
[30] EP (07109287.8) 2007-05-31
[30] EP (07109281.1) 2007-05-31

[21] **3,167,615**
[13] A1
[51] **Int.Cl. F24F 13/22 (2006.01) F24F 1/36 (2011.01)**
[25] EN
[54] **DRAINAGE TRAY FOR A HEAT PUMP**
[54] **BAC DE DRAINAGE POUR POMPE A CHALEUR**
[72] ANDERSSON, MATS, SE
[71] CLIMACO HOLDING AB, SE
[22] 2016-09-15
[41] 2017-03-23
[62] 2,998,847
[30] SE (1551178-5) 2015-09-15

[21] **3,167,639**
[13] A1
[25] EN
[54] **CRIMP TOOL HAVING ADJUSTABLE CAM**
[54] **OUTIL DE SERTISSAGE COMPORTANT UNE CAME AJUSTABLE**
[72] SULLIVAN, ROBERT W., US
[72] WANG, KUAN YU, US
[72] HUNG, WEN-LUNG, US
[71] SULLSTAR TECHNOLOGIES, INC., US
[22] 2017-12-11
[41] 2018-07-13
[62] 3,080,862
[30] CN (106101313) 2017-01-13

[21] **3,167,641**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE MANUFACTURING OF MEDICAMENTS**
[54] **PROCEDE DE FABRICATION DE MEDICAMENTS**
[72] LIN, JINGUANG, CN
[72] CHESTAKOVA, ALEXANDRA, US
[72] GU, WEI, CN
[72] IDING, HANS, CH
[72] LI, JING, CN
[72] LINGHU, XIN, US
[72] MEIER, PATRIK, CH
[72] SHA, CHUNBO, CN
[72] STULTS, JEFFREY, US
[72] WANG, YOUCHU, CN
[72] ZHANG, HAIMING, US
[72] ZHANG, JIANQIAN, CN
[72] ZHANG, TAO, CN
[71] GENENTECH, INC., US
[22] 2015-04-08
[41] 2015-10-15
[62] 2,945,098
[30] CN (PCT/CN2014/075011) 2014-04-09

[21] **3,167,644**
[13] A1
[25] EN
[54] **TERIPARATIDE-CONTAINING LIQUID PHARMACEUTICAL COMPOSITION HAVING EXCELLENT PHARMACOKINETICS AND/OR SAFETY**
[54] **COMPOSITION PHARMACEUTIQUE LIQUIDE CONTENANT DE LA TERIPARATIDE PRESENTANT D'EXCELLENTES PROPRIETES PHARMACOCINETIQUES ET/OU D'INNOCUITE**
[72] MIYABE, KOHEI, JP
[72] OSE, ATSUSHI, JP
[72] SATO, YUKI, JP
[72] KODAMA, TOSHIYUKI, JP
[72] MATSUNAWA, YASUHIRO, JP
[72] YAMAMOTO, HIKARU, JP
[71] ASAHI KASEI PHARMA CORPORATION, JP
[22] 2018-09-20
[41] 2019-03-28
[62] 3,075,984
[30] JP (2017-182615) 2017-09-22

[21] **3,167,660**
[13] A1
[25] EN
[54] **CLEANING METHOD FOR JET ENGINE**
[54] **PROCEDE DE NETTOYAGE POUR MOTEUR A REACTION**
[72] SAENZ, JORGE IVAN, US
[71] AEROCORE TECHNOLOGIES LLC, US
[22] 2014-10-02
[41] 2015-04-09
[62] 2,963,071
[30] US (61/885,777) 2013-10-02
[30] US (61/900,749) 2013-11-06

[21] **3,167,661**
[13] A1
[25] EN
[54] **EYEWEAR DOCKING STATION AND ELECTRONIC MODULE**
[54] **STATION D'ACCUEIL DE LUNETTES ET MODULE ELECTRONIQUE**
[72] BLUM, RONALD, US
[72] WANG, YONGPING, US
[72] GRAHAM, MARK, US
[72] KOKONASKI, WILLIAM, US
[72] CLOMPUS, RICHARD, US
[71] E-VISION SMART OPTICS INC., US
[22] 2013-01-07
[41] 2013-07-11
[62] 2,861,829
[30] US (61/583,940) 2012-01-06
[30] US (61/622,092) 2012-04-10
[30] US (61/638,150) 2012-04-25
[30] US (61/640,425) 2012-04-30

[21] **3,167,663**
[13] A1
[51] **Int.Cl. A61M 39/06 (2006.01) A61F 2/00 (2006.01) A61F 2/24 (2006.01) A61M 25/00 (2006.01) A61M 39/02 (2006.01)**
[25] EN
[54] **INTRAVASCULAR INTRODUCER DEVICES**
[54] **DISPOSITIFS DE PENETRATION INTRAVASCULAIRE**
[72] GRAY, BRIAN C., US
[72] LE, TUNG T., US
[72] OIEN, ANDREW, US
[72] TRAN, SONNY, US
[72] LE, THANH HUY, US
[72] BOWES, ROBERT, US
[72] SARAVIA, MARIA L., US
[72] TRINH, UY D., US
[72] RAFI, HAMID, US
[72] FROIMOVICH ROSENBERG, ALEJANDRO J., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[22] 2015-04-27
[41] 2015-10-28
[62] 2,910,863
[30] US (61/985,330) 2014-04-28
[30] US (14/695,607) 2015-04-24

[21] **3,167,665**
[13] A1
[25] EN
[54] **PEGYLATED TETANUS NEUROTOXINS AND TREATMENT OF HYPOTONIA**
[54] **NEUROTOXINES TETANIQUES PEGYLEES ET TRAITEMENT DE L'HYPOTONIE**
[72] MCLEAN, THOMAS, AU
[72] SMOOKER, PETER, AU
[72] NORBURY, LUKE, AU
[72] COLOE, PETER, AU
[72] CONDUIT, RUSSELL, AU
[72] SASSE, ANTHONY, AU
[71] SNORETOX PTY LTD, AU
[22] 2019-07-30
[41] 2020-02-06
[62] 3,108,079
[30] AU (2018902779) 2018-07-31

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