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. 149 No. 49 December 7, 2021 Vol. 149 No. 49 le 7 décembre 2021

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.

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

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

Table of Contents
Table des matières

Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **295 $**

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

On this page:

14. Procédures de correspondance

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

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

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

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

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

Sur cette page :

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

Copyright

Droits d'auteur

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of December 7, 2021 contains applications open to public inspection from November 21, 2021 to November 27, 2021.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 7 décembre 2021 contient les demandes disponibles au public pour consultation pour la période du 21 novembre 2021 au 27 novembre 2021.

16. Erratum

All information respecting patent application number 3,113,734 referred to under the section *Canadian Applications Open to Public Inspection* contained in the Vol. 149 No. 41 October 12 2021 issue of the *Canadian Patent Office Record* was erroneously published, and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3, 113, 734 sous la rubrique *Demandes canadiennes mises a la disponibilité* du publique dans le Vol. 149 No. 41 12 octobre 2021 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

December 7, 2021

Brevets canadiens délivrés

7 décembre 2021

---

[11] **2,618,245**
[13] C
[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING DISPLAY OF MARKET DATA IN AN ELECTRONIC TRADING SYSTEM**
[54] **SYSTEME ET METHODE PERMETTANT DE GERER L'AFFICHAGE DES DONNEES DU MARCHE D'UN SYSTEME DE NEGOCIATION ELECTRONIQUE**
[72] BARTKO, PETER, US
[72] CAPUANO, JOHN ROBERT, US
[72] FIELD, MICHAEL, US
[72] GREGSON, FREDERICK T., US
[72] WESTON, BRIAN ALEXANDER, US
[73] BGC PARTNERS, L.P., US
[86] (2618245)
[87] (2618245)
[22] 2008-01-03
[30] US (11/623,733) 2007-01-16

---

[11] **2,625,206**
[13] C
[51] **Int.Cl. A61K 38/08 (2019.01) A61P 27/02 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 19/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **COMPSTATIN AND ANALOGS THEREOF FOR EYE DISORDERS**
[54] **COMPSTATINE ET ANALOGUES DE CELLE-CI POUR DES TROUBLES DE LA VUE**
[72] DESCHATELETS, PASCAL, US
[72] OLSON, PAUL, US
[72] FRANCOIS, CEDRIC, US
[73] APELLIS PHARMACEUTICALS, INC., US
[85] 2008-04-07
[86] 2006-10-06 (PCT/US2006/039397)
[87] (WO2007/044668)
[30] US (60/725,484) 2005-10-08
[30] US (60/726,447) 2005-10-12
[30] US (60/760,974) 2006-01-19

---

[11] **2,732,337**
[13] C
[51] **Int.Cl. A23J 3/14 (2006.01) A23K 10/30 (2016.01) A23L 33/185 (2016.01) A23J 1/14 (2006.01) C07K 1/14 (2006.01) C07K 14/415 (2006.01)**
[25] EN
[54] **PRODUCTION OF CANOLA PROTEIN ISOLATE WITHOUT HEAT TREATMENT ("C200CA")**
[54] **PRODUCTION D'ISOLAT DE PROTEINES DE CANOLA SANS TRAITEMENT THERMIQUE**
[72] SEGALL, KEVIN I., CA
[72] GREEN, BRENT E., CA
[72] SCHWEIZER, MARTIN, CA
[73] BURCON NUTRASCIENCE (MB) CORP., CA
[85] 2011-01-27
[86] 2009-08-18 (PCT/CA2009/001147)
[87] (WO2010/020038)
[30] US (61/136,193) 2008-08-18

---

[11] **2,759,883**
[13] C
[51] **Int.Cl. C07D 407/12 (2006.01) A61K 31/37 (2006.01) A61K 31/381 (2006.01) A61K 31/4184 (2006.01) A61K 31/428 (2006.01) A61K 31/52 (2006.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) C07D 307/80 (2006.01) C07D 311/16 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 409/12 (2006.01) C07D 417/12 (2006.01) C07D 473/38 (2006.01) C07D 487/04 (2006.01) C07D 491/22 (2006.01) C07F 9/655 (2006.01) C12Q 1/26 (2006.01) C40B 30/08 (2006.01) G01N 33/58 (2006.01) C12N 9/10 (2006.01)**
[25] EN
[54] **TREATMENT OR PROPHYLAXIS OF PROLIFERATIVE CONDITIONS**
[54] **TRAITEMENT OU PROPHYLAXIE D'ETATS PROLIFERATIFS**
[72] EVERETT, STEVEN ALBERT, US
[72] ULHAQ, SARAJ, GB
[73] UNIVERSITY COURT OF THE UNIVERSITY OF DUNDEE, GB
[85] 2011-10-25
[86] 2010-04-30 (PCT/GB2010/000860)
[87] (WO2010/125350)
[30] US (61/174,884) 2009-05-01
[30] GB (0907551.6) 2009-05-01

---

[11] **2,760,863**
[13] C
[51] **Int.Cl. H04W 48/16 (2009.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR USE IN A CELLULAR COMMUNICATION NETWORK**
[54] **SYSTEME ET PROCEDE DESTINES A UN USAGE DANS UN RESEAU DE COMMUNICATION CELLULAIRE**
[72] VRATSKIDES, ALEXIOS, GB
[73] VRATSKIDES, ALEXIOS, GB
[85] 2011-11-03
[86] 2010-05-10 (PCT/GB2010/000949)
[87] (WO2010/128315)
[30] GB (PCT/GB2009/001151) 2009-05-08

[11] **2,766,232**
[13] C
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/15 (2006.01) A61B 5/151 (2006.01) A61B 5/157 (2006.01) A61M 5/158 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE INSERTERS AND PROCESSES OF INSERTING AND USING MEDICAL DEVICES**
[54] **APPAREILS D'INSERTION DE DISPOSITIFS MEDICAUX ET PROCEDES D'INSERTION ET D'UTILISATION DE DISPOSITIFS MEDICAUX**
[72] DONNAY, MANUEL L., US
[72] NGUYEN, TUAN, US
[72] PACE, LOUIS G., US
[72] ROBINSON, PETER G., US
[73] ABBOTT DIABETES CARE INC., US
[85] 2011-12-21
[86] 2011-03-24 (PCT/US2011/029881)
[87] (WO2011/119896)
[30] US (61/317,243) 2010-03-24
[30] US (61/345,562) 2010-05-17
[30] US (61/361,374) 2010-07-02
[30] US (61/411,262) 2010-11-08

[11] **2,797,746**
[13] C
[51] **Int.Cl. A61L 27/04 (2006.01) A61B 17/58 (2006.01) A61B 18/00 (2006.01) A61F 2/02 (2006.01) A61F 2/36 (2006.01) A61L 31/02 (2006.01) B22F 3/10 (2006.01) B22F 5/00 (2006.01)**
[25] EN
[54] **A METHOD FOR CO-PROCESSING COMPONENTS IN A METAL INJECTION MOLDING PROCESS, AND COMPONENTS MADE VIA THE SAME**
[54] **PROCEDE DE CO-TRAITEMENT DE COMPOSANTS DANS UN PROCEDE DE MOULAGE PAR INJECTION DE METAL, ET COMPOSANTS PRODUITS PAR CELUI-CI**
[72] JULIEN, BENOIT, CA
[72] BOISCLAIR, MATHIEU, CA
[72] MOURSKI, ALEXEI, CA
[73] HOWMEDICA OSTEONICS CORP., US
[85] 2012-10-29
[86] 2010-04-29 (PCT/CA2010/000689)
[87] (WO2010/124398)
[30] US (61/173,708) 2009-04-29

[11] **2,798,539**
[13] C
[51] **Int.Cl. G21C 3/08 (2006.01) G21C 3/322 (2006.01) G21C 3/326 (2006.01) G21C 3/60 (2006.01) G21C 3/64 (2006.01) G21C 21/10 (2006.01) G21C 3/06 (2006.01)**
[25] EN
[54] **FUEL ASSEMBLY**
[54] **ENSEMBLE COMBUSTIBLE**
[72] BASHKIRTSEV, SERGEY MIKHAILOVICH, RU
[72] KUZNETSOV, VALENTIN FEDOROVICH, RU
[72] KEVROLEV, VALERY VLADIMIROVICH, RU
[72] MOROZOV, ALEXEY GLEBOVICH, RU
[72] MONTGOMERY, MICHAEL H., US
[73] THORIUM POWER, INC., US
[85] 2012-11-05
[86] 2011-05-11 (PCT/US2011/036034)
[87] (WO2011/143293)
[30] US (61/333,467) 2010-05-11
[30] US (61/393,499) 2010-10-15
[30] US (61/444,990) 2011-02-21

[11] **2,806,233**
[13] C
[51] **Int.Cl. C12N 5/10 (2006.01) A01K 67/027 (2006.01) C12N 15/00 (2006.01) C12N 15/13 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **TRANSGENIC ANIMALS AND METHODS OF USE**
[54] **ANIMAUX TRANSGENIQUES ET METHODES D'UTILISATION**
[72] WABL, MATTHIAS, US
[72] KILLEEN, NIGEL, US
[73] TRIANNI, INC., US
[85] 2013-01-21
[86] 2011-07-26 (PCT/US2011/045333)
[87] (WO2012/018610)
[30] US (61/367,809) 2010-07-26

[11] **2,806,715**
[13] C
[51] **Int.Cl. G06F 16/901 (2019.01) G06F 16/9038 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD TO TRANSFORM A COMPLEX DATABASE INTO A SIMPLE, FASTER AND EQUIVALENT DATABASE**
[54] **SYSTEME ET PROCEDE POUR TRANSFORMER UNE BASE DE DONNEES COMPLEXE EN UNE BASE DE DONNEES SIMPLE, PLUS RAPIDE ET EQUIVALENTE**
[72] LONG, DAVID ALEXANDER HARRY, CA
[73] SAGETEA INC., CA
[86] (2806715)
[87] (2806715)
[22] 2013-02-20
[30] CA (2,794,317) 2012-11-06

[11] **2,809,357**
[13] C
[51] **Int.Cl. H04N 7/173 (2011.01)**
[25] EN
[54] **RECEPTION AND TRANSMISSION OF TRIGGER INFORMATION FOR APPLICATION PROGRAM CONTROL**
[54] **APPAREIL RECEPTEUR, PROCEDE DE RECEPTION, APPAREIL EMETTEUR, PROCEDE D'EMISSION, PROGRAMME ET SYSTEME DE DIFFUSION**
[72] DEWA, YOSHIHARU, JP
[73] SONY CORPORATION, JP
[85] 2013-02-25
[86] 2011-09-13 (PCT/JP2011/070801)
[87] (WO2012/039316)
[30] US (61/384,888) 2010-09-21
[30] US (13/107,604) 2011-05-13

[11] **2,812,818**
[13] C
[51] **Int.Cl. H04W 88/02 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPTIMIZING THE POSITION OF A MOBILE DEVICE**
[54] **SYSTEME ET PROCEDE D'OPTIMISATION DE LA POSITION D'UN DISPOSITIF MOBILE**
[72] RANTA, CRAIG ERIC, CA
[73] BLACKBERRY LIMITED, CA
[85] 2013-03-27
[86] 2011-09-28 (PCT/CA2011/050605)
[87] (WO2012/040850)
[30] US (12/892,161) 2010-09-28
[30] EP (10180717.0) 2010-09-28

---

[11] **2,832,365**
[13] C
[51] **Int.Cl. G01D 5/353 (2006.01)**
[25] EN
[54] **FIBRE OPTIC DISTRIBUTED SENSING**
[54] **DETECTION REPARTIE PAR FIBRE OPTIQUE**
[72] LEWIS, ANDREW, GB
[72] RUSSELL, STUART, GB
[73] OPTASENSE HOLDINGS LIMITED, GB
[85] 2013-10-03
[86] 2012-04-10 (PCT/GB2012/050788)
[87] (WO2012/137022)
[30] GB (1106030.8) 2011-04-08

---

[11] **2,834,050**
[13] C
[51] **Int.Cl. C25B 9/015 (2021.01) C25B 9/60 (2021.01) C25B 9/65 (2021.01) C25B 1/04 (2021.01)**
[25] EN
[54] **HYDROGEN GAS GENERATOR**
[54] **GENERATEUR DE GAZ HYDROGENE**
[72] GOTHEIL-YELLE, SCOTT, US
[73] HYDRORIPP LLC, US
[85] 2013-10-22
[86] 2012-05-01 (PCT/US2012/035954)
[87] (WO2012/151188)
[30] US (13/099,707) 2011-05-03

---

[11] **2,835,695**
[13] C
[51] **Int.Cl. C07F 9/28 (2006.01) A01N 57/00 (2006.01) A01P 1/00 (2006.01) C07C 233/00 (2006.01)**
[25] EN
[54] **METHODS FOR CONTROLLING DEPOLYMERIZATION OF POLYMER COMPOSITIONS**
[54] **PROCEDES PERMETTANT DE REGLER LA DEPOLYMERISATION DE COMPOSITIONS DE POLYMERE**
[72] WOODWARD, GARY, GB
[72] KESAVAN, SUBRAMANIAN, US
[72] ADEDEJI, ADEDAMOLA, US
[72] CURTIS, TIMOTHY, US
[73] RHODIA OPERATIONS, FR
[85] 2013-11-08
[86] 2012-05-09 (PCT/US2012/037025)
[87] (WO2012/154785)
[30] US (61/518,642) 2011-05-09
[30] US (61/574,774) 2011-08-09

---

[11] **2,837,337**
[13] C
[51] **Int.Cl. G01N 19/02 (2006.01)**
[25] EN
[54] **TURF TESTING APPARATUS AND METHODS**
[54] **APPAREIL D'ESSAI DE GAZON ET PROCEDES ASSOCIES**
[72] YNGVE, PAUL W., US
[73] APT ADVANCED POLYMER TECHNOLOGY CORP., US
[85] 2013-11-25
[86] 2012-05-24 (PCT/US2012/039370)
[87] (WO2012/162516)
[30] US (61/489,868) 2011-05-25

---

[11] **2,837,871**
[13] C
[51] **Int.Cl. A61K 35/50 (2015.01) A61P 25/04 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **TREATMENT OF PAIN USING PLACENTAL STEM CELLS**
[54] **TRAITEMENT DE LA DOULEUR A L'AIDE DE CELLULES SOUCHES PLACENTAIRES**
[72] HERZBERG, URI, US
[72] GURNEY, JODI, US
[73] CELULARITY INC., US
[85] 2013-11-29
[86] 2012-05-31 (PCT/US2012/040081)
[87] (WO2012/166844)
[30] US (61/492,314) 2011-06-01
[30] US (61/548,663) 2011-10-18
[30] US (61/594,985) 2012-02-03

---

[11] **2,838,929**
[13] C
[51] **Int.Cl. B01D 46/10 (2006.01)**
[25] EN
[54] **ROOMSIDE REPLACEABLE FAN FILTER UNIT**
[54] **UNITE DE FILTRAGE POUR VENTILATEUR REMPLACABLE SITUE DU COTE DE LA PIECE**
[72] WOOLARD, KEITH G., US
[72] O'REILLY, SEAN, US
[73] CAMFIL USA, INC., US
[86] (2838929)
[87] (2838929)
[22] 2014-01-08
[30] US (13/795,304) 2013-03-12

---

[11] **2,846,703**
[13] C
[51] **Int.Cl. G08B 21/02 (2006.01) H01Q 7/00 (2006.01) H02G 7/00 (2006.01)**
[25] EN
[54] **POWER LINE PROXIMITY SENSING AND WARNING SYSTEM**
[54] **MECANISME DE DETECTION ET D'AVERTISSEMENT DE PROXIMITE D'UNE LIGNE DE TRANSPORT D'ELECTRICITE**
[72] SMITH, STEPHEN L., US
[72] OLSON, MARK C., US
[72] JOHNSON, RYAN W., US
[73] UNITED SAFETY, INC., US
[86] (2846703)
[87] (2846703)
[22] 2014-03-13

---

[11] **2,849,456**
[13] C
[51] **Int.Cl. A61K 31/439 (2006.01) A61P 39/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATMENT OF DISEASES**
[54] **METHODES DE TRAITEMENT DE MALADIES**
[72] KEENE, JEFFERY L., US
[72] RILEY, DENNIS P., US
[72] BEARDSLEY, ROBERT A., US
[73] GALERA LABS, LLC, US
[85] 2014-03-20
[86] 2012-09-24 (PCT/US2012/056921)
[87] (WO2013/048965)
[30] US (61/539,365) 2011-09-26

[11] **2,850,187**
[13] C
[51] **Int.Cl. A61K 9/10 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61P 1/00 (2006.01) A61P 1/04 (2006.01)**
[25] EN
[54] **PH DEPENDENT CARRIERS FOR TARGETED RELEASE OF PHARMACEUTICALS ALONG THE GASTROINTESTINAL TRACT, COMPOSITIONS THEREFROM, AND MAKING AND USING SAME**
[54] **VECTEURS DEPENDANT DU PH POUR LIBERATION CIBLEE DE PRODUITS PHARMACEUTIQUES DANS LE TUBE DIGESTIF, COMPOSITIONS PREPAREES A PARTIR DE CEUX-CI, ET LEUR FABRICATION ET LEUR UTILISAT ION**
[72] MARATHI, UPENDRA, US
[72] CHILDRESS, SUSANN, US
[72] GAMMILL, SHAUN, US
[72] STROZIER, ROBERT W., US
[73] PLX OPCO INC., US
[85] 2014-03-26
[86] 2012-09-29 (PCT/US2012/058163)
[87] (WO2013/049749)
[30] US (61/540,699) 2011-09-29

[11] **2,851,619**
[13] C
[51] **Int.Cl. C07C 225/20 (2006.01) A61K 31/122 (2006.01) A61K 31/133 (2006.01) A61P 25/00 (2006.01) A61P 25/04 (2006.01) A61P 25/28 (2006.01) C07C 237/02 (2006.01) C07D 295/145 (2006.01) C07D 295/155 (2006.01)**
[25] EN
[54] **THE USE OF HYDROXYNORKETAMINE, DEHYDRONORKETAMINE AND OTHER KETAMINE METABOLITES IN THE TREATMENT OF DEPRESSION AND NEUROPATHIC PAIN**
[54] **L'UTILISATION D'HYDROXYNORKETAMINE, DE DESHYDRONORKETAMINE ET D'AUTRES METABOLITES DE KETAMINE POUR LE TRAITEMENT DE LA DEPRESSION ET DE LA DOULEUR NEUROPATHIQUE**
[72] WAINER, IRVING W., US
[72] MOADDEL, RUIN, US
[72] BERNIER, MICHEL, US
[72] ZARATE, CARLOS A., US
[72] TORJMAN, MARC C., US
[72] GOLDBERG, MICHAEL E., US
[72] TANGA, MARY J., US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[73] THE COOPER HEALTH SYSTEM, US
[73] SRI INTERNATIONAL, US
[85] 2014-04-09
[86] 2012-10-15 (PCT/US2012/060256)
[87] (WO2013/056229)
[30] US (61/547,336) 2011-10-14

[11] **2,852,134**
[13] C
[51] **Int.Cl. A61L 9/14 (2006.01) A61L 9/01 (2006.01) B01D 46/02 (2006.01)**
[25] EN
[54] **AIR PERMEABLE SCENTING LATEX FORMULATION FOR SPRAY APPLICATION ON AN AIR FILTER**
[54] **FORMULATION DE LATEX PARFUMANTE PERMEABLE A L'AIR POUR APPLICATION PAR VAPORISATION SUR UN FILTRE A AIR**
[72] KNAPP, JOSEPH F., III, US
[72] JONES, KARL, US
[72] REARDON, ROBERT, US
[73] SCENTCO, LLC, US
[86] (2852134)
[87] (2852134)
[22] 2014-05-23
[30] US (13/905022) 2013-05-29

[11] **2,856,928**
[13] C
[51] **Int.Cl. G06F 3/0482 (2013.01) H04W 88/02 (2009.01)**
[25] EN
[54] **DEVICE AND METHOD FOR FILTERING MESSAGES**
[54] **DISPOSITIF ET METHODE DE FILTRAGE DES MESSAGES**
[72] SHIRZADI, FARHOUD, CA
[73] BLACKBERRY LIMITED, CA
[86] (2856928)
[87] (2856928)
[22] 2014-07-15
[30] US (13/943847) 2013-07-17

[11] **2,859,768**
[13] C
[51] **Int.Cl. A61K 38/19 (2006.01) C12N 5/0775 (2010.01) A61K 35/28 (2015.01) A61K 38/20 (2006.01) A61P 9/00 (2006.01) A61P 15/00 (2006.01) C07K 14/54 (2006.01) C12N 5/02 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **A CONDITIONED MEDIUM OBTAINED FROM PLACENTAL MESENCHYMAL STEM CELLS AND USE THEREOF FOR THE THERAPEUTIC TREATMENT OF PREECLAMPSIA**
[54] **MILIEU CONDITIONNE OBTENU A PARTIR DE CELLULES SOUCHES MESENCHYMATEUSES PLACENTAIRES ET UTILISATION DE CELUI-CI DANS LE TRAITEMENT THERAPEUTIQUE DE LA PRE-ECLAMPSIE**
[72] ROLFO, ALESSANDRO, IT
[72] TODROS, TULLIA, IT
[73] CORION BIOTECH S.R.L., IT
[85] 2014-06-18
[86] 2012-12-21 (PCT/IB2012/057611)
[87] (WO2013/093878)
[30] IT (TO2011A001183) 2011-12-21

---

[11] **2,860,197**
[13] C
[51] **Int.Cl. A61B 18/12 (2006.01) H02M 7/44 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVING EFFICIENCY OF ELECTROSURGICAL GENERATORS**
[54] **SYSTEMES ET PROCEDES POUR AMELIORER L'EFFICACITE DE GENERATEURS ELECTROCHIRURGICAUX**
[72] GILBERT, JAMES A., US
[72] JOHNSTON, MARK, US
[72] MATTMILLER, AARON, US
[72] JOHNSON, JOSHUA H., US
[73] COVIDIEN LP, US
[86] (2860197)
[87] (2860197)
[22] 2014-08-22
[30] US (61/881,547) 2013-09-24
[30] US (61/881,575) 2013-09-24
[30] US (14/320,762) 2014-07-01
[30] US (14/320,804) 2014-07-01

---

[11] **2,862,629**
[13] C
[51] **Int.Cl. B60R 1/04 (2006.01) B60R 1/08 (2006.01) B60R 11/04 (2006.01)**
[25] EN
[54] **MIRROR MONITOR USING MULTIPLE LEVELS OF REFLECTIVITY AND TRANSMISSIBILITY**
[54] **SYSTEME DE SURVEILLANCE DE MIROIR AU MOYEN DE MULTIPLES NIVEAUX DE REFLECTIVITE ET DE TRANSMISSIBILITE**
[72] ENGLANDER, BENJAMIM, US
[72] SERER, JULIAN, US
[72] PLATE, PETER, US
[72] BALSAM, GARY, US
[73] ROSCO INC., US
[86] (2862629)
[87] (2862629)
[22] 2014-09-10
[30] US (61/881,712) 2013-09-24

---

[11] **2,862,898**
[13] C
[51] **Int.Cl. H02J 11/00 (2006.01) F03D 80/00 (2016.01) H02J 3/38 (2006.01)**
[25] EN
[54] **AUXILIARY ELECTRIC POWER SYSTEM AND METHOD OF REGULATING VOLTAGES OF THE SAME**
[54] **SYSTEME D'ALIMENTATION AUXILIAIRE ELECTRIQUE ET PROCEDE DE REGULATION DES TENSIONS DE CELUI-CI**
[72] SCHNETZKA, HAROLD ROBERT, US
[72] JAYKO, TIMOTHY WILCOX, US
[72] WILMOT, THEODORE STEVEN, US
[72] VUJANOVIC, BRANISLAV, DE
[73] GENERAL ELECTRIC COMPANY, US
[86] (2862898)
[87] (2862898)
[22] 2014-09-04
[30] US (14/024,044) 2013-09-11

---

[11] **2,863,370**
[13] C
[51] **Int.Cl. A61B 17/32 (2006.01) A61B 34/20 (2016.01) A61B 17/16 (2006.01) A61B 17/24 (2006.01)**
[25] EN
[54] **SURGICAL INSTRUMENT WITH DISTAL BEARING ASSEMBLY**
[54] **INSTRUMENT CHIRURGICAL A ENSEMBLE PALIER DISTAL**
[72] O'BRIEN, TODD SHAY, II, US
[73] MEDTRONIC XOMED, INC., US
[85] 2014-07-30
[86] 2013-01-23 (PCT/US2013/022656)
[87] (WO2013/116050)
[30] US (13/362,463) 2012-01-31

---

[11] **2,864,102**
[13] C
[51] **Int.Cl. E06B 9/68 (2006.01) E06B 9/88 (2006.01)**
[25] EN
[54] **ARCHITECTURAL COVERING AND METHOD OF SETTING AT LEAST ONE POSITION OF THE ARCHITECTURAL COVERING**
[54] **ENTOILAGE ARCHITECTURAL ET PROCEDE DE REGLAGE D'AU MOINS UNE POSITION DE L'ENTOILAGE ARCHITECTURAL**
[72] BOHLEN, JORG, DE
[72] KOOP, LARS, DE
[73] HUNTER DOUGLAS INDUSTRIES B.V., NL
[85] 2014-08-07
[86] 2013-02-27 (PCT/NL2013/000010)
[87] (WO2013/129917)
[30] NL (2008360) 2012-02-27

[11] **2,864,563**
[13] C
[51] **Int.Cl. G01R 33/30 (2006.01)**
[25] EN
[54] **HYPERPOLARIZED MEDIA TRANSPORT VESSEL**
[54] **NAVIRE DE TRANSPORT D'UNE SUBSTANCE HYPERPOLARISEE**
[72] SKLOSS, TIMOTHY WILLIAM, US
[72] MURRAY, JONATHAN ALAN, US
[72] ARDENKJAER LARSEN, JAN HENRIK, US
[72] CHERUKURI, MURALI KRISHNA, US
[72] BERNARDO, MARCELINO, US
[72] DEVASAHAYAM, NALLATHAMBY, US
[73] GENERAL ELECTRIC COMPANY, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[86] (2864563)
[87] (2864563)
[22] 2014-09-18
[30] US (14/038,948) 2013-09-27

---

[11] **2,864,723**
[13] C
[51] **Int.Cl. E01B 33/00 (2006.01) E01B 35/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USE IN RAIL TRACK CORRECTIONS**
[54] **SYSTEMES ET PROCEDES POUR UTILISATION AUX FINS DES CORRECTIONS DE VOIE DE CHEMIN DE FER**
[72] CARNEY, JAY R., US
[73] HARSCO CORPORATION, US
[86] (2864723)
[87] (2864723)
[22] 2014-09-24
[30] US (61/882,448) 2013-09-25

---

[11] **2,865,081**
[13] C
[51] **Int.Cl. C02F 9/14 (2006.01) C02F 1/28 (2006.01) C02F 1/40 (2006.01) C02F 1/44 (2006.01) C02F 3/00 (2006.01) C02F 9/00 (2006.01) C02F 9/10 (2006.01) E21B 21/06 (2006.01) E21B 43/40 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TREATING PRODUCED, DESALTED AND FLOW BACK WATER**
[54] **SYSTEME ET PROCEDE POUR TRAITER DE L'EAU EXTRAITE, DESSALEE ET DE REFLUX**
[72] POSA, RICHARD PAUL, US
[73] POSA, RICHARD PAUL, US
[85] 2014-08-20
[86] 2013-02-22 (PCT/US2013/027215)
[87] (WO2013/126625)
[30] US (61/601,806) 2012-02-22
[30] US (13/773,351) 2013-02-21

---

[11] **2,873,304**
[13] C
[51] **Int.Cl. C25C 3/00 (2006.01) C25C 3/26 (2006.01)**
[25] EN
[54] **ELECTROLYTIC METHOD, APPARATUS AND PRODUCT**
[54] **PROCEDE, APPAREIL ET PRODUIT ELECTROLYTIQUE**
[72] WRIGHT, ALLEN RICHARD, GB
[72] HOLLOWAY, STEPHEN, GB
[73] METALYSIS LIMITED, GB
[85] 2014-11-12
[86] 2013-05-10 (PCT/GB2013/051219)
[87] (WO2013/171463)
[30] GB (1208698.9) 2012-05-16

---

[11] **2,873,358**
[13] C
[51] **Int.Cl. G06F 3/03 (2006.01) G06F 3/041 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING TOUCH RECOGNITION AND ELECTRONIC DEVICE THEREOF**
[54] **PROCEDE POUR AMELIORER UNE RECONNAISSANCE TACTILE ET DISPOSITIF ELECTRONIQUE CORRESPONDANT**
[72] KIM, SANG-HEON, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2014-11-12
[86] 2013-06-12 (PCT/KR2013/005189)
[87] (WO2013/191408)
[30] KR (10-2012-0067194) 2012-06-22

---

[11] **2,874,138**
[13] C
[51] **Int.Cl. F16H 55/00 (2006.01) B66D 3/08 (2006.01) E21B 19/02 (2006.01) F16H 55/32 (2006.01)**
[25] EN
[54] **FLEET ANGLE TOLERANT SHEAVE**
[54] **REA TOLERANT UN ANGLE D'INCLINAISON**
[72] ERVIN, HOWARD, US
[73] NATIONAL OILWELL VARCO, L.P., US
[86] (2874138)
[87] (2874138)
[22] 2014-12-10
[30] US (14/251,938) 2014-04-14

[11] **2,874,609**
[13] C
[51] **Int.Cl. C12N 5/0783 (2010.01)**
[25] EN
[54] **METHODS FOR ENGINEERING ALLOGENEIC AND IMMUNOSUPPRESSIVE RESISTANT T CELL FOR IMMUNOTHERAPY**
[54] **PROCEDES POUR MODIFIER DES LYMPHOCYTES T RESISTANTS ALLOGENIQUES ET IMMUNOSUPPRESSEURS POUR L'IMMUNOTHERAPIE**
[72] GOUBLE, AGNES, FR
[72] GROSSE, STEPHANIE, FR
[72] MANNIOUI, CECILE, FR
[72] POIROT, LAURENT, FR
[72] SCHARENBERG, ANDREW, US
[72] SMITH, JULIANNE, FR
[72] GALETTO, ROMAN, FR
[73] CELLECTIS, FR
[85] 2014-11-24
[86] 2013-05-13 (PCT/US2013/040755)
[87] (WO2013/176915)
[30] US (61/651,933) 2012-05-25
[30] US (61/696,612) 2012-09-04

[11] **2,877,736**
[13] C
[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/02 (2006.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHODS FOR DETERMINING DRUG EFFICACY USING CEREBLON-ASSOCIATED PROTEINS**
[54] **PROCEDES POUR DETERMINER L'EFFICACITE D'UN MEDICAMENT EN UTILISANT DES PROTEINES ASSOCIEES AU CEREBLON**
[72] SCHAFER, PETER H., US
[72] CHOPRA, RAJESH, US
[72] CORRAL, LAURA, US
[72] WANG, MARIA YINGLIN, US
[72] LOPEZ-GIRONA, ANTONIA, US
[72] JACKSON, PILGRIM, US
[73] CELGENE CORPORATION, US
[85] 2014-12-22
[86] 2013-06-28 (PCT/US2013/048510)
[87] (WO2014/004990)
[30] US (61/666,703) 2012-06-29
[30] US (61/696,752) 2012-09-04

[11] **2,878,482**
[13] C
[51] **Int.Cl. A23J 1/14 (2006.01) A23L 7/00 (2016.01) A23L 11/00 (2021.01) A23L 13/40 (2016.01) A23L 33/185 (2016.01) A21D 13/045 (2017.01) A21D 13/064 (2017.01) A21D 2/26 (2006.01) A23C 11/00 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **PH ADJUSTED PULSE PROTEIN PRODUCT**
[54] **PRODUIT PROTEIQUE A BASE DE LEGUMES SECS A PH REGULE**
[72] SEGALL, KEVIN I., CA
[72] SCHWEIZER, MARTIN, CA
[73] BURCON NUTRASCIENCE (MB) CORP., CA
[85] 2015-01-06
[86] 2013-07-09 (PCT/CA2013/000623)
[87] (WO2014/008578)
[30] US (61/669,845) 2012-07-10

[11] **2,878,991**
[13] C
[51] **Int.Cl. C07K 14/605 (2006.01) A61K 38/26 (2006.01) C12N 1/15 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **GLUCAGON ANALOGUES**
[54] **ANALOGUES DU GLUCAGON**
[72] RIBER, DITTE, DK
[72] GIEHM, LISE, DK
[73] ZEALAND PHARMA A/S, DK
[85] 2015-01-12
[86] 2013-07-23 (PCT/EP2013/065519)
[87] (WO2014/016300)
[30] US (61/674,706) 2012-07-23
[30] US (61/785,611) 2013-03-14
[30] DK (PA 2013 00360) 2013-06-14

[11] **2,880,027**
[13] C
[51] **Int.Cl. A61K 31/57 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **PROGESTERONE COMPOSITIONS AND TREATMENT FOR EYE DISEASES AND DISORDERS**
[54] **COMPOSITIONS DE PROGESTERONE ET TRAITEMENT POUR MALADIES DES YEUX ET TROUBLES DE LA VUE**
[72] CHANG, WEI-WEI, US
[72] SAWYER, KENNETH, US
[73] GLIA LLC, US
[85] 2015-01-23
[86] 2013-07-26 (PCT/US2013/052264)
[87] (WO2014/018856)
[30] US (61/676,530) 2012-07-27
[30] US (61/756,321) 2013-01-24

[11] **2,880,811**
[13] C
[51] **Int.Cl. A61K 35/44 (2015.01) C12N 5/071 (2010.01) A61P 11/00 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **TREATMENT OF PULMONARY ARTERIAL HYPERTENSION WITH PROSTACYCLIN-TREATED ENDOTHELIAL PROGENITOR CELLS**
[54] **TRAITEMENT DE L'HYPERTENSION ARTERIELLE PULMONAIRE AVEC DES CELLULES PROGENITRICES ENDOTHELIALES TRAITEES A LA PROSTACYCLINE**
[72] JEFFS, ROGER, US
[72] PETERSEN, THOMAS, US
[72] ILAGAN, ROGER M., US
[72] WADE, MICHAEL, US
[73] UNITED THERAPEUTICS CORPORATION, US
[85] 2015-02-02
[86] 2013-07-30 (PCT/US2013/052700)
[87] (WO2014/022376)
[30] US (61/678,208) 2012-08-01
[30] US (61/750,458) 2013-01-09

[11] **2,881,046**
[13] C
[51] **Int.Cl. E06B 3/54 (2006.01) E06B 3/58 (2006.01)**
[25] EN
[54] **DEVICE FOR FIXING A PANEL IN A SUPPORT RAIL**
[54] **DISPOSITIF SERVANT A FIXER UN PANNEAU DANS UN RAIL DE SUPPORT**
[72] GIACOMETTI, SYLVIANE, FR
[72] DAGAND, CYRIL, FR
[73] SB INGENIERIE, FR
[86] (2881046)
[87] (2881046)
[22] 2015-02-04
[30] FR (14 00 483) 2014-02-26

---

[11] **2,883,425**
[13] C
[51] **Int.Cl. A01B 33/00 (2006.01)**
[25] EN
[54] **TILLAGE IMPLEMENT**
[54] **ACCESSOIRE ARATOIRE**
[72] REDEKOP, JOHAN, CA
[73] REDEKOP, JOHAN, CA
[86] (2883425)
[87] (2883425)
[22] 2015-02-27

---

[11] **2,883,792**
[13] C
[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/29 (2006.01)**
[25] EN
[54] **ENGINEERED TRANSGENE INTEGRATION PLATFORM (ETIP) FOR GENE TARGETING AND TRAIT STACKING**
[54] **PLATEFORME D'INTEGRATION DE TRANSGENE GENETIQUEMENT MODIFIE (ETIP) POUR LE CIBLAGE GENIQUE ET L'EMPILEMENT DE CARACTERES**
[72] COGAN, NOEL, AU
[72] FORSTER, JOHN, AU
[72] HAYDEN, MATTHEW, AU
[72] SAWBRIDGE, TIM, AU
[72] SPANGENBERG, GERMAN, AU
[72] WEBB, STEVEN R., US
[72] GUPTA, MANJU, US
[72] AINLEY, W. MIKE, US
[72] HENRY, MATTHEW J., US
[72] MASON, JOHN, AU
[72] KUMAR, SANDEEP, US
[72] NOVAK, STEPHEN, US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2015-03-03
[86] 2013-09-06 (PCT/US2013/058584)
[87] (WO2014/039872)
[30] US (61/697,882) 2012-09-07

---

[11] **2,885,156**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **ANTI-CD3 ANTIBODIES, BISPECIFIC ANTIGEN-BINDING MOLECULES THAT BIND CD3 AND CD20, AND USES THEREOF**
[54] **ANTICORPS ANTI-CD3, MOLECULES DE LIAISON A UN ANTIGENE BISPECIFIQUES QUI SE LIENT A CD3 ET CD20, ET LEURS UTILISATIONS**
[72] SMITH, ERIC, US
[72] PAPADOPOULOS, NICHOLAS, J., US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2015-03-16
[86] 2013-09-19 (PCT/US2013/060511)
[87] (WO2014/047231)
[30] US (61/704,029) 2012-09-21
[30] US (61/753,461) 2013-01-17
[30] US (61/763,110) 2013-02-11
[30] US (61/827,098) 2013-05-24

---

[11] **2,885,929**
[13] C
[51] **Int.Cl. H01M 8/18 (2006.01)**
[25] EN
[54] **HYDROQUINONE FLOW BATTERIES**
[54] **BATTERIES REDOX A FLUX D'HYDROQUINONE**
[72] HUSKINSON, BRIAN, US
[72] MARSHAK, MICHAEL, US
[72] AZIZ, MICHAEL J., US
[72] GORDON, ROY G., US
[72] BETLEY, THEODORE A., US
[72] ASPURU-GUZIK, ALAN, US
[72] ER, SULEYMAN, NO
[72] SUH, CHANGWON, US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2015-03-25
[86] 2013-09-26 (PCT/US2013/062057)
[87] (WO2014/052682)
[30] US (61/705,845) 2012-09-26
[30] US (61/823,258) 2013-05-14
[30] US (61/838,589) 2013-06-24

---

[11] **2,888,971**
[13] C
[51] **Int.Cl. E05B 47/00 (2006.01) G07C 9/20 (2020.01)**
[25] EN
[54] **ELECTRONIC LOCK HAVING A MOBILE DEVICE USER INTERFACE**
[54] **VERROU ELECTRONIQUE AYANT UNE INTERFACE UTILISATEUR DE DISPOSITIF MOBILE**
[72] ALMOMANI, NEDAL AKRAM, US
[73] SPECTRUM BRANDS, INC., US
[85] 2015-04-21
[86] 2013-10-25 (PCT/US2013/066816)
[87] (WO2014/066763)
[30] US (61/719,039) 2012-10-26

[11] **2,888,983**
[13] C
[51] **Int.Cl. H04L 12/16 (2006.01) G06Q 10/06 (2012.01) H04W 4/021 (2018.01)**
[25] EN
[54] **USER-CENTRIC ANNOTATED LOCATION AWARE ASSET MAPPING**
[54] **MAPPAGE D'ACTIFS SENSIBLES A LA LOCALISATION ANNOTES CENTRES SUR L'UTILISATEUR**
[72] CLINE, TROY, US
[72] HE, TING, US
[72] GERE, WESLEY, US
[72] GRAHAM, JASON L., US
[72] BEHNIA, KIA, US
[73] BMC SOFTWARE, INC., US
[85] 2015-04-21
[86] 2013-10-22 (PCT/US2013/066107)
[87] (WO2014/066342)
[30] US (61/717,635) 2012-10-23
[30] US (13/731,264) 2012-12-31

[11] **2,888,986**
[13] C
[51] **Int.Cl. H04L 12/16 (2006.01) G06Q 10/06 (2012.01) H04W 4/024 (2018.01) H04W 4/33 (2018.01) H04W 4/80 (2018.01)**
[25] EN
[54] **MANAGEMENT OF ANNOTATED LOCATION AWARE ASSETS**
[54] **GESTION D'ACTIFS SENSIBLES A LA LOCALISATION ANNOTES**
[72] CLINE, TROY, US
[72] HE, TING, US
[72] GERE, WESLEY, US
[72] GRAHAM, JASON L., US
[72] BEHNIA, KIA, US
[73] BMC SOFTWARE, INC., US
[85] 2015-04-21
[86] 2013-10-22 (PCT/US2013/066112)
[87] (WO2014/066346)
[30] US (61/717,635) 2012-10-23
[30] US (13/731,309) 2012-12-31

[11] **2,888,999**
[13] C
[51] **Int.Cl. E05B 47/00 (2006.01) H04W 80/00 (2009.01) H04W 4/80 (2018.01) G06K 7/10 (2006.01)**
[25] EN
[54] **ELECTRONIC LOCK HAVING HARDWARE BASED MULTI-WIRELESS PROFILE DETECTION AND SETTING**
[54] **VERROU ELECTRONIQUE AYANT UNE DETECTION ET UNE DEFINITION DE PROFIL SANS FIL MULTIPLE A BASE MATERIELLE**
[72] ALMOMANI, NEDAL AKRAM, US
[72] MARIDAKIS, MICHAEL, US
[73] SPECTRUM BRANDS, INC., US
[85] 2015-04-21
[86] 2013-10-22 (PCT/US2013/066185)
[87] (WO2014/066391)
[30] US (61/717,141) 2012-10-23

[11] **2,889,181**
[13] C
[51] **Int.Cl. C07K 16/24 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTIBODIES TO INTERLEUKIN-6 AND USES THEREOF**
[54] **ANTICORPS DIRIGES CONTRE L'INTERLEUKINE-6 ET LEURS UTILISATIONS**
[72] LIN, WILLIE, TW
[72] LEE, TONG-YOUN, TW
[72] WU, HAN-CHUNG, TW
[72] TSAO, TANNY CHEN, TW
[73] ONENESS BIOTECH CO., LTD, CN
[85] 2015-04-22
[86] 2013-10-18 (PCT/US2013/065668)
[87] (WO2014/066167)
[30] US (61/716,802) 2012-10-22

[11] **2,889,352**
[13] C
[51] **Int.Cl. A61J 7/00 (2006.01) G16H 20/10 (2018.01) G16H 20/13 (2018.01) G16H 40/63 (2018.01) A61J 3/00 (2006.01) A61J 7/04 (2006.01)**
[25] EN
[54] **IMPROVED WORK STATION FOR MEDICAL DOSE PREPARATION SYSTEM**
[54] **STATION DE TRAVAIL AMELIOREE POUR SYSTEME DE PREPARATION DE DOSES DE MEDICAMENTS**
[72] WEBER, WESLEY J., US
[72] RANALLETTA, JOSEPH V., US
[72] MCEACHERN, IAN, US
[73] BAXTER CORPORATION ENGLEWOOD, US
[85] 2015-04-22
[86] 2013-03-15 (PCT/US2013/032545)
[87] (WO2014/065872)
[30] US (61/719,256) 2012-10-26

[11] **2,890,281**
[13] C
[51] **Int.Cl. A01H 1/06 (2006.01) C12N 9/22 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PLANTS FOR PRODUCTION OF THERAPEUTIC PROTEINS**
[54] **PLANTES DESTINEES A LA PRODUCTION DE PROTEINES THERAPEUTIQUES**
[72] VOYTAS, DANIEL F., US
[72] MATHIS, LUC, FR
[72] LI, JIN, US
[72] ZHANG, FENG, US
[72] STODDARD, THOMAS, US
[72] D'AOUST, MARC-ANDRE, CA
[73] MEDICAGO INC., CA
[73] CELLECTIS, FR
[85] 2015-04-30
[86] 2013-10-31 (PCT/US2013/067810)
[87] (WO2014/071039)
[30] US (61/721,194) 2012-11-01
[30] US (61/790,850) 2013-03-15

[11] **2,890,797**
[13] C
[51] **Int.Cl. A61K 38/10 (2006.01) A61P 37/06 (2006.01) C12N 15/12 (2006.01) C12N 15/86 (2006.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **SOLUBLE MEDIATOR**
[54] **MEDIATEUR SOLUBLE**
[72] HARRISON, LEONARD CHARLES, AU
[72] RASHIDI, MARYAM, AU
[72] ZHANG, YUXIA, AU
[73] THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH, AU
[85] 2015-05-08
[86] 2013-03-25 (PCT/AU2013/000292)
[87] (WO2014/075125)
[30] AU (PCT/AU2012/001411) 2012-11-15

[11] **2,892,641**
[13] C
[51] **Int.Cl. B60R 3/02 (2006.01)**
[25] EN
[54] **FLEXIBLE STEP ASSEMBLY FOR VEHICLES**
[54] **ENSEMBLE DE MARCHEPIED SOUPLE POUR VEHICULES**
[72] RINALDI, RANDY D., CA
[73] RANDY RINALDI WELDING LTD., CA
[86] (2892641)
[87] (2892641)
[22] 2015-05-19

[11] **2,893,431**
[13] C
[51] **Int.Cl. C12P 5/00 (2006.01) C12N 1/20 (2006.01) C12P 5/02 (2006.01)**
[25] EN
[54] **FERMENTATIVE PRODUCTION OF A HYDROCARBON**
[54] **PRODUCTION D'UN HYDROCARBURE PAR FERMENTATION**
[72] BOCKRATH, RICHARD, US
[73] GLOBAL BIOENERGIES, FR
[85] 2015-06-01
[86] 2013-12-03 (PCT/EP2013/075393)
[87] (WO2014/086781)
[30] EP (12196056.1) 2012-12-07

[11] **2,894,131**
[13] C
[51] **Int.Cl. E04B 9/10 (2006.01) E04B 9/12 (2006.01) E04B 9/06 (2006.01)**
[25] EN
[54] **SUPPORT METAL STRUCTURE OF A FALSE CEILING**
[54] **STRUCTURE METALLIQUE DE SOUTIEN D'UN FAUX-PLAFOND**
[72] CIPRIANI, GIUSEPPE, IT
[73] CIPRIANI, GIUSEPPE, IT
[85] 2015-06-02
[86] 2014-02-14 (PCT/IB2014/058999)
[87] (WO2014/125441)
[30] IT (VR2013A000040) 2013-02-14

[11] **2,894,511**
[13] C
[51] **Int.Cl. C40B 40/02 (2006.01) C12N 5/0735 (2010.01) C12M 1/34 (2006.01) C12N 11/00 (2006.01) C12N 15/00 (2006.01) C40B 50/06 (2006.01) C40B 50/14 (2006.01) G01N 33/567 (2006.01)**
[25] EN
[54] **METHODS FOR HIGH THROUGHPUT RECEPTOR:LIGAND IDENTIFICATION**
[54] **PROCEDES POUR IDENTIFICATION DE RECEPTEUR/LIGAND A RENDEMENT ELEVE**
[72] ALMO, STEVEN C., US
[72] SEIDEL, RONALD D., III, US
[72] HILLERICH, BRANDAN S., US
[72] GARRETT-THOMSON, SARAH C., US
[72] LOVE, JAMES D., US
[73] ALBERT EINSTEIN COLLEGE OF MEDICINE, US
[85] 2015-06-09
[86] 2013-12-05 (PCT/US2013/073275)
[87] (WO2014/093118)
[30] US (61/735,791) 2012-12-11
[30] US (61/833,588) 2013-06-11

[11] **2,896,454**
[13] C
[51] **Int.Cl. F16L 37/50 (2006.01) F16L 27/00 (2006.01) F16L 29/04 (2006.01) F16L 37/32 (2006.01) F16L 37/60 (2006.01) F28F 9/00 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **CONNECTING PLUG, COOLING CIRCUIT EQUIPPED WITH SUCH A CONNECTING PLUG AND METHOD FOR CONNECTING SUCH A COOLING CIRCUIT AND A COLD PLATE**
[54] **BOUCHON DE RACCORDEMENT, CIRCUIT DE REFROIDISSEMENT EQUIPE D'UN TEL BOUCHON DE RACCORDEMENT ET METHODE DE CONNEXION D'UN TEL CIRCUIT DE REFROIDISSEMENT ET D'UNE PLAQUE FROIDE**
[72] TIBERGHIEN, ALAIN-CHRISTOPHE, FR
[72] DURIEUX, CHRISTOPHE, FR
[72] MOREL, FREDERIC, FR
[73] STAUBLI FAVERGES, FR
[86] (2896454)
[87] (2896454)
[22] 2015-07-03
[30] US (62/021,980) 2014-07-08

[11] **2,896,977**
[13] C
[51] **Int.Cl. A61K 31/137 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF DEMYELINATING DISEASES**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DES TROUBLES DE DEMYELINISATION**
[72] BLITZER, JEREMY, US
[72] MCKEARN, JOHN, US
[73] PATHOLOGICA LLC, US
[85] 2015-06-30
[86] 2014-01-08 (PCT/US2014/010714)
[87] (WO2014/110154)
[30] US (61/750,336) 2013-01-08
[30] US (61/823,276) 2013-05-14

[11] **2,897,246**
[13] C
[51] **Int.Cl. F22B 3/00 (2006.01)**
[25] EN
[54] **A STEAM GENERATOR USING A PLASMA ARC**
[54] **UN GENERATEUR DE VAPEUR EMPLOYANT UNE DECHARGE DE PLASMA**
[72] LAROUCHE, MAXIME, CA
[72] LAROUCHE, JEAN-LOUIS, CA
[73] ENTREPRISE ELECTRIQUE M.J.L. INC., CA
[86] (2897246)
[87] (2897246)
[22] 2015-07-14

---

[11] **2,898,379**
[13] C
[51] **Int.Cl. B64G 1/10 (2006.01) B64G 1/24 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **METHOD FOR STATIONING A SATELLITE AND IN-ORBIT TESTING OF ITS PAYLOAD**
[54] **METHODE DE POSITIONNEMENT D'UN SATELLITE ET ESSAI EN ORBITE DE SA CHARGE UTILE**
[72] HACHE, RAPHAEL, FR
[72] KALTENBACH, ALEXANDRE, FR
[72] TESSANDORI, STEPHANE, FR
[73] THALES, FR
[86] (2898379)
[87] (2898379)
[22] 2015-07-24
[30] EP (1401713) 2014-07-25

---

[11] **2,898,432**
[13] C
[51] **Int.Cl. H05B 47/155 (2020.01) H05B 47/13 (2020.01) H05B 47/165 (2020.01) H05B 47/175 (2020.01) F21V 17/10 (2006.01) G06F 8/65 (2018.01) G06F 3/048 (2013.01)**
[25] EN
[54] **MANAGING STREETLIGHTS**
[54] **GESTION DE REVERBERES**
[72] AGRAWAL, ANIL, US
[73] CIMCON LIGHTING, INC., US
[85] 2015-07-16
[86] 2013-01-17 (PCT/US2013/021957)
[87] (WO2013/109765)
[30] US (61/587,563) 2012-01-17
[30] US (61/587,567) 2012-01-17
[30] US (61/587,568) 2012-01-17
[30] US (61/588,572) 2012-01-19
[30] US (61/588,569) 2012-01-19

---

[11] **2,901,224**
[13] C
[51] **Int.Cl. A47F 9/04 (2006.01) B65B 17/00 (2006.01) B65B 25/00 (2006.01)**
[25] EN
[54] **CUSTOM PACKAGING CENTER AND PACKAGING FOR USE IN THE CUSTOM PACKAGING CENTER**
[54] **CENTRE D'EMBALLAGE SUR MESURE ET EMBALLAGE DESTINE A ETRE UTILISE DANS LE CENTRE D'EMBALLAGE SUR MESURE**
[72] TAYLOR, CURTIS, US
[72] MISENER, AARON, US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2015-08-13
[86] 2014-02-07 (PCT/US2014/015193)
[87] (WO2014/130262)
[30] US (61/766,143) 2013-02-19

---

[11] **2,901,476**
[13] C
[51] **Int.Cl. A61F 9/00 (2006.01)**
[25] EN
[54] **IMPLANTS WITH CONTROLLED DRUG DELIVERY FEATURES AND METHODS OF USING SAME**
[54] **IMPLANTS PERMETTANT UNE LIBERATION CONTROLEE DE MEDICAMENTS ET LEURS PROCEDES D'UTILISATION**
[72] HAFFNER, DAVID S., US
[72] BURNS, THOMAS W., US
[72] HEITZMANN, HAROLD A., US
[72] CURRY, KENNETH M., US
[73] DOSE MEDICAL CORPORATION, US
[85] 2015-08-13
[86] 2014-03-10 (PCT/US2014/022858)
[87] (WO2014/150292)
[30] US (61/788,731) 2013-03-15

---

[11] **2,901,923**
[13] C
[51] **Int.Cl. A61K 9/52 (2006.01) A61J 3/07 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **DEVICE, SYSTEM AND METHODS FOR THE ORAL DELIVERY OF THERAPEUTIC COMPOUNDS**
[54] **DISPOSITIF, SYSTEME ET PROCEDES D'ADMINISTRATION ORALE DE COMPOSES THERAPEUTIQUES**
[72] IMRAN, MIR, US
[72] HERRMANN, PETER, US
[72] SYED, BABER, US
[72] WILLIAMS, TIMOTHY H., US
[72] JIN ONG, CHANG, US
[72] METHOD, GREG, US
[73] RANI THERAPEUTICS, LLC, US
[85] 2015-08-19
[86] 2014-03-12 (PCT/US2014/024385)
[87] (WO2014/159604)
[30] US (13/837,025) 2013-03-15

---

[11] **2,902,192**
[13] C
[51] **Int.Cl. B01J 21/02 (2006.01) C07C 2/84 (2006.01)**
[25] EN
[54] **CATALYSTS FOR PETROCHEMICAL CATALYSIS**
[54] **CATALYSEURS POUR UNE CATALYSE PETROCHIMIQUE**
[72] SCHAMMEL, WAYNE P., US
[72] RUMPLECKER, ANJA, US
[72] CIZERON, JOEL M., US
[72] SCHER, ERIK C., US
[72] ZURCHER, FABIO R., US
[72] NYCE, GREG, US
[72] MCCORMICK, JAROD, US
[72] ALCID, MARIAN, US
[72] GAMORAS, JOEL, US
[72] ROSENBERG, DANIEL, US
[72] RAS, ERIK-JAN, NL
[73] LUMMUS TECHNOLOGY, US
[85] 2015-08-21
[86] 2014-03-14 (PCT/US2014/028040)
[87] (WO2014/143880)
[30] US (61/794,486) 2013-03-15

[11] **2,902,514**
[13] C
[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/19 (2006.01)**
[25] EN
[54] **INFUSION SYSTEM WITH DUAL-CHAMBERED RESERVOIR**
[54] **SYSTEME DE PERFUSION AYANT UN RESERVOIR A DEUX CHAMBRES**
[72] DAVIS, LISA, US
[72] BUTTERFIELD, ROBERT, US
[73] CAREFUSION 303, INC., US
[85] 2015-08-25
[86] 2014-03-10 (PCT/US2014/022429)
[87] (WO2014/150157)
[30] US (13/841,369) 2013-03-15

---

[11] **2,904,169**
[13] C
[51] **Int.Cl. A61K 47/22 (2006.01) A61K 9/08 (2006.01) A61K 39/395 (2006.01) G01N 27/416 (2006.01)**
[25] EN
[54] **FORMULATIONS WITH REDUCED OXIDATION**
[54] **FORMULATIONS AVEC OXYDATION REDUITE**
[72] ALAVATTAM, SREEDHARA, US
[72] MALLANEY, MARY, US
[72] GREWAL, PARBIR, US
[73] GENENTECH, INC., US
[85] 2015-09-03
[86] 2014-03-13 (PCT/US2014/026850)
[87] (WO2014/160497)
[30] US (61/780,852) 2013-03-13
[30] US (61/909,850) 2013-11-27

---

[11] **2,904,387**
[13] C
[51] **Int.Cl. A61K 31/4709 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **METHODS OF TREATING INFECTIONS IN OVERWEIGHT AND OBESE PATIENTS USING ANTIBIOTICS**
[54] **PROCEDES DE TRAITEMENT D'INFECTIONS CHEZ DES PATIENTS ATTEINTS DE SURPOIDS ET D'OBESITE UTILISANT D'ANTIBIOTIQUES**
[72] DUFFY, ERIN M., US
[73] MELINTA SUBSIDIARY CORP., US
[85] 2015-09-04
[86] 2014-03-14 (PCT/US2014/027220)
[87] (WO2014/152332)
[30] US (61/790,179) 2013-03-15

---

[11] **2,904,546**
[13] C
[51] **Int.Cl. B01D 53/62 (2006.01) B01D 53/02 (2006.01) B01D 53/14 (2006.01) C30B 29/58 (2006.01)**
[25] EN
[54] **METAL ORGANIC FRAMEWORK, PRODUCTION AND USE THEREOF**
[54] **STRUCTURE ORGANOMETALLIQUE, SA PRODUCTION ET SON UTILISATION**
[72] DAWSON, KARL W., CA
[72] DEAKIN, KYLE, CA
[72] IREMONGER, SIMON, CA
[72] LIN, JIAN-BIN, CA
[72] SHIMIZU, GEORGE, CA
[72] VAIDHYANATHAN, RAMANATHAN, CA
[73] UTI LIMITED PARTNERSHIP, CA
[85] 2015-09-08
[86] 2014-03-11 (PCT/CA2014/000204)
[87] (WO2014/138878)
[30] US (61/776,223) 2013-03-11

---

[11] **2,904,618**
[13] C
[51] **Int.Cl. C07D 487/08 (2006.01) A61K 31/407 (2006.01) A61P 25/00 (2006.01) C07D 471/08 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED 2-AZABICYCLES AND THEIR USE AS OREXIN RECEPTOR MODULATORS**
[54] **2-AZABICYLES SUBSTITUES ET LEUR UTILISATION EN TANT QUE MODULATEURS DES RECEPTEURS D'OREXINE**
[72] GELIN, CHRISTINE F., US
[72] LEBOLD, TERRY P., US
[72] SHIREMAN, BROCK T., US
[72] ZIFF, JEANNIE M., US
[73] JANSSEN PHARMACEUTICA NV, BE
[85] 2015-09-08
[86] 2014-03-12 (PCT/US2014/024293)
[87] (WO2014/165070)
[30] US (61/780,378) 2013-03-13

---

[11] **2,905,108**
[13] C
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 9/133 (2006.01) A61K 39/395 (2006.01) A61K 47/28 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **CHOLESTOSOME VESICLES FOR INCORPORATION OF MOLECULES INTO CHYLOMICRONS**
[54] **VESICULES DE CHOLESTOSOME POUR L'INCORPORATION DE MOLECULES DANS DES CHYLOMICRONS**
[72] HUGHES, JULIE, US
[72] SCHENTAG, JEROME J., US
[72] MIELNICKI, LAWRENCE, US
[72] MCCOURT, MARY P., US
[73] HUGHES, JULIE, US
[73] SCHENTAG, JEROME J., US
[73] MIELNICKI, LAWRENCE, US
[73] MCCOURT, MARY P., US
[85] 2015-09-09
[86] 2014-03-14 (PCT/US2014/027761)
[87] (WO2014/152795)
[30] US (61/783,003) 2013-03-14

---

[11] **2,907,334**
[13] C
[51] **Int.Cl. C07D 215/22 (2006.01) A61K 31/47 (2006.01) A61P 35/00 (2006.01) C07C 233/60 (2006.01) C07C 305/24 (2006.01)**
[25] EN
[54] **METABOLITES OF N-(4-{[6,7-BIS(METHYLOXY)QUINOLIN-4-YL]OXY}PHENYL)-N'-(4-FLUOROPHENYL)CYCLOPROPANE-1,1-DICARBOXAMIDE**
[54] **METABOLITES DE N-(4-{[6,7-BIS(METHYLOXY)QUINOLIN-4-YL]OXY}PHENYL)-N'-(4-FLUOROPHENYL)CYCLOPROPANE-1,1-DICARBOXAMIDE**
[72] AFTAB, DANA T., US
[72] NAGANATHAN, SRIRAM, US
[72] XU, WEI, US
[72] LACY, STEVEN, US
[72] NGUYEN, LINH, US
[73] EXELIXIS, INC., US
[85] 2015-09-15
[86] 2014-03-17 (PCT/US2014/030524)
[87] (WO2014/145715)
[30] US (61/792,413) 2013-03-15

[11] **2,907,560**
[13] C
[51] **Int.Cl. A61K 39/385 (2006.01) A61K 36/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **YEAST-BASED IMMUNOTHERAPY FOR CHORDOMA**
[54] **IMMUNOTHERAPIE A BASE DE LEVURE POUR UN CHORDOME**
[72] RODELL, TIMOTHY C., US
[72] APELIAN, DAVID, US
[72] PALENA, CLAUDIA, US
[72] SCHLOM, JEFFREY, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[73] GLOBEIMMUNE, INC., US
[85] 2015-09-17
[86] 2014-03-19 (PCT/US2014/031183)
[87] (WO2014/186047)
[30] US (61/803,332) 2013-03-19

---

[11] **2,907,661**
[13] C
[51] **Int.Cl. F15B 7/00 (2006.01)**
[25] EN
[54] **ACTUATOR DEVICE**
[54] **DISPOSITIF ACTIONNEUR**
[72] BACHMAIER, GEORG, DE
[72] EBELSBERGER, GERIT, DE
[72] FREITAG, REINHARD, DE
[72] GODECKE, ANDREAS, DE
[72] ZOLS, WOLFGANG, DE
[73] METISMOTION GMBH, DE
[85] 2015-09-18
[86] 2014-01-15 (PCT/EP2014/050729)
[87] (WO2014/146804)
[30] DE (10 2013 205 044.5) 2013-03-21

---

[11] **2,907,965**
[13] C
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/045 (2006.01) A61K 31/70 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITION AND USE FOR TREATING CARDIAC FAILURE**
[54] **COMPOSITION ET UTILISATION POUR TRAITER LES PROBLEMES D'INSUFFISANCE CARDIAQUE**
[72] WU, RONG-TSUN, TW
[73] WU, SOPHIA SHU FEN, US
[73] WU, RONG-TSUN, TW
[85] 2015-09-24
[86] 2013-03-28 (PCT/US2013/034381)
[87] (WO2014/158165)

---

[11] **2,908,428**
[13] C
[51] **Int.Cl. A61K 9/16 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING AT LEAST TWO DRY POWDERS OBTAINED BY SPRAY DRYING TO INCREASE THE STABILITY OF THE FORMULATION**
[54] **COMPOSITION COMPRENANT AU MOINS DEUX POUDRES SECHES OBTENUES PAR SECHAGE PAR PULVERISATION POUR ACCROITRE LA STABILITE DE LA FORMULATION**
[72] CAPONETTI, GIOVANNI, IT
[72] MAGGI, LORETTA, IT
[72] VENEZIANI, CRISTINA, IT
[72] VENTURA, PAOLO, IT
[72] ZANELLOTTI, LAURA, IT
[73] ZAMBON S.P.A., IT
[85] 2015-09-30
[86] 2014-04-09 (PCT/EP2014/057200)
[87] (WO2014/167023)
[30] IT (MI2013A000572) 2013-04-10

---

[11] **2,908,603**
[13] C
[51] **Int.Cl. C08L 67/04 (2006.01)**
[25] EN
[54] **COMPOSITION FOR THE PREPARATION OF A NANOSTRUCTURED BIODEGRADABLE POLYMERIC MATERIAL, THE MATERIAL OBTAINED AND ITS APPLICATIONS**
[54] **COMPOSITION POUR LA PREPARATION D'UN MATERIAU POLYMERE BIODEGRADABLE NANOSTRUCTURE, LE MATERIAU OBTENU ET SES APPLICATIONS**
[72] GALLUR BLANCA, MIRIAM, ES
[72] ORTUNO MANSILLA, NATALIA, ES
[72] AUCEJO ROMERO, SUSANA, ES
[72] JORDA BENEYTO, MARIA, ES
[72] GALET DOMINGO, ANA, ES
[72] HORTAL RAMOS, MERCEDES, ES
[73] ITENE, INSTITUTO TECNOLOGICO DEL EMBALAJE, TRANSPORTE Y LOGISTICA, ES
[85] 2015-10-02
[86] 2014-03-31 (PCT/EP2014/056434)
[87] (WO2014/161810)
[30] EP (13382126.4) 2013-04-04

---

[11] **2,908,830**
[13] C
[51] **Int.Cl. A61K 31/4985 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **TREATMENT OF CANCER WITH DIHYDROPYRAZINO-PYRAZINES**
[54] **TRAITEMENT DU CANCER PAR DES DIHYDROPYRAZINO-PYRAZINES**
[72] RAYMON, HEATHER, US
[72] XU, SHUICHAN, US
[72] LOPEZ-GIRONA, ANTONIA, US
[72] TSUJI, TOSHIYA, US
[72] HEGE, KRISTEN MAE, US
[72] FILVAROFF, ELLEN, US
[73] SIGNAL PHARMACEUTICALS, LLC, US
[85] 2015-10-05
[86] 2014-04-16 (PCT/US2014/034306)
[87] (WO2014/172426)
[30] US (61/813,031) 2013-04-17
[30] US (61/815,492) 2013-04-24

[11] **2,909,215**
[13] C
[51] **Int.Cl. E04D 3/08 (2006.01) E04B 7/06 (2006.01) E04C 3/04 (2006.01)**
[25] EN
[54] **ROOF STRUCTURE**
[54] **STRUCTURE DE TOIT**
[72] THOMSON, ANDREW, GB
[73] ULTRAFRAME (UK) LIMITED, GB
[85] 2015-10-09
[86] 2014-04-14 (PCT/GB2014/051155)
[87] (WO2014/167362)
[30] GB (1306703.8) 2013-04-12

[11] **2,910,356**
[13] C
[51] **Int.Cl. C01B 3/02 (2006.01) C01B 3/38 (2006.01) C01B 3/48 (2006.01)**
[25] EN
[54] **A PROCESS FOR PRODUCING AMMONIA SYNTHESIS GAS WITH HIGH TEMPERATURE SHIFT AND LOW STEAM-TO-CARBON RATIO**
[54] **PROCEDE DE PRODUCTION D'UN GAZ DE SYNTHESE A BASE D'AMMONIAC AVEC UNE CONVERSION A TEMPERATURE ELEVEE ET UN RAPPORT VAPEUR/CARBONE FAIBLE**
[72] OSTUNI, RAFFAELE, CH
[72] FILIPPI, ERMANNO, CH
[73] CASALE SA, CH
[85] 2015-10-23
[86] 2014-05-05 (PCT/EP2014/059055)
[87] (WO2014/180763)
[30] EP (13167211.5) 2013-05-10

[11] **2,910,573**
[13] C
[51] **Int.Cl. H03M 13/41 (2006.01) H04H 20/30 (2009.01) H04L 1/00 (2006.01)**
[25] EN
[54] **ITERATIVE FORWARD ERROR CORRECTION DECODING FOR FM IN-BAND ON-CHANNEL RADIO BROADCASTING SYSTEMS**
[54] **DECODAGE A CORRECTION D'ERREUR SANS VOIE DE RETOUR ITERATIF POUR SYSTEMES DE RADIODIFFUSION DANS LE MEME CANAL DANS LA MEME BANDE (IBOC) FM**
[72] KROEGER, BRIAN W., US
[72] PEYLA, PAUL J., US
[73] IBIQUITY DIGITAL CORPORATION, US
[85] 2015-10-26
[86] 2014-05-01 (PCT/US2014/036398)
[87] (WO2014/179588)
[30] US (61/818,978) 2013-05-03
[30] US (61/827,118) 2013-05-24
[30] US (14/266,907) 2014-05-01

[11] **2,911,231**
[13] C
[51] **Int.Cl. C07D 489/02 (2006.01) A61K 31/485 (2006.01) A61P 3/04 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **MORPHAN AND MORPHINAN ANALOGUES, AND METHODS OF USE**
[54] **ANALOGUES DE MORPHANE ET MORPHINANE, ET PROCEDES D'UTILISATION**
[72] BLUMBERG, LAURA COOK, US
[72] DEAVER, DANIEL R., US
[72] EYERMAN, DAVID J., US
[72] WYNN, THOMAS ANDREW, US
[73] ALKERMES PHARMA IRELAND LIMITED, IE
[85] 2015-11-03
[86] 2014-05-23 (PCT/US2014/039359)
[87] (WO2014/190270)
[30] US (61/827,210) 2013-05-24

[11] **2,911,644**
[13] C
[51] **Int.Cl. E04G 21/12 (2006.01) B28B 23/04 (2006.01) E04C 5/08 (2006.01)**
[25] EN
[54] **PREGROUTED PC STEEL MATERIAL AND CURING METHOD FOR PREGROUTED LAYER THEREIN**
[54] **MATERIAU D'ACER PC PREJOINTE ET METHODE DE DURCISSEMENT DESTINE A LA COUCHE PREJOINTEE INTEGREE**
[72] OSHIMA, KATSUHITO, JP
[72] YAMADA, MASATO, JP
[72] MATSUBARA, YOSHIYUKI, JP
[72] MATSUSHITA, KIMINORI, JP
[72] TANAKA, SHUICHI, JP
[72] SUGAWARA, JUN, JP
[72] NAKAJIMA, SHINGO, JP
[73] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP
[85] 2015-11-05
[86] 2014-12-18 (PCT/JP2014/083527)
[87] (WO2015/098683)
[30] JP (2013-266343) 2013-12-25
[30] JP (2014-245912) 2014-12-04

[11] **2,912,365**
[13] C
[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/564 (2006.01)**
[25] EN
[54] **DETECTION OF GLUTEN-SPECIFIC T-CELLS**
[54] **DETECTION DE LYMPHOCYTES T SPECIFIQUES DU GLUTEN**
[72] SOLLID, LUDVIG, NO
[72] QIAO, SHUO-WANG, NO
[72] CHRISTOPHERSEN, ASBJORN, NO
[72] LUNDIN, KNUT E.A., NO
[73] OSLO UNIVERSITETSSYKEHUS HF, NO
[85] 2015-11-12
[86] 2014-05-14 (PCT/IB2014/001803)
[87] (WO2014/191839)
[30] US (61/823,072) 2013-05-14

[11] **2,913,015**
[13] C
[51] **Int.Cl. G06F 13/14 (2006.01)**
[25] EN
[54] **HONEYPORT ACTIVE NETWORK SECURITY**
[54] **SECURITE DE RESEAU ACTIF POT DE MIEL**
[72] SCHWARTZ, MATTHEW RICHARD, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2015-11-19
[86] 2014-04-21 (PCT/US2014/034751)
[87] (WO2014/193559)
[30] US (13/907,867) 2013-06-01

---

[11] **2,913,952**
[13] C
[51] **Int.Cl. H01B 1/22 (2006.01) C09D 183/04 (2006.01)**
[25] EN
[54] **CONDUCTORS COMPRISING A FUNCTIONALIZED ORGANOSILOXANE NETWORK AND METHODS FOR THE PREPARATION THEREOF**
[54] **CONDUCTEURS COMPRENANT UN RESEAU D'ORGANOSILOXANE FONCTIONNALISE ET LEURS PROCEDES DE PREPARATION**
[72] XIAO, GAOZHI GEORGE, CA
[72] TAO, YE, CA
[72] ZHANG, ZHIYI, CA
[72] LU, JIANPING, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2015-11-30
[86] 2014-05-28 (PCT/CA2014/000464)
[87] (WO2014/190417)
[30] US (61/828,903) 2013-05-30

---

[11] **2,914,041**
[13] C
[51] **Int.Cl. C07D 309/32 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07D 405/12 (2006.01) C07K 5/062 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **DRUG ANTIBODY CONJUGATES**
[54] **CONJUGUES DE MEDICAMENT ANTICORPS**
[72] DEL CARMEN CUEVAS MARCHANTE, MARIA, ES
[72] DOMINGUEZ CORREA, JUAN MANUEL, ES
[72] FRANCESCH SOLLOSO, ANDRES, ES
[72] GARRANZO GARCIA-IBARROLA, MARIA, ES
[72] MUNOZ ALONSO, MARIA JOSE, ES
[72] SANCHEZ MADRID, FRANCISCO, ES
[72] ZAPATA HERNANDEZ, JUAN MANUEL, ES
[72] GARCIA ARROYO, ALICIA, ES
[72] ANGELES URSA PECHARROMAN, MARIA, ES
[73] PHARMA MAR, S.A., ES
[85] 2015-11-30
[86] 2014-06-02 (PCT/EP2014/061392)
[87] (WO2014/191578)
[30] GB (1309807.4) 2013-05-31

---

[11] **2,915,097**
[13] C
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/074 (2010.01)**
[25] EN
[54] **RENAL PROGENITOR CELLS**
[54] **CELLULES PROGENITRICES RENALES**
[72] LITTLE, MELISSA, AU
[72] TAKASATO, MINORU, AU
[73] THE UNIVERSITY OF QUEENSLAND, AU
[85] 2015-12-11
[86] 2014-06-13 (PCT/AU2014/000608)
[87] (WO2014/197934)
[30] AU (2013902215) 2013-06-14
[30] AU (2013904580) 2013-11-27

---

[11] **2,916,235**
[13] C
[51] **Int.Cl. B65B 35/50 (2006.01) A47C 3/04 (2006.01) A47C 3/18 (2006.01) A47C 7/00 (2006.01) B65G 57/00 (2006.01)**
[25] EN
[54] **STACKING RING FOR CHAIR BASES**
[54] **ANNEAU D'EMPILEMENT POUR BASES DE CHAISE**
[72] HUTCHINSON, THOMAS A., JR., US
[72] HUTCHINSON, RICHARD E., US
[72] HUTCHINSON, GERALD A., US
[73] MEDWAY PLASTICS CORPORATION, US
[85] 2015-12-18
[86] 2014-06-18 (PCT/US2014/043019)
[87] (WO2014/205125)
[30] US (61/838,089) 2013-06-21
[30] US (62/004,351) 2014-05-29

---

[11] **2,917,031**
[13] C
[51] **Int.Cl. C07J 43/00 (2006.01) A61K 31/58 (2006.01) A61P 15/18 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **IMIDAZOLYL PROGESTERONE ANTAGONISTS**
[54] **ANTAGONISTES DE LA PROGESTERONE IMIDAZOLYL**
[72] NICKISCH, KLAUS, DE
[72] ELGER, WALTER, DE
[72] SANTHAMMA, BINDU, US
[73] EVESTRA, INC., US
[85] 2015-12-24
[86] 2014-06-05 (PCT/US2014/041002)
[87] (WO2014/197653)
[30] US (13/910,273) 2013-06-05

---

[11] **2,917,666**
[13] C
[51] **Int.Cl. F16K 31/08 (2006.01) F16K 31/00 (2006.01)**
[25] EN
[54] **VALVE APPARATUS AND SYSTEM**
[54] **APPAREIL ET SYSTEME DE VANNE**
[72] LANIGAN, RICHARD J., US
[72] BLUMBERG, DAVID, JR., US
[72] MOREAU, TIMOTHY D., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2016-01-06
[86] 2014-07-09 (PCT/US2014/046006)
[87] (WO2015/006483)
[30] US (61/844,202) 2013-07-09

[11] **2,917,699**
[13] C
[51] **Int.Cl. C07H 1/08 (2006.01) C07H 15/24 (2006.01)**
[25] EN
[54] **RECOVERY OF STEVIOL GLYCOSIDES**
[54] **RECUPERATION DE GLYCOSIDES DE STEVIOL**
[72] GALAEV, IGOR, NL
[73] DSM IP ASSETS B.V., NL
[85] 2016-01-07
[86] 2014-07-31 (PCT/EP2014/066536)
[87] (WO2015/014959)
[30] US (13/956,144) 2013-07-31

[11] **2,919,648**
[13] C
[51] **Int.Cl. A61K 47/44 (2017.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **NATURAL SOLUBILIZER AGENT COMPRISING A SYNERGISTIC BLEND OF HEPTYL GLUCOSIDE AND OLIVE OIL GLYCERETH-8 ESTERS FOR TRANSDERMAL COMPOSITIONS**
[54] **AGENT SOLUBILISANT NATUREL RENFERMANT UN MELANGE SYNERGIQUE D'HEPTYL GLUCOSIDE ET D'ESTERS 8-GLYCERETH D'HUILE D'OLIVE DESTINE A DES COMPOSITIONS TRANSDERMIQUES**
[72] BANOV, DANIEL, US
[73] PROFESSIONAL COMPOUNDING CENTERS OF AMERICA (PCCA), US
[86] (2919648)
[87] (2919648)
[22] 2016-02-02
[30] US (14/682,317) 2015-04-09

[11] **2,920,690**
[13] C
[51] **Int.Cl. F42B 33/00 (2006.01) B29C 45/16 (2006.01) C06C 9/00 (2006.01) F42B 5/16 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING MULTI-LAYERED PROPELLANT GRAINS**
[54] **PROCEDE DE FABRICATION DE BLOCS DE POUDRE MULTICOUCHE**
[72] DURAND, SIMON, CA
[72] PARADIS, PIERRE-YVES, CA
[72] LEPAGE, DANIEL, CA
[73] GENERAL DYNAMICS ORDNANCE AND TACTICAL SYSTEMS - CANADA VALLEYFIELD INC., CA
[85] 2016-02-08
[86] 2014-08-08 (PCT/CA2014/050755)
[87] (WO2015/021545)
[30] US (61/866,748) 2013-08-16
[30] US (14/166,622) 2014-01-28

[11] **2,920,801**
[13] C
[51] **Int.Cl. H03F 1/02 (2006.01)**
[25] EN
[54] **PREDISTORTION IN SATELLITE SIGNAL TRANSMISSION SYSTEMS**
[54] **PREACCENTUATION DANS LES SYSTEMES D'EMISSION DE SIGNAUX PAR SATELLITE**
[72] ABOUELENIN, AHMED, GB
[73] AIRBUS DS LIMITED, GB
[85] 2016-02-09
[86] 2014-08-06 (PCT/GB2014/052414)
[87] (WO2015/019091)
[30] GB (1314336.7) 2013-08-09

[11] **2,922,984**
[13] C
[51] **Int.Cl. G01F 23/74 (2006.01) G01K 7/16 (2006.01)**
[25] EN
[54] **RESISTIVE LIQUID LEVEL/TEMPERATURE SENSOR AND TRANSMITTER**
[54] **CAPTEUR ET EMETTEUR DE NIVEAU/TEMPERATURE DE LIQUIDE RESISTIF**
[72] CHANG, KEN, US
[73] OLEUMTECH CORPORATION, US
[85] 2016-03-01
[86] 2014-09-23 (PCT/US2014/051456)
[87] (WO2015/034656)

[11] **2,923,157**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **AUTOMATION SYSTEM FOR IMPLEMENTING A STANDARDIZED DESIGN METHODOLOGY FOR A PROCESS AUTOMATION SERVICE**
[54] **SYSTEME D'AUTOMATISATION SERVANT A LA MISE EN PLACE D'UNE METHODOLOGIE DE CONCEPTION NORMALISEE D'UN SERVICE D'AUTOMATISATION DE PROCEDE**
[72] GOEL, NISHANT, IN
[72] PODDER, SANJAY, IN
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2923157)
[87] (2923157)
[22] 2016-03-08
[30] US (14/670,889) 2015-03-27

[11] **2,923,208**
[13] C
[51] **Int.Cl. A01K 1/015 (2006.01) A01K 29/00 (2006.01) A61L 9/014 (2006.01) B01J 20/30 (2006.01) B01J 20/32 (2006.01)**
[25] EN
[54] **ANTI-ODOR MATERIAL FOR ANIMAL LITTERS USING PHOSPHOROTRIAMIDES IN POWDER FORM**
[54] **MATIERE ANTI-ODEURS POUR DES LITIERES POUR ANIMAUX UTILISANT DES PHOSPHOROTRIAMIDES SOUS FORME PULVERULENTE**
[72] JOLLEZ, PAUL, CA
[73] 9360-3561 QUEBEC INC., CA
[85] 2016-03-04
[86] 2014-09-05 (PCT/CA2014/050844)
[87] (WO2015/031998)
[30] US (61/874,502) 2013-09-06

[11] **2,923,497**
[13] C
[51] **Int.Cl. G01F 1/74 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR MEASUREMENT OF INDIVIDUAL COMPONENTS OF A MULTIPHASE FLUID**
[54] **PROCEDE ET APPAREIL POUR LA MESURE DE CONSTITUANTS INDIVIDUELS D'UN FLUIDE POLYPHASIQUE**
[72] WEE, ARNSTEIN, NO
[72] GUNDERSEN, KENNETH, NO
[73] FMC KONGSBERG SUBSEA AS, NO
[85] 2016-03-04
[86] 2014-10-01 (PCT/NO2014/050184)
[87] (WO2015/050460)
[30] NO (20131320) 2013-10-01

---

[11] **2,923,839**
[13] C
[51] **Int.Cl. B65D 81/32 (2006.01) B65D 30/10 (2006.01)**
[25] EN
[54] **MULTI-COMPARTMENT PACKAGE**
[54] **EMBALLAGE MULTI-COMPARTIMENTS**
[72] KAHAIAN, ARTHUR J., US
[72] WELZ, SASCHA J., US
[72] SCHWARTZ, JOE L., US
[72] BAUER, ADAM J., US
[72] SAMPSON, LYLE, US
[73] ECOLAB USA INC., US
[85] 2016-03-09
[86] 2014-09-11 (PCT/US2014/055168)
[87] (WO2015/038756)
[30] US (61/877,811) 2013-09-13

---

[11] **2,924,119**
[13] C
[51] **Int.Cl. A62D 1/00 (2006.01)**
[25] EN
[54] **FIRE RETARDANT COMPOUNDS**
[54] **COMPOSES NOVATEURS IGNIFUGES**
[72] GREGERSEN, KIMBERLY-ALICE D., US
[72] MORELAND, JAMES CRAIG, US
[72] BADAEVA, EKATERINA A., US
[72] ZWEIG, ANDREW M., US
[73] THE BOEING COMPANY, US
[86] (2924119)
[87] (2924119)
[22] 2016-03-16
[30] US (14/753,760) 2015-06-29

---

[11] **2,924,619**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **4-AZAINDOLE DERIVATIVES**
[54] **DERIVES DE 4-AZAINDOLE**
[72] PAYNE, ANDREW, GB
[72] CASTRO PINEIRO, JOSE LUIS, GB
[72] BIRCH, LOUISE MICHELLE, GB
[72] KHAN, AFZAL, GB
[72] BRAUNTON, ALAN JAMES, GB
[72] KITULAGODA, JAMES EDWARD, GB
[72] SOEJIMA, MOTOHIRO, JP
[73] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2016-03-16
[86] 2014-09-30 (PCT/IB2014/001978)
[87] (WO2015/049574)
[30] GB (1317363.8) 2013-10-01

---

[11] **2,924,924**
[13] C
[51] **Int.Cl. G01S 19/49 (2010.01) G01S 19/10 (2010.01) G01S 19/23 (2010.01) G01S 19/40 (2010.01)**
[25] EN
[54] **DEAD RECKONING-AUGMENTED GPS FOR TRACKED VEHICLES**
[54] **GPS AMELIORE PAR NAVIGATION A L'ESTIME POUR VEHICULES A CHENILLES**
[72] PYKE, SANDY, CA
[72] LAVIGNE, JAMIE, CA
[72] MARSHALL, JOSHUA, CA
[72] PECK, JONATHAN, CA
[72] SCOTT, ANDREW, CA
[73] PECK TECH CONSULTING LTD., CA
[85] 2016-03-21
[86] 2014-10-21 (PCT/CA2014/000755)
[87] (WO2015/058281)
[30] US (61/895,342) 2013-10-24

---

[11] **2,924,953**
[13] C
[51] **Int.Cl. C07D 471/08 (2006.01) C07D 401/12 (2006.01) C07B 61/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING DIAZABICYCLOOCTANE DERIVATIVE AND INTERMEDIATE THEREOF**
[54] **PROCEDE DE PRODUCTION D'UN DERIVE DE DIAZABICYCLOOCTANE ET CORPS INTERMEDIAIRE A CET EFFET**
[72] ABE, TAKAO, JP
[72] FURUUCHI, TAKESHI, JP
[72] SAKAMAKI, YOSHIAKI, JP
[72] MITSUHASHI, NAKAKO, JP
[73] MEIJI SEIKA PHARMA CO., LTD., JP
[85] 2016-03-21
[86] 2014-09-24 (PCT/JP2014/075203)
[87] (WO2015/046207)
[30] JP (2013-197110) 2013-09-24

---

[11] **2,924,990**
[13] C
[51] **Int.Cl. F03D 13/25 (2016.01) B63B 21/50 (2006.01) B63B 35/44 (2006.01) B63B 43/06 (2006.01)**
[25] EN
[54] **FLOATING WIND TURBINE SUPPORT SYSTEM**
[54] **SYSTEME DE SUPPORT DE TURBINE EOLIENNE FLOTTANT**
[72] DAGHER, HABIB J., US
[72] VISELLI, ANTHONY M., US
[73] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US
[85] 2016-03-17
[86] 2014-09-24 (PCT/US2014/057236)
[87] (WO2015/048147)
[30] US (61/881,806) 2013-09-24

[11] **2,925,034**
[13] C
[51] **Int.Cl. C07C 37/00 (2006.01) C07C 41/01 (2006.01) C07C 309/29 (2006.01)**
[25] EN
[54] **PREPARATION OF HYDROXY-BENZYLBENZENE DERIVATIVES**
[54] **PREPARATION DE DERIVES D'HYDROXY-BENZYLBENZENE**
[72] ROBERGE, JACQUES, US
[72] VAXELAIRE, CARINE, CN
[72] LIU, BAOHU, CN
[72] XU, GE, CN
[72] ZHANG, JIAN, CN
[72] TANG, XINXING, CN
[72] XU, BAIHUA, US
[73] THERACOS SUB, LLC, US
[85] 2016-03-22
[86] 2014-10-11 (PCT/CN2014/000898)
[87] (WO2015/051597)
[30] CN (PCT/CN2013/001227) 2013-10-12

[11] **2,925,170**
[13] C
[51] **Int.Cl. C01F 7/34 (2006.01) C22B 3/10 (2006.01) C22B 3/46 (2006.01) C22B 21/04 (2006.01) C25C 3/06 (2006.01)**
[25] EN
[54] **PROCESSES FOR PREPARING ALUMINA AND VARIOUS OTHER PRODUCTS**
[54] **PROCEDES DE PREPARATION D'ALUMINE ET DE DIVERS AUTRES PRODUITS**
[72] BOUDREAULT, RICHARD, CA
[72] FOURNIER, JOEL, CA
[72] LABRECQUE-GILBERT, MARIE-MAXIME, CA
[72] DUMONT, HUBERT, CA
[72] BOUFFARD, JONATHAN, CA
[72] ARGUIN, DENIS, CA
[73] AEM TECHNOLOGIES INC., CA
[85] 2016-03-23
[86] 2014-09-26 (PCT/CA2014/000714)
[87] (WO2015/042692)
[30] US (61/882,864) 2013-09-26
[30] US (61/947,908) 2014-03-04

[11] **2,925,198**
[13] C
[51] **Int.Cl. C08L 5/08 (2006.01) A61K 9/14 (2006.01) A61K 47/36 (2006.01) C07H 21/00 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **DUALLY DERIVATIZED CHITOSAN NANOPARTICLES AND METHODS OF MAKING AND USING THE SAME FOR GENE TRANSFER IN VIVO**
[54] **NANOPARTICULES DE CHITOSANE DOUBLEMENT DERIVATISE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION POUR LE TRANSFERT DE GENE IN VIVO**
[72] GAO, JUN, CA
[72] HSU, ERIC, CA
[72] CHEUNG, ANTHONY, CA
[73] ENGENE, INC., CA
[85] 2016-03-23
[86] 2014-09-25 (PCT/CA2014/050921)
[87] (WO2015/042711)
[30] US (61/882,500) 2013-09-25

[11] **2,926,139**
[13] C
[51] **Int.Cl. B01J 20/26 (2006.01) B01D 17/022 (2006.01) B01D 27/04 (2006.01) B01D 35/02 (2006.01) B01J 20/28 (2006.01) B01J 20/30 (2006.01) C09K 3/32 (2006.01)**
[25] EN
[54] **OIL ABSORBENT PAD**
[54] **TAMPON ABSORBANT L'HUILE**
[72] BENNETT, WAYNE, CA
[73] BOSSAER, DARRYL, CA
[85] 2016-04-01
[86] 2014-09-12 (PCT/CA2014/050867)
[87] (WO2015/039229)
[30] US (61/878,830) 2013-09-17

[11] **2,926,244**
[13] C
[51] **Int.Cl. E05B 27/00 (2006.01) E05B 35/00 (2006.01)**
[25] EN
[54] **CYLINDER LOCK WITH INTERNAL SLIDER AND KEY THEREFORE**
[54] **SERRURE A CYLINDRE COMPRENANT UN COULISSEAU INTERNE ET SA CLE**
[72] FIELD, PETER H., US
[72] HARTMAN, GLENN, US
[73] ASSA ABLOY HIGH SECURITY GROUP INC., US
[85] 2016-04-01
[86] 2014-10-02 (PCT/US2014/058817)
[87] (WO2015/051114)
[30] US (61/886,388) 2013-10-03

[11] **2,926,606**
[13] C
[51] **Int.Cl. H04B 5/02 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **METHODS FOR SECURE COMMUNICATION AND PAIRING OF A MEDICAL INFUSION DEVICE AND A REMOTE CONTROLLER FOR SUCH MEDICAL DEVICE**
[54] **PROCEDES SECURISES DE COMMUNICATION ET D'APPARIEMENT D'UN DISPOSITIF MEDICAL DE PERFUSION AVEC UN DISPOSITIF DE COMMANDE A DISTANCE DESTINE A UN TEL DISPOSITIF MEDICAL**
[72] BRUKALO, KRZYSZTOF Z., US
[72] EBNER, MANFRED, DE
[72] GETZ, STEVEN, US
[72] HOHL, DAVID, US
[72] POHLMAN, DAVID, US
[72] HENDRIXSON, CHARLES, US
[72] QUINLAN, JOHN, US
[73] ANIMAS CORPORATION, US
[85] 2016-03-29
[86] 2014-09-05 (PCT/US2014/054275)
[87] (WO2015/047693)
[30] US (14/041,536) 2013-09-30

[11] **2,926,792**
[13] C
[51] **Int.Cl. C08L 67/04 (2006.01) A61K 47/59 (2017.01) A61K 47/68 (2017.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) C08L 79/02 (2006.01)**
[25] EN
[54] **A NOVEL PLGA-MODIFIED POLYETHYLENIMINE SELF-ASSEMBLY NANOTECHNOLOGY FOR NUCLEIC ACID AND DRUG DELIVERY**
[54] **NOUVELLE NANOTECHNOLOGIE D'AUTO-ASSEMBLAGE DE POLYETHYLENIMINE MODIFIEE PAR PLGA**
[72] LU, JIAN-MING, US
[72] YAO, QIZHI, US
[72] CHEN, CHANGYI, US
[73] BAYLOR COLLEGE OF MEDICINE, US
[85] 2016-04-07
[86] 2014-08-13 (PCT/US2014/050930)
[87] (WO2015/023775)
[30] US (61/865,189) 2013-08-13

[11] **2,926,896**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01) B60L 15/32 (2006.01) B60P 3/00 (2006.01) B66F 9/06 (2006.01)**
[25] FR
[54] **LOGISTICAL FLOW MANAGEMENT SYSTEM FOR AN ELECTROLYSIS, ALUMINERY, VEHICLE PLANT AND PROCESS FOR IMPLEMENTING THIS SYSTEM**
[54] **SYSTEME DE GESTION DE FLUX LOGISTIQUES D'UNE USINE D'ELECTROLYSE, ALUMINERIE, VEHICULE ET PROCEDE D'IMPLANTATION DE CE SYSTEME**
[72] PRODENT, STEPHANE, FR
[72] RUGET, GABRIEL, FR
[72] BAYARD, CHRISTOPHE, FR
[73] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA
[85] 2016-04-08
[86] 2014-10-23 (PCT/IB2014/002223)
[87] (WO2015/059557)
[30] FR (13/02483) 2013-10-25

[11] **2,927,118**
[13] C
[51] **Int.Cl. B01J 37/20 (2006.01) B01J 23/883 (2006.01) B01J 27/19 (2006.01) B01J 37/00 (2006.01) B01J 37/02 (2006.01) C10G 45/08 (2006.01) B01J 31/04 (2006.01) B01J 35/00 (2006.01) B01J 35/10 (2006.01) B01J 37/28 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING A HYDROTREATING CATALYST**
[54] **PROCEDE PERMETTANT DE PREPARER UN CATALYSEUR D'HYDROTRAITEMENT**
[72] WINTER, FERRY, NL
[72] VAN WELSENES, JAN AREND, NL
[72] RIGUTTO, MARCELLO STEFANO, NL
[72] GILTAY, PATRICIA JOHANNA ANNE MARIA, NL
[72] VAN VLAANDEREN, JOHANNES JACOBUS MARIA, NL
[72] AZGHAY, ALI, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2016-04-12
[86] 2014-11-04 (PCT/EP2014/073639)
[87] (WO2015/067585)
[30] EP (13191902.9) 2013-11-07

[11] **2,928,581**
[13] C
[51] **Int.Cl. G01N 33/52 (2006.01) G01N 31/22 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **METHODS AND ARTICLES FOR THE DETECTION OF EXPOSURE TO POLYHYDROXYAROMATIC SKIN IRRITANTS**
[54] **PROCEDES ET ARTICLES POUR LA DETECTION D'UNE EXPOSITION A DES IRRITANTS CUTANES POLYHYDROXYAROMATIQUES**
[72] BROWN, LARRY RICHARD, US
[72] FEENEY, ROBERT DAVID, US
[73] SEELEAF, INC., US
[85] 2016-04-22
[86] 2014-11-06 (PCT/US2014/064427)
[87] (WO2015/069945)
[30] US (61/901,512) 2013-11-08

[11] **2,929,134**
[13] C
[51] **Int.Cl. A01G 7/06 (2006.01) A01M 21/04 (2006.01) B65D 59/02 (2006.01) B65D 83/00 (2006.01) B27K 3/10 (2006.01)**
[25] EN
[54] **TREE TREATMENT CAPSULE**
[54] **CAPSULE DE TRAITEMENT D'ARBRE**
[72] MERVING, HANS A.K., SE
[73] MERTEC AB, SE
[85] 2016-04-28
[86] 2014-10-29 (PCT/SE2014/051274)
[87] (WO2015/065277)
[30] SE (1351302-3) 2013-11-04

[11] **2,929,177**
[13] C
[51] **Int.Cl. A23L 5/00 (2016.01) A23K 10/20 (2016.01) A23L 35/00 (2016.01) A23P 10/00 (2016.01) A23L 3/00 (2006.01) A23L 3/40 (2006.01)**
[25] EN
[54] **INSECT PRODUCTS AND METHODS OF MANUFACTURE AND USE THEREOF**
[54] **PRODUITS A BASE D'INSECTES ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] DOSSEY, AARON T., US
[73] DOSSEY, AARON T., US
[85] 2016-04-28
[86] 2014-11-11 (PCT/US2014/064920)
[87] (WO2015/070194)
[30] US (61/902,346) 2013-11-11

[11] **2,929,305**
[13] C
[51] **Int.Cl. H02K 11/00 (2016.01) B66C 13/28 (2006.01) B66C 13/30 (2006.01) B66D 5/30 (2006.01) H02K 17/30 (2006.01) H02P 3/22 (2006.01)**
[25] EN
[54] **MOTOR ASSEMBLY AND HOIST DRIVE**
[54] **ENSEMBLE MOTEUR ET ENTRAINEMENT DE LEVAGE**
[72] REPO, ANNA-KAISA, FI
[72] UUSINIITTY, TONI, FI
[72] VEPSALAINEN, JARMO, FI
[72] HIETANEN, LAURI, FI
[72] HAALAHTI, MARKO, FI
[73] KONECRANES GLOBAL CORPORATION, FI
[85] 2016-04-29
[86] 2014-12-01 (PCT/FI2014/050931)
[87] (WO2015/082766)
[30] FI (20136220) 2013-12-04

[11] **2,929,378**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 7/04 (2006.01) C07D 487/12 (2006.01)**
[25] EN
[54] **(AZA)PYRIDOPYRAZOLOPYRIMIDINONES AND INDAZOLOPYRIMIDINONES AND THEIR USE**
[54] **(AZA)PYRIDOPYRAZOLOPYRIMIDINONES ET INDAZOLOPYRIMIDINONES ET LEURS UTILISATIONS**
[72] HASSFELD, JORMA, DE
[72] KINZEL, TOM, CN
[72] KOBBERLING, JOHANNES, DE
[72] CANCHO GRANDE, YOLANDA, DE
[72] BEYER, KRISTIN, US
[72] ROHRIG, SUSANNE, DE
[72] KOLLNBERGER, MARIA, DE
[72] SPERZEL, MICHAEL, DE
[72] BURKHARDT, NILS, DE
[72] SCHLEMMER, KARL-HEINZ, DE
[72] STEGMANN, CHRISTIAN, DE
[72] SCHUHMACHER, JOACHIM, DE
[72] WERNER, MATTHIAS, DE
[72] ELLERMANN, MANUEL, DE
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2016-05-02
[86] 2014-11-03 (PCT/EP2014/073529)
[87] (WO2015/067549)
[30] EP (13191642.1) 2013-11-05

[11] **2,929,423**
[13] C
[51] **Int.Cl. C07D 403/14 (2006.01) A61K 31/4192 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM OF (S)-(2-(6-CHLORO-7-METHYL-1H-BENZO[D]IMIDAZOL-2-YL)-2-METHYLPYRROLIDIN-1 -YL)(5-METHOXY-2-(2H-1 ,2,3-TRIAZOL-2-YL)PHENYL)METHANONE AND ITS USE AS OREXIN RECEPTOR ANTAGONISTS**
[54] **FORME CRISTALLINE DE (S)-(2-(6-CHLORO-7-METHYL-1H-BENZO[D]IMIDAZOL-2-YL)-2-METHYLPYRROLIDIN-1 -YL)(5-METHOXY-2-(2H-1,2,3-TRIAZOL-2-YL)PHENYL)METHANONE ET UTILISATION DE CELLE-CI E N TANT QU'ANTAGONISTES DES RECEPTEURS DE L'OREXINE**
[72] BOSS, CHRISTOPH, CH
[72] BROTSCHI, CHRISTINE, CH
[72] GUDE, MARKUS, CH
[72] HEIDMANN, BIBIA, CH
[72] SIFFERLEN, THIERRY, CH
[72] VON RAUMER, MARKUS, CH
[72] WILLIAMS, JODI T., CH
[73] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2016-05-02
[86] 2014-12-02 (PCT/IB2014/066508)
[87] (WO2015/083070)
[30] IB (PCT/IB2013/060596) 2013-12-03

[11] **2,929,594**
[13] C
[51] **Int.Cl. C07C 5/333 (2006.01)**
[25] EN
[54] **CATALYTIC DEHYDROGENATION PROCESS**
[54] **PROCESSUS DE DESHYDROGENATION CATALYTIQUE**
[72] PRETZ, MATTHEW T., US
[72] STEWART, MARK W., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2016-05-04
[86] 2014-10-14 (PCT/US2014/060371)
[87] (WO2015/073152)
[30] US (61/903,050) 2013-11-12

[11] **2,929,772**
[13] C
[51] **Int.Cl. B32B 15/08 (2006.01) C08K 7/00 (2006.01) C08L 31/04 (2006.01) C09K 21/14 (2006.01)**
[25] EN
[54] **SOLID COMPOSITE INTUMESCENT STRUCTURES FOR FIRE PROTECTION**
[54] **STRUCTURES INTUMESCENTES COMPOSITES SOLIDES POUR LUTTER CONTRE L'INCENDIE**
[72] TONG, JIANGDONG, CA
[72] ZHU, HUI, CA
[72] LIVINGSTONE, DAVID E., CA
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2016-05-05
[86] 2014-10-31 (PCT/US2014/063395)
[87] (WO2015/073228)
[30] US (61/903,130) 2013-11-12
[30] US (62/011,672) 2014-06-13

[11] **2,930,012**
[13] C
[51] **Int.Cl. A01N 43/64 (2006.01) A01N 25/02 (2006.01) A01N 25/04 (2006.01) A01N 25/12 (2006.01) A01N 25/14 (2006.01) A01P 13/02 (2006.01)**
[25] EN
[54] **COMPOSITION OF 1,5-DIMETHYL-6-THIOXO-3-(2,2,7-TRIFLUORO-3-OXO-4-(PROP-2-YNYL)-3,4-DIHYDRO-2H-BENZO[B][1,4]OXAZIN-6-YL)-1,3,5-TRIAZINANE-2,4-DIONE**
[54] **COMPOSITION DE 1,5-DIMETHYL-6-THIOXO-3-(2,2,7-TRIFLUORO-3-OXO-4-(PROP-2-YNYL)-3,4-DIHYDRO-2H-BENZO[B][1,4]OXAZIN-6-YL)-1,3,5-TRIAZINANE-2,4-DIONE**
[72] STEINBRENNER, ULRICH, DE
[72] STEUERWALD, JORG, DE
[72] SIMON, ANJA, DE
[73] BASF SE, DE
[85] 2016-05-09
[86] 2014-10-28 (PCT/EP2014/073073)
[87] (WO2015/071087)
[30] EP (13192898.8) 2013-11-14

[11] **2,930,136**
[13] C
[51] **Int.Cl. B29C 49/42 (2006.01) B29C 49/02 (2006.01) B29C 49/06 (2006.01) B29C 49/08 (2006.01) B65D 1/02 (2006.01) B65D 23/10 (2006.01) B65D 79/00 (2006.01)**
[25] EN
[54] **STRECHED-BLOW MOLDED CONTAINER HAVING AN INTEGRALY MOLDED DEEP GRIP AND PROCESS FOR MAKING SAID CONTAINER**
[54] **RECIPIENT MOULE PAR SOUFFLAGE ET ETIRE AYANT UNE POIGNEE PROFONDE MOULEE EN UNE SEULE PIECE ET PROCEDE POUR LA FABRICATION DUDIT RECIPIENT**
[72] VAN DIJCK, SAM, BE
[72] DESSAINT, ALAIN, BE
[72] MATTHIEU, NATALIA, BE
[73] PLASTIPAK BAWT S.A R.L., LU
[85] 2016-05-10
[86] 2014-11-25 (PCT/EP2014/075521)
[87] (WO2015/078855)
[30] EP (13194483.7) 2013-11-26

---

[11] **2,930,208**
[13] C
[51] **Int.Cl. H05H 1/24 (2006.01) H05H 1/30 (2006.01)**
[25] EN
[54] **METHOD FOR GENERATING AN ATMOSPHERIC PLASMA JET AND ATMOSPHERIC PLASMA MINITORCH DEVICE**
[54] **PROCEDE DE GENERATION D'UN JET DE PLASMA ATMOSPHERIQUE ET DISPOSITIF DE MINI-TORCHE A PLASMA ATMOSPHERIQUE**
[72] PATELLI, ALESSANDRO, IT
[72] VERGA FALZACAPPA, EMANUELE, IT
[72] SCOPECE, PAOLO, IT
[72] PIEROBON, ROBERTO, IT
[72] VEZZU', SIMONE, IT
[73] NADIR S.R.L., IT
[85] 2016-05-10
[86] 2014-11-14 (PCT/IB2014/002459)
[87] (WO2015/071746)
[30] IT (PD2013A000310) 2013-11-14

---

[11] **2,930,472**
[13] C
[51] **Int.Cl. F03B 3/12 (2006.01) F03B 11/00 (2006.01)**
[25] EN
[54] **AERATING SYSTEM FOR HYDRAULIC TURBINE**
[54] **SYSTEME D'AERATION POUR TURBINE HYDRAULIQUE**
[72] BEAULIEU, SEBASTIEN, CA
[72] SABOURIN, MICHEL, CA
[72] BORNARD, LAURENT, CA
[72] BOUTET-BLAIS, GUILLAUME, CA
[73] GE RENEWABLE TECHNOLOGIES, FR
[85] 2016-05-12
[86] 2014-10-28 (PCT/EP2014/073138)
[87] (WO2015/071094)
[30] EP (13290283.4) 2013-11-14

---

[11] **2,930,754**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **PYRAZOLOPYRIDINE DERIVATIVES AS MODULATORS OF TNF ACTIVITY**
[54] **DERIVES DE PYRAZOLOPYRIDINE COMME MODULATEURS DE L'ACTIVITE DU TNF**
[72] BROOKINGS, DANIEL CHRISTOPHER, GB
[72] JACKSON, VICTORIA ELIZABETH, GB
[72] KROEPLIEN, BORIS, GB
[73] UCB BIOPHARMA SRL, BE
[85] 2016-05-16
[86] 2014-12-08 (PCT/EP2014/076840)
[87] (WO2015/086502)
[30] GB (1321733.6) 2013-12-09

---

[11] **2,931,032**
[13] C
[51] **Int.Cl. F01D 5/02 (2006.01) F01D 25/04 (2006.01) F16F 15/32 (2006.01) G01M 1/36 (2006.01)**
[25] FR
[54] **BALANCED TURBINE ENGINE PORTION AND TURBINE ENGINE**
[54] **PARTIE DE TURBOMACHINE EQUILIBREE ET TURBOMACHINE**
[72] LE STRAT, JEAN-LUC, FR
[72] POHIER, HERVE, FR
[73] SNECMA, FR
[85] 2016-05-18
[86] 2014-11-24 (PCT/FR2014/053011)
[87] (WO2015/079150)
[30] FR (13 61640) 2013-11-26

---

[11] **2,931,302**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4745 (2006.01) A61P 5/46 (2006.01)**
[25] EN
[54] **OCTAHYDRO FUSED AZADECALIN GLUCOCORTICOID RECEPTOR MODULATORS**
[54] **MODULATEURS DE RECEPTEURS DE GLUCOCORTICOIDE AZADECALINE FUSIONNEE OCTAHYDRO**
[72] HUNT, HAZEL, GB
[72] WALTERS, IAIN, GB
[72] GOURDET, BENOIT, GB
[73] CORCEPT THERAPEUTICS, INC., US
[85] 2016-05-20
[86] 2014-11-21 (PCT/US2014/066759)
[87] (WO2015/077530)
[30] US (61/908,333) 2013-11-25
[30] US (61/985,035) 2014-04-28

[11] **2,931,592**
[13] C
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 9/48 (2006.01)**
[25] EN
[54] **ORAL FORMULATIONS OF PYRROLIDINE DERIVATIVES**
[54] **FORMULATIONS ORALES DE DERIVES DE PYRROLIDINE**
[72] CHOLLET, ANDRE, CH
[72] POHL, OLIVIER, CH
[73] OBSEVA S.A., CH
[85] 2016-05-25
[86] 2014-12-15 (PCT/EP2014/077767)
[87] (WO2015/091365)
[30] EP (13197606.0) 2013-12-17

---

[11] **2,931,983**
[13] C
[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/153 (2006.01) A61B 5/154 (2006.01)**
[25] EN
[54] **SYRINGE BASED FLUID DIVERSION MECHANISM FOR BODILY-FLUID SAMPLING**
[54] **MECANISME DE DEVIATION DE FLUIDE PAR UNE SERINGUE POUR L'ECHANTILLONNAGE DE LIQUIDE ORGANIQUE**
[72] BULLINGTON, GREGORY J., US
[72] PATTON, RICHARD G., US
[72] GAW, SHAN E., US
[73] MAGNOLIA MEDICAL TECHNOLOGIES, INC., US
[85] 2016-05-27
[86] 2013-12-02 (PCT/US2013/072563)
[87] (WO2014/085800)
[30] US (61/731,620) 2012-11-30

---

[11] **2,932,145**
[13] C
[51] **Int.Cl. C07J 1/00 (2006.01) C07J 7/00 (2006.01) C07J 41/00 (2006.01) C07J 51/00 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE PRODUCTION OF 19-NORPREGN-4-EN-3,20-DIONE-17.ALPHA.-OL (GESTONORONE) AND INTERMEDIATES THEREFOR**
[54] **PROCEDE DE PRODUCTION DE 19-NORPREGN-4-EN-3,20-DIONE-17?-OL (GESTONORONE) ET SES INTERMEDIAIRES**
[72] CSORGEI, JANOS, HU
[72] HORVATH, ANITA, HU
[72] SANTA, CSABA, HU
[72] MAHO, SANDOR, HU
[72] BENI, ZOLTAN, HU
[72] HORVATH, JANOS, HU
[73] RICHTER GEDEON NYRT., HU
[85] 2016-05-30
[86] 2014-12-15 (PCT/IB2014/066907)
[87] (WO2015/092647)
[30] HU (P1300722) 2013-12-16

---

[11] **2,932,806**
[13] C
[51] **Int.Cl. B65B 69/00 (2006.01) A01F 29/00 (2006.01)**
[25] EN
[54] **BALE PROCESSOR AND BINDING REMOVER**
[54] **APPAREIL DE TRAITEMENT DE BALLE ET DISPOSITIF D'ENLEVEMENT DE LIEN**
[72] STEENHOEK, CURTIS J., US
[72] VERHOEF, GARY, US
[72] DYKEMA, MATTHEW WILLIAM, US
[72] JOHNSON, BRIAN MICHAEL, US
[72] MOFFET, GARY D., US
[72] VAN ROEKEL, JAY C., US
[72] WEISHAAR, SCOTT A., US
[72] GARDNER, JOHN G., US
[73] VERMEER MANUFACTURING COMPANY, US
[86] (2932806)
[87] (2932806)
[22] 2016-06-10
[30] US (62/175,031) 2015-06-12

---

[11] **2,932,916**
[13] C
[51] **Int.Cl. G01N 21/00 (2006.01) G01N 21/63 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **BIOSENSORS FOR BIOLOGICAL OR CHEMICAL ANALYSIS AND METHODS OF MANUFACTURING THE SAME**
[54] **BIOCAPTEURS POUR ANALYSE BIOLOGIQUE OU CHIMIQUE ET LEURS METHODES DE FABRICATION**
[72] ZHONG, CHENG FRANK, US
[72] FINKELSTEIN, HOD, US
[72] BOYANOV, BOYAN, US
[72] DEHLINGER, DIETRICH, US
[72] SEGALE, DARREN, US
[73] ILLUMINA, INC., US
[85] 2016-06-06
[86] 2014-12-09 (PCT/US2014/069373)
[87] (WO2015/089092)
[30] US (61/914,275) 2013-12-10

---

[11] **2,932,970**
[13] C
[51] **Int.Cl. E21B 33/10 (2006.01) E21B 33/128 (2006.01) E21B 34/06 (2006.01) E21B 43/117 (2006.01)**
[25] EN
[54] **DEPLOYING AN EXPANDABLE DOWNHOLE SEAT ASSEMBLY**
[54] **DEPLOIEMENT D'UN ENSEMBLE SIEGE DE FOND DE TROU EXTENSIBLE**
[72] JACOB, GREGOIRE, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2016-06-06
[86] 2014-10-01 (PCT/US2014/058522)
[87] (WO2015/084479)
[30] US (61/912,660) 2013-12-06

[11] **2,933,777**
[13] C
[51] **Int.Cl. F02C 7/05 (2006.01) F02C 7/25 (2006.01)**
[25] FR
[54] **HOUSING MADE FROM AN ORGANIC-MATRIX COMPOSITE MATERIAL PROMOTING THE DISCHARGE OF SMOKE**
[54] **CARTER EN MATERIAU COMPOSITE A MATRICE ORGANIQUE FAVORISANT L'EVACUATION DES FUMEES**
[72] QUILLENT, HELENE, FR
[72] LANGEVIN, THOMAS, FR
[72] MOURLAN, JEAN-PIERRE ANDRE JOSEPH, FR
[72] PAIXAO, ADRIEN, FR
[72] SFARTI, FRANCOIS, FR
[73] SNECMA, FR
[85] 2016-06-13
[86] 2014-12-17 (PCT/FR2014/053397)
[87] (WO2015/092280)
[30] FR (1363213) 2013-12-20

---

[11] **2,934,167**
[13] C
[51] **Int.Cl. C01B 11/02 (2006.01) B01J 35/02 (2006.01)**
[25] EN
[54] **CHLORINE DIOXIDE GENERATION UNIT AND CHLORINE DIOXIDE GENERATOR**
[54] **UNITE DE GENERATION DE DIOXYDE DE CHLORE ET DISPOSITIF DE GENERATION DE DIOXYDE DE CHLORE**
[72] TAKIGAWA, YASUHIRO, JP
[72] NAKAHARA, KOICHI, JP
[72] KATO, DAISUKE, JP
[72] TAGUCHI, KAZUHIKO, JP
[72] MATSUBARA, KAZUKI, JP
[72] SOGAWA, KOSHIRO, JP
[72] TAURA, KOUICHI, JP
[72] SAKASEGAWA, MIYUSSE, JP
[73] TAIKO PHARMACEUTICAL CO., LTD., JP
[85] 2016-06-16
[86] 2014-12-19 (PCT/JP2014/083670)
[87] (WO2015/098732)
[30] JP (2013-271125) 2013-12-27
[30] JP (2014-225833) 2014-11-06

---

[11] **2,934,479**
[13] C
[51] **Int.Cl. D21F 1/32 (2006.01) D21F 7/12 (2006.01) D21G 9/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CONTROLLING THE CONDITIONS OF AT LEAST ONE BAND CIRCULATING IN A PAPER MAKING MACHINE AND PAPER MAKING MACHINE COMPRISING SAID APPARATUS**
[54] **APPAREIL ET PROCEDE DE CONTROLE DES CONDITIONS D'AU MOINS UNE BANDE CIRCULANT DANS UNE MACHINE DE FABRICATION DU PAPIER ET MACHINE DE FABRICATION DU PAPIER COMPRENANT LEDIT APPAREIL**
[72] CANALI, LUCA, IT
[72] CRISTINI, GIOVANNI, IT
[73] S.A. GIUSEPPE CRISTINI S.P.A., IT
[85] 2016-06-17
[86] 2014-12-29 (PCT/IB2014/067386)
[87] (WO2015/097682)
[30] IT (MI2013A002213) 2013-12-27

---

[11] **2,934,568**
[13] C
[51] **Int.Cl. B65D 47/12 (2006.01) B65D 1/02 (2006.01) B65D 8/00 (2006.01) B65D 47/06 (2006.01)**
[25] EN
[54] **CONTAINERS AND ATTACHMENTS THEREFOR**
[54] **CONTENANT ET ACCESSOIRES A Y FIXER**
[72] KANE, SHARON, GB
[73] KANE, SHARON, GB
[85] 2016-06-20
[86] 2013-12-23 (PCT/GB2013/053414)
[87] (WO2014/096869)
[30] GB (1223231.0) 2012-12-21

---

[11] **2,934,682**
[13] C
[51] **Int.Cl. A61K 35/28 (2015.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **MESENCHYMAL STEM CELLS AND USES THEREFOR**
[54] **CELLULES SOUCHES MESENCHYMATEUSES ET LEURS UTILISATIONS**
[72] PITTENGER, MARK F., US
[72] AGGARWAL, SUDEEPTA, US
[73] MESOBLAST INTERNATIONAL SARL, CH
[86] (2934682)
[87] (2934682)
[22] 2005-03-15
[62] 2,868,733
[30] US (60/555,118) 2004-03-22

---

[11] **2,934,788**
[13] C
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/498 (2006.01) A61K 31/536 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **BICYCLIC HETEROCYCLIC DERIVATIVES AS BROMODOMAIN INHIBITORS**
[54] **DERIVES BICYCLIQUES HETEROCYCLIQUES COMME INHIBITEURS DE BROMODOMAINES**
[72] SAMAJDAR, SUSANTA, IN
[72] ABBINENI, CHANDRASEKHAR, IN
[72] SASMAL, SANJITA, IN
[72] HOSAHALLI, SUBRAMANYA, IN
[73] ORION CORPORATION, FI
[85] 2016-06-21
[86] 2015-01-06 (PCT/IB2015/050090)
[87] (WO2015/104653)
[30] IN (125/CHE/2014) 2014-01-09

[11] **2,935,180**
[13] C
[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/06 (2006.01) A47J 31/36 (2006.01) A47J 31/40 (2006.01)**
[25] EN
[54] **BEVERAGE CARTRIDGE HOLDER WITH MOVABLE OUTLET**
[54] **SUPPORT DE CARTOUCHE DE BOISSON A ORIFICE DE SORTIE MOBILE**
[72] SMITH, GEOFFREY Y., US
[72] BRODIE, JONATHAN ALEXANDER, US
[72] FOSTER, STUART JAY, US
[72] SHEPARD, JAMES E., US
[72] RABINO, YOAV, US
[72] TINKLER, IAN, US
[73] KEURIG GREEN MOUNTAIN, INC., US
[85] 2016-06-23
[86] 2015-01-15 (PCT/US2015/011526)
[87] (WO2015/109052)
[30] US (14/157,889) 2014-01-17

[11] **2,935,575**
[13] C
[51] **Int.Cl. E04H 9/02 (2006.01) E04B 1/98 (2006.01)**
[25] EN
[54] **PISTON-BASED SELF-CENTERING BRACE APPARATUS**
[54] **APPAREIL DE CONTREVENTEMENT AUTO-CENTRANT A BASE DE PISTON**
[72] HAQUE, A. B. M. RAFIQUL, CA
[72] ALAM, M. SHAHRIA, CA
[73] THE UNIVERSITY OF BRITISH COLUMBIA, OKANAGAN, CA
[85] 2016-06-30
[86] 2014-12-31 (PCT/CA2014/051269)
[87] (WO2015/100497)
[30] US (61/922,936) 2014-01-02

[11] **2,936,163**
[13] C
[51] **Int.Cl. F28D 20/00 (2006.01)**
[25] EN
[54] **DEVICE COMPRISING A RECEPTACLE FOR STORING A LIQUID**
[54] **DISPOSITIF DOTE D'UN CONTENANT SERVANT A STOCKER UN LIQUIDE**
[72] FRANCK, JAN, DE
[73] FRANCK, JAN, DE
[85] 2016-07-07
[86] 2015-01-14 (PCT/IB2015/000021)
[87] (WO2015/107410)
[30] DE (10 2014 000 191.1) 2014-01-14

[11] **2,937,804**
[13] C
[51] **Int.Cl. E21B 17/07 (2006.01) E21B 47/01 (2012.01) E21B 47/024 (2006.01)**
[25] EN
[54] **ISOLATING MULE SHOE**
[54] **RAMPE D'ORIENTATION ISOLANTE**
[72] CUNE, GREGG, US
[72] CHUKINAS, JONATHAN, US
[72] SMID, JOHN P., US
[73] LORD CORPORATION, US
[85] 2016-07-22
[86] 2015-01-23 (PCT/US2015/012620)
[87] (WO2015/112821)
[30] US (61/931,264) 2014-01-24

[11] **2,937,914**
[13] C
[51] **Int.Cl. F04B 43/06 (2006.01) F04B 43/067 (2006.01) F04B 43/073 (2006.01) F04B 45/053 (2006.01)**
[25] EN
[54] **PRESSURISED FLUID DRIVE DIAPHRAGM PUMP**
[54] **ENSEMBLE POMPE A MEMBRANE ENTRAINEE PAR FLUIDE SOUS PRESSION**
[72] SANTA, DAVID LUIZ, AU
[73] JOE SANTA & ASSOCIATES PTY LIMITED, AU
[85] 2016-07-25
[86] 2014-12-09 (PCT/AU2014/001106)
[87] (WO2015/143472)
[30] AU (2014901080) 2014-03-26

[11] **2,938,630**
[13] C
[51] **Int.Cl. B29C 49/06 (2006.01) B29C 49/12 (2006.01) B29C 49/18 (2006.01) B29C 49/48 (2006.01) B29C 49/54 (2006.01) B29C 49/64 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR DOUBLE-BLOW MOLDING A HEAT RESISTANT AND BIAXIALLY STRETCHED PLASTIC CONTAINER**
[54] **SYSTEME ET PROCEDE DE MOULAGE PAR SOUFFLAGE DOUBLE D'UN RECIPIENT EN PLASTIQUE ETIRE DE FACON BI-AXIALE ET RESISTANT A LA CHALEUR**
[72] VAN DIJCK, SAM, BE
[72] DESSAINT, ALAIN, BE
[72] DECKERS, JAN, BE
[73] PLASTIPAK BAWT S.A R.L., BE
[85] 2016-08-03
[86] 2015-02-02 (PCT/EP2015/052083)
[87] (WO2015/117922)
[30] EP (14154289.4) 2014-02-07

[11] **2,938,675**
[13] C
[51] **Int.Cl. H01J 49/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED OPTIMIZATION OF A MULTI-MODE INDUCTIVELY COUPLED PLASMA MASS SPECTROMETER**
[54] **SYSTEME ET PROCEDES POUR L'OPTIMISATION AUTOMATISEE D'UN SPECTROMETRE DE MASSE A PLASMA COUPLE INDUCTIVEMENT MULTIMODAL**
[72] BAZARGAN, SAMAD, CA
[72] BADIEI, HAMID, CA
[72] PATEL, PRITESH, CA
[73] PERKINELMER HEALTH SCIENCES, INC., US
[85] 2016-08-03
[86] 2015-02-13 (PCT/US2015/015875)
[87] (WO2015/123555)
[30] US (61/940,349) 2014-02-14

[11] **2,939,059**
[13] C
[51] **Int.Cl. B25B 5/06 (2006.01) B25B 5/14 (2006.01) F01D 5/00 (2006.01) F01D 11/00 (2006.01) F01D 25/28 (2006.01)**
[25] FR
[54] **SYSTEM FOR CLAMPING A PART AND METHOD FOR SEALING THE INNER CASING OF A LOW-PRESSURE RECTIFIER OF A TURBOMACHINE**
[54] **SYSTEME DE BRIDAGE DE PIECE ET PROCEDE D'ETANCHAGE DE LA VIROLE INTERIEURE D'UN REDRESSEUR BASSE PRESSION DE TURBOMACHINE**
[72] CHARDONNET, ROMAIN RENE MARCEL, FR
[72] MAILLET, JEAN-YVES FRANCOIS HENRI, FR
[72] SOUBIGOU, ERWAN, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-08-08
[86] 2015-02-12 (PCT/FR2015/050354)
[87] (WO2015/121592)
[30] FR (1451204) 2014-02-14

[11] **2,939,378**
[13] C
[51] **Int.Cl. G06F 21/57 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING TRUST LEVELS FOR COMPUTING COMPONENTS**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER DES NIVEAUX DE CONFIANCE POUR DES COMPOSANTS INFORMATIQUES**
[72] EKSTEN, BRICK, CA
[72] WHITE, CRAIG, CA
[73] IMAGINE COMMUNICATIONS CORP., US
[85] 2016-08-11
[86] 2014-03-13 (PCT/CA2014/000221)
[87] (WO2014/138893)
[30] US (13/838,795) 2013-03-15

[11] **2,941,051**
[13] C
[51] **Int.Cl. F21V 21/04 (2006.01) F21S 8/02 (2006.01) F21V 17/14 (2006.01) F21V 25/12 (2006.01)**
[25] EN
[54] **RECESSED LIGHTING ASSEMBLY**
[54] **APPAREIL D'ECLAIRAGE ENFONCE**
[72] PENG, XINZHI, US
[72] DANESH, MICHAEL D., US
[73] DMF, INC., US
[86] (2941051)
[87] (2941051)
[22] 2016-09-02
[30] US (14/942,937) 2015-11-16

[11] **2,941,573**
[13] C
[51] **Int.Cl. C08J 7/00 (2006.01) C08J 7/12 (2006.01) H01M 8/02 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **SUPPORT FILM FOR SOLUTION FILM FORMING, AND METHOD FOR PRODUCING ELECTROLYTE MEMBRANE USING SAME**
[54] **FILM DE SUPPORT POUR LA FORMATION D'UN FILM EN SOLUTION, ET PROCEDE DE PRODUCTION DE MEMBRANE ELECTROLYTIQUE A L'AIDE DE CELUI-CI**
[72] ADACHI, SHINYA, JP
[72] IZUHARA, DAISUKE, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2016-09-02
[86] 2015-03-24 (PCT/JP2015/058856)
[87] (WO2015/151922)
[30] JP (2014-071763) 2014-03-31

[11] **2,944,364**
[13] C
[51] **Int.Cl. F24F 13/068 (2006.01) F24F 13/02 (2006.01) F24F 13/06 (2006.01)**
[25] EN
[54] **AIR-CONDITIONING DIFFUSER FOR AIR DISTRIBUTION**
[54] **DIFFUSEUR DE CLIMATISATION POUR LA DISTRIBUTION D'AIR**
[72] PRIHODA, ZDENEK, CZ
[72] BURES, MICHAL, CZ
[73] PRIHODA S.R.O., CZ
[85] 2016-09-29
[86] 2015-04-07 (PCT/CZ2015/000031)
[87] (WO2015/154729)
[30] CZ (PUV 2014-29425) 2014-04-07
[30] CZ (PUV 2015-30827) 2015-03-09

[11] **2,944,885**
[13] C
[51] **Int.Cl. B60K 15/04 (2006.01) B67D 7/54 (2010.01)**
[25] EN
[54] **FUEL SURGE ARRESTOR**
[54] **DISPOSITIF D'ARRET DE DEBIT EXCESSIF DE CARBURANT**
[72] FOX, GARRY, US
[73] FOX ENVIRONMENTAL PRODUCTS LLC, US
[85] 2016-10-04
[86] 2015-04-07 (PCT/US2015/024720)
[87] (WO2015/157287)
[30] US (14/248,930) 2014-04-09
[30] US (14/317,459) 2014-06-27

[11] **2,946,089**
[13] C
[51] **Int.Cl. C25C 7/00 (2006.01) C25C 1/00 (2006.01) C25C 7/06 (2006.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR COLLECTING AND REMOVAL OF ACID MIST FROM AN ELECTROLYTIC CELL**
[54] **PROCEDE ET DISPOSITIF POUR LA COLLECTE ET L'ELIMINATION DE BROUILLARD ACIDE A PARTIR D'UNE CELLULE ELECTROLYTIQUE**
[72] HIRSI, TUOMAS, FI
[72] HAUTANIEMI, TIMO, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2016-10-17
[86] 2015-04-22 (PCT/FI2015/050274)
[87] (WO2015/162336)
[30] FI (20145376) 2014-04-23

[11] **2,946,447**
[13] C
[51] **Int.Cl. E21B 17/042 (2006.01) E21B 47/01 (2012.01)**
[25] EN
[54] **DRILL STRING SECTIONS WITH INTERCHANGEABLE COUPLINGS**
[54] **SECTIONS DE TRAIN DE TIGES PRESENTANT DES RACCORDS INTERCHANGEABLES**
[72] DERKACZ, PATRICK R., CA
[72] LOGAN, AARON W., CA
[72] LOGAN, JUSTIN C., CA
[73] EVOLUTION ENGINEERING INC., CA
[85] 2016-10-20
[86] 2015-05-08 (PCT/CA2015/050415)
[87] (WO2015/168804)
[30] US (61/990,244) 2014-05-08
[30] US (62/004,079) 2014-05-28

[11] **2,946,652**
[13] C
[51] **Int.Cl. E04F 15/18 (2006.01) E02D 31/02 (2006.01) E04D 13/04 (2006.01)**
[25] EN
[54] **DECOUPLING MAT FOR A SURFACE COVERING STRUCTURE THAT CAN BE COVERED BY COVERING ELEMENTS**
[54] **TAPIS DE DECOUPLAGE POUR UNE STRUCTURE DE REVETEMENT SURFACIQUE RECOUVRABLE D'ELEMENTS DE REVETEMENT**
[72] GUTJAHR, WALTER, DE
[73] ARDEX ANLAGEN GMBH, DE
[85] 2016-10-21
[86] 2014-04-24 (PCT/EP2014/058407)
[87] (WO2015/161888)

[11] **2,947,294**
[13] C
[51] **Int.Cl. H02K 19/00 (2006.01) H01F 38/18 (2006.01) H02K 11/04 (2016.01) H02K 19/38 (2006.01)**
[25] EN
[54] **WOUND FIELD SYNCHRONOUS MACHINE WITH RESONANT FIELD EXCITER**
[54] **MACHINE SYNCHRONE A ENROULEMENT DE CHAMP AVEC DISPOSITIF RESONANT D'EXCITATION DE CHAMP**
[72] BOX, GARY, US
[73] GBOX LLC, US
[85] 2016-10-27
[86] 2015-05-07 (PCT/US2015/029729)
[87] (WO2015/175316)
[30] US (14/276,859) 2014-05-13

[11] **2,947,581**
[13] C
[51] **Int.Cl. G01V 1/40 (2006.01) E21B 47/00 (2012.01) G01V 1/48 (2006.01)**
[25] EN
[54] **ANALYZING GEOMECHANICAL PROPERTIES OF SUBTERRANEAN ROCK BASED ON SEISMIC DATA**
[54] **ANALYSE DES PROPRIETES GEOMECANIQUES D'UNE ROCHE SOUTERRAINE SUR LA BASE DE DONNEES SISMIQUES**
[72] MCCOLPIN, GLENN ROBERT, US
[72] WALTERS, HAROLD GRAYSON, US
[72] DUSTERHOFT, RONALD GLEN, US
[72] RANJAN, PRIYESH, US
[72] SMITH, KEN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-10-31
[86] 2014-06-04 (PCT/US2014/040857)
[87] (WO2015/187150)

[11] **2,948,523**
[13] C
[51] **Int.Cl. G10L 15/24 (2013.01) H04N 5/262 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **MODIFICATION OF VISUAL CONTENT TO FACILITATE IMPROVED SPEECH RECOGNITION**
[54] **MODIFICATION DE CONTENU VISUEL POUR FACILITER UNE MEILLEURE RECONNAISSANCE DE LA PAROLE**
[72] STOLCKE, ANDREAS, US
[72] ZWEIG, GEOFFREY, US
[72] SLANEY, MALCOLM, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2016-11-08
[86] 2015-06-03 (PCT/US2015/033865)
[87] (WO2015/187756)
[30] US (14/297,742) 2014-06-06

[11] **2,949,522**
[13] C
[51] **Int.Cl. G01S 17/88 (2006.01) G01S 17/04 (2020.01) A63G 31/00 (2006.01)**
[25] EN
[54] **OPTICAL TRACKING SYSTEM FOR AUTOMATION OF AMUSEMENT PARK ELEMENTS**
[54] **SYSTEME DE SUIVI OPTIQUE POUR L'AUTOMATISATION D'ELEMENTS DE PARC D'ATTRACTIONS**
[72] STENZLER, PAULA, US
[72] CORTELYOU, ROBERT J., US
[72] MCQUILLIAN, BRIAN B., US
[72] OLIVER, CHRISTOPHER, US
[72] BLUM, STEVEN C., US
[72] SCHWARTZ, JUSTIN M., US
[72] OKESON, BRADLEY D., US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2016-11-17
[86] 2015-05-21 (PCT/US2015/032001)
[87] (WO2015/179661)
[30] US (62/001,551) 2014-05-21
[30] US (14/717,989) 2015-05-20

[11] **2,949,560**
[13] C
[51] **Int.Cl. G01S 17/66 (2006.01) A63G 31/00 (2006.01) G01S 17/06 (2006.01) G07C 9/00 (2020.01)**
[25] EN
[54] **AMUSEMENT PARK ELEMENT TRACKING SYSTEM**
[54] **SYSTEME DE SUIVI D'ELEMENT DE PARC D'ATTRACTIONS**
[72] STENZLER, PAULA, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2016-11-17
[86] 2015-05-21 (PCT/US2015/032028)
[87] (WO2015/179679)
[30] US (62/001,551) 2014-05-21
[30] US (14/673,643) 2015-03-30

---

[11] **2,951,120**
[13] C
[51] **Int.Cl. G01S 5/06 (2006.01)**
[25] EN
[54] **METHOD FOR ITERATIVE TARGET LOCATION IN A MULTIPLE RECEIVER TARGET LOCATION SYSTEM**
[54] **PROCEDE DE LOCALISATION ITERATIVE D'UNE CIBLE DANS UN SYSTEME DE LOCALISATION DE CIBLE A MULTIPLES RECEPTEURS**
[72] RICHLEY, EDWARD A., US
[72] TURNER, BELINDA, US
[72] WANG, CHANG, US
[73] ZEBRA TECHNOLOGIES CORPORATION, US
[85] 2016-12-02
[86] 2015-06-03 (PCT/IB2015/054213)
[87] (WO2015/186084)
[30] US (62/008,239) 2014-06-05

---

[11] **2,951,275**
[13] C
[51] **Int.Cl. D03D 15/513 (2021.01) D03D 1/00 (2006.01) D03D 15/00 (2021.01)**
[25] EN
[54] **FLAME RESISTANT FABRIC HAVING HIGH TENACITY LONG STAPLE YARNS**
[54] **TISSU RESISTANT A LA FLAMME POSSEDANT DES FILS DE FIBRES LONGUES A TENACITE ELEVEE**
[72] STANHOPE, MICHAEL T., US
[72] COLATRUGLIO, MATTHEW LUCIUS, US
[73] SOUTHERN MILLS, INC., US
[85] 2016-12-05
[86] 2015-06-15 (PCT/US2015/035833)
[87] (WO2015/192131)
[30] US (62/011,624) 2014-06-13

---

[11] **2,952,371**
[13] C
[51] **Int.Cl. B62D 37/02 (2006.01) B60R 19/38 (2006.01) B62D 35/00 (2006.01)**
[25] EN
[54] **ACTIVE FRONT DEFLECTOR**
[54] **DEFLECTEUR AVANT ACTIF**
[72] POVINELLI, ANTHONY J., US
[72] MATTHEWS, MARTIN R., US
[72] MANHIRE, JEFFREY B., US
[73] MAGNA EXTERIORS INC., CA
[85] 2016-12-09
[86] 2015-06-10 (PCT/US2015/035105)
[87] (WO2015/191711)
[30] US (62/010,840) 2014-06-11

---

[11] **2,952,981**
[13] C
[51] **Int.Cl. A01N 65/24 (2009.01) A01N 65/22 (2009.01) C05G 3/50 (2020.01) C05G 3/60 (2020.01) A01N 35/02 (2006.01) A01P 3/00 (2006.01) C05D 5/00 (2006.01) C05D 9/00 (2006.01) C05F 11/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL COMPOSITIONS AND APPLICATIONS UTILIZING ESSENTIAL OILS**
[54] **COMPOSITIONS ET APPLICATIONS AGRICOLES UTILISANT DES HUILES ESSENTIELLES**
[72] LAMB, RICHARD DALE, US
[72] JOHNSON, MICHAEL DAVID, US
[73] RALCO NUTRITION, INC., US
[85] 2016-12-19
[86] 2015-07-02 (PCT/US2015/039017)
[87] (WO2016/004326)
[30] US (62/020,059) 2014-07-02

---

[11] **2,953,192**
[13] C
[51] **Int.Cl. E04C 2/40 (2006.01) E04B 1/08 (2006.01) E04B 1/88 (2006.01) E04B 5/02 (2006.01) E04C 2/292 (2006.01) E04C 2/32 (2006.01) E04D 3/35 (2006.01) F16B 5/00 (2006.01) F16S 1/14 (2006.01)**
[25] EN
[54] **A MODULAR BUILDING SYSTEM AND A METHOD OF ASSEMBLING BUILDING ELEMENTS TO CONSTRUCT SUCH BUILDING SYSTEM**
[54] **SYSTEME DE CONSTRUCTION MODULAIRE ET PROCEDE D'ASSEMBLAGE D'ELEMENTS DE CONSTRUCTION POUR CONSTRUIRE UN TEL SYSTEME DE CONSTRUCTION**
[72] KJÆR, NIKOLAI, DK
[73] NORDIC BUILD A/S, DK
[85] 2016-12-21
[86] 2015-06-23 (PCT/EP2015/064140)
[87] (WO2015/197634)
[30] EP (14173433.5) 2014-06-23

---

[11] **2,954,445**
[13] C
[51] **Int.Cl. F16L 21/04 (2006.01) F16L 21/08 (2006.01)**
[25] EN
[54] **PIPE CONNECTION**
[54] **RACCORD DE TUYAU**
[72] SHOWKATHALI, ASIF HASSAN, GB
[72] REX, BRIAN, GB
[73] CRANE LIMITED, GB
[85] 2017-01-06
[86] 2014-07-09 (PCT/EP2014/064771)
[87] (WO2015/004215)
[30] GB (1312284.1) 2013-07-09

[11] **2,954,816**
[13] C
[51] **Int.Cl. A43B 7/12 (2006.01) A43B 1/00 (2006.01) A43B 23/02 (2006.01)**
[25] EN
[54] **SHOE WITH WATERPROOF AND VAPOR-PERMEABLE SOLE AND UPPER**
[54] **CHAUSSURE COMPRENANT SEMELLE ET TIGE IMPERMEABLES A L'EAU ET PERMEABLES A LA VAPEUR**
[72] POLEGATO MORETTI, MARIO, IT
[72] POLONI, LIVIO, IT
[72] MATTIONI, BRUNO, IT
[73] GEOX S.P.A., IT
[85] 2017-01-11
[86] 2015-07-10 (PCT/EP2015/065861)
[87] (WO2016/005570)
[30] IT (PD2014A000186) 2014-07-11

---

[11] **2,955,566**
[13] C
[51] **Int.Cl. D04H 1/425 (2012.01) D04H 1/4258 (2012.01) D04H 1/492 (2012.01) A47L 13/16 (2006.01) D21H 27/00 (2006.01)**
[25] EN
[54] **DISPERSIBLE NON-WOVEN FABRIC AND METHOD FOR PRODUCING THE SAME**
[54] **TISSU NON TISSE DISPERSIBLE ET PROCEDE DE PRODUCTION ASSOCIE**
[72] KELLNER, JURGEN, DE
[72] KUHN, JORG, DE
[73] GLATFELTER GERNSBACH GMBH, DE
[85] 2017-01-18
[86] 2015-08-10 (PCT/EP2015/068345)
[87] (WO2016/023856)
[30] EP (14180701.6) 2014-08-12

---

[11] **2,956,078**
[13] C
[25] EN
[54] **DATA LINEAGE SUMMARIZATION**
[54] **RESUME DE LIGNEE DE DONNEES**
[72] RADIVOJEVIC, DUSAN, US
[72] YERACARIS, ANTHONY M., US
[72] GOULD, JOEL, US
[72] SCHON, ANDREW, US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2017-01-23
[86] 2015-07-22 (PCT/US2015/041452)
[87] (WO2016/014615)
[30] US (62/028,485) 2014-07-24
[30] US (62/114,684) 2015-02-11

---

[11] **2,956,089**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61M 31/00 (2006.01) A61L 31/16 (2006.01)**
[25] EN
[54] **IMPLANTABLE SUBCUTANEOUS MEDICAL DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT SUBCUTANEE IMPLANTABLE**
[72] ADAMS, ROBERT W., US
[73] ADAMS, ROBERT W., US
[85] 2017-01-23
[86] 2015-07-14 (PCT/US2015/040458)
[87] (WO2016/014297)
[30] US (62/028,907) 2014-07-25
[30] US (62/080,584) 2014-11-17
[30] US (14/585,531) 2014-12-30

---

[11] **2,957,112**
[13] C
[51] **Int.Cl. B62K 13/06 (2006.01) B62K 3/14 (2006.01)**
[25] EN
[54] **SIDE-BY-SIDE FLEXIBLE TWIN BICYCLE**
[54] **DOUBLE BICYCLETTE FLEXIBLE COTE A COTE**
[72] APONTE-RIVERA, CEFERINO, US
[73] APONTE-RIVERA, CEFERINO, US
[85] 2017-02-03
[86] 2015-08-03 (PCT/US2015/043474)
[87] (WO2016/022493)
[30] US (14/450,268) 2014-08-03

---

[11] **2,958,181**
[13] C
[51] **Int.Cl. B23K 9/095 (2006.01) B23K 9/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING WELDING THRESHOLD CONDITIONS**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE DE CONDITIONS DE SEUIL DE SOUDAGE**
[72] HOLVERSON, TODD EARL, US
[72] NELLI, CHRISTOPHER J., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2017-02-14
[86] 2015-08-03 (PCT/US2015/043353)
[87] (WO2016/060727)
[30] US (14/513,752) 2014-10-14

---

[11] **2,959,401**
[13] C
[51] **Int.Cl. C12N 11/082 (2020.01) C12N 5/071 (2010.01) C12M 3/00 (2006.01) C12M 3/04 (2006.01) C12N 11/02 (2006.01) C12N 11/08 (2020.01)**
[25] EN
[54] **METHODS, SURFACE MODIFIED PLATES AND COMPOSITIONS FOR CELL ATTACHMENT, CULTIVATION AND DETACHMENT**
[54] **PROCEDES, PLAQUES A SURFACE MODIFIEE ET COMPOSITIONS PERMETTANT LA FIXATION, LA CULTURE ET LE DETACHEMENT DE CELLULES**
[72] FRYER, BENJAMIN, US
[72] NELSON, SHELLEY, US
[72] NIELSEN, VILLY, US
[72] BREVIG, THOMAS, US
[72] MARWOOD, TINA KRISTENSEN, US
[73] JANSSEN BIOTECH, INC., US
[73] NUNC A/S, DK
[86] (2959401)
[87] (2959401)
[22] 2009-02-19
[62] 2,715,878
[30] US (61/030,544) 2008-02-21

[11] **2,962,277**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/713 (2006.01) A61K 38/17 (2006.01) A61K 38/48 (2006.01) A61P 9/00 (2006.01) A61P 9/04 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR REDUCING CARDIAC DAMAGE AND OTHER CONDITIONS**
[54] **PROCEDES ET COMPOSITIONS DESTINES A REDUIRE LES LESIONS CARDIAQUES ET AUTRES PATHOLOGIES**
[72] KAPUR, NAVIN K., US
[72] KARAS, RICHARD H., US
[73] TUFTS MEDICAL CENTER, INC., US
[85] 2017-03-17
[86] 2014-09-18 (PCT/US2014/056313)
[87] (WO2015/042269)
[30] US (61/880,551) 2013-09-20

---

[11] **2,962,481**
[13] C
[51] **Int.Cl. B23K 9/10 (2006.01) H01F 38/08 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING AUXILIARY AND WELDING TYPE POWER WITH THERMAL PROTECTION**
[54] **PROCEDE ET APPAREIL POUR FOURNIR UNE ALIMENTATION AUXILIAIRE ET DU TYPE SOUDAGE DOTEE D'UNE PROTECTION THERMIQUE**
[72] SCHWARTZ, BRIAN A., US
[72] SCHARTNER, QUINN W., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2017-03-23
[86] 2015-10-04 (PCT/US2015/053909)
[87] (WO2016/073098)
[30] US (14/535,773) 2014-11-07

---

[11] **2,962,848**
[13] C
[51] **Int.Cl. B62J 1/08 (2006.01) B62J 1/06 (2006.01)**
[25] EN
[54] **ELECTRICALLY CONTROLLABLE SEAT POST**
[54] **MONTANT DE SIEGE COMMANDE ELECTRIQUEMENT**
[72] JHOU, SHU-YU, TW
[72] HSU, CHE-WEI, TW
[72] CHEN, I-TEH, TW
[73] GIANT MANUFACTURING CO., LTD., TW
[86] (2962848)
[87] (2962848)
[22] 2017-03-29
[30] TW (105204620) 2016-04-01

---

[11] **2,962,970**
[13] C
[51] **Int.Cl. F21V 29/70 (2015.01) F21K 9/00 (2016.01) F21V 21/30 (2006.01) F21V 31/00 (2006.01) F21V 1/00 (2006.01) F21V 5/00 (2018.01)**
[25] EN
[54] **LED LIGHTING FIXTURE HAVING A HEAT DISSIPATING FEATURE**
[54] **LUMINAIRE A DEL COMPORTANT UN DISPOSITIF DE DISSIPATION THERMIQUE**
[72] OUELLET, BERTRAND, CA
[72] TREMBLAY, NICOLE, CA
[73] OUELLET, BERTRAND, CA
[73] TREMBLAY, NICOLE, CA
[86] (2962970)
[87] (2962970)
[22] 2017-04-04
[30] GB (1605831.5) 2016-04-05

---

[11] **2,964,118**
[13] C
[51] **Int.Cl. C23C 14/28 (2006.01) C23C 14/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS OF FORMING A MULTILAYER THERMAL BARRIER COATING SYSTEM**
[54] **SYSTEME ET METHODE DE FORMATION D'UN SYSTEME DE REVETEMENT THERMOPROTECTEUR MULTICOUCHE**
[72] CLARK, MICHAEL DAVID, US
[72] KONITZER, DOUGLAS GERARD, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2964118)
[87] (2964118)
[22] 2017-04-13
[30] US (15/140,822) 2016-04-28

---

[11] **2,965,493**
[13] C
[51] **Int.Cl. A61K 36/185 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01)**
[25] EN
[54] **CANNABIS EXTRACTS AND METHODS OF PREPARING AND USING SAME**
[54] **EXTRAITS DE CANNABIS ET PROCEDES DE PREPARATION ET D'UTILISATION**
[72] VERZURA, TONY, US
[72] BLACKMON, EARNIE, US
[73] UNITED CANNABIS CORP., US
[85] 2017-04-21
[86] 2015-10-21 (PCT/US2015/056635)
[87] (WO2016/064987)
[30] US (62/066,795) 2014-10-21
[30] US (62/068,278) 2014-10-24

[11] **2,966,358**
[13] C
[51] **Int.Cl. C12P 21/04 (2006.01) C12N 1/20 (2006.01) C12N 15/00 (2006.01) C12N 15/67 (2006.01) C12N 15/74 (2006.01) C12P 21/06 (2006.01)**
[25] EN
[54] **FUSION PARTNERS FOR PEPTIDE PRODUCTION**
[54] **PARTENAIRES DE FUSION POUR LA PRODUCTION DE PEPTIDES**
[72] RETALLACK, DIANE M., US
[72] CHAPMAN, ADAM, US
[72] BRUCK, TORBEN R., US
[72] JIN, HONGFAN, US
[73] PFENEX INC., US
[85] 2017-04-28
[86] 2015-11-30 (PCT/US2015/063027)
[87] (WO2016/089782)
[30] US (62/086,119) 2014-12-01

[11] **2,970,662**
[13] C
[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] EN
[54] **STORAGE AND RETRIEVAL SYSTEM**
[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION**
[72] PANKRATOV, KIRILL K., US
[72] SWEET, LARRY M., US
[72] CONRAD, JUERGEN D., US
[72] KEATING, JOHN F., US
[72] GATES, MATT, US
[73] SYMBOTIC, LLC, US
[85] 2017-06-12
[86] 2015-12-14 (PCT/US2015/065574)
[87] (WO2016/094902)
[30] US (62/091,162) 2014-12-12
[30] US (14/966,978) 2015-12-11

[11] **2,970,814**
[13] C
[51] **Int.Cl. B60B 3/16 (2006.01) F16B 37/14 (2006.01) F16B 39/00 (2006.01) F16B 39/02 (2006.01)**
[25] EN
[54] **IMPROVED LOOSE WHEEL NUT INDICATOR AND RESTRAINER**
[54] **INDICATEUR D'ECROU DE ROUE DESSERRE AMELIORE ET DISPOSITIF DE RETENUE**
[72] MASON, RONALD ROBERT, AU
[73] MARCHMONT PTY LIMITED, AU
[85] 2017-06-14
[86] 2016-04-20 (PCT/AU2016/000134)
[87] (WO2016/168883)
[30] AU (2015901412) 2015-04-20

[11] **2,972,648**
[13] C
[51] **Int.Cl. B01D 51/06 (2006.01) B01D 53/047 (2006.01) B01D 53/053 (2006.01) C01B 13/02 (2006.01) C01B 21/04 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR HIGH RELIABILITY OXYGEN SUPPLY FROM MULTIPLE UNITS**
[54] **PROCEDE ET SYSTEME POUR UNE ALIMENTATION EN OXYGENE A HAUTE FIABILITE A PARTIR D'UNITES MULTIPLES**
[72] WIMMER, ROBERT, US
[72] BURNS, JASON, US
[72] GOSHAY, WILLIAM K., US
[72] NAHEIRI, TARIK, US
[73] PACIFIC CONSOLIDATED INDUSTRIES, LLC, US
[85] 2017-06-28
[86] 2015-12-18 (PCT/US2015/000150)
[87] (WO2016/108924)
[30] US (62/098,052) 2014-12-30

[11] **2,974,242**
[13] C
[51] **Int.Cl. A01G 9/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PLANTING PLANT CUTTINGS**
[54] **APPAREIL ET PROCEDE DE PLANTATION DE BOUTURES VEGETALES**
[72] VAN DER EL, WIM, NL
[73] IG SPECIALS B.V., NL
[85] 2017-07-19
[86] 2016-01-18 (PCT/EP2016/050897)
[87] (WO2016/116402)
[30] NL (2014155) 2015-01-19

[11] **2,977,264**
[13] C
[51] **Int.Cl. A61K 31/451 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **USE OF PRIDOPIDINE TO IMPROVE COGNITIVE FUNCTION AND FOR TREATING ALZHEIMER'S DISEASE**
[54] **UTILISATION DE PRIDOPIDINE POUR AMELIORER LA FONCTION COGNITIVE ET POUR TRAITER LA MALADIE D'ALZHEIMER**
[72] GEVA, MICHAL, IL
[72] BEZPROZVANNY, ILYA, US
[72] BASSAN, MERAV, IL
[72] HAYDEN, MICHAEL, IL
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[73] PRILENIA NEUROTHERAPEUTICS LTD., IL
[85] 2017-08-18
[86] 2016-02-24 (PCT/US2016/019357)
[87] (WO2016/138130)
[30] US (62/120,771) 2015-02-25
[30] US (62/186,221) 2015-06-29

[11] **2,977,779**
[13] C
[51] **Int.Cl. A21D 10/00 (2006.01) A21D 6/00 (2006.01) A21D 8/00 (2006.01) A21D 8/02 (2006.01) A21D 10/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RETARDER-TO-OVEN DOUGH PRODUCT**
[54] **SYSTEMES ET PROCEDES POUR UN PRODUIT DE PATE POUVANT ETRE TRANSFERE D'UNE CHAMBRE DE FERMENTATION FROIDE A UN FOUR**
[72] ROBERTSON, DEREK, US
[73] ASPIRE BAKERIES LLC, US
[85] 2017-08-24
[86] 2016-02-25 (PCT/US2016/019651)
[87] (WO2016/138316)
[30] US (62/120,773) 2015-02-25

[11] **2,979,310**
[13] C
[51] **Int.Cl. H04W 92/14 (2009.01) H04W 24/04 (2009.01) H04W 28/08 (2009.01) H04W 68/00 (2009.01)**
[25] EN
[54] **COMMUNICATION SYSTEM, COMMUNICATION CONTROL APPARATUS, NODE APPARATUS, AND COMMUNICATION METHOD**
[54] **SYSTEME DE COMMUNICATION, DISPOSITIF DE COMMANDE DE COMMUNICATION, DISPOSITIF DE NOEUD ET PROCEDE DE COMMUNICATION**
[72] MIZUKAMI, DAISUKE, JP
[72] ONISHI, SHINJI, JP
[72] EGASHIRA, KAZUHIRO, JP
[72] SHIGA, SHINGO, JP
[72] TAMURA, TOSHIYUKI, JP
[73] NEC CORPORATION, JP
[85] 2017-09-11
[86] 2016-03-07 (PCT/JP2016/001219)
[87] (WO2016/143322)
[30] JP (2015-049573) 2015-03-12

[11] **2,979,372**
[13] C
[51] **Int.Cl. H05K 7/20 (2006.01) B01D 29/96 (2006.01) F24F 3/16 (2021.01) F24F 13/28 (2006.01)**
[25] EN
[54] **EQUIPMENT ENCLOSURE FREE-AIR COOLING ASSEMBLY WITH INDEXING PRE-SCREEN**
[54] **ENSEMBLE DE REFROIDISSEUR D'AIR SANS ENCEINTE D'EQUIPEMENT DOTE D'UN PRE-FILTRE D'INDEXATION**
[72] JAMES, BRENT A., US
[72] JAMES, LEWIS G., US
[72] KING, ARON J., US
[73] DIVERSIFIED CONTROL, INC., US
[86] (2979372)
[87] (2979372)
[22] 2017-09-15
[30] US (15/593,469) 2017-05-12

[11] **2,980,655**
[13] C
[51] **Int.Cl. B24B 23/08 (2006.01) B23P 6/00 (2006.01) B24B 5/36 (2006.01) H01R 43/14 (2006.01) H02K 13/00 (2006.01)**
[25] EN
[54] **SLIP RING GRINDING METHOD**
[54] **METHODE DE MEULAGE DE BAGUE GLISSANTE**
[72] OVAERE, PETER JACQUES, BE
[72] SCHEPENS, PIETER-JAN PATRICK, BE
[73] MERSEN BENELUX BV, NL
[85] 2017-09-22
[86] 2016-04-29 (PCT/EP2016/059638)
[87] (WO2016/174218)
[30] NL (2014740) 2015-04-30

[11] **2,981,343**
[13] C
[51] **Int.Cl. G03F 7/20 (2006.01) G02B 5/18 (2006.01) G02B 6/34 (2006.01)**
[25] EN
[54] **WRITING OF HIGH MECHANICAL STRENGTH FIBER BRAGG GRATINGS USING ULTRAFAST PULSES AND A PHASE MASK**
[54] **ECRITURE DE RESEAUX DE BRAGG SUR FIBRE A GRANDE RESISTANCE MECANIQUE A L'AIDE D'IMPULSIONS ULTRA-RAPIDES ET D'UN MASQUE DE PHASE**
[72] BERNIER, MARTIN, CA
[72] VALLEE, REAL, CA
[72] TREPANIER, FRANCOIS, CA
[72] CARRIER, JULIEN, CA
[73] UNIVERSITE LAVAL, CA
[85] 2017-09-29
[86] 2015-04-02 (PCT/CA2015/050271)
[87] (WO2015/154177)
[30] US (61/974,673) 2014-04-03

[11] **2,983,428**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/09 (2006.01)**
[25] EN
[54] **KIT FOR TOGETHER DETECTING MULTIPLE TARGET NUCLEIC ACIDS DIFFERING FROM EACH OTHER AND DETECTION METHOD USING THE SAME**
[54] **TROUSSE PERMETTANT DE DETECTER ENSEMBLE DES ACIDES NUCLEIQUES CIBLES MULTIPLES SE DIFFERENCIANT LES UNES DES AUTRES ET METHODE DE DETECTION EMPLOYANT LADITE TROUSSE**
[72] NAGANO, TAKASHI, JP
[72] MIYAJIMA, KENSUKE, JP
[72] NARAHARA, KENJI, JP
[73] MIZUHO MEDY CO., LTD., JP
[85] 2017-10-19
[86] 2016-05-10 (PCT/JP2016/063831)
[87] (WO2016/194552)
[30] JP (2015-113979) 2015-06-04

[11] **2,984,820**
[13] C
[51] **Int.Cl. G01N 21/64 (2006.01) C12Q 1/6869 (2018.01) C12M 1/34 (2006.01) C12Q 1/68 (2018.01) G01N 1/28 (2006.01) G01N 27/453 (2006.01) G01N 33/483 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **PLASTIC MICROFLUIDIC SEPARATION AND DETECTION PLATFORMS**
[54] **PLATE-FORMES MICROFLUIDIQUES EN PLASTIQUE DE DETECTION ET DE SEPARATION**
[72] TAN, EUGENE, US
[72] KAN, CHUEK WAI, US
[72] LAM, HEUNG CHUAN, US
[73] ANDE CORPORATION, US
[86] (2984820)
[87] (2984820)
[22] 2008-04-04
[62] 2,682,734
[30] US (60/921,802) 2007-04-04
[30] US (60/964,502) 2007-08-13
[30] US (61/028,073) 2008-02-12

[11] **2,985,200**
[13] C
[51] **Int.Cl. E21B 33/16 (2006.01) E21B 23/04 (2006.01) E21B 33/04 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **MULTI-FUNCTION DART**
[54] **PINCE MULTIFONCTION**
[72] BUDDE, MARCEL, NL
[73] WEATHERFORD NETHERLANDS, B.V., NL
[85] 2017-11-06
[86] 2016-05-26 (PCT/US2016/034382)
[87] (WO2016/191578)
[30] US (62/166,514) 2015-05-26

---

[11] **2,986,009**
[13] C
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 47/07 (2012.01) E21B 36/00 (2006.01) E21B 43/247 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **FORMATION FRACTURING USING HEAT TREATMENT**
[54] **FRACTURATION DE FORMATION PAR TRAITEMENT THERMIQUE**
[72] AL-BURAIK, KHALED A., SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2017-11-14
[86] 2015-11-05 (PCT/US2015/059216)
[87] (WO2016/186690)
[30] US (14/715,149) 2015-05-18

---

[11] **2,987,436**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C08B 37/08 (2006.01) C08J 3/24 (2006.01) C08J 11/10 (2006.01) C08L 5/08 (2006.01)**
[25] EN
[54] **MODIFIED HYALURONAN AND USES THEREOF IN CANCER TREATMENT**
[54] **HYALURONANE MODIFIE ET SES UTILISATIONS DANS LE TRAITEMENT DU CANCER**
[72] CHANG, NAN-SHAN, US
[72] SU, WAN-PEI, TW
[73] NATIONAL CHENG KUNG UNIVERSITY, TW
[86] (2987436)
[87] (2987436)
[22] 2014-03-12
[62] 2,905,934
[30] US (13/826,952) 2013-03-14

---

[11] **2,988,366**
[13] C
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/085 (2006.01) A61K 39/09 (2006.01) A61K 39/116 (2006.01) A61K 47/36 (2006.01) C07K 14/315 (2006.01)**
[25] EN
[54] **METHODS FOR IMPROVING THE ADSORPTION OF POLYSACCHARIDE-PROTEIN CONJUGATES AND MULTIVALENT VACCINE FORMULATION OBTAINED THEREOF.**
[54] **PROCEDE D'AMELIORATION DE L'ADSORPTION DE CONJUGUES POLYSACCHARIDE-PROTEINE ET FORMULATION DE VACCIN MULTIVALENT OBTENUE PAR CELUI-CI.**
[72] DHERE, RAJEEV MHALASAKANT, IN
[72] MALVIYA, HITESH KUMAR, IN
[72] JANA, SWAPAN KUMAR, IN
[72] PISAL, SAMBHAJI SHANKAR, IN
[72] MALLYA, ASHA DINESH, IN
[72] MAHOR, SUNIL, IN
[72] GAUTAM, MANISH MAHESHKUMAR, IN
[72] JOSHI, CHETAN VILAS, IN
[72] MALEPATI, VENKATA VAMSI KRISHNA, IN
[72] JADHAV, PRASHANT SHIVAJI, IN
[73] SERUM INSTITUTE OF INDIA PRIVATE LTD., IN
[85] 2017-12-05
[86] 2016-06-03 (PCT/IB2016/053265)
[87] (WO2016/199003)
[30] IN (2185/MUM/2015) 2015-06-08

---

[11] **2,988,601**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/551 (2006.01) A61K 31/553 (2006.01) A61P 1/00 (2006.01) C07D 403/12 (2006.01) C07D 495/04 (2006.01) C07D 495/14 (2006.01) C07D 498/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **BICYCLIC LACTAMS AND METHODS OF USE THEREOF**
[54] **LACTAMES BICYCLIQUES ET LEURS METHODES D'UTILISATION**
[72] PATEL, SNAHEL, US
[72] HAMILTON, GREGORY, US
[72] STIVALA, CRAIG, US
[72] CHEN, HUIFEN, US
[72] ZHAO, GUILING, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-12-06
[86] 2016-07-01 (PCT/US2016/040659)
[87] (WO2017/004500)
[30] US (62/188,153) 2015-07-02
[30] US (62/387,295) 2015-12-23

---

[11] **2,989,341**
[13] C
[51] **Int.Cl. A61K 31/7034 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING OR PREVENTING DRY EYES**
[54] **METHODE DE TRAITEMENT OU DE PREVENTION DE LA SECHERESSE OCULAIRE**
[72] WU, RONG-TSUN, CN
[72] HORNG, LIN-YEA, CN
[73] WU, RONG-TSUN, CN
[85] 2017-12-13
[86] 2016-06-16 (PCT/CN2016/000309)
[87] (WO2016/201953)
[30] US (62/180,450) 2015-06-16

[11] **2,991,256**
[13] C
[51] **Int.Cl. A01D 41/12 (2006.01) A01D 75/00 (2006.01) A01F 12/42 (2006.01) A01F 12/44 (2006.01)**
[25] EN
[54] **WEED SEED DESTRUCTION FORMED AS A COMMON UNIT WITH STRAW SPREADER**
[54] **DESTRUCTION DES GRAINES DE MAUVAISES HERBES EN TANT QU'UNE UNITE COMMUNEAVEC UN EPARPILLEUR DE PAILLE**
[72] MAYERLE, DEAN, CA
[73] TRITANA INTELLECTUAL PROPERTY LTD., CA
[85] 2018-01-03
[86] 2016-07-13 (PCT/CA2016/050823)
[87] (WO2017/008161)
[30] US (62/192,111) 2015-07-14

---

[11] **2,991,359**
[13] C
[25] EN
[54] **PACKET PROCESSING METHOD IN CLOUD COMPUTING SYSTEM, HOST, AND SYSTEM**
[54] **PROCEDE DE TRAITEMENT DE PAQUET DANS UN SYSTEME INFORMATIQUE EN NUAGE, UN HEBERGEUR ET UN SYSTEME**
[72] YU, ZHOU, CN
[72] ZHANG, LEIQIANG, CN
[72] ZHUANG, YUXIN, CN
[72] LUO, HAO, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-01-09
[86] 2016-11-09 (PCT/CN2016/105228)
[87] (WO2018/086014)

---

[11] **2,991,973**
[13] C
[51] **Int.Cl. C07C 243/28 (2006.01) A61K 45/06 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C07C 275/50 (2006.01) C07C 311/55 (2006.01) C07D 207/452 (2006.01) C07D 213/71 (2006.01) C07D 403/14 (2006.01) C07K 5/065 (2006.01)**
[25] EN
[54] **BRIDGE LINKERS FOR CONJUGATION OF A CELL-BINDING MOLECULE**
[54] **LIEURS DE PONTAGE POUR LA CONJUGAISON D'UNE MOLECULE DE LIAISON CELLULAIRE**
[72] ZHAO, ROBERT YONGXIN, US
[73] HANGZHOU DAC BIOTECH CO., LTD, CN
[85] 2018-01-10
[86] 2015-07-12 (PCT/IB2015/055264)
[87] (WO2015/151081)

---

[11] **2,991,993**
[13] C
[51] **Int.Cl. C08L 101/02 (2006.01) C09D 201/02 (2006.01)**
[25] EN
[54] **SELF-HEALING RESIN**
[54] **RESINE AUTO-CICATRISANTE**
[72] WILLIAMS, GREGORY ALLEN, US
[72] HENTSCHEL, JENS, US
[72] SATPUTE, ANURADHA, IN
[73] BEHR PROCESS CORPORATION, US
[86] (2991993)
[87] (2991993)
[22] 2018-01-16
[30] US (15/407,579) 2017-01-17

---

[11] **2,993,353**
[13] C
[51] **Int.Cl. A01G 23/095 (2006.01) A01G 23/097 (2006.01) B27L 1/10 (2006.01) B27L 1/12 (2006.01)**
[25] EN
[54] **DEBARKING CHAIN HAVING BENT LINKS**
[54] **CHAINE D'ECORCAGE POSSEDANT DES MAILLONS COURBES**
[72] MCCAULEY, JOHN J., US
[72] FITZGERALD, MATTHEW, US
[73] PEERLESS CHAIN COMPANY, US
[85] 2018-01-22
[86] 2016-08-03 (PCT/US2016/045387)
[87] (WO2017/027297)
[30] US (62/202,589) 2015-08-07

---

[11] **2,993,902**
[13] C
[51] **Int.Cl. G01S 13/90 (2006.01) G01S 7/02 (2006.01)**
[25] EN
[54] **INTERFEROMETRIC RADAR WITH ROTATING ANTENNA**
[54] **RADAR INTERFEROMETRIQUE A ANTENNE TOURNANTE**
[72] PIERACCINI, MASSIMILIANO, IT
[73] UNIVERSITA' DEGLI STUDI DI FIRENZE, IT
[85] 2018-01-26
[86] 2016-07-26 (PCT/IB2016/001052)
[87] (WO2017/017518)
[30] IT (102015000038482) 2015-07-27

---

[11] **2,994,575**
[13] C
[51] **Int.Cl. G06Q 20/12 (2012.01)**
[25] EN
[54] **METHOD, DEVICE, AND SYSTEM FOR RECEIVING CERTIFICATE**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE RECEPTION DE CERTIFICAT**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-02-02
[86] 2015-09-21 (PCT/CN2015/084640)
[87] (WO2017/012048)
[30] CN (201510428544.2) 2015-07-21

---

[11] **2,994,576**
[13] C
[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **ELECTRONIC CERTIFICATE PAYMENT METHOD, SYSTEM AND DEVICE**
[54] **PROCEDE, SYSTEME ET DISPOSITIF DE PAIEMENT PAR CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-02-02
[86] 2015-07-21 (PCT/CN2015/084651)
[87] (WO2017/012055)

[11] **2,995,609**
[13] C
[51] **Int.Cl. H02K 15/02 (2006.01) H02K 1/20 (2006.01) H02K 9/00 (2006.01)**
[25] EN
[54] **CAST COOLING ARRANGEMENT FOR ELECTRIC MACHINES**
[54] **AGENCEMENT DE REFROIDISSEMENT COULE POUR MACHINES ELECTRIQUES**
[72] DESBIENS, JEAN-PHILIPPE, CA
[72] DUBE, FRANCOIS, CA
[72] DUPUIS, DANNY, CA
[72] DEXTRAZE, JEAN-PHILIPPE, CA
[72] LATULIPE, ERIC, CA
[73] TM4 INC., CA
[85] 2018-02-14
[86] 2016-08-17 (PCT/CA2016/050966)
[87] (WO2017/027972)
[30] US (62/207,254) 2015-08-19

[11] **2,995,992**
[13] C
[51] **Int.Cl. A61B 17/12 (2006.01) A61B 17/04 (2006.01) A61B 17/062 (2006.01)**
[25] EN
[54] **ROTATION ADAPTER AND RECEIVER FOR MINIMALLY INVASIVE SURGICAL DEVICES**
[54] **ADAPTATEUR DE ROTATION ET RECEPTEUR POUR DISPOSITIFS CHIRURGICAUX A INVASION MINIMALE**
[72] SAUER, JUDE S., US
[72] PATTI, JASON C., US
[73] LSI SOLUTIONS, INC., US
[85] 2018-02-16
[86] 2016-08-19 (PCT/US2016/047839)
[87] (WO2017/031448)
[30] US (62/207,287) 2015-08-19

[11] **2,997,143**
[13] C
[51] **Int.Cl. B23Q 41/02 (2006.01) B23Q 41/04 (2006.01) B23Q 41/06 (2006.01)**
[25] EN
[54] **DYNAMIC MODIFICATION OF PRODUCTION PLANS RESPONSIVE TO MANUFACTURING DEVIATIONS**
[54] **MODIFICATION DYNAMIQUE DE PLANS DE PRODUCTION EN REACTION A DES DEVIATIONS DE FABRICATION**
[72] KAPILA, VIVEK, US
[72] DOSTERT, STEPHEN, US
[73] THE BOEING COMPANY, US
[86] (2997143)
[87] (2997143)
[22] 2018-03-01
[30] US (15/627112) 2017-06-19

[11] **2,998,023**
[13] C
[51] **Int.Cl. B60W 40/09 (2012.01)**
[25] EN
[54] **ELECTRONIC LOGGING DEVICE EVENT GENERATOR**
[54] **GENERATEUR D'EVENEMENT DESTINE A UN DISPOSITIF D'OUVERTURE DE SESSION ELECTRONIQUE**
[72] AMBROSE, JAMES ALLEN, US
[72] GOODRICH, JASON PHILIP, US
[73] J. J. KELLER & ASSOCIATES, INC., US
[86] (2998023)
[87] (2998023)
[22] 2018-03-13
[30] US (15/462,552) 2017-03-17

[11] **2,999,068**
[13] C
[51] **Int.Cl. A47L 9/24 (2006.01) A47L 5/24 (2006.01) A47L 5/36 (2006.01)**
[25] EN
[54] **AN APPLIANCE FOR VACUUM CLEANING**
[54] **UN APPAREIL DE NETTOYAGE PAR ASPIRATION**
[72] TIAN, JICHUAN, CN
[72] HU, JIANFENG, US
[72] XIANG, BO, CN
[73] NINGBO BEARI ELECTRIC CO LTD, CN
[85] 2018-03-23
[86] 2017-11-30 (PCT/CN2017/113963)
[87] (WO2018/103587)
[30] CN (201611106166.7) 2016-12-06

[11] **3,000,411**
[13] C
[51] **Int.Cl. B64C 1/10 (2006.01) B64F 5/10 (2017.01)**
[25] EN
[54] **PRESSURE BULKHEAD SYSTEM**
[54] **SYSTEME DE CLOISON SOUS PRESSION**
[72] DIEP, PAUL B., US
[72] DOPKER, BERNHARD, US
[72] VINGIANI, ROSARIO, US
[73] THE BOEING COMPANY, US
[86] (3000411)
[87] (3000411)
[22] 2018-04-05
[30] US (15/670,829) 2017-08-07

[11] **3,003,589**
[13] C
[51] **Int.Cl. A61K 47/50 (2017.01) A61K 49/00 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **DENDRIMER COMPOSITIONS AND METHODS FOR TREATMENT OF PEROXISOMAL DISORDERS AND LEUKODYSTROPHIES**
[54] **COMPOSITIONS DE DENDRIMERES ET METHODES POUR LE TRAITEMENT DE TROUBLES DU PEROXYSOME ET DE LEUCODYSTROPHIES**
[72] KANNAN, SUJATHA, US
[72] RANGARAMANUJAM, KANNAN, US
[72] ZHANG, FAN, US
[72] FATEMI, SEYED ALI, US
[72] TURK, BELA, AT
[72] GOK, OZGUL, US
[73] THE JOHNS HOPKINS UNIVERSITY, US
[73] KENNEDY KRIEGER INSTITUTE, INC., US
[85] 2018-04-27
[86] 2016-10-31 (PCT/US2016/059697)
[87] (WO2017/075580)
[30] US (62/248,163) 2015-10-29

[11] **3,007,360**
[13] C
[51] **Int.Cl. H04N 21/4227 (2011.01) H04N 21/218 (2011.01) H04N 21/2365 (2011.01) H04N 21/4223 (2011.01) H04N 21/462 (2011.01) H04N 21/472 (2011.01) H04N 21/81 (2011.01)**
[25] EN
[54] **REMOTE-CONTROLLED MEDIA STUDIO**
[54] **STUDIO MULTIMEDIA TELECOMMANDE**
[72] RAO, PADMANABHA R., US
[72] IYER, SATISH, IN
[73] SLING MEDIA PVT LTD, IN
[73] SLING MEDIA L.L.C., US
[85] 2018-06-04
[86] 2016-12-02 (PCT/US2016/064776)
[87] (WO2017/096268)
[30] US (62/263,085) 2015-12-04

---

[11] **3,007,483**
[13] C
[51] **Int.Cl. A61K 9/28 (2006.01) A61K 9/50 (2006.01) A61K 31/215 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARATION OF AN ENTERIC COATED GRANULATE COMPRISING DIMETHYL FUMARATE**
[54] **PROCEDE POUR LA PREPARATION D'UN GRANULE A REVETEMENT GASTRO-RESISTANT COMPRENANT DU FUMARATE DE DIMETHYLE**
[72] SKOCZEN, PRZEMYSLAW, PL
[72] DROZD, ALEKSANDRA, PL
[72] CICHOCKI, MAREK, PL
[73] ZAKLADY FARMACEUTYCZNE POLPHARMA S.A., PL
[85] 2018-06-05
[86] 2016-12-23 (PCT/EP2016/002175)
[87] (WO2017/114593)
[30] EP (15460146.2) 2015-12-31

---

[11] **3,008,560**
[13] C
[51] **Int.Cl. E04G 1/28 (2006.01) E04G 1/32 (2006.01) E04G 1/34 (2006.01)**
[25] EN
[54] **WORK SCAFFOLD AND METHOD**
[54] **ECHAFFAUDAGE DE TRAVAIL ET METHODE**
[72] PARKER, THOMAS W., US
[73] WERNER CO., US
[86] (3008560)
[87] (3008560)
[22] 2018-06-18
[30] US (62/521,843) 2017-06-19

---

[11] **3,008,867**
[13] C
[51] **Int.Cl. G02B 9/10 (2006.01) G02B 25/00 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **EYEPIECE AND HEAD-MOUNTED DISPLAY DEVICE**
[54] **VISEUR ET DISPOSITIF DE VISIOCASQUE**
[72] YANG, CHUN, CN
[73] GOERTEK TECHNOLOGY CO.,LTD., CN
[85] 2018-06-19
[86] 2017-12-18 (PCT/CN2017/117040)
[87] (WO2019/080325)
[30] CN (2017110033128) 2017-10-24

---

[11] **3,009,691**
[13] C
[25] EN
[54] **BIFURCATING MIXERS AND METHODS OF THEIR USE AND MANUFACTURE**
[54] **MELANGEURS A BIFURCATION ET LEURS PROCEDES D'UTILISATION ET DE FABRICATION**
[72] WILD, ANDRE, CA
[72] LEAVER, TIMOTHY, CA
[72] TAYLOR, ROBERT JAMES, CA
[73] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2018-06-26
[86] 2016-08-24 (PCT/CA2016/050997)
[87] (WO2017/117647)
[30] US (62/275,630) 2016-01-06

---

[11] **3,009,969**
[13] C
[51] **Int.Cl. E03C 1/04 (2006.01) F16K 11/074 (2006.01) F16K 31/60 (2006.01)**
[25] EN
[54] **LOW PROFILE FAUCET HANDLE ASSEMBLY FOR A ROMAN TUB**
[54] **ENSEMBLE DE POIGNEE DE ROBINET PROFILE BAS DESTINE A UN BAIN ROMAIN**
[72] DU, XAN VY, CA
[72] FISHER, BRYAN, CA
[73] MASCO CANADA LIMITED, CA
[86] (3009969)
[87] (3009969)
[22] 2018-06-28
[30] US (62/531,404) 2017-07-12
[30] US (16/015,542) 2018-06-22

---

[11] **3,010,070**
[13] C
[51] **Int.Cl. G01D 21/00 (2006.01) G01M 3/00 (2006.01)**
[25] EN
[54] **GAS LEAK DETECTION AND LOCATION DETERMINATION**
[54] **DETECTION DE FUITE DE GAZ ET DETERMINATION D'EMPLACEMENT**
[72] CORNWALL, MARK K., US
[73] ITRON, INC., US
[85] 2018-06-28
[86] 2016-12-19 (PCT/US2016/067544)
[87] (WO2017/116802)
[30] US (14/984,088) 2015-12-30

---

[11] **3,013,149**
[13] C
[51] **Int.Cl. A61K 33/24 (2019.01) A61K 47/22 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE SUSTAINED RELEASE OF CHROMIUM**
[54] **PROCEDES ET COMPOSITIONS UTILISES POUR LA LIBERATION PROLONGEE DE CHROME**
[72] KOMOROWSKI, JAMES, US
[73] NUTRITION 21, LLC, US
[86] (3013149)
[87] (3013149)
[22] 2008-03-11
[62] 2,681,158
[30] US (60/894,601) 2007-03-13

---

[11] **3,013,740**
[13] C
[51] **Int.Cl. B62B 1/18 (2006.01)**
[25] EN
[54] **EXPEDITION CART**
[54] **CHARIOTS D'EXPEDITION**
[72] JACKSON, THOMAS JOSEPH, JR., US
[73] JACKSON, THOMAS JOSEPH, JR., US
[86] (3013740)
[87] (3013740)
[22] 2016-08-05
[62] 2,938,328
[30] US (15/217,051) 2016-07-22

[11] **3,014,029**
[13] C
[51] **Int.Cl. H04L 5/00 (2006.01) H04L 27/14 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MAPPING DMRS CONFIGURATION TO PHASE NOISE TRACKING PILOT FOR IMPROVED RECEIVER PERFORMANCE**
[54] **SYSTEMES ET PROCEDES DE MAPPAGE D'UNE CONFIGURATION DMRS DU PILOTE DE SUIVI DU BRUIT DE PHASE POUR UNE PERFORMANCE DE RECEPTEUR AMELIOREE**
[72] HESSLER, MARTIN, SE
[72] BALDEMAIR, ROBERT, SE
[72] SAHLIN, HENRIK, SE
[72] LINDBOM, LARS, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2018-08-08
[86] 2017-02-08 (PCT/SE2017/050119)
[87] (WO2017/138871)
[30] US (62/292,921) 2016-02-09

[11] **3,014,366**
[13] C
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INDICATING CHANNEL IN WIRELESS LOCAL AREA NETWORK**
[54] **DISPOSITIF ET PROCEDE D'INDICATION DE CANAL DANS UN RESEAU LOCAL SANS FIL**
[72] LI, YUNBO, CN
[72] LI, YANCHUN, CN
[72] LIU, LE, CN
[72] ZHANG, JIAYIN, CN
[72] GAN, MING, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-08-03
[86] 2016-12-21 (PCT/CN2016/111325)
[87] (WO2017/133338)
[30] CN (201610084191.3) 2016-02-06
[30] CN (201610128055.X) 2016-03-07
[30] CN (201610353330.8) 2016-05-24

[11] **3,014,595**
[13] C
[51] **Int.Cl. H04L 7/00 (2006.01) H04W 56/00 (2009.01) H04J 3/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TDMA SLOT SYNCHRONIZATION AND CALIBRATION OF MASTER AND SLAVE**
[54] **METHODE ET APPAREIL DE SYNCHRONISATION DE FENTE TDMA ET ETALONNAGE DE MAITRE ET ESCLAVE**
[72] ZHANG, HAIJUN, CN
[72] HUANG, GUANGHUI, CN
[72] WU, SHIWEI, CN
[72] ZHANG, JIE, CN
[73] HARXON CORPORATION, CN
[85] 2018-08-17
[86] 2017-10-11 (PCT/CN2017/105618)
[87] (WO2018/227830)
[30] CN (201710446549.7) 2017-06-14

[11] **3,015,247**
[13] C
[51] **Int.Cl. C07K 14/54 (2006.01) C07K 14/55 (2006.01) C07K 14/705 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **NOVEL IMMUNOSTIMULATING VECTOR SYSTEM**
[54] **NOUVEAU SYSTEME DE VECTEUR IMMUNOSTIMULANT**
[72] SCHNIEDERS, FRANK, DE
[72] MIEGEL, ANDREA, DE
[72] BIERMANN-FLEISCHHAUER, CAROLIN, DE
[73] PROVECS MEDICAL GMBH, DE
[85] 2018-08-21
[86] 2017-02-23 (PCT/EP2017/054216)
[87] (WO2017/144602)
[30] EP (16157423.1) 2016-02-25

[11] **3,017,813**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/20 (2006.01) C07K 14/715 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **FUSION PROTEINS TARGETING TUMOUR ASSOCIATED MACROPHAGES FOR TREATING CANCER**
[54] **PROTEINES DE FUSION CIBLANT DES MACROPHAGES ASSOCIES AUX TUMEURS POUR LE TRAITEMENT DU CANCER**
[72] TVEITA, ANDERS, NO
[73] OSLO UNIVERSITETSSYKEHUS HF, NO
[85] 2018-09-14
[86] 2017-03-16 (PCT/IB2017/000388)
[87] (WO2017/158436)
[30] US (62/309,704) 2016-03-17

[11] **3,018,494**
[13] C
[51] **Int.Cl. A61K 47/64 (2017.01) A61K 31/138 (2006.01) A61K 31/277 (2006.01) A61K 31/352 (2006.01) A61K 31/4402 (2006.01) A61K 31/573 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **CO-ADMINISTRATION OF AN AGENT LINKED TO AN INTERNALIZATION PEPTIDE WITH AN ANTI-INFLAMMATORY**
[54] **CO-ADMINISTRATION D'UN AGENT LIE A UN PEPTIDE D'INTERNALISATION AVEC UN ANTI-INFLAMMATOIRE**
[72] TYMIANSKI, MICHAEL, CA
[72] GARMAN, JONATHAN DAVID, CA
[72] CUI, HONG, CA
[73] NONO INC., CA
[86] (3018494)
[87] (3018494)
[22] 2010-06-10
[62] 2,765,171
[30] US (61/185943) 2009-06-10

[11] **3,019,439**
[13] C
[51] **Int.Cl. G09B 9/02 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEMS FOR UPDATING A REMOTE REPOSITORY BASED ON DATA-TYPES**
[54] **PROCEDE ET SYSTEMES PERMETTANT DE METTRE A JOUR UN REFERENTIEL DISTANT SUR LA BASE DE TYPES DE DONNEES**
[72] EMOND, SEBASTIEN, CA
[72] GAUTHIER, ALEXANDRE, CA
[72] LAGACE, MICHEL, CA
[73] CAE INC., CA
[85] 2018-09-28
[86] 2016-03-31 (PCT/CA2016/000094)
[87] (WO2017/165944)

---

[11] **3,019,884**
[13] C
[51] **Int.Cl. E02D 27/42 (2006.01) E02B 17/02 (2006.01) E02D 23/02 (2006.01)**
[25] EN
[54] **DEVICE FOR PROTECTING AGAINST THE SCOURING OF GRANULAR FILLINGS SUBMERGED IN GRAVITY STRUCTURES**
[54] **DISPOSITIF DE PROTECTION CONTRE L'AFFOUILLEMENT DE REMBLAIS GRANULAIRES SUBMERGES DANS DES STRUCTURES DE GRAVITE**
[72] BAUDUIN, CHRISTOPHE, BE
[72] VAZQUEZ ROMERO, MIGUEL, ES
[72] GONZALEZ PATINO, NOELIA, ES
[72] MARTIN DIAZ, ELENA, ES
[72] REMON HIGUERA, JAIME, ES
[73] DRAGADOS, S.A., ES
[73] DRACE INFRAESTRUCTURAS, S.A., ES
[73] SA BESIX NV, BE
[85] 2018-10-03
[86] 2016-04-07 (PCT/ES2016/070236)
[87] (WO2017/174834)

---

[11] **3,022,660**
[13] C
[51] **Int.Cl. H04L 27/26 (2006.01)**
[25] EN
[54] **SIGNAL TRANSMISSION METHOD, NETWORK DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSMISSION DE SIGNAL, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2018-10-29
[86] 2016-05-12 (PCT/CN2016/081880)
[87] (WO2017/193339)

---

[11] **3,022,954**
[13] C
[51] **Int.Cl. H03M 13/11 (2006.01) H04W 28/04 (2009.01) H03M 13/03 (2006.01) H04L 1/18 (2006.01) H04L 1/22 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE, FLEXIBLE, AND COMPACT LOW-DENSITY PARITY-CHECK (LDPC) CODE**
[54] **CODE DE VERIFICATION DE PARITE FAIBLE DENSITE (LDPC) COMPACT, FLEXIBLE ET A HAUT RENDEMENT**
[72] RICHARDSON, THOMAS JOSEPH, US
[72] KUDEKAR, SHRINIVAS, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-11-01
[86] 2017-06-14 (PCT/US2017/037465)
[87] (WO2017/218665)
[30] US (62/349,784) 2016-06-14
[30] US (62/374,514) 2016-08-12
[30] US (15/622,008) 2017-06-13

---

[11] **3,023,807**
[13] C
[51] **Int.Cl. B29C 65/34 (2006.01) B29C 65/78 (2006.01) F16L 47/03 (2006.01)**
[25] EN
[54] **CONNECTION DEVICE FOR PIPE ELEMENTS**
[54] **DISPOSITIF DE RACCORDEMENT POUR ELEMENTS DE TUYAUTERIE**
[72] VAZQUEZ SANCHEZ, JAVIER ANTONIO, ES
[72] ROSA ARIZA, DAVID, ES
[72] MARTINEZ PEREZ, ALBERTO, ES
[73] ABN PIPE SYSTEMS, S.L.U., ES
[85] 2018-11-09
[86] 2017-05-12 (PCT/ES2017/070303)
[87] (WO2017/194812)
[30] ES (P201630623) 2016-05-13

---

[11] **3,024,053**
[13] C
[51] **Int.Cl. A61B 18/18 (2006.01) A61B 17/3207 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **ENERGY DELIVERY AND IMAGING CATHETER**
[54] **CATHETER D'IMAGERIE ET DISTRIBUTION D'ENERGIE**
[72] KATOH, OSAMU, JP
[72] OGATA, WAYNE, US
[73] ASAHI MEDICAL TECHNOLOGIES, INC., US
[86] (3024053)
[87] (3024053)
[22] 2008-09-23
[62] 2,700,968
[30] US (60/975,473) 2007-09-26

---

[11] **3,024,712**
[13] C
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **DATA EXCHANGE PROCESSING METHOD, TERMINAL, AND SYSTEM**
[54] **PROCEDE, TERMINAL ET SYSTEME DE TRAITEMENT D'ECHANGE DE DONNEES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-11-19
[86] 2015-06-30 (PCT/CN2015/082782)
[87] (WO2017/000183)

[11] **3,024,984**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **DIFFERENTIAL TAGGING OF RNA FOR PREPARATION OF A CELL-FREE DNA/RNA SEQUENCING LIBRARY**
[54] **MARQUAGE DIFFERENTIEL DE L'ARN POUR LA PREPARATION D'UNE BANQUE DE SEQUENCAGE D'ADN/ARN SANS CELLULE**
[72] LARSON, MATTHEW, US
[72] EATTOCK, NICK, US
[72] JAMSHIDI, ARASH, US
[72] KIM, H. JOHN, US
[73] GRAIL, LLC, US
[85] 2018-11-19
[86] 2017-06-29 (PCT/US2017/040027)
[87] (WO2018/005811)
[30] US (62/357,281) 2016-06-30
[30] US (62/368,025) 2016-07-28

[11] **3,027,764**
[13] C
[51] **Int.Cl. H04N 19/50 (2014.01)**
[25] EN
[54] **INTRA-PREDICTION VIDEO CODING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE CODAGE VIDEO PREDICTIF INTRA-IMAGES**
[72] ZHU, HONGBO, CN
[73] BEIJING QIYI CENTURY SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2018-12-14
[86] 2017-08-09 (PCT/CN2017/096632)
[87] (WO2018/040868)
[30] CN (201610799819.8) 2016-08-31

[11] **3,030,040**
[13] C
[51] **Int.Cl. G01S 19/48 (2010.01) H04W 52/02 (2009.01) G06Q 50/28 (2012.01) G01S 5/00 (2006.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **LOCATION TRACKING USING BEACONS**
[54] **SUIVI D'EMPLACEMENT A L'AIDE DE BALISES**
[72] TYLER, DANIEL PAUL, US
[72] SUBRAMANIAM, BALAKRISHNA, US
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2019-01-04
[86] 2017-07-20 (PCT/US2017/042993)
[87] (WO2018/017791)
[30] US (62/364,402) 2016-07-20

[11] **3,030,079**
[13] C
[51] **Int.Cl. C12N 9/00 (2006.01) C07H 21/00 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12P 19/34 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **NOVEL PROCESSES FOR THE PRODUCTION OF OLIGONUCLEOTIDES**
[54] **NOUVEAUX PROCEDES DE PRODUCTION D'OLIGONUCLEOTIDES**
[72] CRAMERI, ANDREAS, GB
[72] HILL, MALCOLM LEITHHEAD, GB
[72] LOVELOCK, SARAH LOUISE, GB
[72] SCHOBER, MARKUS, GB
[72] TEW, DAVID GRAHAM, GB
[72] THOMAS, PAMELA JOAN, GB
[73] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2019-01-07
[86] 2017-07-07 (PCT/EP2017/067049)
[87] (WO2018/011067)
[30] GB (1612011.5) 2016-07-11

[11] **3,030,468**
[13] C
[51] **Int.Cl. H01M 8/1039 (2016.01) H01M 8/1053 (2016.01) B32B 7/06 (2019.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01) H01M 8/1018 (2016.01) B32B 37/26 (2006.01)**
[25] EN
[54] **ROLL CONSTRUCTION OF LAMINATED MATERIAL AND METHOD FOR PRODUCING**
[54] **CONSTRUCTION EN ROULEAU DE MATERIAU STRATIFIE ET PROCEDE DE PRODUCTION**
[72] AGAPOV, ALEXANDER, US
[72] MARLETT, ANDREW M., US
[72] SUZUKI, TAKEYUKI, JP
[73] W. L. GORE & ASSOCIATES, INC., US
[73] W. L. GORE & ASSOCIATES G.K., JP
[85] 2019-01-09
[86] 2017-07-20 (PCT/US2017/043016)
[87] (WO2018/017803)
[30] US (62/364,369) 2016-07-20

[11] **3,030,900**
[13] C
[51] **Int.Cl. F24F 3/153 (2006.01) F24F 1/0083 (2019.01) F24F 1/009 (2019.01) F24F 13/30 (2006.01)**
[25] EN
[54] **DEHUMIDIFYING AND ENERGY RECAPTURE SYSTEM**
[54] **SYSTEME DE RECAPTURE DE DESHUMIDIFIANT ET DE RECAPTURE D'ENERGIE**
[72] BURG, CRAIG M., US
[73] DESERT AIRE CORP., US
[86] (3030900)
[87] (3030900)
[22] 2019-01-22
[30] US (62/620,143) 2018-01-22
[30] US (16/253,675) 2019-01-22

[11] **3,030,976**
[13] C
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/17 (2006.01)**
[25] EN
[54] **METHODS OF FIXATING TISSUE TO BONE**
[54] **PROCEDES DE FIXATION DE TISSU A UN OS**
[72] LAVIANO, ANTHONY A., US
[72] JOLLY, JACOB A., US
[72] HELENBOLT, KENNETH T., US
[72] CUSTODIO, AUGUSTO, US
[73] ARTHREX, INC., US
[85] 2019-01-15
[86] 2017-08-11 (PCT/US2017/046477)
[87] (WO2018/034975)
[30] US (15/240,804) 2016-08-18

---

[11] **3,031,608**
[13] C
[51] **Int.Cl. A47G 29/122 (2006.01)**
[25] EN
[54] **MAILBOX AND SYSTEM WITH ILLUMINATED CHARACTERS**
[54] **BOITE AUX LETTRES ET SYSTEME COMPORTANT DES CARACTERES ILLUMINES**
[72] FONSECA, EFRAIN, US
[72] FONSECA, BERNICE, US
[73] FONSECA, EFRAIN, US
[73] FONSECA, BERNICE, US
[85] 2019-02-07
[86] 2018-10-26 (PCT/US2018/057819)
[87] (WO2019/084474)
[30] US (15/796,084) 2017-10-27

---

[11] **3,031,763**
[13] C
[51] **Int.Cl. A24F 40/40 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **VAPORIZATION DEVICE HAVING A PLURALITY OF PENS**
[54] **DISPOSITIF DE VAPORISATION COMPORTANT PLUSIEURS CARTOUCHES**
[72] FORNARELLI, THOMAS, US
[73] DB INNOVATION INC., US
[86] (3031763)
[87] (3031763)
[22] 2017-06-13
[62] 2,984,730
[30] US (15/181,323) 2016-06-13

---

[11] **3,031,957**
[13] C
[51] **Int.Cl. G03G 15/06 (2006.01)**
[25] EN
[54] **CARTRIDGE, AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS WHICH USES CARTRIDGE**
[54] **CARTOUCHE, ET APPAREIL ELECTROPHOTOGRAPHIQUE DE FORMATION D'IMAGES UTILISANT LADITE CARTOUCHE**
[72] MIYABE, SHIGEO, JP
[72] UENO, TAKAHITO, JP
[72] MORIOKA, MASANARI, JP
[73] CANON KABUSHIKI KAISHA, JP
[86] (3031957)
[87] (3031957)
[22] 2009-06-09
[62] 2,946,487
[30] JP (2008-151824) 2008-06-10

---

[11] **3,033,543**
[13] C
[51] **Int.Cl. A01B 73/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL IMPLEMENT FRAME ASSEMBLY**
[54] **ASSEMBLAGE DE CADRE D'ACCESSOIRE AGRICOLE**
[72] SHEPPARD, CLINT W., CA
[72] GORDON, JEFFREY JONATHAN, CA
[73] MORRIS EQUIPMENT LTD., CA
[86] (3033543)
[87] (3033543)
[22] 2019-02-08
[30] US (62/628,549) 2018-02-09
[30] US (62/628,558) 2018-02-09

---

[11] **3,034,908**
[13] C
[51] **Int.Cl. G05D 1/02 (2020.01) H04N 13/106 (2018.01) B60W 60/00 (2020.01) B60W 30/10 (2006.01)**
[25] EN
[54] **RAPID GROUND-PLANE DISCRIMINATION IN STEREOSCOPIC IMAGES**
[54] **DISCRIMINATION RAPIDE DE PLAN DE SOL DANS LES IMAGES STEREOSCOPIQUES**
[72] BELL, GORDON, CA
[73] BLACKBERRY LIMITED, CA
[86] (3034908)
[87] (3034908)
[22] 2019-02-26
[30] US (15/907,887) 2018-02-28

---

[11] **3,036,076**
[13] C
[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRODUCING CUSTOMIZED PRODUCTS INTERMIXED WITH MASS PRODUCED PRODUCTS**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION DE PRODUITS PERSONNALISES MELANGES AVEC DES PRODUITS PRODUITS EN MASSE**
[72] BURKHARD, RYAN ANDREW, US
[72] MOORE, NATHAN E., US
[72] CAPECI, SCOTT WILLIAM, US
[72] CACCIATORE, JUSTIN THOMAS, US
[72] ROYCE, DANIEL RICHARD, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-03-06
[86] 2017-09-08 (PCT/US2017/050627)
[87] (WO2018/049122)
[30] US (62/385,293) 2016-09-09

---

[11] **3,036,487**
[13] C
[51] **Int.Cl. A61B 34/00 (2016.01) A61B 34/20 (2016.01) G16H 30/00 (2018.01) G06T 3/20 (2006.01) G06T 3/40 (2006.01) G06T 7/00 (2017.01) A61B 6/03 (2006.01)**
[25] EN
[54] **IMAGING SYSTEM AND METHOD FOR USE IN SURGICAL AND INTERVENTIONAL MEDICAL PROCEDURES**
[54] **SYSTEME ET PROCEDE D'IMAGERIE A UTILISER DANS DES PROCEDURES CHIRURGICALES ET DES INTERVENTIONS MEDICALES**
[72] ISAACS, ROBERT E., US
[72] JOHNSTON, SAMUEL MORRIS, US
[73] NUVASIVE, INC., US
[86] (3036487)
[87] (3036487)
[22] 2012-10-05
[62] 2,851,369
[30] US (13/253838) 2011-10-05

[11] **3,037,809**
[13] C
[51] **Int.Cl. F21V 33/00 (2006.01) F21V 23/04 (2006.01)**
[25] EN
[54] **LIGHTING DEVICE AND KIT**
[54] **DISPOSITIF D'ECLAIRAGE ET NECESSAIRE**
[72] WALKER, REBECCA GAYE, US
[72] LOTT, ROBERT MCCAUSLAND, US
[73] WALKER, REBECCA GAYE, US
[73] LOTT, ROBERT MCCAUSLAND, US
[85] 2019-03-20
[86] 2017-09-28 (PCT/US2017/054123)
[87] (WO2018/067378)
[30] US (15/284,133) 2016-10-03

[11] **3,040,378**
[13] C
[51] **Int.Cl. B28B 7/00 (2006.01) B28B 1/52 (2006.01) C04B 35/622 (2006.01) C04B 35/80 (2006.01) F01D 5/14 (2006.01) F01D 5/28 (2006.01)**
[25] EN
[54] **TOOLING ASSEMBLY HAVING CAM CLOSING FEATURE**
[54] **ASSEMBLAGE D'OUTILLAGE COMPORTANT UNE FONCTIONNALITE DE FERMETURE A CAME**
[72] WHITE, JOEL PRIMMER, US
[72] SENILE, DARRELL GLENN, US
[72] HOLADAY, THOMAS SAMUEL, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (3040378)
[87] (3040378)
[22] 2019-04-16
[30] US (15/957,064) 2018-04-19

[11] **3,040,547**
[13] C
[51] **Int.Cl. A61K 9/26 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/38 (2006.01) A61K 47/40 (2006.01) A61K 47/46 (2006.01)**
[25] EN
[54] **CANNABINOID LOZENGE FORMULATION**
[54] **FORMULATION DE PASTILLE DE CANNABINOIDE**
[72] BRUUN, HEIDI ZIEGLER, DK
[72] BOESEN, DORTHE SCHACKINGER, DK
[72] ERIKSEN, ANE, DK
[73] NORDICCAN A/S, DK
[86] (3040547)
[87] (3040547)
[22] 2019-04-17

[11] **3,041,159**
[13] C
[51] **Int.Cl. H04L 9/32 (2006.01)**
[25] EN
[54] **MANAGING COMMUNICATIONS AMONG CONSENSUS NODES AND CLIENT NODES**
[54] **GESTION DE COMMUNICATIONS ENTRE DES NOEUDS DE CONSENSUS ET DES NOEUDS CLIENTS**
[72] PAN, DONG, CN
[72] YAN, XUEBING, CN
[72] CHEN, SHENGLONG, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-04-18
[86] 2018-11-07 (PCT/CN2018/114417)
[87] (WO2019/072267)

[11] **3,042,729**
[13] C
[51] **Int.Cl. A61K 31/56 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **IN SITU GEL-FORMING PHARMACEUTICAL COMPOSITIONS AND USES THEREOF FOR SINUS DISEASES**
[54] **COMPOSITIONS PHARMACEUTIQUES FORMANT IN SITU UN GEL ET LEURS UTILISATIONS POUR DES MALADIES DES SINUS**
[72] LIANG, BO, US
[73] IVIEW THERAPEUTICS, INC., US
[85] 2019-05-02
[86] 2018-09-04 (PCT/US2018/049333)
[87] (WO2019/046844)
[30] US (62/553,806) 2017-09-02

[11] **3,043,842**
[13] C
[51] **Int.Cl. B08B 7/00 (2006.01) B08B 11/00 (2006.01) B23K 26/352 (2014.01) B23K 26/402 (2014.01) H01S 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR CLEANING OPTICAL COMPONENT AND CLEANING APPARATUS**
[54] **PROCEDE DE NETTOYAGE DE COMPOSANT OPTIQUE ET APPAREIL DE NETTOYAGE**
[72] TANAKA, TOSHIYUKI, JP
[72] OYAMA, SATOSHI, JP
[72] MATSUO, KAZUHIDE, JP
[72] MIYASAKA, SHINICHI, JP
[73] HONDA MOTOR CO., LTD., JP
[86] (3043842)
[87] (3043842)
[22] 2019-05-21
[30] JP (2018-099316) 2018-05-24

[11] **3,044,458**
[13] C
[51] **Int.Cl. A47B 57/00 (2006.01) A47B 45/00 (2006.01) A47B 96/06 (2006.01) A47B 96/14 (2006.01)**
[25] EN
[54] **SUPPORT APPARATUS**
[54] **APPAREIL DE SOUTIEN**
[72] CROWLEY, WILLIAM J., US
[73] QUICK-SLING, LLC, US
[86] (3044458)
[87] (3044458)
[22] 2012-10-16
[62] 2,792,770
[30] US (13/274,763) 2011-10-17

[11] **3,044,811**
[13] C
[51] **Int.Cl. E21C 35/08 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CONTROLLING THE HEADING OF A MINING MACHINE**
[54] **METHODES ET SYSTEMES DE CONTROLE DE LA TETE D'UNE MACHINE D'EXPLOITATION MINIERE**
[72] DAVIS, LEE, US
[72] FERGUSON, DANIEL C., US
[72] HUMENAY, ERIC, US
[72] ROGERS, RICK, US
[73] JOY GLOBAL UNDERGROUND MINING LLC, US
[86] (3044811)
[87] (3044811)
[22] 2019-05-31
[30] US (62/679,424) 2018-06-01
[30] US (62/681,345) 2018-06-06

[11] **3,045,773**
[13] C
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 23/06 (2006.01) E21B 33/127 (2006.01)**
[25] EN
[54] **PACKER SEALING ELEMENT WITH NON-SWELLING LAYER**
[54] **ELEMENT D'ETANCHEITE DE GARNITURE D'ETANCHEITE AVEC COUCHE NON GONFLANTE**
[72] JAKKULA, PREM SAGAR, NO
[72] GJELSTAD, GEIR, US
[72] GARDNER, VAUGHN HENRIE, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-05-31
[86] 2017-02-07 (PCT/US2017/016848)
[87] (WO2018/147833)

[11] **3,048,414**
[13] C
[51] **Int.Cl. B24D 18/00 (2006.01) B24D 3/10 (2006.01)**
[25] EN
[54] **PROCESS OF FORMING AN ABRASIVE ARTICLE**
[54] **PROCEDE DE FORMATION D'ARTICLE ABRASIF**
[72] XIAO, JI, CN
[72] LUO, AIYUN, CN
[72] GOSAMO, IGNAZIO, BE
[72] SUSEK, VIVIAN, FR
[73] SAINT-GOBAIN ABRASIVES, INC., US
[73] SAINT-GOBAIN ABRASIFS, FR
[85] 2019-06-25
[86] 2017-12-20 (PCT/US2017/067683)
[87] (WO2018/125722)
[30] CN (201611222046.3) 2016-12-26
[30] US (62/450,910) 2017-01-26

[11] **3,049,491**
[13] C
[51] **Int.Cl. E21B 43/38 (2006.01)**
[25] EN
[54] **METHOD FOR SEPARATING UNDERGROUND OIL, GAS, WATER AND SAND AND SEPARATOR**
[54] **PROCEDE DE SEPARATION DE PETROLE, DE GAZ, D'EAU ET DE SABLE SOUTERRAINS ET SEPARATEUR**
[72] WANG, YAN, CN
[72] WANG, DEMIN, CN
[72] ZHONG, RONG, CN
[72] LIU, QUAN, CN
[72] LIU, JINTANG, CN
[73] PETROCHINA COMPANY LIMITED, CN
[73] DAQING OILFIELD CO., LTD., CN
[85] 2019-07-05
[86] 2018-01-12 (PCT/CN2018/072424)
[87] (WO2018/141199)
[30] CN (201710063173.1) 2017-02-03

[11] **3,049,600**
[13] C
[51] **Int.Cl. G06F 17/10 (2006.01) G10L 19/22 (2013.01) G10L 19/24 (2013.01) G10L 19/26 (2013.01) G10L 19/02 (2013.01)**
[25] EN
[54] **BACKWARD-COMPATIBLE INTEGRATION OF HARMONIC TRANSPOSER FOR HIGH FREQUENCY RECONSTRUCTION OF AUDIO SIGNALS**
[54] **INTEGRATION RETROCOMPATIBLE D'UN TRANSPOSEUR HARMONIQUE POUR UNE RECONSTRUCTION HAUTE FREQUENCE DE SIGNAUX AUDIO**
[72] VILLEMOES, LARS, US
[72] PURNHAGEN, HEIKO, US
[72] EKSTRAND, PER, US
[73] DOLBY INTERNATIONAL AB, NL
[85] 2019-07-05
[86] 2018-03-19 (PCT/US2018/023183)
[87] (WO2018/175347)
[30] US (62/475,619) 2017-03-23

[11] **3,050,701**
[13] C
[51] **Int.Cl. E21B 43/20 (2006.01) E21B 43/12 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **HYDROCARBON RECOVERY WITH INJECTION OF PRESSURIZED FLUID AND PRODUCTION VIA SINGLE WELL**
[54] **RECUPERATION D'HYDROCARBURE PAR INJECTION DE FLUIDE SOUS PRESSION ET PRODUCTION AU MOYEN D'UN SEUL PUITS**
[72] LASTIWKA, MARTIN, CA
[72] WATT, ALAN, CA
[73] SUNCOR ENERGY INC., CA
[86] (3050701)
[87] (3050701)
[22] 2017-05-01
[62] 2,965,633

[11] **3,051,292**
[13] C
[51] **Int.Cl. E21B 43/16 (2006.01) E21B 43/12 (2006.01) E21B 43/22 (2006.01) E21B 43/24 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **MULTISTAGE SOLVENT STIMULATION FOR HEAVY OIL OR BITUMEN RECOVERY PROCESS**
[54] **STIMULATION DE SOLVANT EN PLUSIEURS ETAPES POUR PROCEDE DE RECUPERATION DE PETROLE LOURD OU DE BITUME**
[72] IBATULLIN, TAIR, CA
[72] AGHABARATI, HOSSEIN, CA
[73] SUNCOR ENERGY INC., CA
[86] (3051292)
[87] (3051292)
[22] 2019-08-07

[11] **3,051,701**
[13] C
[51] **Int.Cl. C11D 3/04 (2006.01) C11D 3/16 (2006.01) C11D 3/37 (2006.01) C11D 3/50 (2006.01) C11D 7/06 (2006.01) C11D 7/08 (2006.01) C11D 7/22 (2006.01) C11D 17/00 (2006.01)**
[25] EN
[54] **METHODS FOR MAKING ENCAPSULATE-CONTAINING PRODUCT COMPOSITIONS**
[54] **PROCEDES DE FABRICATION DE COMPOSITIONS DE PRODUIT CONTENANT DES AGENTS D'ENCAPSULATION**
[72] SONG, XINBEI, US
[72] WILDEMUTH, DOUGLAS JAMES, US
[72] KENNEALLY, COREY JAMES, US
[72] VERSTRAETE, PIERRE, BE
[72] FASBENDER, OLIVER, BE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-07-25
[86] 2018-02-27 (PCT/US2018/019815)
[87] (WO2018/169673)
[30] US (15/460,272) 2017-03-16

[11] **3,051,961**
[13] C
[51] **Int.Cl. B29C 64/153 (2017.01)**
[25] EN
[54] **POROUS TOOLS AND METHODS OF MAKING THE SAME**
[54] **OUTILS POREUX ET LEURS PROCEDES DE FABRICATION**
[72] COUSINEAU, NOLAN LEANDER, US
[72] SIZEMORE, NATHAN CARL, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (3051961)
[87] (3051961)
[22] 2019-08-14
[30] US (16/108,657) 2018-08-22

[11] **3,052,253**
[13] C
[51] **Int.Cl. A42B 3/04 (2006.01) A24B 1/00 (2006.01) A42B 1/24 (2021.01) A42B 3/00 (2006.01) A42B 3/18 (2006.01) A42B 3/30 (2006.01)**
[25] EN
[54] **HELMET ATTACHMENT DEVICE**
[54] **DISPOSITIF DE FIXATION DE CASQUE**
[72] SOTO, RONALD R., US
[72] PRENDERGAST, JONATHON R., US
[73] NOROTOS, INC., US
[85] 2019-07-31
[86] 2017-08-08 (PCT/US2017/045985)
[87] (WO2018/147898)
[30] US (15/426,936) 2017-02-07

[11] **3,052,374**
[13] C
[51] **Int.Cl. B65G 53/66 (2006.01) E02D 3/08 (2006.01) E02D 17/18 (2006.01) E02D 17/20 (2006.01) E02D 27/26 (2006.01) G05D 15/01 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR HIGH CAPACITY STONE DELIVERY WITH CONCENTRIC FLOW AND ENHANCED NOSECONE FOR SOIL IMPROVEMENT**
[54] **DISPOSITIF DE DEPOSE DE GRAVIER A DEBIT ELEVE ET FLUX CONCENTRIQUES AU MOYEN D'UNE TETE CONIQUE PERFECTIONNEE POUR LE TRAITEMENT DU SOL**
[72] CALLAN, SEAN G., US
[72] BAEZ, JUAN I., US
[73] CALLAN, SEAN G., US
[73] BAEZ, JUAN I., US
[86] (3052374)
[87] (3052374)
[22] 2012-01-31
[62] 2,766,769
[30] US (13/019392) 2011-02-02

[11] **3,052,612**
[13] C
[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **METHOD AND DEVICE FOR OBTAINING ELECTRONIC TRANSACTION CERTIFICATE, AND STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF POUR OBTENIR UN CERTIFICAT DE TRANSACTION ELECTRONIQUE, ET SUPPORT D'INFORMATIONS**
[72] ZHANG, YI, CN
[73] 1035744 CANADA LTD., CA
[86] (3052612)
[87] (3052612)
[22] 2015-04-30
[62] 3,022,694

[11] **3,052,715**
[13] C
[51] **Int.Cl. C04B 28/00 (2006.01) C04B 18/02 (2006.01) C04B 20/10 (2006.01) C04B 28/06 (2006.01) C04B 28/26 (2006.01) C04B 40/00 (2006.01) C09K 8/00 (2006.01) C09K 8/03 (2006.01)**
[25] EN
[54] **NOVEL MATERIAL AND PRODUCTION THEREOF FOR USE AS STORAGE MEDIUM IN A SENSITIVE ENERGY STORAGE SYSTEM IN THE LOW-, MEDIUM- OR HIGH-TEMPERATURE SECTOR**
[54] **MATERIAU NOVATEUR ET SA PRODUCTION DESTINEE A UNE UTILISATION COMME SUPPORT DE STOCKAGE DE SYSTEME DE STOCKAGE D'ENERGIE SENSIBLE DANS LA PLAGE DE TEMPERATURES BASSES, MOYENNES OU ELEVEES**
[72] ROCKTASCHEL, CHRISTIAN, DE
[73] FLUORCHEMIE GMBH FRANKFURT, DE
[85] 2019-08-06
[86] 2017-09-01 (PCT/EP2017/072012)
[87] (WO2018/157954)
[30] EP (PCT/EP2017/054767) 2017-03-01

[11] **3,052,983**
[13] C
[51] **Int.Cl. A61B 17/34 (2006.01) A61M 13/00 (2006.01) A61M 39/06 (2006.01)**
[25] EN
[54] **SINGLE LUMEN GAS SEALED TROCAR FOR MAINTAINING STABLE CAVITY PRESSURE WITHOUT ALLOWING INSTRUMENT ACCESS THERETHROUGH DURING ENDOSCOPIC SURGICAL PROCEDURES**
[54] **TROCART ETANCHE AU GAZ A LUMIERE UNIQUE POUR MAINTENIR UNE PRESSION DE CAVITE STABLE SANS PERMETTRE UN ACCES A L'INSTRUMENT A TRAVERS CELUI-CI PENDANT DES PROCEDURES CHIRURGICALES ENDOSCOPIQUES**
[72] KANE, MICHAEL J., US
[72] KLEYMAN, GENNADY, US
[72] AUGELLI, MICHAEL J., US
[72] SILVER, MIKIYA, US
[73] CONMED CORPORATION, US
[85] 2019-08-07
[86] 2018-02-23 (PCT/US2018/019506)
[87] (WO2018/164860)
[30] US (62/468,417) 2017-03-08
[30] US (15/896,314) 2018-02-14

[11] **3,053,100**
[13] C
[51] **Int.Cl. H04N 13/239 (2018.01) G06T 19/00 (2011.01) H04N 13/271 (2018.01) H04N 13/366 (2018.01) H04N 7/18 (2006.01)**
[25] EN
[54] **A DISPLAY SYSTEM AND METHOD FOR REMOTE OPERATION USING ACQUIRED THREE-DIMENSIONAL DATA OF AN OBJECT AND VIEWPOINT POSITION DATA OF A WORKER**
[54] **SYSTEME DE VISUALISATION ET METHODE D'EXPLOITATION A DISTANCE AU MOYEN DE DONNEES TRIDIMENSIONNELLES ACQUISES D'UN OBJET ET DE DONNEES DE POSITION DU POINT DE VUE D'UN TRAVAILLEUR**
[72] KONDO, DAISUKE, JP
[72] TANIMOTO, TAKANOBU, JP
[72] NANRI, YU, JP
[72] YOSHINADA, HIROSHI, JP
[73] KOMATSU LTD., JP
[73] OSAKA UNIVERSITY, JP
[85] 2019-08-08
[86] 2017-12-28 (PCT/JP2017/047205)
[87] (WO2018/168163)
[30] JP (2017-047904) 2017-03-13

[11] **3,053,082**
[13] C
[51] **Int.Cl. A61F 5/01 (2006.01) A61H 3/00 (2006.01) A61F 2/66 (2006.01)**
[25] EN
[54] **POSTERIOR UPRIGHT OF ANKLE FOOT ORTHOSIS AND ANKLE FOOT ORTHOSIS**
[54] **MONTANT POSTERIEUR D'UNE ORTHESE DE CHEVILLE ET ORTHESE DE CHEVILLE**
[72] SANO, TAICHI, JP
[72] KONISHI, KATSUHIRO, JP
[73] SAWAMURA PROSTHETICS AND ORTHOTICS SERVICE CO., LTD., JP
[73] THERAPY CO., LTD., JP
[85] 2019-08-27
[86] 2018-12-14 (PCT/JP2018/046078)
[87] (WO2020/121513)

[11] **3,053,323**
[13] C
[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **PRE-COOLING OF NATURAL GAS BY HIGH PRESSURE COMPRESSION AND EXPANSION**
[54] **PREREFROIDISSEMENT DE GAZ NATUREL PAR COMPRESSION ET DETENTE A HAUTE PRESSION**
[72] PIERRE, FRITZ, JR., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2019-08-12
[86] 2018-01-15 (PCT/US2018/013701)
[87] (WO2018/147973)
[30] US (62/458,127) 2017-02-13

[11] **3,053,638**
[13] C
[51] **Int.Cl. F01B 17/00 (2006.01) F01B 17/02 (2006.01) F01B 29/10 (2006.01) F01K 7/00 (2006.01) F01K 25/00 (2006.01) F01K 25/10 (2006.01)**
[25] EN
[54] **A NEAR-ADIABATIC ENGINE**
[54] **MOTEUR QUASI-ADIABATIQUE**
[72] JOHNSTON, BARRY W., US
[73] JOHNSTON, BARRY W., US
[85] 2019-08-14
[86] 2017-03-10 (PCT/US2017/021900)
[87] (WO2018/164696)

---

[11] **3,053,879**
[13] C
[51] **Int.Cl. A61K 8/19 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **AQUEOUS DENTIFRICES COMPRISING A CALCIUM ABRASIVE, A BICARBONATE SALT, AND A LOW LEVEL OF HUMECTANT**
[54] **DENTIFRICES AQUEUX COMPRENANT UN ABRASIF AU CALCIUM, UN SEL D'HYDROGENOCARBONATE ET UNE FAIBLE TENEUR EN HUMIDIFIANT**
[72] BASA, SWAPNA, CN
[72] SHI, YUNMING, CN
[72] STRAND, ROSS, SG
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-08-16
[86] 2017-03-03 (PCT/CN2017/075532)
[87] (WO2018/157366)

---

[11] **3,054,529**
[13] C
[51] **Int.Cl. G06Q 40/06 (2012.01)**
[25] EN
[54] **INSURANCE MANAGEMENT SYSTEM AND METHOD FOR SAME**
[54] **SYSTEME ET PROCEDE DE GESTION D'ASSURANCE**
[72] TANABE, KOJI, US
[72] SUGAYA, TSUNESABURO, US
[72] INABA, KIYONORI, JP
[73] I PEACE, INC., US
[73] FANUC CORPORATION, JP
[85] 2019-08-23
[86] 2018-02-22 (PCT/JP2018/006511)
[87] (WO2018/155570)
[30] US (62/463,841) 2017-02-27

---

[11] **3,055,429**
[13] C
[51] **Int.Cl. A61K 47/34 (2017.01) A61K 9/00 (2006.01) A61K 47/14 (2017.01) A61P 27/02 (2006.01)**
[25] EN
[54] **INJECTABLE AND BIODEGRADABLE POLYMER FORMULATIONS FOR CONTROLLED RELEASE OF BIOACTIVE AGENTS**
[54] **FORMULATIONS INJECTABLES DE POLYMERES BIODEGRADABLES POUR LA LIBERATION CONTROLEE D'AGENTS BIOACTIFS**
[72] BEGOVAC, PAUL C., US
[72] CLEEK, ROBERT L., US
[72] LI, MEI, US
[73] W.L. GORE & ASSOCIATES, INC., US
[85] 2019-09-04
[86] 2018-03-27 (PCT/US2018/024416)
[87] (WO2018/183224)
[30] US (62/476,900) 2017-03-27
[30] US (15/935,692) 2018-03-26

---

[11] **3,055,818**
[13] C
[51] **Int.Cl. G05B 13/02 (2006.01) G05B 19/4099 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ROBUST REDUCTION OF SHAPE ERROR IN LASER POWDER DEPOSITION BASED ADDITIVE MANUFACTURING PROCESS DUE TO UNCERTAINTY**
[54] **PROCEDE ET APPAREIL DE REDUCTION ROBUSTE D'ERREUR DE FORME DANS UN PROCESSUS DE FABRICATION ADDITIVE BASE SUR LE DEPOT DE POUDRE LASER EN RAISON D'UNE INCERTITUDE**
[72] XU, YI, US
[72] SRIVASTAVA, SANJEEV, US
[72] MIRABELLA, LUCIA, US
[72] MADELEY, DAVID, GB
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2019-09-06
[86] 2018-03-08 (PCT/US2018/021477)
[87] (WO2018/165381)
[30] US (62/469,587) 2017-03-10

---

[11] **3,056,259**
[13] C
[51] **Int.Cl. E21B 47/024 (2006.01) E21B 7/04 (2006.01)**
[25] EN
[54] **DETERMINING ANGULAR OFFSET BETWEEN GEOMAGNETIC AND GRAVITATIONAL FIELDS WHILE DRILLING WELLBORE**
[54] **DETERMINATION DE DECALAGE ANGULAIRE ENTRE DES CHAMPS GEOMAGNETIQUES ET GRAVITATIONNELS PENDANT LE FORAGE D'UN PUITS DE FORAGE**
[72] SULLIVAN, DANIEL, US
[72] LINES, LIAM, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2019-09-11
[86] 2018-04-06 (PCT/US2018/026596)
[87] (WO2018/191127)
[30] US (15/487,214) 2017-04-13

---

[11] **3,056,462**
[13] C
[51] **Int.Cl. E21B 34/14 (2006.01) E21B 43/26 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **BALL ACTUATED SLEEVE WITH CLOSING FEATURE**
[54] **MANCHON ACTIONNE PAR BILLE AVEC MECANISME DE FERMETURE**
[72] BENSON, COLE ALEXANDER, CA
[73] HALLIBURTON ENERGY SERVICES, INC., US
[86] (3056462)
[87] (3056462)
[22] 2019-09-23
[30] US (16/569,395) 2019-09-12

[11] **3,056,520**
[13] C
[51] **Int.Cl. F04B 53/10 (2006.01) F04B 1/0452 (2020.01) F04B 1/0538 (2020.01) E21B 43/12 (2006.01) F04B 1/053 (2020.01) F04B 53/16 (2006.01) F16K 1/36 (2006.01) F16K 1/42 (2006.01) F16K 15/02 (2006.01)**
[25] EN
[54] **LINER FOR FRAC PUMP SECTION MANIFOLD**
[54] **CHEMISAGE DE COLLECTEUR DE SECTION DE POMPE DE FRACTURATION**
[72] YEUNG, TONY, US
[72] SUDDERTH, JOHN LEN, US
[73] BJ ENERGY SOLUTIONS, LLC, US
[86] (3056520)
[87] (3056520)
[22] 2018-07-10
[62] 3,010,947
[30] US (62/530587) 2017-07-10
[30] US (16/026236) 2018-07-03

[11] **3,056,567**
[13] C
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 17/24 (2006.01)**
[25] EN
[54] **NAVIGATED MALLEABLE SURGICAL INSTRUMENT**
[54] **INSTRUMENT CHIRURGICAL MALLEABLE PILOTABLE**
[72] BURG, BRUCE M., US
[72] SMETZER, ROSS, US
[72] BZOSTEK, ANDREW, US
[72] HARTMANN, STEVEN L., US
[72] JACOBSEN, BRAD, US
[72] NADEAU, MATTHEW J., US
[73] MEDTRONIC XOMED, INC., US
[86] (3056567)
[87] (3056567)
[22] 2011-04-29
[62] 2,942,656
[30] US (61/330,024) 2010-04-30
[30] US (13/097,243) 2011-04-29

[11] **3,056,646**
[13] C
[51] **Int.Cl. E01H 4/02 (2006.01) E01H 5/00 (2006.01)**
[25] EN
[54] **PISTE GROOMING VEHICLE AND METHOD FOR OPERATING A PISTE GROOMING VEHICLE**
[54] **VEHICULE D`ENTRETIEN DE PISTES ET METHODE D`OPERATION DUDIT VEHICULE**
[72] BETZ, PETER, DE
[72] HARGOAA, OLIVIER, FR
[72] KUHN, MICHAEL, DE
[72] ROTTMAIR, JENS, DE
[72] ZIMMERMANN, JONATHAN, DE
[73] KASSBOHRER GELANDEFAHRZEUG AG, DE
[86] (3056646)
[87] (3056646)
[22] 2019-09-25
[30] DE (102018217049.5) 2018-10-05

[11] **3,056,740**
[13] C
[51] **Int.Cl. B41J 2/175 (2006.01)**
[25] EN
[54] **PRINTING-FLUID CARTRIDGE, SET OF PRINTING-FLUID CARTRIDGES, AND SYSTEM INCLUDING THE PRINTING-FLUID CARTRIDGE AND PRINTING-FLUID CONSUMING APPARATUS**
[54] **CARTOUCHE DE FLUIDE D'IMPRESSION, ENSEMBLE DE CARTOUCHES DE FLUIDE D'IMPRESSION, ET SYSTEME COMPRENANT LA CARTOUCHE DE FLUIDE D'IMPRESSION ET APPAREIL A CONSOMMATION DE FLUIDE D'I MPRESSION**
[72] NUKUI, KOSUKE, JP
[72] NAKAZAWA, FUMIO, JP
[72] TOMOGUCHI, SUGURU, JP
[72] TAKAHASHI, HIROAKI, JP
[72] ONO, AKIHITO, JP
[72] KOBAYASHI, TETSURO, JP
[72] MIYAO, TAKAHIRO, JP
[73] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2019-09-16
[86] 2017-07-31 (PCT/JP2017/027644)
[87] (WO2019/026109)

[11] **3,056,756**
[13] C
[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12P 21/02 (2006.01) C40B 40/08 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING COMPLEX OF RNA MOLECULE AND PEPTIDE, AND UTILIZATION THEREOF**
[54] **METHODE DE PRODUCTION D'UN COMPLEXE DE MOLECULE D'ARN ET DE PEPTIDE, ET SON UTILISATION**
[72] UEDA, HIROKI, JP
[72] SHIMIZU, YOSHIHIRO, JP
[72] HARADA, SHOKO, JP
[72] MATSUMOTO, KATSUHIKO, JP
[73] CUBICSTARS, INC., JP
[85] 2019-09-16
[86] 2018-03-15 (PCT/JP2018/010223)
[87] (WO2018/168999)
[30] JP (2017-053621) 2017-03-17

[11] **3,057,132**
[13] C
[51] **Int.Cl. E21B 43/12 (2006.01) F04B 47/02 (2006.01)**
[25] EN
[54] **SUBSURFACE RECIPROCATING PUMP FOR GASSY AND SANDY FLUIDS**
[54] **POMPE ALTERNATIVE SOUTERRAINE POUR FLUIDES GAZEUX ET SABLEUX**
[72] BAILEY, JASON, US
[72] STACHOWIAK, JOHN, US
[72] HEBERT, DOUGLAS, US
[73] WEATHERFORD TEHCNOLOGY HOLDINGS, LLC, US
[85] 2019-09-18
[86] 2018-03-26 (PCT/US2018/024255)
[87] (WO2018/194794)
[30] US (15/489,951) 2017-04-18

[11] **3,057,448**
[13] C
[51] **Int.Cl. E21B 43/10 (2006.01) E21B 41/00 (2006.01) G06F 9/455 (2018.01)**
[25] EN
[54] **ARRANGEMENT AND METHOD FOR DEPLOYING DOWNHOLE TOOLS TO LOCATE CASING COLLAR USING XY MAGNETOMETERS**
[54] **AGENCEMENT ET PROCEDE PERMETTANT DE DEPLOYER DES OUTILS DE FOND DE TROU POUR LOCALISER UN JOINT DE TUBAGE A L'AIDE DE MAGNETOMETRES XY**
[72] YANG, LEI, US
[72] FANG, LEI, US
[72] BALE, DEREK S., US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-09-20
[86] 2018-01-18 (PCT/US2018/014208)
[87] (WO2018/156272)
[30] US (15/438,964) 2017-02-22

[11] **3,057,500**
[13] C
[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS-MANAGEMENT SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**
[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCEDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[86] (3057500)
[87] (3057500)
[22] 2015-05-28
[62] 2,988,428
[30] CN (201510218466.3) 2015-04-30

[11] **3,057,693**
[13] C
[51] **Int.Cl. A46D 1/00 (2006.01) A46B 9/04 (2006.01)**
[25] EN
[54] **HEAD FOR AN ORAL CARE IMPLEMENT, ORAL CARE IMPLEMENT AND METHOD FOR MANUFACTURING SUCH HEAD**
[54] **TETE DESTINEE A UN INSTRUMENT D'HYGIENE BUCCALE, INSTRUMENT D'HYGIENE BUCCALE ET PROCEDE DE FABRICATION D'UNE TELLE TETE**
[72] TSCHOL, ARMIN, DE
[72] HEIL, BENEDIKT, DE
[72] SENTURK ANDERSSON, AYCAN, DE
[72] VENZKE, STEPHANIE, DE
[73] THE GILLETTE COMPANY LLC, US
[85] 2019-09-23
[86] 2018-03-29 (PCT/US2018/025045)
[87] (WO2018/183614)
[30] EP (17164046.9) 2017-03-31

[11] **3,058,116**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) G16H 50/20 (2018.01) A61B 5/389 (2021.01) A61B 5/11 (2006.01) A61B 5/16 (2006.01) A61H 99/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR INTERPRETING NEURAL INTERPLAY INVOLVING PROPRIOCEPTIVE ADAPTATION DURING A DUAL TASK PARADIGM**
[54] **METHODE ET SYSTEME PERMETTANT D`INTERPRETER L`INTERACTION NEURONALE COMPRENANT UNE ADAPTATION PROPRIOCEPTIVE DANS UN PARADIGME DE DOUBLE TACHE**
[72] ROY, SANGHEETA, IN
[72] MAZUMDER, OISHEE, IN
[72] CHAKRAVARTY, KINGSHUK, IN
[72] CHETTERJEE, DEBATRI, IN
[72] SINHA, ANIRUDDHA, IN
[73] TATA CONSULTANCY SERVICES LIMITED, IN
[86] (3058116)
[87] (3058116)
[22] 2019-10-08
[30] IN (201821040329) 2018-10-25

[11] **3,058,240**
[13] C
[51] **Int.Cl. H04L 9/14 (2006.01) G06F 21/31 (2013.01) G06F 21/62 (2013.01) H04L 9/30 (2006.01)**
[25] EN
[54] **CRYPTOGRAPHIC KEY MANAGEMENT BASED ON IDENTITY INFORMATION**
[54] **GESTION DE CLES CRYPTOGRAPHIQUES SUR LA BASE D'INFORMATIONS D'IDENTITE**
[72] FENG, ZHIYUAN, CN
[72] LI, YANPENG, CN
[72] CHENG, LONG, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-09-27
[86] 2019-03-29 (PCT/CN2019/080366)
[87] (WO2019/120321)

[11] **3,058,348**
[13] C
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 33/12 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOLS HAVING CONTROLLED DISINTEGRATION**
[54] **OUTILS DE FOND DE TROU A DESINTEGRATION COMMANDEE**
[72] ZHANG, ZHIHUI, US
[72] XU, ZHIYUE, US
[72] SHYU, GOANG-DING, US
[72] PEREZ, JUAN CARLOS FLORES, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-09-27
[86] 2017-11-17 (PCT/US2017/062285)
[87] (WO2018/182793)
[30] US (15/472,382) 2017-03-29

[11] **3,058,506**
[13] C
[51] **Int.Cl. A61M 5/24 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **INJECTION DEVICE WITH PLUNGER ARRANGEMENT AND CONVERGING RAMPS**
[54] **DISPOSITIF D'INJECTION A AGENCEMENT DE PISTON ET RAMPES CONVERGENTES**
[72] JUDSON, JARED ALDEN, US
[73] ELI LILLY AND COMPANY, US
[85] 2019-09-27
[86] 2018-04-25 (PCT/US2018/029331)
[87] (WO2018/204144)
[30] US (62/500,055) 2017-05-02

---

[11] **3,058,555**
[13] C
[51] **Int.Cl. F16G 15/04 (2006.01) F16G 13/14 (2006.01) F16G 15/12 (2006.01)**
[25] EN
[54] **CHAIN AND COUPLING LINKS**
[54] **CHAINE ET MAILLONS D'ACCOUPLEMENT**
[72] BRISCOE, TERRY L., US
[72] CARPENTER, CHRISTOPHER M., US
[72] ROSE, MICHAEL, US
[72] HIRTLE, SEAN T., US
[72] OLLINGER, CHARLES G., US
[73] ESCO GROUP LLC, US
[86] (3058555)
[87] (3058555)
[22] 2012-08-29
[62] 2,842,043
[30] US (61/529,223) 2011-08-30

---

[11] **3,059,620**
[13] C
[51] **Int.Cl. G05D 3/12 (2006.01) A63J 1/02 (2006.01) G05B 19/042 (2006.01)**
[25] EN
[54] **AUTOMATION AND MOTION CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE D'AUTOMATISATION ET DE MOUVEMENT**
[72] FISHER, SCOTT, US
[73] TAIT TOWERS MANUFACTURING, LLC, US
[86] (3059620)
[87] (3059620)
[22] 2013-04-29
[62] 2,873,983
[30] US (13/476,370) 2012-05-21

---

[11] **3,059,924**
[13] C
[51] **Int.Cl. F01N 3/023 (2006.01) F01N 9/00 (2006.01) F01N 11/00 (2006.01) F02D 41/02 (2006.01) F02D 41/26 (2006.01) G08C 17/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR INITIATING REGENERATION OF DIESEL PARTICULATE FILTERS**
[54] **METHODE ET SYSTEME D'AMORCAGE DE REGENERATION DE FILTRES A PARTICULES POUR MOTEUR DIESEL**
[72] SHOCK, DAVID P., US
[72] KOTENKO, THOMAS L., US
[72] MORRIS, DAN O., US
[72] HOEVENAAR, ROBERT J., US
[72] DOSS, DANIEL L., US
[73] IDSC HOLDINGS, LLC, US
[86] (3059924)
[87] (3059924)
[22] 2018-01-24
[62] 2,992,780
[30] US (15/427031) 2017-02-07

---

[11] **3,060,766**
[13] C
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 41/00 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **MOBILE, MODULAR, ELECTRICALLY POWERED SYSTEM FOR USE IN FRACTURING UNDERGROUND FORMATIONS**
[54] **SYSTEME ELECTRIQUE MOBILE ET MODULAIRE UTILISE POUR FRACTURER DES FORMATIONS SOUTERRAINES**
[72] COLI, TODD, CA
[72] SCHELSKE, ELDON, CA
[73] TYPHON TECHNOLOGY SOLUTIONS, LLC, US
[86] (3060766)
[87] (3060766)
[22] 2012-04-10
[62] 2,966,672
[30] US (61/472,861) 2011-04-07

---

[11] **3,060,797**
[13] C
[51] **Int.Cl. B64C 5/08 (2006.01) B64C 3/10 (2006.01)**
[25] EN
[54] **THE SPLIT BLENDED WINGLET**
[54] **AILETTE FENDUE EN BOUCLE SUR L'EXTREMITE DE L'AILE**
[72] GRATZER, LOUIS B., US
[73] AVIATION PARTNERS, INC., US
[86] (3060797)
[87] (3060797)
[22] 2012-06-11
[62] 2,839,492
[30] US (61/495,236) 2011-06-09

---

[11] **3,061,587**
[13] C
[51] **Int.Cl. E01D 15/127 (2006.01)**
[25] EN
[54] **ADAPTER FOR THE BOOM OF A VEHICLE FOR PICKING UP, TRANSPORTING AND LAYING A BRIDGE OR BRIDGE ELEMENT**
[54] **ADAPTATEUR POUR FLECHE DE VEHICULE POUR LE RAMASSAGE, LE TRANSPORT ET LA POSE D`UN PONT OU D`UN ELEMENT DE PONT**
[72] KAMPER, JORG, DE
[72] MOLLER, MICHAEL, DE
[73] FFG FLENSBURGER FAHRZEUGBAU GESELLSCHAFT MBH, DE
[86] (3061587)
[87] (3061587)
[22] 2019-11-14
[30] DE (10 2018 130 235.5) 2018-11-29

[11] **3,061,630**
[13] C
[51] **Int.Cl. A61K 49/00 (2006.01) A61K 47/59 (2017.01) C08G 73/02 (2006.01) C09K 11/06 (2006.01)**
[25] EN
[54] **DENDRIMER COMPOSITIONS FOR USE IN ANGIOGRAPHY**
[54] **COMPOSITIONS DE DENDRIMERES DESTINEES A ETRE UTILISEES EN ANGIOGRAPHIE**
[72] RANGARAMANUJAM, KANNAN, US
[72] KAMBHAMPATI, SIVA PRAMODH, US
[72] LUTTY, GERARD A., US
[72] SHARMA, RISHI, US
[73] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2019-10-25
[86] 2018-04-27 (PCT/US2018/029882)
[87] (WO2018/201007)
[30] US (62/490,936) 2017-04-27

[11] **3,062,026**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CANOLA INBRED S00636MI**
[54] **CANOLA AUTOGAME S00636MI**
[72] HEATH, JULIAN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3062026)
[87] (3062026)
[22] 2019-11-19
[30] US (16/662,815) 2019-10-24

[11] **3,062,357**
[13] C
[51] **Int.Cl. C10G 29/06 (2006.01) C10G 21/12 (2006.01)**
[25] EN
[54] **IMPROVED METHOD OF REMOVING HYDROGEN SULFIDE**
[54] **PROCEDE PERFECTIONNE D'ELIMINATION DE SULFURE D'HYDROGENE**
[72] COMPTON, DENNIS R., US
[72] JEFFERIES, SAMUEL, GB
[72] SHARPE, RON, GB
[73] ECOLAB USA INC., US
[86] (3062357)
[87] (3062357)
[22] 2010-12-13
[62] 2,784,112
[30] US (12/638,365) 2009-12-15

[11] **3,062,969**
[13] C
[51] **Int.Cl. C12G 3/00 (2019.01) C12G 3/02 (2019.01)**
[25] EN
[54] **SACCHARIFIED LIQUID, METHOD FOR PRODUCING SACCHARIFIED LIQUID, FOOD AND BEVERAGE, DISTILLED LIQUID FOR WHISKEY, AND WHISKEY**
[54] **LIQUIDE SACCHARIFIE, PROCEDE DE PRODUCTION DE LIQUIDE SACCHARIFIE, ALIMENT ET BOISSON, LIQUIDE DISTILLE POUR LE WHISKY, ET WHISKY**
[72] SATO, HAJIME, JP
[72] YOMO, HIDEKO, JP
[72] NAKAJIMA, TOSHIHARU, JP
[73] SUNTORY HOLDINGS LIMITED, JP
[85] 2019-11-04
[86] 2017-05-09 (PCT/JP2017/017505)
[87] (WO2018/207250)

[11] **3,063,028**
[13] C
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL FIBER CABLE**
[54] **CABLE A FIBRES OPTIQUES**
[72] KAJI, TOMOAKI, JP
[72] SATO, SHINNOSUKE, JP
[72] TOMIKAWA, KOUJI, JP
[72] OSATO, KEN, JP
[73] FUJIKURA LTD., JP
[85] 2019-11-07
[86] 2018-12-05 (PCT/JP2018/044747)
[87] (WO2019/124077)
[30] JP (2017-243186) 2017-12-19

[11] **3,064,381**
[13] C
[51] **Int.Cl. F16F 9/32 (2006.01) B64C 27/51 (2006.01) F16F 9/18 (2006.01) F16F 9/54 (2006.01)**
[25] FR
[54] **AMORTISSEUR HYDROELASTIQUE, ROTOR COMPORTANT UN TEL AMORTISSEUR HYDROELASTIQUE ET AERONEF ASSOCIE**
[54] **AMORTISSEUR HYDROELASTIQUE, ROTOR COMPORTANT UN TEL AMORTISSEUR HYDROELASTIQUE ET AERONEF ASSOCIE**
[72] BIHEL, JEAN-ROMAIN, FR
[72] SEQUERA, DAMIEN, ES
[72] JALAGUIER, JEAN-PIERRE, FR
[72] GREGORCZYK, WOJCIECH, PL
[73] AIRBUS HELICOPTERS, FR
[86] (3064381)
[87] (3064381)
[22] 2019-12-09
[30] FR (1873293) 2018-12-19

[11] **3,065,042**
[13] C
[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/28 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01)**
[25] EN
[54] **FAST DISINTEGRATING CANNABINOID TABLETS**
[54] **COMPRIME DE CANNABINOIDE A DESINTEGRATION RAPIDE**
[72] BRUUN, HEIDI ZIEGLER, DK
[72] BOESEN, DORTHE SCHACKINGER, DK
[72] NIELSEN, BRUNO PROVSTGAARD, DK
[73] NORDICCAN A/S, DK
[86] (3065042)
[87] (3065042)
[22] 2019-12-13

[11] **3,066,248**
[13] C
[51] **Int.Cl. B26D 1/36 (2006.01) B26D 1/00 (2006.01) B26D 3/24 (2006.01) B26D 7/06 (2006.01) B26D 7/26 (2006.01)**
[25] EN
[54] **SIZE-REDUCTION MACHINE AND SIZE-REDUCTION UNIT THEREFOR**
[54] **MACHINE DE REDUCTION DE TAILLE ET UNITE DE REDUCTION DE TAILLE ASSOCIEE**
[72] BANOWETZ, DANIEL LAWRENCE, US
[72] KING, DANIEL WADE, US
[73] URSCHEL LABORATORIES, INC., US
[85] 2019-12-04
[86] 2018-06-14 (PCT/US2018/037499)
[87] (WO2018/232091)
[30] US (62/519,227) 2017-06-14

[11] **3,070,485**
[13] C
[51] **Int.Cl. B64D 31/00 (2006.01) B64C 27/12 (2006.01) B64D 27/24 (2006.01)**
[25] FR
[54] **PROCESS TO OPTIMIZE GROUND NOISE GENERATED BY A ROTORCRAFT**
[54] **PROCEDE D'OPTIMISATION DU BRUIT GENERE AU SOL PAR UN GIRAVION**
[72] GOMEZ, NAYIBE, FR
[73] AIRBUS HELICOPTERS, FR
[86] (3070485)
[87] (3070485)
[22] 2020-01-29
[30] FR (1901399) 2019-02-12

[11] **3,070,689**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01) H04N 21/8405 (2011.01) H04N 21/85 (2011.01) G06Q 50/02 (2012.01) G06Q 50/04 (2012.01) A23L 33/105 (2016.01) G06F 16/90 (2019.01) A23L 2/52 (2006.01) A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 9/72 (2006.01) A61K 36/185 (2006.01) B01D 11/02 (2006.01) B65B 3/04 (2006.01) B65B 5/00 (2006.01) B65C 3/00 (2006.01) B65C 9/26 (2006.01) B65C 9/46 (2006.01) B67C 3/22 (2006.01) G08B 21/18 (2006.01) G09F 3/08 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR INDUSTRIAL PROCESSES**
[54] **METHODES ET SYSTEMES DESTINES AUX PROCEDES INDUSTRIELS**
[72] ALSAYAR, MAX, CA
[72] DORIN, BRYCE, CA
[72] GEORGIEV, STEPHAN, CA
[72] KESERIS, DENIS, CA
[72] LEUSCHNER, JEFF, CA
[72] WALTERS, DAVID, CA
[73] HEXO OPERATIONS INC., CA
[86] (3070689)
[87] (3070689)
[22] 2019-06-28
[62] 3,048,298
[30] CA (3,033,404) 2019-02-11

[11] **3,070,841**
[13] C
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/062 (2006.01)**
[25] EN
[54] **ROTATION ADAPTER AND RECEIVER FOR MINIMALLY INVASIVE SURGICAL DEVICES**
[54] **ADAPTATEUR DE ROTATION ET RECEPTEUR POUR DISPOSITIFS CHIRURGICAUX A INVASION MINIMALE**
[72] SAUER, JUDE S., US
[72] PATTI, JASON C., US
[73] LSI SOLUTIONS, INC., US
[86] (3070841)
[87] (3070841)
[22] 2016-08-19
[62] 2,995,992
[30] US (62/207,287) 2015-08-19

[11] **3,071,687**
[13] C
[51] **Int.Cl. H01L 27/18 (2006.01)**
[25] EN
[54] **SUPERCONDUCTING DEVICE WITH THERMALLY CONDUCTIVE HEAT SINK**
[54] **DISPOSITIF SUPRACONDUCTEUR AVEC DISSIPATEUR THERMIQUE THERMOCONDUCTEUR**
[72] PESETSKI, AARON A., US
[72] LONEY, PATRICK ALAN, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2020-01-30
[86] 2018-08-03 (PCT/US2018/045184)
[87] (WO2019/036209)
[30] US (15/677,756) 2017-08-15

[11] **3,073,783**
[13] C
[51] **Int.Cl. B32B 27/18 (2006.01) C09J 7/24 (2018.01) B32B 27/30 (2006.01) G09F 3/00 (2006.01) G09F 3/10 (2006.01)**
[25] EN
[54] **BRITTLE ACRYLIC FILMS AND FORGERY PREVENTION LABELS COMPRISING THE SAME**
[54] **FILMS ACRYLIQUES FRAGILES ET ETIQUETTES DE PREVENTION DE FALSIFICATION LES COMPRENANT**
[72] SEYOUM, GHIRMAY, DE
[72] PARUSEL, MARKUS, DE
[72] BIRTH, DETLEF, DE
[72] PACHMANN, JURGEN, DE
[72] DICKHAUT, GUNTHER, DE
[72] MUSCI, GIROLAMO, DE
[72] GUENANTEN, CLAUDE, DE
[72] RODRIGUES, HAROLDO, DE
[73] ROHM GMBH, DE
[85] 2020-02-24
[86] 2018-08-22 (PCT/EP2018/072616)
[87] (WO2019/042831)
[30] EP (17188466.1) 2017-08-30

[11] **3,075,020**
[13] C
[51] **Int.Cl. A61K 31/451 (2006.01) A61K 45/06 (2006.01) A61P 25/14 (2006.01)**
[25] EN
[54] **PRIDOPIDINE FOR TREATING DRUG INDUCED DYSKINESIAS**
[54] **PRIDOPIDINE POUR LE TRAITEMENT DE DYSKINESIES INDUITES PAR UN MEDICAMENT**
[72] GEVA, MICHAL, IL
[72] ORBACH, ARIC, IL
[72] HAYDEN, MICHAEL, IL
[73] PRILENIA NEUROTHERAPEUTICS LTD., IL
[85] 2020-03-05
[86] 2018-08-30 (PCT/US2018/048920)
[87] (WO2019/050775)
[30] US (62/556,314) 2017-09-08
[30] US (62/649,184) 2018-03-28

[11] **3,075,552**
[13] C
[51] **Int.Cl. G01N 21/31 (2006.01) G01N 21/39 (2006.01) G01N 33/24 (2006.01) G01N 33/28 (2006.01) G01V 8/02 (2006.01)**
[25] EN
[54] **SPECTROSCOPIC ANALYSIS OF OIL SANDS ORE FACE FOR REAL TIME ORE BLEND MANAGEMENT**
[54] **ANALYSE SPECTROSCOPIQUE DE PHYSIONOMIE DE MINERAI DE SABLES BITUMEUX POUR GESTION EN TEMPS REEL DE MELANGE DE MINERAI**
[72] DAVIS, MICHAEL A., US
[72] CARLSON, ANDREW E., US
[72] WINKOWSKI, DAVID O., US
[72] VIEGA, JOHN V., US
[72] KERSEY, ALAN D., US
[72] FERNALD, MARK R., US
[73] CIDRA CORPORATE SERVICES INC., US
[86] (3075552)
[87] (3075552)
[22] 2012-07-09
[62] 2,841,131
[30] US (61/505,355) 2011-07-07

[11] **3,077,136**
[13] C
[51] **Int.Cl. A01B 73/02 (2006.01) A01B 76/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL TOOLBAR APPARATUS, SYSTEMS, AND METHODS**
[54] **APPAREIL DE BARRE PORTE-OUTILS AGRICOLE, SYSTEMES ET PROCEDES ASSOCIES**
[72] KOCH, DALE M., US
[72] STOLLER, JASON, US
[73] PRECISION PLANTING LLC, US
[86] (3077136)
[87] (3077136)
[22] 2013-01-25
[62] 2,862,884
[30] US (61/590,643) 2012-01-25

[11] **3,077,343**
[13] C
[51] **Int.Cl. B01D 53/14 (2006.01) C01B 32/50 (2017.01) B01J 20/22 (2006.01) B01J 20/34 (2006.01)**
[25] EN
[54] **GAS ADSORBENT BODY, METHOD FOR PRODUCING THEREOF, AND CARBON DIOXIDE GAS CONCENTRATION DEVICE**
[54] **ADSORBANT DE GAZ, SON PROCEDE DE PRODUCTION, DISPOSITIF DE CONCENTRATION DE DIOXYDE DE CARBONE GAZEUX**
[72] OKANO, HIROSHI, JP
[73] KABUSHIKI-GAISYA SEIBU-GIKEN, JP
[85] 2020-03-27
[86] 2019-08-02 (PCT/JP2019/030420)
[87] (WO2020/044944)
[30] JP (2018-159864) 2018-08-29

[11] **3,077,465**
[13] C
[51] **Int.Cl. G01N 29/30 (2006.01) G01N 29/04 (2006.01)**
[25] EN
[54] **METHOD FOR CHECKING FOR CONSISTENCY AND QUALITY COMPLIANCE IN AN ULTRASONIC SCANNING DATA FILE**
[54] **PROCEDE DE VERIFICATION DE LA COHERENCE ET DE LA CONFORMITE DE LA QUALITE DANS UN FICHIER DE DONNEES PAR BALAYAGE ULTRASONIQUE**
[72] DAVIS, JOHN MARK, US
[72] COBBS, ARCHIBALD LEACH, US
[72] HANSEN, CHARLES ALLAN, US
[72] BUBLITZ, NICHOLAS JAMES, US
[72] DAVIS, SAMUEL MATTHEW, US
[73] VERIPHASE, INC., US
[85] 2020-03-27
[86] 2019-05-03 (PCT/US2019/030588)
[87] (WO2020/204965)
[30] US (16/375,611) 2019-04-04

[11] **3,078,213**
[13] C
[51] **Int.Cl. B65D 21/032 (2006.01) B31B 50/26 (2017.01) B65D 5/10 (2006.01) B65D 5/44 (2006.01) B65D 5/54 (2006.01)**
[25] EN
[54] **BLANK ASSEMBLY FOR FORMING A REINFORCED, STACKABLE TRAY CONTAINER**
[54] **ENSEMBLE EBAUCHE POUR FORMER UN CONTENEUR A PLATEAUX RENFORCE ET EMPILABLE**
[72] WILLMAN, JAMES JOHN, US
[72] MINSKY, CRAIG FREDERICK, US
[73] ROCK-TENN SHARED SERVICES, LLC, US
[86] (3078213)
[87] (3078213)
[22] 2012-09-06
[62] 2,848,606
[30] US (13/243,404) 2011-09-23

[11] **3,079,690**
[13] C
[51] **Int.Cl. H04H 20/72 (2009.01) H04N 21/44 (2011.01) H04J 11/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RECEIVING BROADCAST SIGNAL, AND METHOD AND APPARATUS FOR TRANSMITTING BROADCAST SIGNAL**
[54] **PROCEDE ET APPAREIL DE RECEPTION ET D'EMISSION DE SIGNAL DE DIFFUSION**
[72] HONG, SUNGRYONG, KR
[72] HWANG, JAEHO, KR
[72] KO, WOOSUK, KR
[73] LG ELECTRONICS INC., KR
[86] (3079690)
[87] (3079690)
[22] 2015-03-05
[62] 2,966,980
[30] US (62/075,898) 2014-11-06
[30] US (62/080,382) 2014-11-16

[11] **3,080,919**
[13] C
[51] **Int.Cl. E21D 20/02 (2006.01) F04B 9/113 (2006.01) F04B 15/02 (2006.01) F04B 23/06 (2006.01) F04B 49/06 (2006.01) F04B 49/08 (2006.01)**
[25] EN
[54] **HYDRAULIC AND CONTROL SYSTEM FOR RESIN INJECTION**
[54] **SYSTEME HYDRAULIQUE ET DE COMMANDE POUR INJECTION DE RESINE**
[72] FAULKNER, DAKOTA, US
[72] WEAVER, MICHAEL, US
[72] CRABLE, MARK, US
[73] J-LOK CO., US
[85] 2020-04-28
[86] 2018-11-09 (PCT/US2018/060036)
[87] (WO2019/094723)
[30] US (62/584,461) 2017-11-10
[30] US (16/182,994) 2018-11-07

[11] **3,081,810**
[13] C
[51] **Int.Cl. H04W 52/54 (2009.01) H04W 52/36 (2009.01)**
[25] EN
[54] **TEMPORAL POWER CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE PUISSANCE TEMPORELLE**
[72] MIGALDI, SCOTT FRANCIS, US
[72] HUMBERT IV, JOHN JOSEPH, US
[73] T-MOBILE USA, INC., US
[85] 2020-05-05
[86] 2018-11-06 (PCT/US2018/059420)
[87] (WO2019/090321)
[30] US (15/805,089) 2017-11-06

[11] **3,082,040**
[13] C
[51] **Int.Cl. H03K 17/56 (2006.01) G05F 1/45 (2006.01) H02M 1/08 (2006.01) H03K 17/785 (2006.01)**
[25] EN
[54] **ELECTRONIC SWITCH AND DIMMER**
[54] **COMMUTATEUR ELECTRONIQUE ET GRADATEUR**
[72] TELEFUS, MARK, US
[72] RODRIGUEZ, HARRY, US
[73] INTELESOL, LLC, US
[85] 2020-05-06
[86] 2018-11-07 (PCT/US2018/059564)
[87] (WO2019/133110)
[30] US (62/611,460) 2017-12-28

[11] **3,082,664**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH41DW**
[54] **MAIS AUTOGAME PH41DW**
[72] LEE, TRAVIS J., US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3082664)
[87] (3082664)
[22] 2020-06-10
[30] US (16/441,124) 2019-06-14

[11] **3,082,702**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH47B1**
[54] **MAIS AUTOGAME PH47B1**
[72] LEE, TRAVIS J., US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3082702)
[87] (3082702)
[22] 2020-06-10
[30] US (16/441,214) 2019-06-14

[11] **3,082,703**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH47HS**
[54] **MAIS AUTOGAME PH47HS**
[72] WHITAKER, DAVID WALTER, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3082703)
[87] (3082703)
[22] 2020-06-10
[30] US (16/441,149) 2019-06-14

[11] **3,082,730**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **MAIZE INBRED PH48C4**
[54] **MAIS AUTOGAME PH48C4**
[72] HOTCHKISS, JAY ROBERT, US
[72] WEBER, GERHARD P., US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3082730)
[87] (3082730)
[22] 2020-06-10
[30] US (16/441,171) 2019-06-14

[11] **3,082,785**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48VD**
[54] **MAIS AUTOGAME PH48VD**
[72] ARBELBIDE, MARTIN, US
[72] GARCIA, GUSTAVO MARCELO, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3082785)
[87] (3082785)
[22] 2020-06-10
[30] US (16/441,185) 2019-06-14

[11] **3,083,001**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48B8**
[54] **MAIS AUTOGAME PH48B8**
[72] GOGERTY, JOSEPH KEVIN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3083001)
[87] (3083001)
[22] 2020-06-10
[30] US (16/441,195) 2019-06-14

[11] **3,083,026**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48J8**
[54] **MAIS AUTOGAME PH48J8**
[72] GROTE, EDWIN MICHAEL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3083026)
[87] (3083026)
[22] 2020-06-10
[30] US (16/441,258) 2019-06-14

[11] **3,083,030**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48PW**
[54] **MAIS AUTOGAME PH48PW**
[72] CHANDLER, MICHAEL ADAM, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3083030)
[87] (3083030)
[22] 2020-06-10
[30] US (16/441,265) 2019-06-14

[11] **3,083,032**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH47CA**
[54] **MAIS AUTOGAME PH47CA**
[72] WARDYN, BRANDON MICHAEL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3083032)
[87] (3083032)
[22] 2020-06-10
[30] US (16/441,274) 2019-06-14

[11] **3,083,114**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH47KB**
[54] **MAIS AUTOGAME PH47KB**
[72] LONGENBERGER, POLLY SUZANNE, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3083114)
[87] (3083114)
[22] 2020-06-10
[30] US (16/441,153) 2019-06-14

[11] **3,083,312**
[13] C
[51] **Int.Cl. C25B 9/70 (2021.01) C25B 9/65 (2021.01) C25B 15/08 (2006.01)**
[25] EN
[54] **CONNECTING ELEMENT FOR ELECTRICALLY AND MECHANICALLY CONNECTING TWO ELECTROLYTIC CELL STACKS, AND ELECTROLYSIS DEVICE**
[54] **ELEMENT DE CONNEXION DESTINE A CONNECTER ELECTRIQUEMENT ET MECANIQUEMENT DEUX EMPILEMENTS D'ELECTROLYSEURS ET DISPOSITIF D'ELECTROLYSE**
[72] WOLF, ERIK, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-05-22
[86] 2018-11-19 (PCT/EP2018/081732)
[87] (WO2019/101681)
[30] EP (17203521.4) 2017-11-24

[11] **3,084,616**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **MAIZE HYBRID X95R275**
[54] **MAIS AUTOGAME X95R275**
[72] VUJEVIC, STIPE, CA
[73] AGRIGENETICS, INC., US
[86] (3084616)
[87] (3084616)
[22] 2020-06-22
[30] US (16/455,925) 2019-06-28

---

[11] **3,084,968**
[13] C
[51] **Int.Cl. A01H 1/02 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING LACTUCA PLANT SEED USING A MEGACHILE BEE**
[54] **PROCEDE POUR LA PRODUCTION DE GRAINES DE PLANTES LACTUCA A L'AIDE D'ABEILLES MEGACHILE**
[72] HORIUCHI, SHINGO, JP
[72] SUZUKI, TAKAO, JP
[72] IZUMIDA, ATSUSHI, JP
[73] SAKATA SEED CORPORATION, JP
[85] 2020-06-05
[86] 2018-12-05 (PCT/JP2018/044797)
[87] (WO2019/111975)
[30] JP (2017-234674) 2017-12-06

---

[11] **3,085,160**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **AMINO-METHYLPIPERIDINE DERIVATIVES AS KINASE INHIBITOR**
[54] **DERIVE D'AMINO-METHYL PIPERIDINE EN TANT QU'INHIBITEUR DE KINASE**
[72] KIM, IN WOO, KR
[72] KIM, NAM YOUN, KR
[72] JEONG, SEUNG HWARN, KR
[72] KIM, BO-KYOUNG, KR
[72] LEE, JUN HEE, KR
[73] DAEWOONG PHARMACEUTICAL CO., LTD., KR
[85] 2020-06-08
[86] 2018-12-28 (PCT/KR2018/016813)
[87] (WO2019/132561)
[30] KR (10-2017-0183062) 2017-12-28

---

[11] **3,091,123**
[13] C
[51] **Int.Cl. F01L 1/20 (2006.01) F01L 1/22 (2006.01)**
[25] EN
[54] **METHOD OF SETTING TAPPET CLEARANCE AND DEVICE THEREFOR**
[54] **METHODE D'ETABLISSEMENT DU JEU DE SOUPAPES ET APPAREIL CONNEXE**
[72] TANUMA, NAOYA, JP
[73] HONDA MOTOR CO., LTD., JP
[86] (3091123)
[87] (3091123)
[22] 2020-08-26
[30] JP (2019-153388) 2019-08-26

---

[11] **3,092,123**
[13] C
[51] **Int.Cl. G01S 13/90 (2006.01)**
[25] EN
[54] **RADAR IMAGE PROCESSING DEVICE AND RADAR IMAGE PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT DES IMAGES RADAR ET PROCEDE DE TRAITEMENT DES IMAGES RADAR**
[72] OISHI, NOBORU, JP
[72] YAMAMOTO, KAZUHIKO, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2020-08-21
[86] 2018-03-14 (PCT/JP2018/010002)
[87] (WO2019/176016)

---

[11] **3,095,414**
[13] C
[51] **Int.Cl. A62C 35/68 (2006.01) F16K 1/00 (2006.01) F16K 15/04 (2006.01) F16K 15/18 (2006.01) F16K 31/12 (2006.01)**
[25] EN
[54] **COMBINATION CONTROL AND CHECK VALVE ASSEMBLY FOR A WET PIPING SYSTEM**
[54] **ENSEMBLE COMBINE CLAPET ANTI-RETOUR ET DE REGULATION POUR SYSTEME DE TUYAUTERIE SOUS EAU**
[72] RINGER, YORAM, US
[72] MEYER, STEPHEN J., US
[72] FARRELL, GORDON, US
[72] HUANG, FANG, CN
[73] VICTAULIC COMPANY, US
[85] 2020-09-28
[86] 2019-01-04 (PCT/US2019/012279)
[87] (WO2019/190609)
[30] US (62/649,680) 2018-03-29

[11] **3,095,763**
[13] C
[51] **Int.Cl. C04B 28/14 (2006.01) C04B 7/32 (2006.01)**
[25] EN
[54] **LOW-BELITE CSA CEMENT FOR CONSTRUCTION-CHEMICAL APPLICATIONS**
[54] **CIMENT A BASE DE SULFOALUMINATE DE CALCIUM A TENEUR EN BELITE REDUITE POUR APPLICATIONS EN CHIMIE DE LA CONSTRUCTION**
[72] WALENTA, GUENTHER, FR
[72] KADEN, RONNY, DE
[72] SCHMID, MARKUS, DE
[73] CALUCEM GMBH, DE
[85] 2020-09-29
[86] 2019-04-18 (PCT/EP2019/060201)
[87] (WO2019/206824)
[30] DE (10 2018 110 136.8) 2018-04-26

---

[11] **3,097,201**
[13] C
[51] **Int.Cl. A47J 42/40 (2006.01) A47J 42/24 (2006.01) A47J 42/30 (2006.01) A47J 42/48 (2006.01) A47J 42/50 (2006.01)**
[25] EN
[54] **CONTAINER FOR GRINDING MATERIALS**
[54] **CONTENANT DESTINE AU BROYAGE DE MATERIAUX**
[72] ABEHASERA, BENYAMIN, US
[73] TRI INNOVATIONS LLC, US
[85] 2020-10-14
[86] 2019-08-28 (PCT/US2019/048445)
[87] (WO2020/176130)
[30] US (16/285,678) 2019-02-26

---

[11] **3,098,000**
[13] C
[51] **Int.Cl. G05D 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING SELF-DRIVING VEHICLE BEHAVIOR MODELS, A SELF-DRIVING VEHICLE, AND A METHOD OF NAVIGATING A SELF-DRIVING VEHICLE**
[54] **PROCEDE DE DETERMINATION DE MODELES DE COMPORTEMENT DE VEHICULE AUTONOME, VEHICULE AUTONOME ET PROCEDE DE NAVIGATION DANS UN VEHICULE AUTONOME**
[72] WEISS, MITCHELL, US
[72] SCHNAPP, JEFFREY, US
[72] LYNN, GREGORY STEWART, US
[72] KOTELOVA, ROSSITZA, US
[73] PIAGGIO FAST FORWARD, INC., US
[85] 2020-10-21
[86] 2019-05-01 (PCT/US2019/030208)
[87] (WO2019/213264)
[30] US (62/665,183) 2018-05-01

---

[11] **3,099,910**
[13] C
[51] **Int.Cl. H01Q 1/36 (2006.01) H01Q 1/16 (2006.01) H01Q 21/29 (2006.01)**
[25] EN
[54] **DIELECTRIC ANTENNA ARRAY AND SYSTEM**
[54] **RESEAU D'ANTENNES DIELECTRIQUES ET SYSTEME**
[72] WALKER, CHRISTOPHER KIDD, US
[72] LOPEZ-TONAZZI, JUAN CARLOS, US
[72] SWIFT, BRANDON JAMES, US
[72] KRUNZ, MARWAN M., US
[73] FREEFALL AEROSPACE, INC., US
[85] 2020-11-10
[86] 2019-05-02 (PCT/US2019/030375)
[87] (WO2019/221920)
[30] US (62/671,408) 2018-05-14
[30] US (62/693,584) 2018-07-03
[30] US (62/754,952) 2018-11-02
[30] US (16/354,671) 2019-03-15

---

[11] **3,100,011**
[13] C
[51] **Int.Cl. C10C 3/02 (2006.01) F17D 1/16 (2006.01)**
[25] EN
[54] **BITUMEN PARTIAL UPGRADING**
[54] **VALORISATION PARTIELLE DU BITUME**
[72] AL-SABAWI, MUSTAFA, CA
[73] IMPERIAL OIL RESOURCES LIMITED, CA
[86] (3100011)
[87] (3100011)
[22] 2020-11-19
[30] US (62/938,726) 2019-11-21

---

[11] **3,101,978**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **TRACKING VEHICLES IN A WAREHOUSE ENVIRONMENT**
[54] **SUIVI DE VEHICULES DANS UN ENVIRONNEMENT D'ENTREPOT**
[72] ECKMAN, CHRISTOPHER FRANK, US
[73] LINEAGE LOGISTICS, LLC, US
[85] 2020-11-27
[86] 2019-05-30 (PCT/US2019/034735)
[87] (WO2019/232264)
[30] US (15/993,343) 2018-05-30
[30] US (16/277,338) 2019-02-15

[11] **3,102,729**
[13] C
[51] **Int.Cl. A01D 41/12 (2006.01) A01D 75/00 (2006.01) A01F 12/40 (2006.01) A01F 12/42 (2006.01) A01F 12/48 (2006.01)**
[25] EN
[54] **WEED SEED DESTRUCTION DEVICE WHICH IS MOVABLE TO ALLOW ACCESS TO THE COMBINE HARVESTER**
[54] **DISPOSITIF D'ELIMINATION DES GRAINES DE MAUVAISES HERBES POUVANT ETRE DEPLACE POUR PERMETTRE L'ACCES A LA MOISSONNEUSE-BATTEUSE**
[72] MAYERLE, DEAN, CA
[73] TRITANA INTELLECTUAL PROPERTY LTD., CA
[86] (3102729)
[87] (3102729)
[22] 2018-09-11
[62] 3,073,140
[30] US (15/701,096) 2017-09-11
[30] US (62/763,112) 2018-02-01

---

[11] **3,103,124**
[13] C
[51] **Int.Cl. C08J 3/075 (2006.01) C09K 8/68 (2006.01) C08L 5/00 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING HOMOGENIZED OILFIELD GELS**
[54] **SYSTEME ET PROCEDE DE PRODUCTION DE GELS HOMOGENEISES POUR GISEMENT DE PETROLE**
[72] SAFFIOTI, STEPHEN M., US
[73] STEWART & STEVENSON LLC, US
[86] (3103124)
[87] (3103124)
[22] 2012-12-05
[62] 2,858,151
[30] US (61/566,958) 2011-12-05

---

[11] **3,103,590**
[13] C
[51] **Int.Cl. A24F 40/90 (2020.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **VAPORIZER CHARGING STRUCTURE**
[54] **STRUCTURE POUR CHARGER UN VAPORISATEUR**
[72] JONES, MARK, CA
[72] STEWART, ANDREW, CA
[72] VERMETTE, YAN, CA
[73] CANOPY GROWTH CORPORATION, CA
[85] 2020-12-16
[86] 2020-10-09 (PCT/CA2020/051361)
[87] (3103590)
[30] US (62/915,141) 2019-10-15

---

[11] **3,104,007**
[13] C
[51] **Int.Cl. B04B 11/08 (2006.01)**
[25] EN
[54] **CENTRIFUGAL SEPARATOR**
[54] **SEPARATEUR CENTRIFUGE**
[72] BORGSTROM, LEONARD, SE
[73] ALFA LAVAL CORPORATE AB, SE
[85] 2020-12-16
[86] 2019-06-12 (PCT/EP2019/065387)
[87] (WO2020/001981)
[30] EP (18179557.6) 2018-06-25

---

[11] **3,104,017**
[13] C
[51] **Int.Cl. G16B 99/00 (2019.01) G06F 21/62 (2013.01) G16H 10/65 (2018.01) G16B 40/00 (2019.01) G06F 17/00 (2019.01)**
[25] EN
[54] **METHOD AND DEVICE FOR COMPARING PERSONAL BIOLOGICAL DATA OF TWO USERS**
[54] **METHODE ET DISPOSITIF SERVANT A COMPARER LES DONNEES BIOLOGIQUES PERSONNELLES DE DEUX UTILISATEURS**
[72] TOUMAZOU, CHRISTOFER, GB
[72] TOUMAZOU, GINA, GB
[73] DNANUDGE LIMITED, GB
[86] (3104017)
[87] (3104017)
[22] 2020-12-23
[30] US (16/733630) 2020-01-03

---

[11] **3,104,702**
[13] C
[51] **Int.Cl. B28C 5/42 (2006.01) B28C 7/02 (2006.01)**
[25] EN
[54] **CONCRETE BUILDUP DETECTION**
[54] **DETECTION D'ACCUMULATION DE BETON**
[72] CLIFTON, CODY D., US
[72] DATEMA, BRYAN S., US
[72] WEI, ZHENYI, US
[72] TESMER, TED, US
[73] OSHKOSH CORPORATION, US
[85] 2020-12-21
[86] 2019-08-29 (PCT/US2019/048801)
[87] (WO2020/051060)
[30] US (62/727,898) 2018-09-06

---

[11] **3,105,645**
[13] C
[51] **Int.Cl. A61F 5/02 (2006.01)**
[25] EN
[54] **BACK SUPPORT BELT**
[54] **CEINTURE DE SOUTIEN DORSAL**
[72] SCHIERMEISTER, LINDA, DE
[72] HOLTER, TONI, DE
[72] BAUERFEIND, HANS B., DE
[73] BAUERFEIND AG, DE
[85] 2021-01-05
[86] 2019-07-02 (PCT/EP2019/067766)
[87] (WO2020/011604)
[30] DE (10 2018 211 431.5) 2018-07-10

---

[11] **3,105,928**
[13] C
[51] **Int.Cl. A61C 17/22 (2006.01) A46B 13/02 (2006.01) A61C 17/32 (2006.01) A61C 17/34 (2006.01)**
[25] EN
[54] **SILICONE CASING FOR A VIBRATORY TOOTH CLEANING DEVICE AND METHOD OF MANUFACTURING THE SAME**
[54] **COQUE EN SILICONE POUR UN DISPOSITIF DE NETTOYAGE DE DENTS PAR VIBRATIONS ET PROCEDE DE FABRICATION DE CELLE-CI**
[72] KEINER, MICHAEL, DE
[73] BLBR GMBH, DE
[85] 2021-01-06
[86] 2019-06-28 (PCT/EP2019/067434)
[87] (WO2020/020576)
[30] EP (18185450.6) 2018-07-25

[11] **3,108,374**
[13] C
[51] **Int.Cl. G06Q 20/12 (2012.01) G06Q 20/40 (2012.01) G06Q 40/04 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **INTELLIGENT ELECTRONIC COMMERCE SYSTEM, AND METHOD AND DEVICE FOR IMPLEMENTING SAME**
[54] **SYSTEME DE COMMERCE ELECTRONIQUE INTELLIGENT, ET PROCEDE ET DISPOSITIF PERMETTANT DE METTRE EN UVRE CE SYSTEME**
[72] ZHANG, YI, CN
[72] NIU, FENGGANG, CN
[73] 10353744 CANADA LTD., CA
[86] (3108374)
[87] (3108374)
[22] 2015-11-26
[62] 2,997,815

---

[11] **3,108,389**
[13] C
[51] **Int.Cl. G06Q 20/12 (2012.01) G06Q 20/40 (2012.01) G06Q 40/04 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **INTELLIGENT ELECTRONIC COMMERCE SYSTEM, AND METHOD AND DEVICE FOR IMPLEMENTING SAME**
[54] **SYSTEME DE COMMERCE ELECTRONIQUE INTELLIGENT, ET PROCEDE ET DISPOSITIF PERMETTANT DE METTRE EN UVRE CE SYSTEME**
[72] ZHANG, YI, CN
[72] NIU, FENGGANG, CN
[73] 10353744 CANADA LTD., CA
[86] (3108389)
[87] (3108389)
[22] 2015-11-26
[62] 2,997,815

---

[11] **3,111,262**
[13] C
[51] **Int.Cl. B61D 17/10 (2006.01)**
[25] EN
[54] **FLOOR STRUCTURE OF A RAIL VEHICLE AND METHOD OF MANUFACTURING SUCH FLOOR STRUCTURE**
[54] **STRUCTURE DE PLANCHER D`UN VEHICULE A RAIL ET METHODE DE FABRICATION DE CETTE STRUCTURE DE PLANCHER**
[72] LAFLAMME, MARTIN, CA
[73] BOMBARDIER TRANSPORTATION GMBH, DE
[86] (3111262)
[87] (3111262)
[22] 2021-03-04

---

[11] **3,113,050**
[13] C
[51] **Int.Cl. B60N 2/225 (2006.01)**
[25] EN
[54] **RECLINING DEVICE FOR A VEHICLE SEAT**
[54] **DISPOSITIF D'INCLINAISON POUR UN SIEGE DE VEHICULE**
[72] USTUNBERK, CAN, IT
[72] ZAMBON, BRUNO, IT
[73] MARTUR ITALY S.R.L., IT
[85] 2021-03-16
[86] 2019-09-24 (PCT/IB2019/058074)
[87] (WO2020/065515)
[30] IT (102018000008904) 2018-09-25

---

[11] **3,114,789**
[13] C
[51] **Int.Cl. B25J 19/04 (2006.01) B65G 61/00 (2006.01)**
[25] EN
[54] **VISION-ASSISTED ROBOTIZED DEPALLETIZER**
[54] **DEPALETTISEUR ROBOTISE A VISION ARTIFICIELLE**
[72] MORENCY, SYLVAIN-PAUL, CA
[72] HAKIER, PHILIPPE, CA
[72] DUCHARME, MARC, CA
[72] JODOIN, ROBERT, CA
[72] SIMON, CHRISTIAN, CA
[72] FORGET, JEAN-FRANCOIS, CA
[73] SYMBOTIC CANADA ULC, CA
[86] (3114789)
[87] (3114789)
[22] 2015-01-22
[62] 2,879,277
[30] US (61/930,107) 2014-01-22

---

[11] **3,116,523**
[13] C
[51] **Int.Cl. F21V 21/04 (2006.01) F21K 9/232 (2016.01) F21S 8/02 (2006.01) F21V 29/77 (2015.01)**
[25] EN
[54] **LIGHT FIXTURE INSTALLATION APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES D`INSTALLATION DE LUMINAIRES**
[72] WARNER, BENJAMIN J., US
[72] MUNDELL, BRANDON S., US
[73] ABL IP HOLDING LLC, US
[86] (3116523)
[87] (3116523)
[22] 2019-09-20
[62] 3,056,214
[30] US (16/184,324) 2018-11-08
[30] US (16/184,225) 2018-11-08

---

[11] **3,119,520**
[13] C
[51] **Int.Cl. F24F 1/0087 (2019.01) F24F 6/12 (2006.01)**
[25] EN
[54] **FAN COIL APPARATUS INCLUDING A HUMIDIFICATION UNIT AND A HUMIDIFICATION UNIT**
[54] **APPAREIL DE TYPE VENTILO-CONVECTEUR COMPRENANT UNE UNITE D'HUMIDIFICATION ET UNITE D'HUMIDIFICATION**
[72] CONRAD, WAYNE ERNEST, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC., CA
[86] (3119520)
[87] (3119520)
[22] 2017-11-17
[62] 3,045,523
[30] US (15/382,350) 2016-12-16
[30] US (15/382,314) 2016-12-16
[30] US (15/382,226) 2016-12-16
[30] US (15/382,162) 2016-12-16
[30] US (15/382,064) 2016-12-16
[30] US (15/381,959) 2016-12-16

---

[11] **3,121,003**
[13] C
[51] **Int.Cl. C08F 110/02 (2006.01) C08F 4/6592 (2006.01) C08F 4/70 (2006.01)**
[25] EN
[54] **ETHYLENE HOMOPOLYMERS WITH A REVERSE SHORT CHAIN BRANCH DISTRIBUTION**
[54] **HOMOPOLYMERES D'ETHYLENE AYANT UNE REPARTITION DES RAMIFICATIONS A CHAINE COURTE INVERSE**
[72] SMALL, BROOKE L., US
[72] MCDANIEL, MAX P., US
[72] MILNER, MATTHEW F., US
[72] DESLAURIERS, PAUL J., US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2021-05-25
[86] 2019-12-09 (PCT/US2019/065125)
[87] (WO2020/131442)
[30] US (16/224,929) 2018-12-19

---

[11] **3,124,485**
[13] C
[51] **Int.Cl. A23K 10/16 (2016.01) C11B 1/00 (2006.01)**
[25] EN
[54] **HUMAN AND NON-HUMAN ANIMAL USE OF MICROBIAL ANAPLEROTIC OIL**
[54] **UTILISATION HUMAINE ET NON HUMAINE D'HUILE ANAPLEROTIQUE MICROBIENNE**
[72] LAMONT, MICHEAL, US
[72] AMEZQUITA ERNULT, MAGDALENA, US
[72] GANUZA TABERNA, ENEKO, US
[73] HELIAE DEVELOPMENT, LLC, US
[85] 2021-06-21
[86] 2019-12-19 (PCT/US2019/067551)
[87] (WO2020/132285)
[30] US (62/783,546) 2018-12-21
[30] US (16/229,551) 2018-12-21
[30] US (16/720,972) 2019-12-19

Canadian Applications Open to Public Inspection

November 21, 2021 to November 27, 2021

Demandes canadiennes mises à la disponibilité du public

21 novembre 2021 au 27 novembre 2021

---

[21] **3,081,044**
[13] A1
[51] **Int.Cl. E06B 9/42 (2006.01)**
[25] EN
[54] **CLUTCH FOR A ROLLER BLIND**
[54] **EMBRAYAGE POUR UN STORE A ROULEAU**
[72] ZHOU, FAN, CA
[71] LES ENTREPRISES SMARTLUX INC., CA
[22] 2020-05-21
[41] 2021-11-21

---

[21] **3,081,074**
[13] A1
[51] **Int.Cl. A01F 25/22 (2006.01) A01F 25/08 (2006.01) B65D 88/74 (2006.01) B65G 65/30 (2006.01)**
[25] EN
[54] **MODULAR AERATION SYSTEM**
[54] **SYSTEME D`AERATION MODULAIRE**
[72] SONNTAG, BOB, CA
[72] WOODS, KENT, CA
[72] BRAUN, JAMES, CA
[72] MARQUES, AL, CA
[71] S3 ENTERPRISES INC., CA
[22] 2020-05-21
[41] 2021-11-21

---

[21] **3,081,169**
[13] A1
[51] **Int.Cl. A61L 2/18 (2006.01) A44C 5/00 (2006.01)**
[25] FR
[54] **HAND DISINFECTANT BRACELET**
[54] **BRACELET DESINFECTANT POUR LES MAINS**
[72] BOLDUC, YANNICK BOLDUC Y. B., CA
[71] BOLDUC, YANNICK BOLDUC Y. B., CA
[22] 2020-05-24
[41] 2021-11-24
[30] CA (03261077) 2020-05-24
[30] CA (03261077) 2020-05-24

---

[21] **3,081,171**
[13] A1
[51] **Int.Cl. E04G 21/02 (2006.01) B28B 13/02 (2006.01)**
[25] EN
[54] **SUSPENDED CEMENT BUCKET SYSTEM**
[54] **SYSTEME DE SEAU A CIMENT SUSPENDU**
[72] BAILEY, RODNEY, CA
[71] BAILEY, RODNEY, CA
[22] 2020-05-23
[41] 2021-11-23

---

[21] **3,081,182**
[13] A1
[51] **Int.Cl. B60R 99/00 (2009.01) B60N 3/10 (2006.01)**
[25] EN
[54] **TRAY ASSEMBLY FOR A VEHICLE**
[54] **ENSEMBLE PLATEAU POUR VEHICULE**
[72] BURMA, JENNIFER, CA
[71] BURMA, JENNIFER, CA
[22] 2020-05-22
[41] 2021-11-21
[30] US (16/880,448) 2020-05-21

---

[21] **3,081,185**
[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01) A61L 2/26 (2006.01)**
[25] EN
[54] **DISINFECTING ENCLOSURE SYSTEM**
[54] **SYSTEME D`ENCEINTE DE DESINFECTION**
[72] AMOR, RADHOUANE B., CA
[71] AMOR, RADHOUANE B., CA
[22] 2020-05-22
[41] 2021-11-21
[30] US (16/880,421) 2020-05-21

---

[21] **3,081,188**
[13] A1
[51] **Int.Cl. B60R 9/06 (2006.01)**
[25] EN
[54] **PICKUP TRUCK BASEMENT BOX**
[54] **TIROIR DE CAMIONNETTE SOUS LA CAISSE**
[72] DEBERTI, DOUG, US
[72] DEBERTI, BRAD, US
[71] DEBERTI, DOUG, US
[71] DEBERTI, BRAD, US
[22] 2020-05-22
[41] 2021-11-22

---

[21] **3,081,197**
[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/30 (2013.01) H04L 9/32 (2006.01) H04L 12/16 (2006.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MANAGING ACCESS TO ENTITY IDENTITY DATA**
[54] **METHODE ET SYSTEME POUR GERER L`ACCES AUX DONNEES D`IDENTITE D`UNE ENTITE**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[72] FARAGHER, KEVIN WAYNE, CA
[72] PANAG, HARJOT SINGH, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-05-22
[41] 2021-11-22

---

[21] **3,081,200**
[13] A1
[51] **Int.Cl. A41D 13/11 (2006.01) A62B 18/08 (2006.01)**
[25] FR
[54] **MASK&CONFORT**
[54] **MASK&CONFORT**
[72] CORPS, THIERRY, CA
[71] CORPS, THIERRY, CA
[22] 2020-05-25
[41] 2021-11-25

[21] **3,081,222**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06F 40/56 (2020.01) G06N 3/02 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **METHOD OF AND SYSTEM FOR TRAINING MACHINE LEARNING ALGORITHM TO GENERATE TEXT SUMMARY**
[54] **PROCEDE ET SYSTEME POUR FORMER L`ALGORITHME D`APPRENTISSAGE AUTOMATIQUE POUR GENERER DES RESUMES DE TEXTE**
[72] SUBRAMANIAN, SANDEEP, CA
[72] LI, RAYMOND, CA
[72] PILAULT, JONATHAN, CA
[72] PAL, CHRISTOPHER, CA
[71] ELEMENT AI INC., CA
[22] 2020-05-22
[41] 2021-11-22

[21] **3,081,230**
[13] A1
[51] **Int.Cl. C05F 11/00 (2006.01) A01N 65/03 (2009.01) A01N 3/00 (2006.01) A01P 21/00 (2006.01) C05F 11/08 (2006.01) C12N 1/12 (2006.01)**
[25] EN
[54] **BIOMASS COMPOSITIONS**
[54] **COMPOSITIONS DE BIOMASSE**
[72] CARNEY, LAURA, US
[72] MILLER, MICHAEL, US
[72] RIAL, AMY, US
[72] OSGOOD, CONNOR, US
[71] HELIAE DEVELOPMENT LLC, US
[22] 2020-05-21
[41] 2021-11-21

[21] **3,081,232**
[13] A1
[51] **Int.Cl. A41D 13/11 (2006.01)**
[25] EN
[54] **MY ACCESS MARK**
[54]
[72] CUCCHIELLA, MASSIMO, CA
[72] VEINOT, SARAH, CA
[71] CUCCHIELLA, MASSIMO, CA
[71] VEINOT, SARAH, CA
[22] 2020-05-25
[41] 2021-11-25

[21] **3,081,234**
[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01) A61L 2/26 (2006.01)**
[25] EN
[54] **UVC DISINFECTION DEVICE FOR ELECTRONIC PAYMENT TERMINALS**
[54] **DISPOSITIF DE DESINFECTION A ULTRAVIOLET C POUR LES TERMINAUX DE PAIEMENT ELECTRONIQUE**
[72] MARKWART, DYLAN L., CA
[72] KOSOLOFSKI, JAXSON G., CA
[71] MARKWART, DYLAN L., CA
[71] KOSOLOFSKI, JAXSON G., CA
[22] 2020-05-25
[41] 2021-11-25

[21] **3,081,237**
[13] A1
[51] **Int.Cl. G09B 21/00 (2006.01) G09B 1/32 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR TEACHING SPEECH TO PEOPLE WITH HEARING AND/OR SPEECH DISABILITIES**
[54] **SYSTEME ET PROCEDE POUR ENSEIGNER LA PAROLE AUX PERSONNES AYANT UNE INCAPACITE AUDITIVE ET/OU UN TROUBLE DE LA PAROLE**
[72] KAUL, SANDRA, US
[71] KAUL, SANDRA, US
[22] 2020-05-22
[41] 2021-11-22

[21] **3,081,248**
[13] A1
[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING ALLOCATION OF RESOURCES**
[54] **SYSTEMES ET METHODES DE GESTION DE LA REPARTITION DES RESSOURCES**
[72] BALDWIN, GREGORY JOHN, CA
[72] SAID, JOHN, CA
[72] GEDGE, JAY, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-05-25
[41] 2021-11-25

[21] **3,081,277**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 20/32 (2012.01) G06Q 30/02 (2012.01) G16Y 10/60 (2020.01) A61H 99/00 (2006.01)**
[25] EN
[54] **A BUSINESS METHOD TO MANAGE AND OPERATE SELF-SERVE MASSAGE CHAIR**
[54] **METHODE COMMERCIALE DE GESTION ET D`EXPLOITATION D`UN FAUTEUIL DE MASSAGE LIBRE-SERVICE**
[72] HUO, FEI, CA
[71] HUO, FEI, CA
[22] 2020-05-23
[41] 2021-11-23

[21] **3,081,278**
[13] A1
[51] **Int.Cl. F16J 13/06 (2006.01) F16J 13/18 (2006.01) F16J 13/24 (2006.01) F17C 1/00 (2006.01)**
[25] EN
[54] **CLOSURE FOR PRESSURE VESSEL OR PIPELINE**
[54] **FERMETURE POUR UN RECIPIENT SOUS PRESSION OU UN PIPELINE**
[72] KOZAK, KEITH ALAN, CA
[71] IN-LINE FLOW PRODUCTS LTD., CA
[22] 2020-05-23
[41] 2021-11-23

[21] **3,081,310**
[13] A1
[51] **Int.Cl. B60N 3/00 (2006.01)**
[25] EN
[54] **PROTECTIVE PASSENGER SHIELD FOR A VEHICLE**
[54] **DISPOSITIF DE PROTECTION PASSAGER POUR UN VEHICULE**
[72] ASHMAN, DANNY NATHAN, CA
[72] ASHMAN, SHAUN PATRICK, CA
[71] AC GLOBAL SYSTEMS LTD., CA
[22] 2020-05-22
[41] 2021-11-22

[21] **3,081,377**
[13] A1
[51] **Int.Cl. E04B 7/18 (2006.01) F24F 1/58 (2011.01) E04G 21/24 (2006.01) E04G 21/30 (2006.01) F24F 13/20 (2006.01)**
[25] EN
[54] **STRUCTURE FOR HIDING AND PROTECTING FROM DAMAGE HVAC AND OTHER ROOFTOP MECHANICAL EQUIPMENT**
[54] **STRUCTURE POUR CACHER ET PROTEGER DES DEGATS UN SYSTEME CVC ET D'AUTRES EQUIPEMENTS MECANIQUES SUR LE TOIT**
[72] FERLAND, ERIC, CA
[71] FERLAND, ERIC, CA
[22] 2020-05-27
[41] 2021-11-27

[21] **3,081,392**
[13] A1
[51] **Int.Cl. A01F 29/00 (2006.01) A01F 29/01 (2006.01)**
[25] EN
[54] **AGRICULTURAL IMPLEMENT FOR FIELD-COLLECTION, PULVERIZATION AND FIELD-DISPERSEMENT OF FLAX OR HEMP STRAW**
[54] **APPAREIL AGRICOLE POUR LA RECOLTE DE CHAMP, LA PULVERISATION ET LA DISPERSION SUR CHAMP DE PAILLE DE LIN OU DE CHANVRE**
[72] FAZAKAS, GEORGE, CA
[71] FAZAKAS, GEORGE, CA
[22] 2020-05-27
[41] 2021-11-27

[21] **3,081,398**
[13] A1
[51] **Int.Cl. A61N 5/06 (2006.01) A61M 21/00 (2006.01) G02C 11/00 (2006.01)**
[25] EN
[54] **PHOTOTHERAPY SPECTACLES ATTACHMENT**
[54] **ACCESSOIRE DE LUNETTES DE PHOTOTHERAPIE**
[72] TANG, LUCAS WEN, CA
[72] CHAN, CLIVE, CA
[72] DHILLON, JAGBIR, CA
[72] HAQ, SAAD, CA
[72] LEE, DONGAOO, CA
[71] TANG, LUCAS WEN, CA
[22] 2020-05-27
[41] 2021-11-27

[21] **3,081,405**
[13] A1
[51] **Int.Cl. A61H 31/00 (2006.01) A61H 31/02 (2006.01)**
[25] EN
[54] **DEVICE FOR PRODUCING CONTINUOUS NEGATIVE ABDOMINAL PRESSURE**
[54] **DISPOSITIF DE GENERATION D`UNE PRESSION ABDOMINALE NEGATIVE CONTINUE**
[72] KAVANAGH, BRIAN PATRICK, CA
[72] ENGELBERTS, DOREEN, CA
[72] YOSHIDA, TAKESHI, JP
[72] LOOI, THOMAS, CA
[72] GORDON, PETER ALEXANDER, CA
[72] AI XIN JUE LUO, KEVIN, CA
[72] SAAB, RAMI, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[22] 2020-05-27
[41] 2021-11-27

[21] **3,081,422**
[13] A1
[51] **Int.Cl. E03C 1/01 (2006.01) E03D 9/00 (2006.01) E04H 1/12 (2006.01)**
[25] EN
[54] **PORTABLE HYGIENE APPARATUS**
[54] **APPAREIL DE SOINS HYGIENIQUES PORTATIF**
[72] LIZOTTE, JASON E., CA
[71] LIZOTTE, JASON E., CA
[22] 2020-05-28
[41] 2021-11-27
[30] US (16/884,144) 2020-05-27

[21] **3,081,442**
[13] A1
[51] **Int.Cl. H01M 8/0637 (2016.01) H01M 8/04007 (2016.01) H01M 8/1246 (2016.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR POWER GENERATION WITH FUEL CELL**
[54] **METHODE ET SYSTEME POUR LA GENERATION D`ENERGIE AU MOYEN D`UNE PILE A COMBUSTIBLE**
[72] DIONNE, MARC MARCEL, CA
[71] INOVA CLEAN ENERGY SYSTEMS LTD., CA
[22] 2020-05-27
[41] 2021-11-27

[21] **3,081,450**
[13] A1
[51] **Int.Cl. F16G 11/12 (2006.01) E04H 17/24 (2006.01)**
[25] EN
[54] **ROPE CONNECTOR, ROPE ASSEMBLY AND RAILING**
[54] **CONNECTEUR DE CORDE, ASSEMBLAGE DE CORDE ET RAIL**
[72] LI, JIALIN, CA
[71] MULTIRAIL STAINLESS INC., CA
[71] LI, JIALIN, CA
[22] 2020-05-26
[41] 2021-11-26

[21] **3,081,453**
[13] A1
[51] **Int.Cl. A61N 1/00 (2006.01) A61N 7/00 (2006.01)**
[25] FR
[54] **MACHINE FOR KILLING VIRUSES AND IMPROVING THE IMMUNE SYSTEM**
[54] **MACHINE TUEUSE DE VIRUS ET AMELIORATRICE DU SYSTEME IMMUNITAIRE**
[72] SAMAKI, SOUFIANE, CA
[71] SAMAKI, SOUFIANE, CA
[22] 2020-05-27
[41] 2021-11-27

[21] **3,081,475**
[13] A1
[51] **Int.Cl. G01M 99/00 (2011.01) F24H 1/20 (2006.01) G06N 3/02 (2006.01) G06N 3/08 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING INEFFICIENT ELECTRIC WATER HEATER USING SMART METER READS**
[54] **METHODE ET SYSTEME POUR DETECTER UN CHAUFFE-EAU ELECTRIQUE INEFFICACE AU MOYEN D`UNE LECTURE DE COMPTEUR INTELLIGENT**
[72] SAMUNI, ERAN, IL
[72] COHEN, ERAN, IL
[72] ZAK, ALEXANDER, IL
[72] RUSCHIN RIMINI, NOA, IL
[71] GRID4C LTD., IL
[22] 2020-05-26
[41] 2021-11-26

[21] **3,081,490**
[13] A1
[51] **Int.Cl. B60K 15/067 (2006.01)**
[25] EN
[54] **MOTORCYCLE FUEL TANK FRONT PORTION RAISING DEVICE**
[54] **DISPOSITIF POUR RELEVER LA PARTIE AVANT D`UN RESERVOIR DE COMBUSTIBLE DE MOTOCYCLETTE**
[72] KAPPLER, ERIC PATRICK, CA
[71] KAPPLER, ERIC PATRICK, CA
[22] 2020-05-24
[41] 2021-11-24

[21] **3,081,531**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G06F 16/903 (2019.01)**
[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] DESLOGES, FRANCOIS, CA
[72] ROUSSEAU, MATHIEU, CA
[71] BESSETTE, LUC, CA
[22] 2020-05-25
[41] 2021-11-25

[21] **3,081,734**
[13] A1
[51] **Int.Cl. F24F 11/62 (2018.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR AUTOMATIC DETECTION OF MALFUNCTIONS/INEFFICIENT HOUSEHOLD ELECTRONIC HEATING DEVICE**
[54] **METHODE ET SYSTEME POUR LA DETECTION AUTOMATIQUE DES DEFAILLANCES ET DE L`INEFFICACITE D`UN DISPOSITIF DE CHAUFFAGE ELECTRONIQUE DE MAISON**
[72] COHEN, ERAN, IL
[72] SAMUNI, ERAN, IL
[72] RUSCHIN RIMINI, NOA, IL
[71] GRID4C LTD., IL
[22] 2020-05-27
[41] 2021-11-27

[21] **3,085,294**
[13] A1
[51] **Int.Cl. G01C 21/34 (2006.01) G06Q 10/06 (2012.01) G01C 21/36 (2006.01) G07C 5/02 (2006.01)**
[25] EN
[54] **ROUTING SYSTEM THAT INCORPORATES HOURS OF SERVICE INTO TIME ESTIMATES**
[54] **SYSTEME D`ACHEMINEMENT QUI INTEGRE LES HEURES DE SERVICE DANS LES ESTIMATIONS DE TEMPS**
[72] OZTURK, YUSUF, US
[71] RM ACQUISITION, LLC D/B/A RAND MCNALLY, US
[22] 2020-07-03
[41] 2021-11-27
[30] US (16/885.095) 2020-05-27

[21] **3,088,894**
[13] A1
[51] **Int.Cl. B65D 90/34 (2006.01) B65D 88/06 (2006.01) B65D 88/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR VENTING TANKS TO ENHANCE TRANSPORTING ASPHALT**
[54] **SYSTEME ET METHODES POUR LA VENTILATION DE RESERVOIRS AFIN D`AMELIORER LE TRANSPORT D`ASPHALTE**
[72] HANIS, JARED S., US
[72] DAVIS, EDDIE A., US
[72] CALEN, JAMES E., US
[72] DUNKERLEY, STUART B., US
[72] NAKAHARA, WILLIAM Y., US
[71] MARATHON PETROLEUM COMPANY LP, US
[22] 2020-08-04
[41] 2021-11-21
[30] US (16/984,559) 2020-08-04
[30] US (62/704,668) 2020-05-21

[21] **3,091,576**
[13] A1
[51] **Int.Cl. B67C 3/16 (2006.01) B67D 7/02 (2010.01) B67C 9/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SIPHONING A BEVERAGE INTO A FLEXIBLE CONTAINER**
[54] **METHODE ET APPAREIL POUR SIPHONNER UN BREUVAGE DANS UN CONTENANT SOUPLE**
[72] HAMILTON, DEREK, CA
[71] FERMTECH LTD., CA
[22] 2020-08-28
[41] 2021-11-22
[30] US (63/028,980) 2020-05-22

[21] **3,091,655**
[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) G05B 17/02 (2006.01) G06F 17/11 (2006.01) G06F 17/16 (2006.01)**
[25] EN
[54] **METHODS OF PATEL LOADFLOW COMPUTATION FOR ELECTRICAL POWER SYSTEM**
[54] **PROCEDES DE CALCUL DE FLUX DE CHARGE DE PATEL POUR SYSTEME D`ALIMENTATION ELECTRIQUE**
[72] PATEL, SURESHCHANDRA B., CA
[71] PATEL, SURESHCHANDRA B., CA
[22] 2020-08-31
[41] 2021-11-27
[30] CA (3061430) 2020-05-27

[21] **3,099,117**
[13] A1
[51] **Int.Cl. A24F 40/465 (2020.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **HEATING CUP, HIGH FREQUENCY HEATING UNIT, AND HOOKAH**
[54] **TASSE CHAUFFANTE, UNITE DE CHAUFFAGE HAUTE FREQUENCE ET HOUKA**
[72] LIU. TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-11-11
[41] 2021-11-21
[30] CN (202010435846.3) 2020-05-21
[30] CN (202020863100.8) 2020-05-21

[21] **3,100,705**
[13] A1
[51] **Int.Cl. A24F 1/30 (2006.01) A24D 3/17 (2020.01) A24F 40/465 (2020.01)**
[25] EN
[54] **HOOKAH COMPRISING HIGH FREQUENCY HEATING UNIT**
[54] **HOUKA COMPRENANT UNE UNITE DE CHAUFFAGE HAUTE FREQUENCE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-11-26
[41] 2021-11-22
[30] CN (202010447179.0) 2020-05-22
[30] CN (202020884883.8) 2020-05-22

---

[21] **3,100,722**
[13] A1
[51] **Int.Cl. A24F 1/30 (2006.01)**
[25] EN
[54] **HOOKAH**
[54] **HOUKA**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-11-26
[41] 2021-11-21
[30] CN (202010434273.2) 2020-05-21
[30] CN (202020859764.7) 2020-05-21

---

[21] **3,101,149**
[13] A1
[51] **Int.Cl. C04B 28/00 (2006.01) B28C 5/00 (2006.01) B28C 7/04 (2006.01)**
[25] EN
[54] **CHEMICAL-RESISTANT QUARTZ-BASED CASTING COMPOSITION AND METHOD OF MAKING A CHEMICAL-RESISTANT CONCRETE**
[54] **COMPOSITION DE MOULAGE A BASE DE QUARTZ RESISTANT AUX PRODUITS CHIMIQUES ET PROCEDE DE FABRICATION D`UN BETON RESISTANT AUX PRODUITS CHIMIQUES**
[72] ANDERSON, MICHAEL W., US
[72] CONNORS, CHARLES W., JR., US
[71] MAGNECO/METREL, INC., US
[22] 2020-11-30
[41] 2021-11-22
[30] US (16/882,134) 2020-05-22
[30] US (16/882,189) 2020-05-22

---

[21] **3,101,297**
[13] A1
[51] **Int.Cl. C07C 68/04 (2006.01) C07C 29/36 (2006.01) C07C 68/08 (2006.01)**
[25] EN
[54] **METHOD FOR DIRECT CONVERSION OF CARBON DIOXIDE TO DIALKYL CARBONATES USING ETHYLENE OXIDE AS FEEDSTOCK**
[54] **METHODE DE CONVERSION DIRECTE DE DIOXYDE DE CARBONE EN CARBONATES DIALKYLES AU MOYEN D`OXYDE D'ETHYLENE COMME MATIERE DE BASE**
[72] PANCHAL, CHANDRAKANT B., US
[72] DOCTOR, RICHARD, US
[71] E3TEC SERVICE, LLC, US
[22] 2020-12-01
[41] 2021-11-22
[30] US (15/929,808) 2020-05-22

---

[21] **3,107,202**
[13] A1
[51] **Int.Cl. B21H 1/10 (2006.01)**
[25] EN
[54] **INTERNAL SUPPORTING TYPE WHEEL RIM ROLLING MACHINE**
[54] **MACHINE A ROULER DES JANTES DE ROUE D'IMPRESSION A SUPPORT INTERNE**
[72] PAN, WEIMIN, CN
[72] LI, MIAOCONG, CN
[72] YAO, JIAHUI, CN
[72] ZHOU, MI, CN
[71] ZHEJIANG FENGCHI MECHANICAL CO., LTD., CN
[22] 2021-01-26
[41] 2021-11-27
[30] CN (2020104619533) 2020-05-27

---

[21] **3,108,601**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G01V 9/00 (2006.01)**
[25] EN
[54] **FACILITATING HYDROCARBON EXPLORATION FROM EARTH SYSTEM MODELS**
[54] **FACILITATION DE LA PROSPECTION D`HYDROCARBURES A PARTIR DE MODELES DE SYSTEME TERRESTRE**
[72] DAVIES, ANDREW, GB
[72] ATAR, ELIZABETH, GB
[72] ZEFREH, MASOUD GHADERI, GB
[72] BAINES, GRAHAM, GB
[72] GRESELLE, BENJAMIN, GB
[71] LANDMARK GRAPHICS CORPORATION, US
[22] 2021-02-11
[41] 2021-11-22
[30] US (16/881,166) 2020-05-22

---

[21] **3,108,969**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **REAL-TIME WELLBORE DRILLING WITH DATA QUALITY CONTROL**
[54] **FORAGE DE TROU EN TEMPS REEL AVEC CONTROLE DE LA QUALITE DES DONNEES**
[72] DANDE, SHASHI, US
[72] MADASU, SRINATH, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[71] LANDMARK GRAPHICS CORPORATION, US
[22] 2021-02-16
[41] 2021-11-26
[30] US (16/883,328) 2020-05-26

[21] **3,110,500**
[13] A1
[51] **Int.Cl. C02F 1/68 (2006.01) C02F 1/00 (2006.01) E21B 21/06 (2006.01) E21B 43/24 (2006.01) C09K 8/592 (2006.01)**
[25] EN
[54] **METHODS FOR WASTEWATER TREATMENT USING ALCOHOL ETHOXYLATE SURFACTANTS**
[54] **METHODES DE TRAITEMENT DES EAUX USEES AU MOYEN D`AGENTS DE SURFACE A L`ETHOXYLATE D'ALCOOL**
[72] CHUNLL,LI, US
[72] HURD, JEFF ALLEN, CA
[71] MULTI-CHEM GROUP, LLC, US
[22] 2021-02-25
[41] 2021-11-22
[30] US (16/881,857) 2020-05-22

[21] **3,110,697**
[13] A1
[51] **Int.Cl. B64C 1/26 (2006.01)**
[25] EN
[54] **AIRCRAFT WITH MULTI SPAR BOX CONNECTION TO FUSELAGE**
[54] **AERONEF A MULTIPLES RACCORDS DE CAISSON DE LONGERON AU FUSELAGE**
[72] RYDER, KEVIN P., US
[72] COATES, CHARLES R., US
[72] NEWNHAM, PETER J., US
[72] PEARSON, WILLIAM H., US
[72] CAMPANA, JOSEPH H., US
[71] THE BOEING COMPANY, US
[22] 2021-02-26
[41] 2021-11-27
[30] US (16/884,911) 2020-05-27

[21] **3,111,198**
[13] A1
[51] **Int.Cl. B64C 3/00 (2006.01) B64C 3/18 (2006.01)**
[25] EN
[54] **STRUCTURAL COMPOSITE AIRFOILS WITH DIRECTLY COUPLED FRONT SPARS, AND RELATED METHODS**
[54] **SURFACES PORTANTES COMPOSITES STRUCTURALES POSSEDANT DES LONGERONS AVANT DIRECTEMENT RACCORDES, ET METHODES CONNEXES**
[72] GRUNER, BRYAN, US
[72] SCHUPP, PETER, US
[71] THE BOEING COMPANY, US
[22] 2021-03-04
[41] 2021-11-21
[30] US (16/880028) 2020-05-21

[21] **3,111,539**
[13] A1
[51] **Int.Cl. G01V 9/00 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **DISTRIBUTED SEQUENCIAL GAUSSIAN SIMULATION**
[54] **SIMULATION GAUSSIENNE SEQUENTIELLE DISTRIBUEE**
[72] SHI, GENBAO, US
[72] MEHRAN, HASSANPOUR, US
[72] BARDY, GAETAN PIERRE LOUIS, US
[71] LANDMARK GRAPHICS CORPORATION, US
[22] 2021-03-08
[41] 2021-11-26
[30] US (16/883,638) 2020-05-26

[21] **3,112,017**
[13] A1
[51] **Int.Cl. G06F 16/95 (2019.01) G09G 5/08 (2006.01) H04L 12/16 (2006.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISPLAYING A CURSOR ON ANOTHER USER DEVICE**
[54] **SYSTEMES ET METHODES POUR AFFICHER UN CURSEUR SUR UN AUTRE APPAREIL UTILISATEUR**
[72] BJORK, MARTEN, CA
[71] SHOPIFY INC., CA
[22] 2021-03-15
[41] 2021-11-25
[30] US (16/882642) 2020-05-25
[30] EP (21159733.1) 2021-02-26

[21] **3,112,657**
[13] A1
[51] **Int.Cl. G01N 27/83 (2006.01) F16L 55/26 (2006.01)**
[25] EN
[54] **MAGNETIZERS FOR PIGGING TOOLS INCLUDING A CUSION**
[54] **MAGNETISEURS POUR OUTILS DE RAMONAGE COMPORTANT UN COUSSIN**
[72] THOMPSON, RON, CA
[72] XU, MIN, CA
[72] GANEA, CALIN CRISTIAN, CA
[71] NOVITECH INC., US
[22] 2021-03-19
[41] 2021-11-26
[30] US (16/883222) 2020-05-26

[21] **3,112,737**
[13] A1
[51] **Int.Cl. A01K 27/00 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **ANIMAL LEASH WITH LONGITUDINALLY ADJUSTABLE GRIP HANDLE**
[54] **LAISSE POUR ANIMAL COMPORTANT UNE POIGNEE AJUSTABLE SUR LA LONGUEUR**
[72] DRUXMAN, GREGG, CA
[71] LILY LEASH HOLDINGS, CORP., CA
[22] 2021-03-22
[41] 2021-11-25
[30] US (63/029,615) 2020-05-25

[21] **3,113,192**
[13] A1
[51] **Int.Cl. B23B 51/00 (2006.01) B23B 49/00 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEMS, AND METHODS FOR FORMING ALIGNED HOLES FROM MISALIGNED HOLES**
[54] **APPAREIL, SYSTEMES ET METHODES POUR FORMER DES TROUS ALIGNES A PARTIR DE TROUS DESALIGNES**
[72] WARD, MICHAEL A., US
[72] SCHEIBEL, JOHN P., US
[72] SCHERER, JAMES L., US
[71] THE BOEING COMPANY, US
[22] 2021-03-24
[41] 2021-11-27
[30] US (16/884506) 2020-05-27

[21] **3,113,307**
[13] A1
[51] **Int.Cl. H01F 27/32 (2006.01)**
[25] EN
[54] **TRANSFORMER INSULATION MODIFICATION**
[54] **MODIFICATION D'ISOLATION DE TRANSFORMATEUR**
[72] KLYS, PAWEL, PL
[72] PRIETO, ALBERTO, US
[72] DASZKIEWICZ, ROBERT, PL
[71] ABB POWER GRIDS SWITZERLAND AG, CH
[22] 2021-03-25
[41] 2021-11-27
[30] EP (20176908.0) 2020-05-27

---

[21] **3,113,323**
[13] A1
[51] **Int.Cl. B64C 25/18 (2006.01) B64C 25/14 (2006.01)**
[25] EN
[54] **NOSE LANDING GEAR ASSEMBLY FOR USE WITH AN AIRCRAFT**
[54] **ASSEMBLAGE DE TRAIN D'ATTERRISSAGE AVANT POUR UN AERONEF**
[72] KARAPETIAN, MICHAEL S., US
[72] LEE, HAO, US
[71] THE BOEING COMPANY, US
[22] 2021-03-25
[41] 2021-11-21
[30] US (16/880,420) 2020-05-21

---

[21] **3,113,516**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G01D 21/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING TRAFFIC DENSITY IN A REGION**
[54] **SYSTEMES ET METHODES POUR MESURER LA DENSITE DU TRAFIC DANS UNE REGION**
[72] MARSHALL, BRENT, CA
[71] SHOPIFY INC., CA
[22] 2021-03-25
[41] 2021-11-25
[30] US (16/882636) 2020-05-25
[30] EP (21156678.1) 2021-02-11

---

[21] **3,114,455**
[13] A1
[51] **Int.Cl. A01B 21/08 (2006.01) A01B 35/28 (2006.01)**
[25] EN
[54] **ATTACHMENT FOR USE WITH A PRIME MOVER TO CUT GROUND MATERIAL**
[54] **ACCESSOIRE A UTILISER AVEC UN MOTEUR PRIMAIRE POUR COUPER UN MATERIAU DE SOL**
[72] HALISCHUK, CORRIE, CA
[71] HALISCHUK, CORRIE, CA
[22] 2021-04-09
[41] 2021-11-26
[30] US (63029834) 2020-05-26

---

[21] **3,116,360**
[13] A1
[51] **Int.Cl. A22C 21/00 (2006.01) A22C 15/00 (2006.01) B65G 47/36 (2006.01)**
[25] EN
[54] **A METHOD FOR HANGING POULTRY OR PARTS THEREOF ON AN OVERHEAD CONVEYOR, A SYSTEM AND AN APPARATUS**
[54] **METHODE POUR SUSPENDRE DE LA VOLAILLE OU DES PARTIES DE VOLAILLE SUR UN CONVOYEUR SUSPENDU, SYSTEME ET APPAREIL**
[72] VAN STEIJN, ALOYSIUS CHRISTIANUS, NL
[71] MEYN FOOD PROCESSING TECHNOLOGY B.V., NL
[22] 2021-04-23
[41] 2021-11-26
[30] NL (2025670) 2020-05-26

---

[21] **3,116,444**
[13] A1
[51] **Int.Cl. A61C 19/00 (2006.01) A61G 10/00 (2006.01) A61G 15/10 (2006.01) A61G 15/14 (2006.01) A62B 31/00 (2006.01)**
[25] EN
[54] **ORAL AEROSOL PROTECTION**
[54] **PROTECTION BUCCALE D'AEROSOL**
[72] LAFLAMME, CLAUDE, CA
[71] PROBUCCAL INC., CA
[22] 2021-04-28
[41] 2021-11-26
[30] US (63/029,926) 2020-05-26

---

[21] **3,117,154**
[13] A1
[51] **Int.Cl. C22C 5/02 (2006.01) C22C 18/00 (2006.01) C22C 30/02 (2006.01) C22C 30/06 (2006.01)**
[25] EN
[54] **ALLOY, IN PARTICULAR NOBLE METAL ALLOY, SEMI-FINISHED PRODUCT MADE FROM SUCH AN ALLOY, PIECE OF JEWELRY HAVING AT LEAST ONE SUCH SEMI-FINISHED PRODUCT, AND METHOD FOR PRODUCING SUCH A SEMI-FINISHED PRODUCT**
[54] **ALLIAGE, EN PARTICULIER UN ALLIAGE A BASE DE METAUX NOBLES, PRODUIT SEMI-FINI FABRIQUE A PARTIR D'UN TEL ALLIAGE, BIJOU COMPORTANT AU MOINS UN TEL PRODUIT SEMI-FINI ET METHODE DE FABRICATION D'UN PRODUIT SEMI-FINI**
[72] WELLENDORFF, GEORG, DE
[71] DR. ALEX WELLENDORFF GMBH & CO. KG, DE
[22] 2021-05-04
[41] 2021-11-27
[30] DE (10 2020 206 620.5) 2020-05-27

---

[21] **3,117,293**
[13] A1
[51] **Int.Cl. H04W 72/08 (2009.01)**
[25] FR
[54] **PROCESS FOR COMMUNICATION CHANNEL SELECTION**
[54] **PROCEDE DE SELECTION DE CANAL DE COMMUNICATION**
[72] ALARCON, LAURENT, FR
[72] LALAM, MASSINISSA, FR
[71] SAGEMCOM BROADBAND SAS, FR
[22] 2021-05-06
[41] 2021-11-27
[30] FR (2005572) 2020-05-27

[21] **3,117,801**
[13] A1
[51] **Int.Cl. E04F 21/00 (2006.01) E04F 21/20 (2006.01)**
[25] EN
[54] **LEVELLING SPACER DEVICE**
[54] **DISPOSITIF D'ESPACEMENT ET DE NIVELLEMENT**
[72] SIGHINOLFI, RICCARDO, IT
[71] RAIMONDI S.P.A., IT
[22] 2021-05-11
[41] 2021-11-22
[30] IT (102020000012022) 2020-05-22

---

[21] **3,117,955**
[13] A1
[51] **Int.Cl. A23P 10/40 (2016.01) A23L 5/00 (2016.01) A23L 25/00 (2016.01) A23L 29/00 (2016.01) A23P 10/00 (2016.01) A23G 3/50 (2006.01)**
[25] EN
[54] **DRY FOOD MIX**
[54] **MELANGE ALIMENTAIRE SEC**
[72] COX, STEVEN J., US
[72] DOMINGUES, DAVID J., US
[72] GAERTNER, KARIN C., US
[72] MADDEN, NICOLE, US
[71] GENERAL MILLS, INC., US
[22] 2021-05-10
[41] 2021-11-27
[30] US (63/030667) 2020-05-27

---

[21] **3,118,118**
[13] A1
[51] **Int.Cl. F03D 7/04 (2006.01) H02K 7/18 (2006.01) H02P 9/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING A WIND TURBINE TO PROTECT THE WIND TURBINE FROM ANOMALOUS OPERATIONS**
[54] **SYSTEME ET METHODE POUR CONTROLER UNE EOLIENNE AFIN DE LA PROTEGER CONTRE LES OPERATIONS ANORMALES**
[72] HOLLIDAY, CORNELIUS EDWARD, III, US
[72] ANGEL, MATHEW DOYLE, US
[72] WAGONER, ROBERT GREGORY, US
[72] KILLEEN, NATHAN MICHAEL, US
[72] HARDWICKE, EDWARYD WAYNE, JR., US
[72] SUTHERLAND, STEVEN WADE, US
[72] GANIREDDY, GOVARDHAN, US
[72] RAMIREZ SANCHEZ, FERNANDO ARTURO, US
[72] HAQUE, TALHA IRFANUL, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2021-05-12
[41] 2021-11-21
[30] US (16/880,394) 2020-05-21

---

[21] **3,118,332**
[13] A1
[51] **Int.Cl. F03D 7/04 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A WIND POWER INSTALLATION**
[54] **PROCEDE POUR CONTROLER UNE CENTRALE D`ENERGIE EOLIENNE**
[72] BROMBACH, JOHANNES, DE
[71] WOBBEN PROPERTIES GMBH, DE
[22] 2021-05-12
[41] 2021-11-26
[30] EP (20176671.4) 2020-05-26

---

[21] **3,118,758**
[13] A1
[51] **Int.Cl. G01M 99/00 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISPLAY CASE DIAGNOSTICS**
[54] **SYSTEMES ET METHODES DE DIAGNOSTIC DE BOITIER DE PRESENTOIR**
[72] KAEMINGK, NATE, US
[72] GUNDURAO, CHETAN, IN
[71] HILL PHOENIX, INC., US
[22] 2021-05-14
[41] 2021-11-26
[30] US (16/883,092) 2020-05-26

---

[21] **3,119,015**
[13] A1
[51] **Int.Cl. H01S 5/02375 (2021.01) H01S 5/02315 (2021.01) H01S 5/0236 (2021.01) G02B 6/12 (2006.01) G02B 6/42 (2006.01) H01L 23/48 (2006.01)**
[25] EN
[54] **CARRIER BASED LASER ASSEMBLY AND METHOD OF ASSEMBLY THEREOF WITH PHOTONIC INTEGRATED CIRCUIT**
[54] **ENSEMBLE LASER A BASE DE PORTEUR ET METHODE CONNEXE AVEC UN CIRCUIT INTEGRE PHOTONIQUE**
[72] HICKEY, RYAN MURRAY, CA
[72] BECKETT, DOUGLAS, J. S., CA
[72] HUTCHINS, JEFFREY OTHA, US
[71] RANOVUS INC., CA
[22] 2021-05-18
[41] 2021-11-22
[30] US (63/029,031) 2020-05-22

[21] **3,119,126**
[13] A1
[51] **Int.Cl. E21B 43/16 (2006.01) E21B 43/12 (2006.01) E21B 43/14 (2006.01) E21B 43/22 (2006.01) E21B 43/24 (2006.01) E21B 43/241 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING HYDROCARBONS FROM THIN, HETEROGENOUS PAY RESERVOIRS**
[54] **METHODES DE PRODUCTION D`HYDROCARBURES A PARTIR DE RESERVOIRS DE PRODUCTION HETEROGENES ET MINCES**
[72] ELLIOTT, CHRIS, CA
[72] KEITH, JESSE CLINTON, CA
[71] CENOVUS ENERGY INC., CA
[22] 2021-05-19
[41] 2021-11-22
[30] US (63/028,699) 2020-05-22

[21] **3,119,130**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **NEAR-REAL-TIME COLLABORATIVE VEHICLE REPAIR ESTIMATING TOOL**
[54] **OUTIL D`ESTIMATION DE REPARATIONS COLLABORATIVES D`UN VEHICULE QUASI EN TEMPS REEL**
[72] GENCHEK, NIV, US
[72] NEMANI, RAVI KIRAN, US
[71] MITCHELL INTERNATIONAL, INC., US
[22] 2021-05-19
[41] 2021-11-22
[30] US (16/881,884) 2020-05-22

[21] **3,119,138**
[13] A1
[51] **Int.Cl. B32B 1/08 (2006.01) B29C 45/00 (2006.01)**
[25] EN
[54] **EROSION-RESISTANT INSERTS FOR FLOW EQUIPMENT**
[54] **PIECES RAPPORTEES RESISTANTES A L`EROSION POUR UN EQUIPEMENT DE CIRCULATION**
[72] FINK, DANIEL R., US
[72] KEIHANY, JULIAN, US
[71] FMC TECHNOLOGIES, INC., US
[22] 2021-05-19
[41] 2021-11-22
[30] US (16/881,923) 2020-05-22

[21] **3,119,140**
[13] A1
[51] **Int.Cl. B64C 1/00 (2006.01) B64C 1/06 (2006.01)**
[25] EN
[54] **PANEL SYSTEMS AND METHODS FOR HELICOPTERS**
[54] **SYSTEMES ET METHODES DE PANNEAUX POUR DES HELICOPTERES**
[72] SUTER, ANTHONY, US
[71] NORTH WEST HELI-STRUCTURES INCORPORATED, US
[22] 2021-05-19
[41] 2021-11-21
[30] US (16/880,751) 2020-05-21

[21] **3,119,231**
[13] A1
[51] **Int.Cl. A01G 20/47 (2018.01) F04D 29/30 (2006.01) F04D 29/38 (2006.01) F04D 29/40 (2006.01)**
[25] EN
[54] **BLOWER IMPELLER**
[54] **ROTOR DE SOUFFLANTE**
[72] HOULE, MARIO, CA
[71] IMMEUBLES MFP 1006 INC., CA
[22] 2021-05-20
[41] 2021-11-22
[30] US (63/029,020) 2020-05-22

[21] **3,119,268**
[13] A1
[25] EN
[54] **METHODS AND SYSTEMS FOR DISPLAY SCREENS WITH RELATIVE COORDINATE SYSTEMS**
[54] **METHODES ET SYSTEMES POUR DES ECRANS DE VISUALISATION AVEC DES SYSTEMES DE COORDONNEES RELATIVES**
[72] FOLKEN, KEITH, US
[72] PRASAD, MEGHNA, US
[72] CALLAGHAN, MERRITT, US
[72] YUET, FU, US
[71] CATERPILLAR, INC., US
[22] 2021-05-20
[41] 2021-11-26
[30] US (16/882949) 2020-05-26

[21] **3,119,281**
[13] A1
[51] **Int.Cl. E03C 1/22 (2006.01) E03C 1/26 (2006.01) E03F 5/04 (2006.01)**
[25] EN
[54] **DRAIN ASSEMBLY AND METHOD OF INSTALLATION**
[54] **ENSEMBLE DE DRAINAGE ET METHODE D`INSTALLATION**
[72] VALORE, MATTHEW, US
[72] ZHANG, KAI, US
[71] OATEY CO., US
[22] 2021-05-20
[41] 2021-11-21
[30] US (63/028205) 2020-05-21

[21] **3,119,284**
[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01) A61L 9/20 (2006.01)**
[25] EN
[54] **AIRCRAFT SANITIZATION SYSTEMS AND DEVICES**
[54] **DISPOSITIFS ET SYSTEMES D`ASSAINISSEMENT D`AERONEF**
[72] IRMEN, GREG, US
[72] SWARO, SAMARESH, US
[71] HCL AMERICA, INC., US
[22] 2021-05-20
[41] 2021-11-21
[30] US (16/879,935) 2020-05-21

[21] **3,119,287**
[13] A1
[51] **Int.Cl. H04B 7/155 (2006.01) H04W 16/26 (2009.01)**
[25] EN
[54] **SIGNAL BOOSTER FOR SPECTRALLY ADJACENT BANDS**
[54] **SURAMPLIFICATEUR DE SIGNAL POUR LES BANDES ADJACENTES SUR LE SPECTRE**
[72] ASHWORTH, CHRISTOPHER KEN, US
[71] WILSON ELECTRONICS, LLC, US
[22] 2021-05-20
[41] 2021-11-22
[30] US (63/029,266) 2020-05-22
[30] US (17/325,091) 2021-05-19

---

[21] **3,119,321**
[13] A1
[51] **Int.Cl. A61L 2/18 (2006.01) C11D 7/18 (2006.01) C11D 17/00 (2006.01)**
[25] EN
[54] **HYDROGEN PEROXIDE FOAM GENERATING APPARATUS AND RELATED METHOD**
[54] **GENERATRICE DE MOUSSE DE PEROXYDE D'HYDROGENE ET METHODE CONNEXE**
[72] FULLJAMES, TERRANCE, CA
[71] PEROXICLEAN INC., CA
[22] 2021-05-20
[41] 2021-11-27
[30] US (63030360) 2020-05-27

---

[21] **3,119,335**
[13] A1
[51] **Int.Cl. G01B 11/00 (2006.01) B23Q 17/20 (2006.01)**
[25] EN
[54] **OPTICAL MEASURING AND/OR PRESETTING METHOD AND OPTICAL TOOL PRESETTING AND/OR TOOL MEASURING APPARATUS**
[54] **METHODE DE MESURE ET/OU DE PREREGLAGE OPTIQUE, ET APPAREIL DE MESURE ET/OU DE PREREGLAGE D`OUTIL OPTIQUE**
[72] ZOLLER, ALEXANDER, DE
[71] E. ZOLLER GMBH & CO. KG EINSTELL-UND MESSGERAETE, DE
[22] 2021-05-21
[41] 2021-11-27
[30] DE (10 2020 114 158.0) 2020-05-27

---

[21] **3,119,340**
[13] A1
[51] **Int.Cl. F23D 14/84 (2006.01) F23D 14/32 (2006.01) F27B 3/20 (2006.01)**
[25] EN
[54] **OXY-FUEL BURNER FOR GLASS FOREHEARTHS**
[54] **BRULEUR A GAZ OXYGENE POUR DES AVANT-CREUSETS DE VERRE**
[72] D'AGOSTINI, MARK DANIEL, US
[72] GALLAGHER, MICHAEL J., US
[72] VINOD, ASHWIN, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2021-05-21
[41] 2021-11-27
[30] US (16/884,418) 2020-05-27

---

[21] **3,119,344**
[13] A1
[51] **Int.Cl. A61L 2/08 (2006.01) A61L 9/18 (2006.01)**
[25] EN
[54] **AIR AND SURFACE DISINFECTING SYSTEM**
[54] **SYSTEME DE DESINFECTION DE L`AIR ET DES SURFACES**
[72] KIVIAT, ALAN, US
[71] MEDICAL ILLUMINATION INTERNATIONAL INC., US
[22] 2021-05-21
[41] 2021-11-23
[30] US (63029463) 2020-05-23
[30] US (63035657) 2020-06-05

---

[21] **3,119,354**
[13] A1
[51] **Int.Cl. F16K 5/20 (2006.01) F16K 5/06 (2006.01)**
[25] EN
[54] **VALVE SEAT WITH SEAL FOR USE WITH VALVE ELEMENT IN VALVE ASSEMBLY**
[54] **SIEGE DE CORPS AVEC JOINT D'ETANCHEITE POUR L`UTILISATION AVEC UN ELEMENT DE SOUPAPE D`UN ENSEMBLE SOUPAPE**
[72] MASEN, MARK GEOFFREY, US
[72] SAGOVAC, JASON, US
[71] MAXITROL COMPANY, US
[22] 2021-05-21
[41] 2021-11-21
[30] US (63/044,441) 2020-06-26
[30] US (63/028,244) 2020-05-21

---

[21] **3,119,366**
[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01) G06Q 50/32 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING SUBSCRIBER EXPERIENCE IN A COMPUTER NETWORK**
[54] **SYSTEME ET METHODE POUR DETERMINER L`EXPERIENCE D`UN ABONNE DANS UN RESEAU INFORMATIQUE**
[72] SRIDHAR, KAMAKSHI, US
[72] KANASUPRAMANIAM, KAVI, CA
[72] NEIMAN, ARMAN, CA
[72] SZEKELY, MARCEL, CA
[72] BEECKER, JAMES, CA
[72] HAVANG, ALEXANDER, CA
[71] SANDVINE CORPORATION, CA
[22] 2021-05-21
[41] 2021-11-22
[30] US (63/029,025) 2020-05-22
[30] EP (21175101.1) 2021-05-20

---

[21] **3,119,367**
[13] A1
[51] **Int.Cl. C11B 1/06 (2006.01) C11B 1/04 (2006.01) C11B 3/00 (2006.01) C11B 3/10 (2006.01) C11B 3/16 (2006.01)**
[25] EN
[54] **METHOD FOR SYNCHRONOUSLY PRESSING OILSEEDS AND REFINING OIL IN SOLID-PHASE**
[54] **METHODE DE PRESSAGE SYNCHRONE DE GRAINES OLEAGINEUSES ET DE RAFFINAGE D`HUILE EN PHASE SOLIDE**
[72] HUANG, FENGHONG, CN
[72] ZHENG, MINGMING, CN
[72] LIU, TIELIANG, CN
[72] WAN, CHUYUN, CN
[72] ZHANG, YONGGEN, CN
[71] OIL CROPS RESEARCH INSTITUTE, CHINESE ACADEMY OF AGRICULTURAL SCIENCES, CN
[22] 2021-05-21
[41] 2021-11-22
[30] CN (202010443532.8) 2020-05-22

[21] **3,119,421**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 30/06 (2012.01) H04L 12/16 (2006.01)**
[25] EN
[54] **TRANSACTION FOR TAMPER AND QUALITY EVIDENCED DELIVERY OF PURCHASE INCENTED BY DONATION**
[54] **TRANSACTION POUR UNE LIVRAISON A ALTERATION ET A QUALITE EVIDENTES D`UN ACHAT INCITE PAR DON**
[72] TIETZEN, TERRANCE PATRICK, CA
[72] BATES, MATTHEW ARNOLD MACPHERSON, CA
[72] LETKI, WILLIAM OREY, CA
[71] EDATANETWORKS INC., CA
[22] 2021-05-20
[41] 2021-11-25
[30] US (63/029,601) 2020-05-25
[30] US (17/323,427) 2021-05-18

[21] **3,119,425**
[13] A1
[51] **Int.Cl. A61M 27/00 (2006.01)**
[25] EN
[54] **EXTERNALLY PROGRAMMABLE MAGNETIC VALVE ASSEMBLY AND CONTROLLER**
[54] **ENSEMBLE ET CONTROLEUR D`ELECTROVANNE PROGRAMMABLE DE L`EXTERIEUR**
[72] HAKIM, CARLOS A., US
[72] HAKIM, JAMIL M., US
[71] HAKIM, CARLOS A., US
[71] HAKIM, JAMIL M., US
[22] 2021-05-17
[41] 2021-11-21
[30] US (16/879,925) 2020-05-21

[21] **3,119,470**
[13] A1
[51] **Int.Cl. G02B 6/46 (2006.01) A47B 81/00 (2006.01) H02G 3/04 (2006.01) H02G 3/30 (2006.01)**
[25] EN
[54] **WALLMOUNT ENCLOSURE FOR FIBER OPTIC CASSETTES**
[54] **ENCEINTE MURALE POUR CASSETTES DE FIBRE OPTIQUE**
[72] BOUCHER, JACQUES-OLIVIER, CA
[72] ROA-QUISPE, CHRISTIAN, CA
[72] RAKOTO-SAM, LUCAS, CA
[71] BELDEN CANADA ULC, CA
[22] 2021-05-25
[41] 2021-11-25
[30] US (63/029,634) 2020-05-25

[21] **3,119,473**
[13] A1
[51] **Int.Cl. B60G 3/20 (2006.01) B60F 5/00 (2006.01) B60G 7/02 (2006.01) B60G 21/055 (2006.01)**
[25] EN
[54] **ALL-TERRAIN VEHICLE**
[54] **VEHICULE TOUT-TERRAIN**
[72] LI, XIANG, CN
[72] CHEN, MINGTANG, CN
[71] SEGWAY TECHNOLOGY CO., LTD., CN
[22] 2021-05-25
[41] 2021-11-22
[30] CN (202020886297.7) 2020-05-22

[21] **3,119,495**
[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01)**
[25] EN
[54] **SANITIZING SYSTEM FOR SANITIZING DEVICES AND METHOD THEREOF**
[54] **SYSTEME D`ASSAINISSEMENT POUR DISPOSITIFS D`ASSAINISSEMENT ET METHODE CONNEXE**
[72] MARK, JACOB, US
[72] MARK, JOE, US
[71] MARK INNOVATION LLC, US
[22] 2021-05-25
[41] 2021-11-22
[30] US (63/029,139) 2020-05-22

[21] **3,119,513**
[13] A1
[51] **Int.Cl. A63F 13/30 (2014.01) A63F 13/55 (2014.01)**
[25] EN
[54] **LIVE TOY SYSTEM**
[54] **SYSTEME DE JOUET VIVANT**
[72] BORST, KARL, CA
[72] GANZ, HOWARD, CA
[71] GANZ, CA
[22] 2021-05-25
[41] 2021-11-27
[30] US (16/884984) 2020-05-27

[21] **3,119,522**
[13] A1
[51] **Int.Cl. B60R 11/00 (2006.01)**
[25] EN
[54] **DOCUMENT HOLDER**
[54] **PORTE-DOCUMENTS**
[72] HARBIN, COLIN GLEN, CA
[72] MANSER, DARREN JOHN, CA
[71] BIG RIG BILL BUDDY PRODUCTS INC., CA
[22] 2021-05-25
[41] 2021-11-25
[30] US (63/029624) 2020-05-25

[21] **3,119,528**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01B 63/16 (2006.01) A01C 5/06 (2006.01)**
[25] EN
[54] **GAUGE WHEEL SYSTEM**
[54] **SYSTEME DE ROUE DE JAUGE**
[72] RYAN, PAUL, AU
[71] RYAN FARMING MACHINERY PTY LTD, AU
[22] 2021-05-25
[41] 2021-11-26
[30] AU (2020901706) 2020-05-26

[21] **3,119,562**
[13] A1
[51] **Int.Cl. A62C 37/00 (2006.01) A62C 5/00 (2006.01) A62C 31/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR FIGHTING FIRES**
[54] **APPAREIL DE LUTTE CONTRE LES INCENDIES**
[72] FARZAM, HUSSEIN, CA
[72] BOLANDI, MAHBOOB, CA
[71] ALAZTECH INC., CA
[22] 2021-05-25
[41] 2021-11-25
[30] US (16/882,684) 2020-05-25

[21] **3,119,567**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR SITUATIONAL AWARENESS ASSIST VIEW**
[54] **SYSTEME ET METHODE D`AIDE A LA VISUALISATION DE CONNAISSANCE DE LA SITUATION**
[72] MILLAR, JONATHAN TAYLOR, CA
[72] CARLE, MATTHEW AARON ROGERS, CA
[72] CAMERON, JAMES ALLAN DOUGLAS, CA
[71] PATRIOTONE TECHNOLOGIES, CA
[22] 2021-05-25
[41] 2021-11-25
[30] US (63/029,606) 2020-05-25

---

[21] **3,119,570**
[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) 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] DESLOGES, FRANCOIS, CA
[72] ROUSSEAU, MATHIEU, CA
[71] BESSETTE, LUC, CA
[22] 2021-05-25
[41] 2021-11-25
[30] US (63/029,643) 2020-05-25
[30] CA (3,081,531) 2020-05-25
[30] US (63/110,191) 2020-11-05
[30] CA (3,098,242) 2020-11-05
[30] US (63/147,080) 2021-02-08
[30] CA (3,108,555) 2021-02-08

---

[21] **3,119,574**
[13] A1
[51] **Int.Cl. G01J 5/48 (2006.01) A61B 5/01 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR USING ARTIFICIAL INTELLIGENCE TO ENABLE ELEVATED TEMPERATURE DETECTION OF PERSONS USING COMMODITY-BASED THERMAL CAMERAS**
[54] **SYSTEME ET METHODE D`UTILISATION DE L`INTELLIGENCE ARTIFICIELLE POUR PERMETTRE LA DETECTION DE TEMPERATURE ELEVEE DE PERSONNES AU MOYEN DE CAMERAS THERMIQUES**
[72] BABIUK, VADYM, CA
[72] STEWART, JAMES ASHLEY, CA
[72] CAMERON, JAMES ALLAN DOUGLAS, CA
[72] MUNZ, PHIL KONRAD, CA
[72] FINN, RYAN, CA
[71] PATRIOTONE TECHNOLOGIES, CA
[22] 2021-05-25
[41] 2021-11-25
[30] US (63/029,609) 2020-05-25

---

[21] **3,119,579**
[13] A1
[51] **Int.Cl. H04L 9/30 (2006.01) H04W 12/069 (2021.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUSES FOR NETWORK CREDENTIAL MANAGEMENT**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DE GESTION DES JUSTIFICATIFS D`IDENTITE**
[72] SCHMIDT, WESTON, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2021-05-25
[41] 2021-11-27
[30] US (16/885,050) 2020-05-27

---

[21] **3,119,583**
[13] A1
[51] **Int.Cl. G08B 15/00 (2006.01) H04W 4/021 (2018.01) G01B 11/14 (2006.01) G01N 21/84 (2006.01) G01N 37/00 (2006.01) G08B 13/196 (2006.01) G08B 17/10 (2006.01) H04N 5/33 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MULTI-SENSOR THREAT DETECTION PLATFORM**
[54] **SYSTEME ET METHODE POUR UNE PLATEFORME DE DETECTION DES MENACES A MULTIPLES CAPTEURS**
[72] STEWART, JAMES ASHLEY, CA
[72] CARLE, MATTHEW AARON ROGERS, CA
[72] MITCHELL, SHAWN, CA
[71] PATRIOTONE TECHNOLOGIES, CA
[22] 2021-05-25
[41] 2021-11-25
[30] US (63/029,605) 2020-05-25

---

[21] **3,119,586**
[13] A1
[51] **Int.Cl. F16M 11/32 (2006.01)**
[25] EN
[54] **TRIPODS, COUPLING JOINTS AND OTHER SUPPORT COMPONENTRY FOR CAMERAS LIGHTING AND OTHER EQUIPMENT**
[54] **TREPIEDS, JOINTS DE RACCORDS ET AUTRES ELEMENTS DE SUPPORT POUR L`ECLAIRAGE DE CAMERAS ET D`AUTRE MATERIEL**
[72] DUNN, CHRIS, CA
[71] NORTH RIM INVESTMENT GROUP LTD., CA
[22] 2021-05-26
[41] 2021-11-26
[30] US (63029817) 2020-05-26

[21] **3,119,588**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01) B60R 22/26 (2006.01)**
[25] EN
[54] **SEAT BELT FIXING DEVICE AND SEAT COMPRISING THE SAME**
[54] **DISPOSITIF DE FIXATION DE CEINTURE DE SECURITE ET SIEGE LE COMPRENANT**
[72] XIAO, XIAOHONG, CN
[71] WONDERLAND SWITZERLAND AG, CH
[22] 2021-05-25
[41] 2021-11-26
[30] CN (202010459845.2) 2020-05-26

[21] **3,119,606**
[13] A1
[51] **Int.Cl. E06B 9/24 (2006.01) G02F 1/17 (2019.01)**
[25] EN
[54] **ELECTRICALLY ACTUATED PRIVACY GLASS PANEL SYSTEM**
[54] **SYSTEME DE PANNEAU DE VERRE D`INTIMITE A ACTIONNEMENT ELECTRIQUE**
[72] SAROKA, MICHAEL, CA
[72] RUCHOGEZA, PRINCE, CA
[71] GOLDRAY INDUSTRIES, INC., CA
[22] 2021-05-26
[41] 2021-11-26
[30] US (63/030,015) 2020-05-26

[21] **3,119,610**
[13] A1
[51] **Int.Cl. B62K 19/32 (2006.01) B62K 21/06 (2006.01)**
[25] EN
[54] **ANGLE ADAPTOR FOR BICYCLE HEAD TUBE**
[54] **ADAPTATEUR D`ANGLE POUR LE TUBE DE DIRECTION D`UNE BICYCLETTE**
[72] PITTENS, JACOBUS JOSEF, CA
[72] DUFFET, JOHN DOUGLAS, CA
[71] NINE POINT EIGHT INC., CA
[22] 2021-05-26
[41] 2021-11-27
[30] US (63/030,432) 2020-05-27

[21] **3,119,636**
[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/08 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURING FLOW CONTROL DEVICE AGAINST A PIPE**
[54] **SYSTEME ET METHODE POUR FIXER UN DISPOSITIF DE COMMANDE DE DEBIT SUR UN TUYAU**
[72] HEUKELMAN, HERMAN, CA
[72] PORTTIN, NOLAN, CA
[71] RGL RESERVOIR MANAGEMENT INC., CA
[22] 2021-05-26
[41] 2021-11-26
[30] US (62/704,738) 2020-05-26

[21] **3,119,637**
[13] A1
[51] **Int.Cl. H02G 3/04 (2006.01) H02G 3/18 (2006.01) E04B 5/48 (2006.01)**
[25] EN
[54] **MODULAR FLOOR BOX ASSEMBLY**
[54] **ASSEMBLAGE DE BOITE DE PARQUET MODULAIRE**
[72] MARTIN, MICHAEL D., US
[72] O'NEIL, MICHAEL DEVIN, US
[72] TAYLOR, PHILIP, US
[71] ABB SCHWEIZ AG, CH
[22] 2021-05-26
[41] 2021-11-26
[30] US (63/029,824) 2020-05-26
[30] US (17/320,440) 2021-05-14

[21] **3,119,668**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01) B60R 22/26 (2006.01)**
[25] EN
[54] **SAFETY BELT FASTENING DEVICE AND CHILD SAFETY SEAT THEREWITH**
[54] **DISPOSITIF D`ATTACHE DE CEINTURE DE SECURITE ET SIEGE DE SECURITE POUR ENFANT CONNEXE**
[72] ZHAO, GUANGHUI, CN
[71] CHINA WONDERLAND NURSERYGOODS CO., LTD., CN
[22] 2021-05-26
[41] 2021-11-26
[30] CN (202020915476.9) 2020-05-26

[21] **3,119,747**
[13] A1
[51] **Int.Cl. G02C 7/08 (2006.01) G02B 25/00 (2006.01) G02C 11/00 (2006.01)**
[25] EN
[54] **LOUPE HAVING ENHANCED SHIELDING**
[54] **LOUPE A PROTECTION AMELIOREE**
[72] VAN ORSOW, ALEX, US
[72] STUKAS, KAYLEE, US
[72] JANARDHANAM, RAMESH, US
[72] LEITERMAN, TOM, US
[71] KERR CORPORATION, US
[22] 2021-05-27
[41] 2021-11-27
[30] US (63/030,868) 2020-05-27

[21] **3,119,757**
[13] A1
[51] **Int.Cl. G06N 3/02 (2006.01)**
[25] EN
[54] **SENSOR SYSTEMS AND METHODS FOR FACILITY OPERATION MANAGEMENT**
[54] **SYSTEMES ET METHODES DE CAPTEUR POUR LA GESTION DE L`EXPLOITATION D`UNE INSTALLATION**
[72] GRANEK, JUSTIN, CA
[72] HOLTHAM, ELLIOT, CA
[71] PATRIOTONE TECHNOLOGIES, CA
[22] 2021-05-26
[41] 2021-11-26
[30] US (63/029,983) 2020-05-26

[21] **3,119,788**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **ROTARY TOP ROD AND SAFETY SEAT**
[54] **TIGE SUPERIEURE ROTATIVE ET SIEGE DE SECURITE**
[72] XIAO, XIAOHONG, CN
[71] WONDERLAND SWITZERLAND AG, CH
[22] 2021-05-26
[41] 2021-11-26
[30] CN (2020104587000) 2020-05-26

[21] **3,119,804**
[13] A1
[51] **Int.Cl. H02B 5/01 (2006.01) H01H 33/66 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **DISTRIBUTION GROUNDING SWITCH TO SUPPORT DISTRIBUTED ENERGY RESOURCES**
[54] **SECTIONNEUR DE TERRE DE DISTRIBUTION POUR SOUTENIR LES RESSOURCES D'ENERGIE DISTRIBUEES**
[72] MONTICH, EDUARDO, US
[71] EMA ELECTROMECHANICS, INC., US
[22] 2021-05-26
[41] 2021-11-27
[30] US (16/884673) 2020-05-27

---

[21] **3,119,815**
[13] A1
[51] **Int.Cl. A45F 5/00 (2006.01)**
[25] EN
[54] **PORTABLE HAND SANITIZING SYSTEM IN A FANNY PACK**
[54] **SYSTEME DE DESINFECTION DES MAINS DANS UN SAC BANANE**
[72] BORDELEAU, SIMON, CA
[71] BORDELEAU, SIMON, CA
[22] 2021-05-27
[41] 2021-11-27
[30] GB (2007939.8) 2020-05-27

---

[21] **3,119,894**
[13] A1
[51] **Int.Cl. A62C 35/68 (2006.01) F16L 53/30 (2018.01) A62C 35/62 (2006.01) F16L 55/07 (2006.01) F16L 55/09 (2006.01) F16L 55/24 (2006.01)**
[25] EN
[54] **A SYSTEM FOR MAINTAINING INTEGRITY OF A DRY PIPE SYSTEM WITH HEATED CABINET AND FLOW RESTRICTOR VALVE**
[54] **SYSTEME POUR MAINTENIR L'INTEGRITE D'UN SYSTEME DE TUYAU SECHEUR AVEC UNE ARMOIRE CHAUFFEE ET UNE SOUPAPE DE REDUCTION DE DEBIT**
[72] GLEESON, BENTLEY F., US
[72] FERRUCCI, MICHAEL B., US
[72] MCHUGH, GEORGE J., IV, US
[72] MCHUGH, JAMES P., US
[71] AGF MANUFACTURING INC., US
[22] 2021-05-27
[41] 2021-11-27
[30] US (16/884281) 2020-05-27

---

[21] **3,119,930**
[13] A1
[51] **Int.Cl. A01D 7/00 (2006.01) A01D 57/12 (2006.01)**
[25] EN
[54] **RAKE FRAME WITH HINGE JOINT CONNECTING FRONT AND REAR FRAME SECTIONS**
[54] **CHASSIS DE RATEAU COMPORTANT UN JOINT DE CHARNIERE RACCORDANT DES SECTIONS AVANT ET ARRIERE DU CHASSIS**
[72] MOHR, CALVIN, US
[71] OGDEN METALWORKS, INC, US
[22] 2021-05-27
[41] 2021-11-27
[30] US (63/030,394) 2020-05-27

---

[21] **3,120,120**
[13] A1
[51] **Int.Cl. C22C 19/05 (2006.01) B22F 9/08 (2006.01) C22C 1/02 (2006.01) C22C 30/00 (2006.01) C22F 1/10 (2006.01) C22F 1/16 (2006.01)**
[25] EN
[54] **NI-BASED ALLOY, AND NI-BASED ALLOY PRODUCT AND METHODS FOR PRODUCING THE SAME**
[54] **ALLIAGE A BASE DE NI, PRODUIT D`ALLIAGE A BASE DE NI ET METHODES DE PRODUCTION**
[72] SUGIYAMA, KENJI, JP
[72] NAGAYA, MASASHI, JP
[72] KUSAFUKA, YUSUKE, JP
[72] KOYANAGI, YOSHIHIKO, JP
[72] TAKABAYASHI, HIROYUKI, JP
[71] DAIDO STEEL CO., LTD., JP
[22] 2021-05-25
[41] 2021-11-26
[30] JP (2020-091747) 2020-05-26

---

[21] **3,120,143**
[13] A1
[51] **Int.Cl. G08G 1/017 (2006.01) G01M 17/013 (2006.01) G08G 1/04 (2006.01) G07B 15/02 (2011.01)**
[25] EN
[54] **SIDE VIEW CAMERA DETECTING WHEELS**
[54] **CAMERA DE VUE LATERALE POUR DETECTER LES ROUES**
[72] CRONA, BJORN, SE
[72] KARLSTROM, CHRISTIAN, SE
[72] VAN BERGEN, EMILE, SE
[72] LIUNGVALL, SIMON, SE
[72] BORJESSON, SIMON, SE
[71] KAPSCH TRAFFICCOM AG, AT
[22] 2021-05-14
[41] 2021-11-22
[30] EP (20 176 003.0) 2020-05-22

[21] **3,122,833**
[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01)**
[25] EN
[54] **SWEEPING BLADE DEVICE AND SWEEPING BLADE ASSEMBLY FOR A VEHICLE**
[54] **DISPOSITIF DE LAME DE BALAYAGE ET ASSEMBLAGE DE LAME DE BALAYAGE POUR UN VEHICULE**
[72] MICHEL, HUGO, CA
[72] NEMETH, ZOLTAN, CA
[71] USINAGE PRO24 INC., CA
[22] 2021-06-22
[41] 2021-11-22
[30] US (63/052.509) 2020-07-16

---

[21] **3,130,499**
[13] A1
[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
[71] SOLUCIONES QUIMICAS INTEGRADAS ARCARAN, S.A. DE C.V., MX
[22] 2021-09-13
[41] 2021-11-23
[30] MX (MX/A2021/004673) 2021-04-22

---

[21] **3,130,512**
[13] A1
[51] **Int.Cl. B27B 31/00 (2006.01) B27B 17/00 (2006.01) B65G 7/00 (2006.01) B66F 15/00 (2006.01)**
[25] EN
[54] **TIMBER JACK WITH ARCUATE FULCRUM**
[54] **WAGONNET POUR TRONC A POINT D'APPUI ARQUE**
[72] LUSTY, ROBERT H., US
[72] OBERG, JAMES D., US
[71] BAC INDUSTRIES, INC., US
[22] 2021-09-13
[41] 2021-11-24

---

[21] **3,132,549**
[13] A1
[51] **Int.Cl. F16J 13/16 (2006.01) F16L 55/115 (2006.01)**
[25] EN
[54] **CLOSURE FOR PRESSURE VESSEL OR PIPELINE**
[54] **FERMETURE POUR UN RECIPIENT SOUS PRESSION OU UN PIPELINE**
[72] KOZAK, KEITH ALAN, CA
[71] IN-LINE FLOW PRODUCTS LTD., CA
[22] 2020-05-23
[41] 2021-11-23
[62] 3,081,278

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **3,120,575**
[13] A1
[51] **Int.Cl. B29C 64/153 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 40/00 (2020.01) B22F 10/28 (2021.01) B22F 10/32 (2021.01) B22F 10/50 (2021.01) B22F 12/17 (2021.01) B22F 12/70 (2021.01) B28B 19/00 (2006.01)**
[25] EN
[54] **HIGH TEMPERATURE, HIGH PRESSURE, POWDER-BASED, 3D PRINTED OBJECT MANUFACTURING**
[54] **FABRICATION D'OBJETS PAR IMPRESSION 3D A BASE DE POUDRE, A HAUTE PRESSION ET A TEMPERATURE ELEVEE**
[72] MISSOUT, ANTOINE, CA
[71] KILNCORE INC., CA
[85] 2021-06-17
[86] 2021-04-29 (PCT/CA2021/050598)
[87] (3120575)
[30] CA (63028272) 2020-05-21

[21] **3,122,008**
[13] A1
[51] **Int.Cl. B29B 17/00 (2006.01) A62D 3/34 (2007.01) A62D 3/40 (2007.01)**
[25] EN
[54] **PROCESS FOR RECYCLING CONTAMINATED SOLID MATERIALS AND PURIFICATION OF GASES**
[54] **PROCEDE POUR RECYCLER DES MATIERES SOLIDES CONTAMINEES ET L'EPURATION DEGAZ**
[72] FARAG, SHERIF, CA
[72] ATTIA, MAI, CA
[71] GREENOVEL INC., CA
[85] 2021-06-11
[86] 2021-05-25 (PCT/CA2021/050700)
[87] (3122008)
[30] CA (63/029,693) 2020-05-25

[21] **3,123,143**
[13] A1
[51] **Int.Cl. A47K 3/34 (2006.01) E05D 15/06 (2006.01) E06B 3/46 (2006.01)**
[25] EN
[54] **HIDDEN SHOWER DOOR WITH LOW-RAIL SLIDING ASSEMBLY**
[54] **PORTE DE DOUCHE CACHEE AVEC ENSEMBLE COULISSANT DE RAIL BAS**
[72] WEI, WUXIANG, CN
[71] IDEAL SANITARY WARE CO., LTD., CN
[85] 2021-07-23
[86] 2020-06-08 (PCT/CN2020/094921)
[87] (3123143)
[30] CN (202010454505.0) 2020-05-26

[21] **3,128,922**
[13] A1
[51] **Int.Cl. C07K 14/605 (2006.01) A61K 38/26 (2006.01) A61K 38/28 (2006.01) A61P 3/08 (2006.01)**
[25] EN
[54] **GLUCAGON ANALOG AGONISTS AND METHODS OF USING THE SAME**
[54] **AGONISTES ANALOGIQUES DU GLUCAGON ET LEURS PROCEDES D'UTILISATION**
[72] ALSINA-FERNANDEZ, JORGE, US
[72] COSKUN, TAMER, US
[72] GEISER, ANDREA RENEE, US
[71] ELI LILLY AND COMPANY, US
[85] 2021-07-30
[86] 2020-01-29 (PCT/US2020/015539)
[87] (WO2020/163125)
[30] US (62/801,344) 2019-02-05

[21] **3,130,238**
[13] A1
[51] **Int.Cl. B28B 11/24 (2006.01) B28B 11/08 (2006.01) C04B 40/02 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING CARBONATED PRECAST CONCRETE PRODUCTS WITH ENHANCED DURABILITY**
[54] **METHODE DE FABRICATION DE PRODUITS DE BETON PREFABRIQUE CHARBONNE A DURABILITE AMELIOREE**
[72] QI, HUCHENG, CA
[72] MAHOUTIAN, MEHRDAD, CA
[72] HOGE, KARMEN, CA
[71] CARBICRETE INC., CA
[85] 2021-09-02
[86] 2021-04-20 (PCT/CA2021/050533)
[87] (3130238)
[30] US (63/034,037) 2020-06-03

[21] **3,133,730**
[13] A1
[51] **Int.Cl. B23K 26/082 (2014.01) B23K 26/0622 (2014.01) B23K 26/352 (2014.01) B23K 26/08 (2014.01)**
[25] FR
[54] **METHOD FOR CREATING AN IRIDESCENT VISUAL EFFECT ON THE SURFACE OF A MATERIAL, DEVICES FOR CARRYING OUT SAID METHOD, AND PART OBTAINED THEREBY**
[54] **PROCEDE DE REALISATION D'UN EFFET VISUEL D'IRISATION SUR LA SURFACE D'UN MATERIAU, DISPOSITIFS POUR SA MISE EN OEUVRE ET PIECE AINSI OBTENUE**
[72] GUILLOTTE, ISMAEL, FR
[72] LATOUCHE, BAPTISTE, FR
[72] LOPES, MARCOS VINICIUS, FR
[72] DAMASSE, JEAN-MICHEL, FR
[72] DIET, FRANCIS, FR
[71] APERAM, LU
[85] 2021-10-14
[86] 2019-04-16 (PCT/IB2019/053122)
[87] (WO2020/212729)

[21] **3,133,733**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61P 17/06 (2006.01)**
[25] EN
[54] **COMPOUND FOR TREATING AUTOIMMUNE SKIN DISEASES CAUSED BY INFLAMMATION, AND USE THEREOF**
[54] **COMPOSE POUR LE TRAITEMENT DE MALADIES CUTANEES AUTO-IMMUNES CAUSEES PAR UNE INFLAMMATION, ET SON UTILISATION**
[72] FU, XIN-YUAN, CN
[72] LUFEI, CHENGCHEN, CN
[72] LIU, XINYU, CN
[72] ZHOU, YI, CN
[71] GENEROS BIOPHARMA LTD., CN
[85] 2021-10-14
[86] 2020-04-30 (PCT/CN2020/088285)
[87] (WO2020/221347)
[30] CN (201910366891.5) 2019-04-30

[21] **3,133,779**
[13] A1
[51] **Int.Cl. C12N 5/07 (2010.01) C12N 1/04 (2006.01)**
[25] EN
[54] **TREHALOSE-CONTAINING LIQUID FOR MAMMALIAN CELL PRESERVATION**
[54] **LIQUIDE CONTENANT DU TREHALOSE POUR LA CONSERVATION DE CELLULES DE MAMMIFERE**
[72] HASHIMOTO, KAZUMASA, JP
[72] NISHIMURA, MASUHIRO, JP
[72] FUJITA, YASUTAKA, JP
[72] TADA, AKIHIRO, JP
[72] TSUBAKIYAMA, RYOHEI, JP
[72] ONODERA, KYOKA, JP
[72] NOMURA, YOSHIKI, JP
[72] SHIRAKAWA, CHIKAGE, JP
[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
[85] 2021-10-15
[86] 2020-04-24 (PCT/JP2020/017586)
[87] (WO2020/218461)
[30] JP (2019-085499) 2019-04-26

[21] **3,133,791**
[13] A1
[51] **Int.Cl. A61M 60/205 (2021.01) A61M 60/135 (2021.01) A61M 60/857 (2021.01)**
[25] EN
[54] **VARIABLE-STIFFNESS DISTAL EXTENSION FOR A BLOOD PUMP SYSTEM**
[54] **EXTENSION DISTALE A RIGIDITE VARIABLE POUR SYSTEME DE POMPE A SANG**
[72] SHIP, ALEXANDER, US
[72] TAO, ZENGHONG, US
[71] ABIOMED, INC., US
[85] 2021-10-15
[86] 2020-04-17 (PCT/US2020/028751)
[87] (WO2020/214943)
[30] US (62/835,636) 2019-04-18

[21] **3,133,810**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61M 3/02 (2006.01) A61M 25/00 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **LAPAROSCOPIC FLEXIBLE SUCTION DEVICE AND ASSOCIATED METHODOLOGY**
[54] **DISPOSITIF LAPAROSCOPIQUE SOUPLE D'ASPIRATION ET METHODOLOGIE ASSOCIEE**
[72] NOVELL, ROBERT F., US
[71] FIFTH ARM SURGICAL, LLC, US
[85] 2021-10-15
[86] 2019-10-09 (PCT/US2019/055373)
[87] (WO2020/214204)
[30] US (16/388,244) 2019-04-18

[21] **3,133,843**
[13] A1
[51] **Int.Cl. C08J 7/12 (2006.01)**
[25] FR
[54] **METHOD FOR SURFACE FUNCTIONALISATION IN A SUPERCRITICAL FLUID MEDIUM**
[54] **PROCEDE DE FONCTIONNALISATION DE SURFACE EN MILIEU FLUIDE SUPERCRITIQUE**
[72] PONCELET, OLIVIER, FR
[72] BLANCHOT, OLIVIER, FR
[72] DELMAS, JEROME, FR
[72] RENARD, OLIVIER, FR
[72] ROUGEAUX, ISABELLE, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2021-10-15
[86] 2020-04-14 (PCT/EP2020/060427)
[87] (WO2020/212328)
[30] FR (FR1904061) 2019-04-16

[21] **3,133,871**
[13] A1
[51] **Int.Cl. B22F 7/06 (2006.01) B22D 19/02 (2006.01) C22C 1/10 (2006.01) C22C 29/08 (2006.01)**
[25] EN
[54] **COMPOSITE MATERIAL BASED ON ALLOYS, MANUFACTURED IN SITU, REINFORCED WITH TUNGSTEN CARBIDE AND METHODS OF ITS PRODUCTION**
[54] **MATERIAU COMPOSITE A BASE D'ALLIAGES, FABRIQUE IN SITU, RENFORCE PAR DU CARBURE DE TUNGSTENE ET PROCEDES DE PRODUCTION DE CELUI-CI**
[72] OLEJNIK, EWA, PL
[71] INNERCO SP. Z O.O,, PL
[85] 2021-10-15
[86] 2019-04-30 (PCT/PL2019/050028)
[87] (WO2020/222662)

[21] **3,133,872**
[13] A1
[51] **Int.Cl. A61M 39/02 (2006.01) A61M 60/135 (2021.01) A61M 60/205 (2021.01) A61M 60/857 (2021.01) A61B 17/34 (2006.01)**
[25] EN
[54] **VARIABLE SIZE REPOSITIONING SHEATH**
[54] **GAINE DE REPOSITIONNEMENT DE TAILLE VARIABLE**
[72] FANTUZZI, GLEN, US
[72] KORKUCH, CHRISTOPHER, US
[72] HASTIE, CAITLYN, US
[72] FISHMAN, ROBERT, US
[72] ASHOK, AKSHAY, US
[72] MODLISH, JOHN, US
[71] ABIOMED, INC., US
[85] 2021-10-15
[86] 2020-04-21 (PCT/US2020/029089)
[87] (WO2020/219430)
[30] US (62/836,960) 2019-04-22

[21] **3,133,873**
[13] A1
[25] EN
[54] **MESSAGING SELECTION SYSTEMS IN NETWORKED ENVIRONMENTS**
[54] **SYSTEMES DE SELECTION DE MESSAGERIE DANS DES ENVIRONNEMENTS EN RESEAU**
[72] GAO, ADAM, US
[72] NG, MICHAEL BRANDON, US
[72] JORDAN, CHRISTOPHER MARK, US
[72] GAO, VICTOR, US
[72] BERGER, ADAM, US
[71] CLICK THERAPEUTICS, INC., US
[85] 2021-10-15
[86] 2020-04-16 (PCT/US2020/028527)
[87] (WO2020/214815)
[30] US (62/835,267) 2019-04-17
[30] US (62/835,271) 2019-04-17

[21] **3,133,883**
[13] A1
[51] **Int.Cl. F24F 3/14 (2006.01)**
[25] EN
[54] **STATIC DRYER**
[54] **SECHOIR STATIQUE**
[72] HELLEMANS, GEERT, BE
[72] CREPAIN, THIBAULT, BE
[72] VAN NEDERKASSEL, FREDERIK, BE
[71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[85] 2021-10-15
[86] 2019-09-12 (PCT/IB2019/057707)
[87] (WO2020/250028)
[30] BE (BE20195382) 2019-06-13

[21] **3,133,889**
[13] A1
[25] EN
[54] **COMPOSITIONS USEFUL IN TREATMENT OF RETT SYNDROME**
[54] **COMPOSITIONS UTILES DANS LE TRAITEMENT DU SYNDROME DE RETT**
[72] WILSON, JAMES M., US
[72] SCHMID, RALF, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2021-10-15
[86] 2020-04-23 (PCT/US2020/029642)
[87] (WO2020/219766)
[30] US (62/837,947) 2019-04-24

[21] **3,133,898**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ACTIVATABLE THERAPEUTIC MULTISPECIFIC POLYPEPTIDES WITH EXTENDED HALF-LIFE**
[54] **POLYPEPTIDES THERAPEUTIQUES MULTISPECIFIQUES ACTIVABLES A DEMI-VIE PROLONGEE**
[72] BRINKMANN, ULRICH, DE
[72] DICKOPF, STEFFEN, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2021-10-15
[86] 2020-04-24 (PCT/EP2020/061420)
[87] (WO2020/216883)
[30] EP (19171070.6) 2019-04-25

[21] **3,133,909**
[13] A1
[51] **Int.Cl. A61P 25/28 (2006.01)**
[25] EN
[54] **NOVEL MOLECULES FOR THERAPY AND DIAGNOSIS**
[54] **NOUVELLES MOLECULES POUR LA THERAPIE ET LE DIAGNOSTIC**
[72] TSIKA, ELPIDA, CH
[72] WARNER, JOHN, CH
[72] OLLIER, ROMAIN CHRISTIAN, CH
[72] STOHR, JAN PETER HENNING, CH
[71] AC IMMUNE SA, CH
[85] 2021-10-15
[86] 2020-04-17 (PCT/EP2020/060898)
[87] (WO2020/212593)
[30] EP (19170207.5) 2019-04-18
[30] EP (19207105.8) 2019-11-05
[30] EP (20165055.3) 2020-03-23

[21] **3,133,911**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RANDOM ACCESS PROCEDURE**
[54] **PROCEDE ET APPAREIL POUR PROCEDURE D'ACCES ALEATOIRE**
[72] DAI, JIANQIANG, CN
[72] TIAN, LI, CN
[71] ZTE CORPORATION, CN
[85] 2021-10-15
[86] 2019-04-18 (PCT/CN2019/083288)
[87] (WO2020/211050)

[21] **3,133,912**
[13] A1
[51] **Int.Cl. A61K 31/4545 (2006.01) A61P 25/06 (2006.01)**
[25] EN
[54] **CGRP ANTAGONISTS FOR THE TREATMENT OF MEDICATION OVERUSE HEADACHE, POST-TRAUMATIC HEADACHE, POST-CONCUSSION SYNDROME AND VERTIGO**
[54] **ANTAGONISTES DU CGRP POUR LE TRAITEMENT DE MAUX DE TETE LIES A UN ABUS DE MEDICAMENTS, DE MAUX DE TETE POST-TRAUMATIQUES, DE SYNDROME POST-COMMOTION ET DE VERTIGE**
[72] BRIN, MITCHELL F., US
[72] BLUMENFELD, ANDREW M., US
[71] ALLERGAN SALES, LLC, US
[85] 2021-10-15
[86] 2020-04-17 (PCT/US2020/028666)
[87] (WO2020/214906)
[30] US (62/835,591) 2019-04-18

[21] **3,133,916**
[13] A1
[51] **Int.Cl. B42D 25/351 (2014.01) G06F 21/86 (2013.01)**
[25] EN
[54] **SECURITY DOCUMENT WITH DOUBLE VERIFICATION LENSES**
[54] **DOCUMENT DE SECURITE A DOUBLES LENTILLES DE VERIFICATION**
[72] KASKIALA, TONI, FR
[71] THALES DIS FRANCE SA, FR
[85] 2021-10-15
[86] 2020-04-08 (PCT/EP2020/060049)
[87] (WO2020/212230)
[30] EP (19305511.8) 2019-04-18

[21] **3,133,917**
[13] A1
[51] **Int.Cl. G06F 11/263 (2006.01) G06J 1/00 (2006.01)**
[25] EN
[54] **SIMULATING ERRORS OF A QUANTUM DEVICE USING VARIATIONAL QUANTUM CHANNELS**
[54] **SIMULATION D'ERREURS D'UN DISPOSITIF QUANTIQUE A L'AIDE DE CANAUX QUANTIQUES VARIATIONNELS**
[72] AMARA, KATABARWA, US
[71] ZAPATA COMPUTING, INC., US
[85] 2021-10-15
[86] 2020-04-17 (PCT/US2020/028670)
[87] (WO2020/214910)
[30] US (62/836,451) 2019-04-19

[21] **3,133,918**
[13] A1
[51] **Int.Cl. H04B 10/516 (2013.01) H04L 9/16 (2006.01)**
[25] EN
[54] **TRANSMITTING ENCODED DATA ALONG TRANSMISSION MEDIUMS BASED ON COLORSPACE SCHEMES**
[54] **TRANSMISSION DE DONNEES CODEES LE LONG DE SUPPORTS DE TRANSMISSION SUR LA BASE DE PROCEDES D'ESPACE COLORIMETRIQUE**
[72] WALTERS, AUSTIN GRANT, US
[72] GOODSITT, JEREMY EDWARD, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2021-10-15
[86] 2020-04-08 (PCT/US2020/027220)
[87] (WO2020/214464)
[30] US (16/388,398) 2019-04-18

[21] **3,133,919**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01) G02B 6/036 (2006.01)**
[25] EN
[54] **FOAM FOR OPTICAL FIBER CABLE, COMPOSITION, AND METHOD OF MANUFACTURING**
[54] **MOUSSE POUR CABLE A FIBRES OPTIQUES, COMPOSITION ET PROCEDE DE FABRICATION**
[72] ADAMS, RYAN THOMAS, US
[72] BLAZER, BRADLEY JEROME, US
[72] BRINGUIER, ANNE GERMAINE, US
[72] CHENG, XIAOLE, US
[72] CHERNYKH, SERGEY VLADIMIROVICH, US
[72] JACKS, JOHN RICHARD, US
[72] SISTARE, REBECCA ELIZABETH, US
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2021-10-15
[86] 2020-04-20 (PCT/US2020/028918)
[87] (WO2020/215052)
[30] US (62/835,688) 2019-04-18

[21] **3,133,924**
[13] A1
[51] **Int.Cl. G06T 7/292 (2017.01) G06N 3/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DEEP LEARNING-BASED SUBJECT PERSISTENCE**
[54] **SYSTEMES ET PROCEDES DE PERSISTANCE DE SUJET BASEE SUR UN APPRENTISSAGE PROFOND**
[72] FISHER, JORDAN E., US
[71] STANDARD COGNITION, CORP., US
[85] 2021-10-15
[86] 2020-04-16 (PCT/US2020/028454)
[87] (WO2020/214775)
[30] US (16/388,765) 2019-04-18

[21] **3,133,929**
[13] A1
[51] **Int.Cl. C07D 207/08 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS AND METHODS OF PRODUCING CRYSTALLINE FORMS OF A COMPOUND**
[54] **FORMES CRISTALLINES ET PROCEDES DE PRODUCTION DE FORMES CRISTALLINES D'UN COMPOSE**
[72] ZHI, LIN, US
[72] SASMOR, HENRI, US
[71] LIGAND PHARMACEUTICALS INC., US
[85] 2021-10-15
[86] 2020-04-16 (PCT/US2020/028550)
[87] (WO2020/214834)
[30] US (62/836,517) 2019-04-19

[21] **3,133,932**
[13] A1
[51] **Int.Cl. C12Q 1/6844 (2018.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR ISOTHERMAL DNA AMPLIFICATION**
[54] **PROCEDES ET COMPOSITIONS POUR L'AMPLIFICATION ISOTHERMIQUE DU GENOME COMPLET**
[72] ZONDAG, GERBEN CAROLUS MARTINUS, NL
[72] TEUNISSE, BRAM JOHANNES, NL
[72] PAOLINI, NAHUEL ALEJANDRO, NL
[71] SYNVOLUX IP B.V., NL
[85] 2021-10-15
[86] 2020-04-23 (PCT/NL2020/050261)
[87] (WO2020/218924)
[30] NL (2022993) 2019-04-23

[21] **3,133,934**
[13] A1
[51] **Int.Cl. A61B 1/07 (2006.01) A61B 1/00 (2006.01) A61B 1/04 (2006.01) A61B 1/06 (2006.01)**
[25] EN
[54] **FIELD STOP FLUORESCENT INDICATOR SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'INDICATEUR FLUORESCENT D'ARRET DE CHAMP**
[72] STEINER, MICHAEL, US
[71] ARTHREX, INC., US
[85] 2021-10-15
[86] 2020-04-23 (PCT/US2020/029568)
[87] (WO2020/219709)
[30] US (16/391,966) 2019-04-23

[21] **3,134,161**
[13] A1
[25] FR
[54] **ARRANGEMENT FOR SECURING A PANEL IN A RAIL BY TIGHTENING OUTER WEDGES FROM AN INNER SIDE OF THE PANEL**
[54] **AGENCEMENT POUR LA FIXATION D'UN PANNEAU DANS UN RAIL PAR SERRAGE DE COINS EXTERIEURS DEPUIS UN COTE INTERIEUR DU PANNEAU**
[72] GIACOMETTI, SYLVIANE, FR
[72] CHAPEL, ROMAIN, FR
[72] ROUIF, LEANDRE, FR
[71] SB INGENIERIE, FR
[85] 2021-10-18
[86] 2020-05-25 (PCT/EP2020/064396)
[87] (WO2020/239670)
[30] FR (FR1905808) 2019-05-31

[21] **3,134,194**
[13] A1
[51] **Int.Cl. B01D 15/36 (2006.01) A61K 36/48 (2006.01) C07C 41/36 (2006.01)**
[25] EN
[54] **PROCESS FOR THE SEPARATION OF PINITOL FROM A CAROB EXTRACT**
[54] **PROCESSUS POUR LA SEPARATION DU PINITOL A PARTIR D'UN EXTRAIT DE CAROUBE**
[72] AMATO, ANDREA, IT
[71] BONO & DITTA S.P.A., IT
[85] 2021-10-18
[86] 2020-04-30 (PCT/IB2020/054084)
[87] (WO2020/225665)
[30] IT (102019000006530) 2019-05-03

[21] **3,134,208**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) G06Q 40/06 (2012.01)**
[25] EN
[54] **AIRCRAFT, SATELLITE, SPACECRAFT, TECHNOLOGY, INFRASTRUCTURE, AND RESOURCE INVESTMENT MANAGEMENT SYSTEM, SERVER AND METHOD**
[54] **AERONEF, SATELLITE, ENGIN SPATIAL, TECHNOLOGIE, INFRASTRUCTURE ET SYSTEME, SERVEUR ET PROCEDE DE GESTION D'INVESTISSEMENT DE RESSOURCES**
[72] HASAN, TARIQ SYED, US
[71] O3 WORLDWIDE, INC., US
[85] 2021-10-18
[86] 2020-04-22 (PCT/US2020/029288)
[87] (WO2020/219528)
[30] US (62/837,007) 2019-04-22

[21] **3,134,214**
[13] A1
[51] **Int.Cl. C07D 403/04 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **CYCLEN BASED COMPOUNDS, COORDINATION COMPOUNDS, PEPTIDES, PHARMACEUTICAL PREPARATION, AND USE THEREOF**
[54] **COMPOSES A BASE DE CYCLENE, COMPOSES DE COORDINATION, PEPTIDES, PREPARATION PHARMACEUTIQUE ET LEUR UTILISATION**
[72] POLASEK, MILOSLAV, CZ
[72] KRETSCHMER, JAN, CZ
[71] USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR, V.V.I., CZ
[85] 2021-10-18
[86] 2020-05-27 (PCT/CZ2020/050032)
[87] (WO2020/259726)
[30] EP (19182286.5) 2019-06-25

[21] **3,134,254**
[13] A1
[51] **Int.Cl. B65D 47/18 (2006.01) A61F 9/00 (2006.01) B65D 47/24 (2006.01) B65D 83/54 (2006.01)**
[25] EN
[54] **DEVICE SUITABLE FOR DISPENSING LIQUID SUBSTANCES**
[54] **DISPOSITIF CONVENANT POUR LA DISTRIBUTION DE SUBSTANCES LIQUIDES**
[72] NIETO CAVIA, LAURA, ES
[71] BRILL ENGINES, S.L., ES
[85] 2021-10-18
[86] 2020-04-22 (PCT/ES2020/070254)
[87] (WO2020/229713)
[30] EP (19382382.0) 2019-05-16

[21] **3,134,267**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/07 (2013.01)**
[25] EN
[54] **VALVED CONDUIT WITH EXPANDABLE FRAME**
[54] **CONDUIT A VALVE AVEC CADRE EXTENSIBLE**
[72] COLAVITO, KYLE W., US
[72] SHEPARD, MICHAEL J., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2021-10-18
[86] 2020-05-06 (PCT/US2020/031597)
[87] (WO2020/227359)
[30] US (62/843,911) 2019-05-06

[21] **3,134,273**
[13] A1
[51] **Int.Cl. B01D 15/18 (2006.01) B01J 20/18 (2006.01) C07H 1/08 (2006.01) C07H 3/02 (2006.01)**
[25] FR
[54] **LIQUID PHASE SEPARATION OF SECOND-GENERATION SUGARS BY ADSORPTION ON FAU ZEOLITE HAVING A SI/AL ATOMIC RATIO OF LESS THAN 1.5**
[54] **SEPARATION EN PHASE LIQUIDE DES SUCRES DE DEUXIEME GENERATION PAR ADSORPTION SUR ZEOLITHE DE TYPE FAU DE RATIO ATOMIQUE SI/AL INFERIEUR A 1,5**
[72] LAROCHE, CATHERINE, FR
[72] MANKO, MARIA, FR
[72] BRACCO, EMMANUELLE, FR
[71] IFP ENERGIES NOUVELLES, FR
[85] 2021-10-18
[86] 2020-06-11 (PCT/EP2020/066156)
[87] (WO2020/260028)
[30] FR (FR1907092) 2019-06-28

[21] **3,134,281**
[13] A1
[51] **Int.Cl. H04B 7/0413 (2017.01) H04W 72/12 (2009.01) H04B 17/309 (2015.01) H04B 7/022 (2017.01) H04B 7/0456 (2017.01)**
[25] EN
[54] **USER EQUIPMENT SELECTION**
[54] **SELECTION D'EQUIPEMENT UTILISATEUR**
[72] ZHAO, WANLUN, US
[72] CHEN, JINGHU, US
[72] KADOUS, TAMER ADEL, US
[72] FAN, MICHAEL MINGXI, US
[72] BLACK, PETER JOHN, US
[71] XCOM LABS, INC., US
[85] 2021-10-18
[86] 2020-04-22 (PCT/US2020/029378)
[87] (WO2020/223086)
[30] US (16/397,954) 2019-04-29
[30] US (16/397,958) 2019-04-29

[21] **3,134,282**
[13] A1
[51] **Int.Cl. H04B 7/0413 (2017.01) H04B 17/336 (2015.01) H04B 17/345 (2015.01) H04B 7/0456 (2017.01)**
[25] EN
[54] **ACTIVE SET MANAGEMENT FOR MULTIPLE-INPUT MULTIPLE-OUTPUT COMMUNICATIONS**
[54] **GESTION D'ENSEMBLE ACTIF POUR COMMUNICATIONS A ENTREES MULTIPLES ET SORTIES MULTIPLES**
[72] KADOUS, TAMER ADEL, US
[72] FAN, MICHAEL MINGXI, US
[71] XCOM LABS, INC., US
[85] 2021-10-18
[86] 2020-04-22 (PCT/US2020/029374)
[87] (WO2020/219585)
[30] US (16/395,753) 2019-04-26
[30] US (16/395,837) 2019-04-26

[21] **3,134,308**
[13] A1
[51] **Int.Cl. C07K 14/725 (2006.01)**
[25] EN
[54] **RITUXIMAB-RESISTANT CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF**
[54] **RECEPTEURS D'ANTIGENES CHIMERIQUES RESISTANT AU RITUXIMAB ET LEURS UTILISATIONS**
[72] PERTEL, THOMAS CHARLES, US
[72] SASU, BARBRA JOHNSON, US
[72] LEONARD, MARK W., US
[71] ALLOGENE THERAPEUTICS, INC., US
[85] 2021-10-19
[86] 2020-04-24 (PCT/US2020/029775)
[87] (WO2020/219848)
[30] US (62/839,455) 2019-04-26
[30] US (63/005,041) 2020-04-03

[21] **3,134,309**
[13] A1
[51] **Int.Cl. F04B 37/14 (2006.01) F04B 53/16 (2006.01)**
[25] EN
[54] **SOUND REDUCTION DEVICE FOR ROCKING PISTON PUMPS AND COMPRESSORS**
[54] **DISPOSITIF DE REDUCTION SONORE POUR POMPES ET COMPRESSEURS A PISTON OSCILLANT**
[72] KUNTZ, BRYAN, US
[72] SNYDER, JEREMY, US
[71] GAST MANUFACTURING, INC., US
[85] 2021-10-19
[86] 2020-04-29 (PCT/US2020/030390)
[87] (WO2020/223293)
[30] US (62/840,107) 2019-04-29

[21] **3,134,310**
[13] A1
[51] **Int.Cl. F02K 1/72 (2006.01) F02K 1/82 (2006.01) G10K 11/168 (2006.01) G10K 11/172 (2006.01)**
[25] FR
[54] **THRUST REVERSER CASCADE INCLUDING ACOUSTIC TREATMENT**
[54] **GRILLE D'INVERSEUR DE POUSSEE INCLUANT UN TRAITEMENT ACOUSTIQUE**
[72] JODET, NORMAN BRUNO ANDRE, FR
[72] GONZALEZ, JEREMY PAUL FRANCISCO, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2021-10-19
[86] 2020-04-03 (PCT/EP2020/059569)
[87] (WO2020/224889)
[30] FR (FR1904659) 2019-05-03

[21] **3,134,312**
[13] A1
[51] **Int.Cl. B41F 17/20 (2006.01) C08F 210/14 (2006.01) C08F 222/06 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **PRIMER COMPOSITION AND USE OF A PRIMER COMPOSITION FOR PREPARING AN OBJECT FOR PRINTING**
[54] **COMPOSITION DE PRIMAIRE ET UTILISATION D'UNE COMPOSITION DE PRIMAIRE POUR LA PREPARATION D'UN OBJET A IMPRIMER**
[72] BENTLEY, PHILIP GARETH, GB
[72] INGHAM, IAN PHILIP BUTLER, GB
[72] HALLS, JONATHAN JAMES MICHAEL, GB
[72] HAZLEWOOD, SHAUN CHRISTOPHER, GB
[72] SARSON, JONATHAN MICHAEL, GB
[72] WOODS, JEFFREY MARK, GB
[71] TONEJET LIMITED, GB
[85] 2021-10-19
[86] 2020-04-24 (PCT/GB2020/051020)
[87] (WO2020/217067)
[30] GB (PCT/GB2019/051172) 2019-04-26

[21] **3,134,313**
[13] A1
[51] **Int.Cl. A61K 39/42 (2006.01) A61P 31/18 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **METHODS OF IDENTIFYING HIV PATIENTS SENSITIVE TO THERAPY WITH GP120 V3 GLYCAN-DIRECTED ANTIBODIES**
[54] **PROCEDES D'IDENTIFICATION DE PATIENTS ATTEINTS DU VIH SENSIBLES A UNE THERAPIE AVEC DES ANTICORPS DIRIGES CONTRE LE GLYCANE V3 DE LA GP120**
[72] MOLDT, BRIAN, BE
[72] PACE, CRAIG S., US
[71] GILEAD SCIENCES, INC., US
[85] 2021-10-19
[86] 2020-05-18 (PCT/US2020/033470)
[87] (WO2020/236753)
[30] US (62/850,994) 2019-05-21

[21] **3,134,314**
[13] A1
[25] EN
[54] **PEN ASSEMBLY**
[54] **ENSEMBLE STYLO**
[72] LIMAYE, AMIT, US
[72] MANI, DIPUMON AYYANCHIRA, IN
[72] MEETHAL, PRAVEESH KARATTU, IN
[72] VIJAYACHANDRAN, SAJAYESH, IN
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2021-10-19
[86] 2019-04-26 (PCT/US2019/029329)
[87] (WO2020/219069)

[21] **3,134,315**
[13] A1
[51] **Int.Cl. B41F 17/20 (2006.01) C08F 210/14 (2006.01) C08F 222/06 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PREPARING A CYLINDRICAL OBJECT FOR DECORATING THEREON**
[54] **APPAREIL ET PROCEDE DE PREPARATION D'UN OBJET CYLINDRIQUE POUR SA DECORATION**
[72] BENTLEY, PHILIP GARETH, GB
[72] INGHAM, IAN PHILIP BUTLER, GB
[72] HALLS, JONATHAN JAMES MICHAEL, GB
[72] HAZLEWOOD, SHAUN CHRISTOPHER, GB
[72] SARSON, JONATHAN MICHAEL, GB
[72] WOODS, JEFFREY MARK, GB
[71] TONEJET LIMITED, GB
[85] 2021-10-19
[86] 2019-04-26 (PCT/GB2019/051172)
[87] (WO2020/217039)

[21] **3,134,318**
[13] A1
[51] **Int.Cl. G16B 5/00 (2019.01) G16B 40/00 (2019.01)**
[25] EN
[54] **DOWNSCALING PARAMETERS TO DESIGN EXPERIMENTS AND PLATE MODELS FOR MICRO-ORGANISMS AT SMALL SCALE TO IMPROVE PREDICTION OF PERFORMANCE AT LARGER SCALE**
[54] **REDUCTION D'ECHELLE DE PARAMETRES POUR CONCEVOIR DES EXPERIENCES ET MODELES DE PLAQUES POUR DES MICRO-ORGANISMES A PETITE ECHELLE POUR AMELIORER LA PREDICTION DES PERFORMANCES A U E PLUS GRANDE ECHELL**
[72] DE KOK, STEFAN, US
[72] ENYEART, PETER, US
[72] HANSEN, RICHARD, US
[72] HAUCK, TRENT, US
[72] HUMPHRIES, CRYSTAL, US
[72] LIEDER, SARAH, US
[72] SERBER, ZACHARIAH, US
[72] SHELLMAN, ERIN, US
[72] TAYLOR, AMELIA, US
[72] TREYNOR, THOMAS, US
[72] TYNER, KRISTINA, US
[71] ZYMERGEN INC., US
[85] 2021-10-19
[86] 2020-05-05 (PCT/US2020/031482)
[87] (WO2020/227299)
[30] US (62/844,975) 2019-05-08

[21] **3,134,319**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CD117 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CD117 ET LEURS UTILISATIONS**
[72] PALCHAUDHURI, RAHUL, US
[72] BOITANO, ANTHONY, US
[72] COOKE, MICHAEL, US
[72] PEARSE, BRADLEY R., US
[71] MAGENTA THERAPEUTICS, INC., US
[85] 2021-10-19
[86] 2020-04-23 (PCT/US2020/029648)
[87] (WO2020/219770)
[30] US (62/838,264) 2019-04-24
[30] US (62/841,733) 2019-05-01

[21] **3,134,322**
[13] A1
[51] **Int.Cl. A61B 50/30 (2016.01)**
[25] EN
[54] **PEN NEEDLE MAGAZINE**
[54] **CHARGEUR D'AIGUILLES DE STYLO INJECTEUR**
[72] LIMAYE, AMIT, US
[72] MANI, DIPUMON AYYANCHIRA, IN
[72] MEETHAL, PRAVEESH KARATTU, IN
[72] VIJAYACHANDRAN, SAJAYESH, IN
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2021-10-19
[86] 2019-04-26 (PCT/US2019/029321)
[87] (WO2020/219067)

[21] **3,134,323**
[13] A1
[25] EN
[54] **TOOL FOR REMOVING A FAN DISC FROM A MODULE**
[54] **OUTIL POUR DEPOSER UN DISQUE DE SOUFFLANTE D'UN MODULE**
[72] HELLARD, SYLVAIN PIERRE THEODORE, FR
[72] BARUA, TITU KUMAR, FR
[72] GUERARD, ERIC SERGE, FR
[72] LE MANER, YANNICK JEAN, FR
[72] PAGLIANO, FRANCOIS, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2021-10-19
[86] 2020-04-21 (PCT/FR2020/000142)
[87] (WO2020/217003)
[30] FR (1904463) 2019-04-26

[21] **3,134,325**
[13] A1
[51] **Int.Cl. F02C 3/067 (2006.01)**
[25] FR
[54] **IMPROVED ARCHITECTURE OF A TURBOMACHNE WITH COUNTER-ROTATING TURBINE**
[54] **ARCHITECTURE AMELIOREE DE TURBOMACHINE A TURBINE CONTRAROTATIVE**
[72] GALLET, FRANCOIS, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2021-10-19
[86] 2020-04-02 (PCT/EP2020/059453)
[87] (WO2020/221548)
[30] FR (FR1904590) 2019-04-30

[21] **3,134,326**
[13] A1
[51] **Int.Cl. B64C 23/02 (2006.01) B64C 11/00 (2006.01) B64D 27/00 (2006.01)**
[25] EN
[54] **FLIGHT PROPULSION SYSTEM BASED ON ROTARY AND STATIONARY DEVICES**
[54] **SYSTEME DE PROPULSION DE VOL BASE SUR DES DISPOSITIFS ROTATIFS ET STATIONNAIRES**
[72] HABIBNIA RAMI, MEHDI, PT
[72] FREIRE RODRIGUES, FREDERICO MIGUEL, PT
[72] PASCOA MARQUES, JOSE CARLOS, PT
[71] UNIVERSIDADE DA BEIRA INTERIOR, PT
[85] 2021-10-19
[86] 2020-06-24 (PCT/IB2020/055983)
[87] (WO2020/261149)
[30] PT (115598) 2019-06-25

[21] **3,134,327**
[13] A1
[51] **Int.Cl. G06F 21/51 (2013.01) G06F 21/64 (2013.01)**
[25] EN
[54] **WEBPAGE INTEGRITY MONITORING**
[54] **SURVEILLANCE D'INTEGRITE DE PAGE WEB**
[72] WILLIS, AARON, US
[71] SECURITYMETRICS, INC., US
[85] 2021-10-19
[86] 2020-05-07 (PCT/US2020/031815)
[87] (WO2020/231732)
[30] US (16/410,751) 2019-05-13

[21] **3,134,328**
[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01) A61B 50/30 (2016.01) A61F 9/007 (2006.01)**
[25] EN
[54] **AIOL DELIVERY SYSTEMS AND ASSOCIATED DEVICES AND METHODS**
[54] **SYSTEMES DE MISE EN PLACE D'AIOL AINSI QUE DISPOSITIFS ET METHODES ASSOCIES**
[72] RAQUET, JACOB, US
[72] ARGENTO, CLAUDIO, US
[72] SAUL, TOM, US
[72] PEREA, JUAN DIEGO, US
[72] CROWLEY, CORNELIUS MATTHEW, US
[72] BURTON, COOPER, US
[71] SHIFAMED HOLDINGS, LLC, US
[85] 2021-10-19
[86] 2020-04-21 (PCT/US2020/029131)
[87] (WO2020/219456)
[30] US (62/836,956) 2019-04-22
[30] US (62/840,583) 2019-04-30
[30] US (62/945,331) 2019-12-09

[21] **3,134,329**
[13] A1
[25] EN
[54] **METHODS AND COMPOSITIONS FOR MODULATING SPLICING AND TRANSLATION**
[54] **PROCEDES ET COMPOSITIONS POUR MODULER L'EPISSAGE ET LA TRADUCTION**
[72] AZNAREZ, ISABEL, US
[72] SCHARNER, JUERGEN, US
[71] STOKE THERAPEUTICS, INC., US
[85] 2021-10-19
[86] 2020-04-24 (PCT/US2020/029897)
[87] (WO2020/219934)
[30] US (62/838,010) 2019-04-24

[21] **3,134,330**
[13] A1
[25] EN
[54] **IMAGE REGISTRATION METHOD AND SYSTEM THEREOF**
[54] **PROCEDE DE REPERAGE D'IMAGE ET SYSTEME ASSOCIE**
[72] LU, CHIH, WEI, TW
[72] LU, SUNG, WEI, TW
[72] LIN, JIA-WEI, TW
[72] CHEN, I-LING, TW
[72] HO, TUAN, SHU, TW
[71] APOLLO MEDICAL OPTICS, LTD., TW
[85] 2021-10-19
[86] 2020-04-30 (PCT/US2020/030877)
[87] (WO2020/223572)
[30] US (62/841,197) 2019-04-30

[21] **3,134,331**
[13] A1
[25] EN
[54] **OPTICAL SYSTEM AND DETECTION METHOD THEROF**
[54] **SYSTEME OPTIQUE ET SON PROCEDE DE DETECTION**
[72] HO, TUAN-SHU, TW
[72] LU, CHIH-WEI, TW
[71] APOLLO MEDICAL OPTICS, LTD., TW
[85] 2021-10-19
[86] 2020-05-08 (PCT/US2020/032256)
[87] (WO2020/227698)
[30] US (62/845,309) 2019-05-08

[21] **3,134,357**
[13] A1
[51] **Int.Cl. G06Q 20/06 (2012.01) G06F 21/64 (2013.01) G06F 16/182 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING, SECURING, AND COMMUNICATING INDUSTRIAL COMMERCE TRANSACTIONS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT, DE SECURISATION ET DE COMMUNICATION DE TRANSACTIONS DE COMMERCE INDUSTRIEL**
[72] MOORE, MARK, US
[72] WANG, QUAN, US
[72] THROGMORTON, JACOB, US
[72] WONG, KEVIN, US
[71] INXEPTION, US
[85] 2021-10-20
[86] 2020-04-27 (PCT/US2020/030105)
[87] (WO2020/220029)
[30] US (62/838,482) 2019-04-25

[21] **3,134,361**
[13] A1
[51] **Int.Cl. B01D 5/00 (2006.01) A62D 3/40 (2007.01) B01D 53/14 (2006.01) B29B 17/00 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING PLASTIC WASTE PYROLYSIS GAS**
[54] **PROCEDE DE TRAITEMENT DE GAZ DE PYROLYSE DE DECHETS PLASTIQUES**
[72] KURKIJARVI, ANTTI, FI
[72] LEHTINEN, HANNU, FI
[72] KORHONEN, ESA, FI
[72] MATILAINEN, MIKKO, FI
[72] NYSTROM, MAX, FI
[71] NESTE OYJ, FI
[85] 2021-10-20
[86] 2020-06-01 (PCT/FI2020/050369)
[87] (WO2020/249853)
[30] FI (20195493) 2019-06-10

[21] **3,134,362**
[13] A1
[51] **Int.Cl. A61K 51/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS USEABLE FOR TREATMENT OF DRY EYE**
[54] **COMPOSITIONS ET METHODES UTILISABLES POUR LE TRAITEMENT DE L'?IL SEC**
[72] KARAGEOZIAN, HAMPAR L., US
[72] PARK, JOHN Y., US
[72] KARAGEOZIAN, VICKEN H., US
[72] SARAYBA, MELVIN ARBIS, US
[72] KARAGEOZIAN, LISA S., US
[72] AUBEL, JANINE M., US
[71] ALLEGRO OPHTHALMICS, LLC, US
[85] 2021-10-20
[86] 2020-04-21 (PCT/US2020/029168)
[87] (WO2020/219475)
[30] US (62/836,858) 2019-04-22

[21] **3,134,365**
[13] A1
[25] EN
[54] **PEN NEEDLE MAGAZINE**
[54] **MAGASIN D'AIGUILLES DE STYLO**
[72] LIMAYE, AMIT, US
[72] MANI, DIPUMON AYYANCHIRA, IN
[72] MEETHAL, PRAVEESH KARATTU, IN
[72] VIJAYACHANDRAN, SAJAYESH, IN
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2021-10-20
[86] 2019-04-26 (PCT/US2019/029313)
[87] (WO2020/219066)

---

[21] **3,134,366**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **CRIMPING INSTRUMENT AND LOADING TOOL THEREFOR**
[54] **INSTRUMENT DE SERTISSAGE ET OUTIL DE CHARGEMENT ASSOCIE**
[72] SAUER, JUDE S., US
[71] LSI SOLUTIONS, INC., US
[85] 2021-10-20
[86] 2020-04-24 (PCT/US2020/029686)
[87] (WO2020/219790)
[30] US (62/838,250) 2019-04-24

---

[21] **3,134,371**
[13] A1
[51] **Int.Cl. F16J 15/3212 (2016.01) F04D 29/10 (2006.01) F04D 29/16 (2006.01)**
[25] FR
[54] **COMPACT SEAL FOR SEALING BETWEEN A ROTATING SHAFT AND A STATIONARY BODY OF A MACHINE**
[54] **GARNITURE D'ETANCHEITE COMPACTE POUR ASSURER L'ETANCHEITE ENTRE UN ARBRE ROTATIF ET UN CORPS STATIONNAIRE D'UNE MACHINE**
[72] DUJARDIN, RAPHAEL, FR
[72] ROUTIER, JEAN-LUC, FR
[71] CYCLAM, FR
[85] 2021-10-20
[86] 2020-05-06 (PCT/EP2020/062618)
[87] (WO2020/225324)
[30] FR (1904720) 2019-05-06

---

[21] **3,134,372**
[13] A1
[51] **Int.Cl. A61L 27/52 (2006.01) C08J 3/075 (2006.01)**
[25] EN
[54] **TUNABLE DEGRADATION IN HYDROGEL MICROPARTICLES**
[54] **DEGRADATION MODULABLE DANS DES MICROPARTICULES D'HYDROGEL**
[72] OTT, LINDSEY, US
[72] HARRINGTON, STEPHEN, US
[72] RAMACHANDRAN, KARTHIK, US
[72] STEHNO-BITTEL, LISA, US
[72] HAMILTON, MEGAN E., US
[71] LIKARDA, LLC, US
[85] 2021-10-20
[86] 2020-06-05 (PCT/US2020/036361)
[87] (WO2020/247776)
[30] US (62/858,578) 2019-06-07

---

[21] **3,136,464**
[13] A1
[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/53 (2020.01) A61M 11/00 (2006.01) A61M 11/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DOSING VAPORIZER JOURNALING ADAPTER**
[54] **SYSTEME ET METHODE POUR DOSER L'ADAPTATEUR DE JOURNALISATION DU VAPORISATEUR**
[72] WOODBINE, JOHN JESSE, US
[72] SCHNURRENBERGER, MAX J., US
[72] CALFEE, PETER WILLIAM, US
[71] GOFIRE INC., US
[85] 2021-10-27
[86] 2021-05-17 (PCT/US2021/032693)
[87] (3136464)
[30] US (63/029,260) 2020-05-22

---

[21] **3,137,320**
[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) 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] DESLOGES, FRANCOIS, CA
[72] ROUSSEAU, MATHIEU, CA
[71] BESSETTE, LUC, CA
[71] ROUSSEAU, MATHIEU, CA
[85] 2021-11-01
[86] 2021-05-25 (PCT/CA2021/050704)
[87] (3137320)
[30] CA (3081531) 2020-05-25
[30] US (63/029,643) 2020-05-25
[30] CA (3098242) 2020-11-05
[30] US (63/110,191) 2020-11-05
[30] CA (3108555) 2021-02-08
[30] US (63/147,080) 2021-02-08

---

[21] **3,138,087**
[13] A1
[51] **Int.Cl. A61J 1/20 (2006.01)**
[25] EN
[54] **FLUID TRANSFER APPARATUS AND USE THEREOF**
[54] **APPAREIL DE TRANSFERT DE LIQUIDE ET SON UTILISATION**
[72] DEANS, DOUGLAS, GB
[72] SMITH, ROBIN, GB
[71] 4C DESIGN LIMITED, GB
[71] MEAT & LIVESTOCK AUSTRALIA LIMITED, AU
[85] 2021-10-26
[86] 2020-04-24 (PCT/GB2020/051013)
[87] (WO2020/217063)
[30] GB (1905866.8) 2019-04-26

[21] **3,138,423**
[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) C01B 32/318 (2017.01) B01D 53/52 (2006.01)**
[25] EN
[54] **METHOD FOR THE DESULFURIZATION OF METHANE-CONTAINING GASES**
[54] **PROCEDE DE DESULFURATION DE GAZ CONTENANT DU METHANE**
[72] CRAEYE, JOHAN, BE
[71] DESOTEC NV, BE
[85] 2021-10-28
[86] 2019-12-09 (PCT/IB2019/060566)
[87] (WO2020/222038)
[30] BE (2019/5293) 2019-05-02

[21] **3,138,427**
[13] A1
[51] **Int.Cl. G01G 19/415 (2006.01) G06Q 10/06 (2012.01) G06Q 10/08 (2012.01) G01G 23/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGEMENT OF SUBSTANCES**
[54] **SYSTEME ET PROCEDE DE GESTION DE SUBSTANCES**
[72] STOODLEY, JEFFERY DEAN, CA
[72] PETERS, MICHAEL WAYNE, CA
[71] BARVENTORY CORP., CA
[85] 2021-10-28
[86] 2020-02-04 (PCT/IB2020/050855)
[87] (WO2020/225607)
[30] US (62/842,999) 2019-05-03

[21] **3,138,429**
[13] A1
[51] **Int.Cl. C08L 65/00 (2006.01) A61B 5/25 (2021.01) C08K 5/098 (2006.01) C08K 5/3445 (2006.01) C08L 25/18 (2006.01)**
[25] EN
[54] **CONDUCTIVE POLYMERIC COMPOSITION AND METHOD FOR PREPARING THE CONDUCTIVE POLYMERIC COMPOSITION**
[54] **COMPOSITION POLYMERE CONDUCTRICE ET PROCEDE POUR LA PREPARATION DE LA COMPOSITION POLYMERE CONDUCTRICE**
[72] USAI, GIUSEPPE ARNALDO, IT
[72] SCAVETTA, ERIKA, IT
[72] GUALANDI, ISACCO, IT
[72] FRABONI, BEATRICE, IT
[72] TESSAROLO, MARTA, IT
[72] BONFIGLIO, ANNALISA, IT
[72] PANI, DANILO, IT
[72] SULAS, ELEONORA, IT
[71] USAI, GIUSEPPE ARNALDO, IT
[71] ALMA MATER STUDIORUM - UNIVERSITA' DI BOLOGNA, IT
[71] UNIVERSITA' DEGLI STUDI DI CAGLIARI, IT
[85] 2021-10-28
[86] 2020-04-29 (PCT/IB2020/054018)
[87] (WO2020/222130)
[30] IT (102019000006437) 2019-04-29

[21] **3,138,433**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 47/10 (2017.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01) A61P 13/10 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **FORMULATIONS AND METHODS FOR DRUG INSTILLATION INTO THE BLADDER AND TREATMENT OF BLADDER AILMENTS**
[54] **FORMULATIONS ET PROCEDES D'INSTILLATION DE MEDICAMENT DANS LA VESSIE ET DE TRAITEMENT DE MALADIES DE LA VESSIE**
[72] TOUITOU, DAN MOSHE, IL
[72] TOUITOU, ELKA, IL
[71] TRIGONE PHARMA LTD., IL
[85] 2021-10-28
[86] 2020-04-29 (PCT/IB2020/054044)
[87] (WO2020/222139)
[30] US (62/840,882) 2019-04-30

[21] **3,138,443**
[13] A1
[51] **Int.Cl. A61K 8/00 (2006.01) A61Q 5/02 (2006.01)**
[25] EN
[54] **RINSE-FREE SHAMPOO COMPOSITION**
[54] **COMPOSITION DE SHAMPOING SANS RINCAGE**
[72] RICHARDSON, ALEXANDER JOHN, GB
[71] CHURCH & DWIGHT CO., INC., US
[85] 2021-10-28
[86] 2020-04-30 (PCT/IB2020/054121)
[87] (WO2020/222178)
[30] US (62/841,451) 2019-05-01

[21] **3,138,479**
[13] A1
[51] **Int.Cl. A47C 27/08 (2006.01) A47C 21/04 (2006.01) A47C 27/15 (2006.01)**
[25] EN
[54] **SLEEPER DETECTION AND CONFIGURATION OF SLEEP ENVIRONMENTS AND LEARNING METHODS TO OPTIMIZE SLEEP QUALITY**
[54] **DETECTION DE DORMEUR ET CONFIGURATION D'ENVIRONNEMENTS DE SOMMEIL ET PROCEDES D'APPRENTISSAGE POUR OPTIMISER LA QUALITE DU SOMMEIL**
[72] TSERN, ELY, US
[72] FARRINGDON, JONATHAN, US
[72] TOMPANE, JOHN, US
[72] HAMAL, ADAM, US
[72] HANDEL, MARK, US
[71] BRYTE, INC., US
[85] 2021-10-28
[86] 2019-05-01 (PCT/US2019/030291)
[87] (WO2019/213327)
[30] US (62/665,392) 2018-05-01

[21] **3,138,482**
[13] A1
[51] **Int.Cl. A61M 21/02 (2006.01) A47C 21/04 (2006.01) A61B 5/00 (2006.01) A61M 21/00 (2006.01)**
[25] EN
[54] **SLEEP PHASE DEPENDENT TEMPERATURE CONTROL AND LEARNING METHODS TO OPTIMIZE SLEEP QUALITY**
[54] **PROCEDES DE REGULATION ET D'APPRENTISSAGE DE TEMPERATURE DEPENDANT DE LA PHASE DE SOMMEIL AFIN D'OPTIMISER LA QUALITE DU SOMMEIL**
[72] TSERN, ELY, US
[72] WALKER, MATTHEW, US
[72] FARRINGDON, JONATHAN, US
[71] BRYTE, INC., US
[85] 2021-10-28
[86] 2019-05-01 (PCT/US2019/030293)
[87] (WO2019/213329)
[30] US (62/665,278) 2018-05-01

[21] **3,138,484**
[13] A1
[51] **Int.Cl. A61M 27/00 (2006.01) A61M 29/00 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **BALLOON CATHETER**
[54] **CATHETER A BALLONNET**
[72] OEFELEIN, MICHAEL G., US
[71] LIPAC ONCOLOGY LLC, US
[85] 2021-10-28
[86] 2019-05-06 (PCT/US2019/030833)
[87] (WO2019/213648)
[30] US (62/666,848) 2018-05-04
[30] US (62/680,172) 2018-06-04

[21] **3,138,485**
[13] A1
[51] **Int.Cl. C09D 1/00 (2006.01) C09D 7/40 (2018.01) C09D 7/61 (2018.01) B05D 7/00 (2006.01) C04B 28/34 (2006.01) C09D 5/08 (2006.01) C23C 24/08 (2006.01) C23C 28/04 (2006.01)**
[25] EN
[54] **CHROMATE-FREE CERAMIC COATING COMPOSITIONS FOR HOT CORROSION PROTECTION OF SUPERALLOY SUBSTRATES**
[54] **COMPOSITIONS DE REVETEMENT CERAMIQUE SANS CHROMATE POUR LA PROTECTION CONTRE LA CORROSION A CHAUD DE SUBSTRATS EN SUPERALLIAGE**
[72] BELOV, IRINA, US
[72] TANG, ZHIHONG, US
[72] FITZWATER, BRIAN, US
[72] COPELAND, DARYL, US
[71] PRAXAIR S.T. TECHNOLOGY, INC., US
[85] 2021-10-28
[86] 2019-05-09 (PCT/US2019/031453)
[87] (WO2020/226649)
[30] US (16/406,292) 2019-05-08

[21] **3,138,515**
[13] A1
[51] **Int.Cl. G02F 1/163 (2006.01) E06B 3/67 (2006.01) G02F 1/15 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OPERATING ONE OR MORE ELECTRICALLY CONTROLLABLE PRIVACY GLAZING STRUCTURES**
[54] **SYSTEMES ET PROCEDES POUR FAIRE FONCTIONNER UNE OU PLUSIEURS STRUCTURES DE VITRAGE TEINTEES POUVANT ETRE COMMANDEES ELECTRIQUEMENT**
[72] SCHLEDER, NICHOLAS, US
[72] EUL, MICHAEL, US
[72] SCHOETTLER, WILLIAM EMILE JULIEN, US
[72] WHALEY, PETER, US
[71] CARDINAL IG COMPANY, US
[85] 2021-10-28
[86] 2020-04-29 (PCT/US2020/030394)
[87] (WO2020/223297)
[30] US (62/840,026) 2019-04-29

[21] **3,138,516**
[13] A1
[51] **Int.Cl. G08B 13/189 (2006.01) G08B 13/19 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **MACHINE LEARNING MOTION SENSING WITH AUXILIARY SENSORS**
[54] **DETECTION DE MOUVEMENT D'APPRENTISSAGE AUTOMATIQUE AVEC CAPTEURS AUXILIAIRES**
[72] TOURNIER, GLENN, US
[72] REEDER, ALEXANDER LAWRENCE, US
[72] MADDEN, DONALD GERARD, US
[72] BEACH, ALLISON, US
[72] HUTZ, DAVID JAMES, US
[71] ALARM.COM INCORPORATED, US
[85] 2021-10-28
[86] 2020-04-29 (PCT/US2020/030423)
[87] (WO2020/223318)
[30] US (62/839,815) 2019-04-29
[30] US (16/861,001) 2020-04-28

[21] **3,138,523**
[13] A1
[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **SOLVENT INJECTION AND RECOVERY IN A LNG PLANT**
[54] **INJECTION ET RECUPERATION DE SOLVANT DANS UNE INSTALLATION GNL**
[72] CALDERON, MICHAEL J., US
[72] EMBRY, DALE L., US
[72] DAVIES, PAUL R., US
[72] PRADERIO, ATTILIO J., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2021-10-28
[86] 2020-04-29 (PCT/US2020/030448)
[87] (WO2020/223333)
[30] US (62/840,180) 2019-04-29

[21] **3,138,524**
[13] A1
[51] **Int.Cl. H04N 19/40 (2014.01) H04N 21/2187 (2011.01) H04N 21/262 (2011.01)**
[25] EN
[54] **FAULT-TOLERANT LIVE VIDEO STREAMING**
[54] **DIFFUSION EN CONTINU DE VIDEO EN DIRECT TOLERANTE AUX PANNES**
[72] CENZANO FERRET, JORGE, US
[72] KROFSSIK, TED, US
[72] NEIL, MATTHEW, US
[72] HARTY, MICHAEL, US
[72] REZNIK, YURIY, US
[71] BRIGHTCOVE, INC., US
[85] 2021-10-28
[86] 2020-05-08 (PCT/US2020/032212)
[87] (WO2020/227679)
[30] US (62/845,492) 2019-05-09

[21] **3,138,526**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) B01L 9/00 (2006.01) B05C 9/12 (2006.01)**
[25] EN
[54] **MICROFABRICATED DEVICE WITH HYDROPHILIC MICROWELLS AND HYDROPHOBIC INTERSTITIAL SPACE**
[54] **DISPOSITIF MICROFABRIQUE COMPRENANT DES MICROPUITS HYDROPHILES ET UN ESPACE INTERSTITIEL HYDROPHOBE**
[72] HALLOCK, ALEXANDER, US
[72] GLAZER, MARC, US
[71] GENERAL AUTOMATION LAB TECHNOLOGIES INC., US
[85] 2021-10-28
[86] 2020-05-01 (PCT/US2020/031168)
[87] (WO2020/223697)
[30] US (62/842,456) 2019-05-02

[21] **3,138,528**
[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01) G16H 40/60 (2018.01) A61M 5/14 (2006.01)**
[25] EN
[54] **THRESHOLD SIGNATURE BASED MEDICAL DEVICE MANAGEMENT**
[54] **GESTION DE DISPOSITIF MEDICAL EN FONCTION DE SIGNATURES NUMERIQUES A SEUIL**
[72] VIVEK, S. SREE, US
[72] DANDEKAR, HRISHIKESH ANIL, US
[72] SRINIVASAMURTHY, CHAITANYA MATTUR, US
[71] ICU MEDICAL, INC., US
[85] 2021-10-28
[86] 2020-05-06 (PCT/US2020/031664)
[87] (WO2020/227403)
[30] US (62/845,115) 2019-05-08

[21] **3,138,529**
[13] A1
[51] **Int.Cl. A61K 35/19 (2015.01) A61K 35/14 (2015.01) A61M 1/34 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR PRODUCING BLOOD PRODUCTS**
[54] **MATERIAUX ET PROCEDES DE PRODUCTION DE PRODUITS SANGUINS**
[72] MONTGOMERY, JOSHUA DONALD, US
[72] ISHLER, BRADEN CARL, US
[72] AMOS, STEPHEN EDWARD, US
[72] MOSKOWITZ, KEITH ANDREW, US
[72] LEE, AMBER NICOLE, US
[72] JORDA, RAFAEL, US
[72] FITZPATRICK, GLEN MICHAEL, US
[72] MATHEWS, MICHAEL ALEXANDER, US
[71] CELLPHIRE, INC., US
[85] 2021-10-28
[86] 2020-05-01 (PCT/US2020/031172)
[87] (WO2020/227149)
[30] US (62/843,061) 2019-05-03
[30] US (62/936,122) 2019-11-15

[21] **3,138,538**
[13] A1
[25] EN
[54] **SMART WIRELESS ADAPTER**
[54] **ADAPTATEUR SANS FIL INTELLIGENT**
[72] BERTOLINA, MARK V., US
[72] CASIMIRO, RICHARD P., US
[72] CUPO, PATRICK, US
[72] CARRARA, LEE MATTHEW, US
[71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US
[85] 2021-10-28
[86] 2020-12-17 (PCT/US2020/065728)
[87] (WO2021/127258)
[30] US (62/951,787) 2019-12-20
[30] US (17/125,396) 2020-12-17

[21] **3,138,543**
[13] A1
[51] **Int.Cl. C07F 9/6558 (2006.01) A61K 31/454 (2006.01) A61K 31/4709 (2006.01) A61K 31/675 (2006.01) A61K 38/05 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07F 9/6574 (2006.01) C07K 5/06 (2006.01)**
[25] EN
[54] **PRODRUGS OF A CDK INHIBITOR FOR TREATING CANCERS**
[54] **PROMEDICAMENTS D'UN INHIBITEUR DE CDK POUR LE TRAITEMENT DE CANCERS**
[72] LU, JIASHENG, CN
[72] GU, JIAMIN, CN
[72] CHEN, GANG, CN
[72] ZHANG, XIAOLIN, CN
[72] ZHOU, FENG, CN
[72] KONG, XIANQI, CA
[71] RISEN (SUZHOU) PHARMA TECH CO., LTD., CN
[71] SHANGHAI JUNSHI BIOSCIENCES CO., LTD., CN
[85] 2021-10-26
[86] 2020-04-23 (PCT/CA2020/050536)
[87] (WO2020/215156)
[30] CN (201910343182.5) 2019-04-26

[21] **3,138,548**
[13] A1
[51] **Int.Cl. A61B 17/12 (2006.01)**
[25] EN
[54] **EMBOLIZATION WITH TRANSIENT MATERIALS**
[54] **EMBOLISATION AVEC DES MATERIAUX TRANSITOIRES**
[72] SAWHNEY, AMARPREET S., US
[72] JARRETT, TIMOTHY S., US
[72] CLAESSON, HANS, US
[71] INCEPT, LLC, US
[85] 2021-10-28
[86] 2020-05-08 (PCT/US2020/032178)
[87] (WO2020/231842)
[30] US (62/846,464) 2019-05-10

[21] **3,138,605**
[13] A1
[51] **Int.Cl. F02K 1/60 (2006.01) B64C 15/00 (2006.01) B64C 39/02 (2006.01) F02K 1/00 (2006.01)**
[25] FR
[54] **THRUST GROUP FOR A PROPULSION DEVICE AND ASSOCIATED PROPULSION DEVICE**
[54] **GROUPE DE POUSSEE POUR DISPOSITIF DE PROPULSION ET DISPOSITIF DE PROPULSION ASSOCIE**
[72] ZAPATA, FRANKIE, FR
[71] ZIPAIR, FR
[85] 2021-10-29
[86] 2020-06-08 (PCT/FR2020/050973)
[87] (WO2020/245553)
[30] US (62/858,705) 2019-06-07
[30] FR (PCT/FR2020/050002) 2020-01-02

[21] **3,138,609**
[13] A1
[51] **Int.Cl. C10B 53/02 (2006.01) C10L 5/44 (2006.01) C10L 9/08 (2006.01)**
[25] FR
[54] **MIXTURE OF STEAM-CRACKED BIOMASS AND LIGNIN FOR GRANULE PRODUCTION**
[54] **MELANGE DE BIOMASSE VAPOCRAQUEE ET DE LIGNINE POUR LA PRODUCTION DE GRANULE**
[72] MARIN, JEAN-BAPTISTE, FR
[72] HABAS, THOMAS, FR
[72] QUINTERO-MARQUEZ, ADRIANA, FR
[72] MARTEL, FREDERIC, FR
[71] EUROPEENNE DE BIOMASSE, FR
[85] 2021-10-29
[86] 2020-04-30 (PCT/FR2020/050731)
[87] (WO2020/225506)
[30] FR (1904684) 2019-05-03

[21] **3,138,612**
[13] A1
[51] **Int.Cl. D04H 3/018 (2012.01) D04H 3/007 (2012.01) D04H 3/147 (2012.01) D01D 5/22 (2006.01) D01D 5/34 (2006.01)**
[25] EN
[54] **SPUNBOND NONWOVEN FABRIC MADE OF ENDLESS FILAMENTS AND APPARATUS FOR MAKING THE SPUNBOND NONWOVEN FABRIC**
[54] **MATERIAU NON-TISSE FILE-LIE CONSTITUE DE FILAMENTS CONTINUS ET DISPOSITIF DE PRODUCTION DU MATERIAU NON-TISSE FILE-LIE**
[72] WAGNER, TOBIAS, DE
[72] SOMMER, SEBASTIAN, DE
[72] BOHL, PATRICK, DE
[72] ROSNER, ANDREAS, DE
[72] GEUS, HANS-GEORG, DE
[72] LINKE, GEROLD, DE
[71] REIFENHAUSER GMBH & CO. KG MASCHINENFABRIK, DE
[85] 2021-10-29
[86] 2020-07-14 (PCT/EP2020/069906)
[87] (WO2021/018574)
[30] EP (19189237.1) 2019-07-30

[21] **3,138,617**
[13] A1
[51] **Int.Cl. B01D 53/04 (2006.01) B01J 8/00 (2006.01) B01J 8/02 (2006.01)**
[25] EN
[54] **PRESSURE VESSEL**
[54] **RECIPIENT SOUS PRESSION**
[72] GNADL, ALEXANDER, DE
[72] KRAMER, VERENA, DE
[71] LINDE GMBH, DE
[85] 2021-10-29
[86] 2020-04-30 (PCT/EP2020/025199)
[87] (WO2020/224803)
[30] EP (19020324.0) 2019-05-08

[21] **3,138,620**
[13] A1
[51] **Int.Cl. H02K 13/00 (2006.01) H02K 11/21 (2016.01) H02K 7/00 (2006.01) H02K 13/02 (2006.01)**
[25] EN
[54] **ROTOR FOR A ROTATING ELECTRIC MACHINE**
[54] **ROTOR DESTINE A UNE MACHINE ELECTRIQUE TOURNANTE**
[72] BINDER, HERBERT, DE
[72] ECKER, HELMUT, DE
[72] GRUBER, ROBERT, DE
[72] MEMMINGER, OLIVER, DE
[72] SCHIFFERER, KLAUS, DE
[71] FLENDER GMBH, DE
[85] 2021-10-29
[86] 2020-04-03 (PCT/EP2020/059529)
[87] (WO2020/239299)
[30] EP (19176480.2) 2019-05-24

[21] **3,138,621**
[13] A1
[51] **Int.Cl. H01R 39/38 (2006.01) H02K 9/28 (2006.01)**
[25] EN
[54] **SLIP RING SYSTEM WITH IMRPOVED COOLING**
[54] **SYSTEME DE BAGUE COLLECTRICE A REFROIDISSEMENT AMELIORE**
[72] BINDER, HERBERT, DE
[72] FRIEDL, DANIEL, DE
[72] GRUBER, ROBERT, DE
[72] MEMMINGER, OLIVER, DE
[72] RASKOPF, ANDREJ, DE
[72] SCHIFFERER, KLAUS, DE
[71] FLENDER GMBH, DE
[85] 2021-10-29
[86] 2020-04-03 (PCT/EP2020/059546)
[87] (WO2020/239301)
[30] EP (19177085.8) 2019-05-28

[21] **3,138,622**
[13] A1
[51] **Int.Cl. C04B 28/02 (2006.01) C04B 18/16 (2006.01) C04B 22/00 (2006.01) C04B 40/00 (2006.01)**
[25] EN
[54] **CARBONATION OF CONCRETE AGGREGATES**
[54] **CARBONATATION DE GRANULATS DE BETON**
[72] THOMAS, MICHAEL, CA
[72] MONKMAN, GEORGE SEAN, CA
[72] HANMORE, ALEX, CA
[72] GORGERON, DEAN, CA
[71] CARBONCURE TECHNOLOGIES INC., CA
[85] 2021-10-25
[86] 2020-04-27 (PCT/IB2020/053953)
[87] (WO2020/217232)
[30] US (62/839,303) 2019-04-26
[30] US (62/865,898) 2019-06-24

[21] **3,138,623**
[13] A1
[51] **Int.Cl. D01F 2/02 (2006.01) C08J 3/02 (2006.01) C08J 7/12 (2006.01) C08B 15/00 (2006.01)**
[25] FR
[54] **METHOD FOR MANUFACTURING A SUSPENSION OF CELLULOSE NANOFIBRILS**
[54] **PROCEDE DE FABRICATION D'UNE SUSPENSION DE NANOFIBRILLES DE CELLULOSE**
[72] BRAS, JULIEN, FR
[72] ROL, FLEUR, FR
[72] PETIT-CONIL, MICHEL, FR
[72] MEYER, VALERIE, FR
[71] INSTITUT POLYTECHNIQUE DE GRENOBLE, FR
[71] CENTRE TECHNIQUE DE L'INDUSTRIE DES PAPIERS, CARTONS ET CELLULOSES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[85] 2021-10-29
[86] 2020-05-04 (PCT/EP2020/062284)
[87] (WO2020/221934)
[30] FR (1904639) 2019-05-02

[21] **3,138,624**
[13] A1
[51] **Int.Cl. C08L 23/16 (2006.01) C08J 5/18 (2006.01) C08L 23/14 (2006.01) C08L 23/20 (2006.01) C08L 53/00 (2006.01)**
[25] EN
[54] **THERMOPLASTIC POLYMER COMPOSITIONS WITH IMPROVED FLEXIBILITY**
[54] **COMPOSITIONS POLYMERES THERMOPLASTIQUES A FLEXIBILITE AMELIOREE**
[72] KNEBEL, OLIVER, CH
[71] SIKA TECHNOLOGY AG, CH
[85] 2021-10-25
[86] 2020-06-24 (PCT/EP2020/067763)
[87] (WO2020/260428)
[30] EP (19181978.8) 2019-06-24

[21] **3,138,625**
[13] A1
[51] **Int.Cl. C21D 8/00 (2006.01) C21D 8/02 (2006.01) C21D 8/04 (2006.01) C22C 38/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C23C 2/00 (2006.01)**
[25] EN
[54] **COLD ROLLED AND COATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF**
[54] **TOLE D'ACIER LAMINEE A FROID ET REVETUE ET SON PROCEDE DE FABRICATION**
[72] JUN, HYUN JO, US
[72] POTTORE, NARAYAN, US
[72] FAN, DONGWEI, US
[72] CHEN, XIANG (FRANK), US
[72] YAKUBOVSKY, OLEG, US
[71] ARCELORMITTAL, LU
[85] 2021-10-29
[86] 2020-05-12 (PCT/IB2020/054463)
[87] (WO2020/245678)
[30] IB (PCT/IB2019/054577) 2019-06-03

[21] **3,138,626**
[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 9/19 (2006.01) A61K 9/51 (2006.01) A61K 31/05 (2006.01) A61K 31/137 (2006.01) A61K 31/496 (2006.01) A61K 47/02 (2006.01) A61K 47/08 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) A61K 47/32 (2006.01) A61K 47/34 (2017.01) A61P 3/04 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01) A61P 29/00 (2006.01) A61P 31/06 (2006.01) A61P 31/10 (2006.01) A61P 31/12 (2006.01) A61P 33/06 (2006.01)**
[25] EN
[54] **POLYMER-LIPID NANOCOMPLEX FOR ENHANCED AQUEOUS SOLUBILISATION AND ABSORPTION OF HYDROPHOBIC ACTIVE COMPOUNDS**
[54] **NANOCOMPLEXE POLYMERE-LIPIDE POUR SOLUBILISATION AQUEUSE AMELIOREE ET ABSORPTION DE COMPOSES ACTIFS HYDROPHOBES**
[72] NKUNA, TSHEPO PATRIC, ZA
[72] KALOMBO, MICHEL LONJI, ZA
[71] COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, ZA
[85] 2021-10-29
[86] 2020-05-08 (PCT/IB2020/054370)
[87] (WO2020/229971)
[30] ZA (2019/02992) 2019-05-14

[21] **3,138,633**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ALLOGENEIC CELL THERAPY OF B CELL MALIGNANCIES USING GENETICALLY ENGINEERED T CELLS TARGETING CD19**
[54] **THERAPIE CELLULAIRE ALLOGENIQUE DE MALIGNITES DE LYMPHOCYTES B A L'AIDE DE LYMPHOCYTES T GENETIQUEMENT MODIFIES CIBLANT CD19**
[72] BENTON, MARK, US
[72] HO, TONY, US
[72] KALAITZIDIS, DEMETRIOS, US
[72] MORAWA, EWELINA, US
[72] TERRETT, JONATHAN ALEXANDER, US
[71] CRISPR THERAPEUTICS AG, CH
[85] 2021-10-29
[86] 2020-04-30 (PCT/IB2020/054118)
[87] (WO2020/222176)
[30] US (62/840,913) 2019-04-30

[21] **3,138,641**
[13] A1
[51] **Int.Cl. A47G 19/22 (2006.01) H04W 4/80 (2018.01) A45F 3/16 (2006.01) A47G 23/16 (2006.01) F21V 33/00 (2006.01) G01G 17/04 (2006.01) G01G 19/52 (2006.01) G01G 21/28 (2006.01)**
[25] EN
[54] **SMART CONTAINER WITH INTERACTIVE, COLORED LIGHTS**
[54] **RECIPIENT INTELLIGENT A LUMIERES COLOREES INTERACTIVES**
[72] IVERSON, COLEMAN, US
[72] HAMBROCK, ALEXANDER, US
[72] BAIRD, PAUL, US
[72] HEAVER, TRAVIS, US
[72] FRITZ, GRANT, US
[71] HIDRATE, INC., US
[85] 2021-10-29
[86] 2020-04-30 (PCT/US2020/030822)
[87] (WO2020/223540)
[30] US (62/840,476) 2019-04-30

[21] **3,138,644**
[13] A1
[51] **Int.Cl. C07K 5/08 (2006.01) A61K 38/06 (2006.01) C07K 4/02 (2006.01)**
[25] EN
[54] **HALOGENATED ANTIMICROBIAL PEPTOIDS**
[54] **PEPTOIDES ANTIMICROBIENS HALOGENES**
[72] MOLCHANOVA, NATALIA, DK
[72] JENSSEN, HAVARD, DK
[72] BARRON, ANNELISE, US
[71] MAXWELL BIOSCIENCES, INC., US
[85] 2021-10-29
[86] 2020-04-30 (PCT/US2020/030890)
[87] (WO2020/223581)
[30] US (62/841,227) 2019-04-30

[21] **3,138,649**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0535 (2021.01) A61B 5/318 (2021.01) A61B 5/024 (2006.01) A61B 5/0295 (2006.01) A61B 5/08 (2006.01) A61B 5/1455 (2006.01) A61B 7/04 (2006.01) A61B 5/1491 (2006.01)**
[25] EN
[54] **PATCH-BASED PHYSIOLOGICAL SENSOR**
[54] **CAPTEUR PHYSIOLOGIQUE SUR PATCH**
[72] DHILLON, MARSHAL, US
[72] DHILLON, MARK, US
[72] TANG, ERIK, US
[72] HAYWARD, LAUREN NICOLE MILLER, US
[72] BANET, MATTHEW, US
[72] MCCANNA, JAMES, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2021-10-29
[86] 2020-05-08 (PCT/US2020/032125)
[87] (WO2020/227641)
[30] US (62/845,097) 2019-05-08

[21] **3,138,657**
[13] A1
[51] **Int.Cl. A61K 35/768 (2015.01) A61K 35/17 (2015.01) A61K 35/761 (2015.01) A61K 35/763 (2015.01) A61K 35/765 (2015.01) A61P 35/00 (2006.01)**
[25] EN
[54] **DELIVERY OF ONCOLYTIC VIRUSES USING DENDRITIC CELLS**
[54] **ADMINISTRATION DE VIRUS ONCOLYTIQUES A L'AIDE DE CELLULES DENDRITIQUES**
[72] CHUMAKOV, PETER M., US
[72] BERZHITSKAYA, DARYA A., US
[72] LIPATOVA, ANASTASIA V., US
[72] CHUMAKOV, STEPAN P., US
[72] TARAROVA, NATALIA D., US
[72] CHARLES, STEPHEN A., US
[72] KOMAR, ANTON A., US
[71] SATOR THERAPEUTICS LLC, US
[85] 2021-10-29
[86] 2020-05-07 (PCT/US2020/031837)
[87] (WO2020/227503)
[30] US (62/845,776) 2019-05-09

[21] **3,138,660**
[13] A1
[51] **Int.Cl. B01D 19/04 (2006.01)**
[25] EN
[54] **ALCOHOL ALKOXYLATE MIXTURES AS CONCENTRATED AQUEOUS DEFOAMERS**
[54] **MELANGES D'ALCOXYLATE D'ALCOOL EN TANT QU'AGENTS ANTI-MOUSSE AQUEUX CONCENTRES**
[72] JAMES, OLLIE, US
[72] LANDRY, DUSTIN, US
[72] STANCIU, CONNELL, US
[72] FERNANDEZ, JORGE M., US
[72] DIARRA, ALPHA, US
[71] SASOL CHEMICALS GMBH, DE
[85] 2021-10-30
[86] 2020-05-01 (PCT/US2020/030938)
[87] (WO2020/227056)
[30] US (62/842,669) 2019-05-03

[21] **3,138,661**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL TIP**
[54] **POINTE ELECTROCHIRURGICALE**
[72] MAYO, JOSEPH, US
[72] JONES, MATTHEW P., US
[72] GESSLER, RAYMOND, US
[72] D'CUNHA, ASHA, US
[72] SCOTT, SERENA, US
[72] HANSEN, KATRINA, US
[72] LERSCH, JEFFERY T., US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2021-10-29
[86] 2020-07-29 (PCT/US2020/044000)
[87] (WO2021/021883)
[30] US (62/880,226) 2019-07-30

[21] **3,138,663**
[13] A1
[51] **Int.Cl. C12N 15/79 (2006.01) A01H 5/00 (2018.01) A01K 67/02 (2006.01) C12N 5/10 (2006.01) C12N 9/22 (2006.01) C12N 15/09 (2006.01) C12N 15/10 (2006.01) C12N 15/55 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **IMPROVED HOMOLOGY DEPENDENT REPAIR GENOME EDITING**
[54] **EDITION AMELIOREE DU GENOME DE REPARATION DEPENDANT DE L'HOMOLOGIE**
[72] CERMAK, TOMAS, US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2021-10-29
[86] 2020-06-24 (PCT/US2020/039410)
[87] (WO2020/264016)
[30] US (62/866,317) 2019-06-25

[21] **3,138,664**
[13] A1
[51] **Int.Cl. F16K 3/30 (2006.01) F16J 15/30 (2006.01) F16K 3/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FLOATING SEAT PLATE**
[54] **SYSTEMES ET PROCEDES ASSOCIES A DES PLAQUES DE SIEGE FLOTTANTES**
[72] KRAUSE, KENNETH W., US
[72] JIMENEZ, FILIBERTO R., US
[71] TAPCOENPRO, LLC, US
[85] 2021-10-29
[86] 2020-05-28 (PCT/US2020/035009)
[87] (WO2020/227725)

[21] **3,138,675**
[13] A1
[51] **Int.Cl. A61L 24/00 (2006.01) C09J 7/32 (2018.01) A61B 5/00 (2006.01) A61K 9/00 (2006.01) A61L 24/04 (2006.01) A61L 31/04 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **DRY DOUBLE-SIDED MATERIAL FOR ADHESION OF WET TISSUES AND DEVICES**
[54] **MATERIAU SEC A DOUBLE FACE POUR L'ADHESION DE TISSUS ET DE DISPOSITIFS HUMIDES**
[72] ZHAO, XUANHE, US
[72] YUK, HYUNWOO, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2021-10-29
[86] 2020-04-11 (PCT/US2020/027851)
[87] (WO2020/231559)
[30] US (62/845,976) 2019-05-10

[21] **3,138,678**
[13] A1
[51] **Int.Cl. G06F 13/38 (2006.01) G06F 1/26 (2006.01) H04B 1/40 (2015.01)**
[25] EN
[54] **COMMUNICATION DEVICES AND SYSTEMS**
[54] **DISPOSITIFS ET SYSTEMES DE COMMUNICATION**
[72] APRO, ATTILA, CA
[72] SEIFFERT, MAXIMILIAN, CA
[72] MAHARAJ, DHRUVA, CA
[72] MAHARAJ, DHRUVA, CA
[71] SIEMENS CANADA LIMITED, CA
[85] 2021-10-29
[86] 2019-05-01 (PCT/US2019/030156)
[87] (WO2020/222838)

[21] **3,138,679**
[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ATTENTION-BASED CLASSIFICATION OF HIGH-RESOLUTION MICROSCOPY IMAGES**
[54] **SYSTEME ET PROCEDE DE CLASSIFICATION BASEE SUR L'ATTENTION D'IMAGES DE MICROSCOPIE A HAUTE RESOLUTION**
[72] HASSANPOUR, SAEED, US
[72] TOMITA, NAOFUMI, US
[71] THE TRUSTEES OF DARTMOUTH COLLEGE, US
[85] 2021-10-29
[86] 2020-04-08 (PCT/US2020/027178)
[87] (WO2020/222985)
[30] US (62/840,538) 2019-04-30

[21] **3,138,680**
[13] A1
[25] EN
[54] **MULTI-ACTUATOR ROTATOR ASSEMBLY**
[54] **ENSEMBLE ROTATEUR A ACTIONNEURS MULTIPLES**
[72] HERMAN, ALVIN, US
[72] HERMAN, ERIN, US
[71] QUICKTHREE TECHNOLOGY, LLC, US
[85] 2021-10-29
[86] 2020-04-20 (PCT/US2020/028922)
[87] (WO2020/223051)
[30] US (62/840,455) 2019-04-30

[21] **3,138,681**
[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G02B 7/28 (2021.01) G03B 13/36 (2021.01) H04N 5/232 (2006.01)**
[25] EN
[54] **TECHNIQUES TO SET FOCUS IN CAMERA IN A MIXED-REALITY ENVIRONMENT WITH HAND GESTURE INTERACTION**
[54] **TECHNIQUES PERMETTANT DE REGLER LA MISE AU POINT D'UNE CAMERA DANS UN ENVIRONNEMENT A REALITE MIXTE PAR INTERACTION GESTUELLE DE MAIN**
[72] LEI, MARIA CHENG, US
[72] JAIN, VISHAL, US
[72] DANGI, VIKRAMADITYA, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2021-10-29
[86] 2020-04-24 (PCT/US2020/029670)
[87] (WO2020/242680)
[30] US (16/427,398) 2019-05-31

[21] **3,138,682**
[13] A1
[51] **Int.Cl. A61K 31/426 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **TIE-2 ACTIVATORS TARGETING THE SCHLEMM'S CANAL**
[54] **ACTIVATEURS DE TIE -2 CIBLANT LE CANAL DE SCHLEMM**
[72] PETERS, KEVIN, US
[71] EYEPOINT PHARMACEUTICALS, INC., US
[85] 2021-10-29
[86] 2020-04-28 (PCT/US2020/030224)
[87] (WO2020/223209)
[30] US (62/840,068) 2019-04-29

[21] **3,138,683**
[13] A1
[51] **Int.Cl. C09K 8/467 (2006.01) C04B 24/28 (2006.01) B28C 5/00 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING CEMENT TOUGHNESS**
[54] **PROCEDE D'AMELIORATION DE LA TENACITE DU CIMENT**
[72] PATEL, HASMUKH A., US
[72] THAEMLITZ, CARL, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-10-29
[86] 2020-04-28 (PCT/US2020/030289)
[87] (WO2020/223243)
[30] US (16/397,579) 2019-04-29

[21] **3,138,684**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01) A63B 24/00 (2006.01) A63B 71/06 (2006.01)**
[25] EN
[54] **BASKETBALL SHOT PRACTICE STATION WITH COURT PROJECTION MAPPING**
[54] **STATION DE PRATIQUE DE TIR DE BASKET-BALL AVEC MAPPAGE DE PROJECTION DE COURT**
[72] SANGALANG, GABRIEL JOSHUA, US
[71] SANGALANG, GABRIEL JOSHUA, US
[85] 2021-10-29
[86] 2020-04-29 (PCT/US2020/030486)
[87] (WO2020/223357)
[30] US (62/839,825) 2019-04-29
[30] US (16/696,562) 2019-11-26

[21] **3,138,685**
[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) A61F 2/24 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF FLUID PASSAGEWAY CROSS-SECTIONAL AREA DETERMINATION IN AN ANATOMY**
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE SURFACE DE SECTION TRANSVERSALE DE PASSAGE DE LIQUIDE ORGANIQUE DANS UNE ANATOMIE**
[72] HUYSMANS, LOTTE, BE
[72] MAES, JULIE, BE
[72] SCHROTT, JANELLE, BE
[71] MATERIALISE N.V., BE
[85] 2021-10-29
[86] 2020-04-29 (PCT/US2020/030557)
[87] (WO2020/223408)
[30] US (62/841,651) 2019-05-01

[21] **3,138,686**
[13] A1
[51] **Int.Cl. A61K 31/4035 (2006.01) A61K 31/555 (2006.01) A61K 45/06 (2006.01) A61P 1/04 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES COMPRISING APREMILAST AND TYK2 INHIBITORS**
[54] **POLYTHERAPIES COMPRENANT DE L'APREMILAST ET DES INHIBITEURS DE TYK2**
[72] SCHAFER, PETER HENRY, US
[72] PLENGE, ROBERT, US
[72] ADAMS, MARY, US
[72] BEEBE, LISA, US
[72] BUCHWALTER, GILLES, US
[72] CARR, TIFFANY, US
[72] TZENG, TE-CHEN, US
[71] CELGENE CORPORATION, US
[85] 2021-10-29
[86] 2020-04-30 (PCT/US2020/030608)
[87] (WO2020/223431)
[30] US (PCT/US2019/029772) 2019-04-30

[21] **3,138,687**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C07K 16/30 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES**
[54] **POLYTHERAPIES**
[72] SMITH, ERIC L., US
[72] BRENTJENS, RENIER J., US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2021-10-29
[86] 2020-04-30 (PCT/US2020/030690)
[87] (WO2020/223470)
[30] US (62/840,906) 2019-04-30

[21] **3,138,688**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **COMPENSATION MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE GESTION DE REMUNERATION**
[72] PHILLIPS, MICHAEL J., US
[72] SMITH, MICHAEL C., US
[72] CHEN, CYNTHIA, US
[72] HALEY, TRAVIS J., US
[72] CACACE, SEAN T., US
[71] BCIT, LLC, US
[85] 2021-10-29
[86] 2020-04-30 (PCT/US2020/030848)
[87] (WO2020/223557)
[30] US (62/840,959) 2019-04-30

[21] **3,138,689**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **COMPENSATION MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE GESTION DE COMPENSATION**
[72] PHILLIPS, MICHAEL J., US
[72] SMITH, MICHAEL C., US
[72] CHEN, CYNTHIA, US
[72] HALEY, TRAVIS J., US
[72] CACACE, SEAN T., US
[71] BCIT, LLC., US
[85] 2021-10-29
[86] 2020-04-30 (PCT/US2020/030855)
[87] (WO2020/223560)
[30] US (62/840,959) 2019-04-30

[21] **3,138,690**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **COMPENSATION MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE GESTION DE COMPENSATION**
[72] PHILLIPS, MICHAEL J., US
[72] SMITH, MICHAEL C., US
[72] CHEN, CYNTHIA, US
[72] HALEY, TRAVIS J., US
[72] CACACE, SEAN T., US
[71] BCIT, LLC, US
[85] 2021-10-29
[86] 2020-04-30 (PCT/US2020/030863)
[87] (WO2020/223563)
[30] US (62/840,959) 2019-04-30

[21] **3,138,691**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **COMPENSATION MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCESSUS DE GESTION DE REMUNERATION**
[72] PHILLIPS, MICHAEL J., US
[72] SMITH, MICHAEL C., US
[72] CHEN, CYNTHIA, US
[72] HALEY, TRAVIS J., US
[72] CACACE, SEAN T., US
[71] BCIT, LLC, US
[85] 2021-10-29
[86] 2020-04-30 (PCT/US2020/030866)
[87] (WO2020/223566)
[30] US (62/840,959) 2019-04-30

[21] **3,138,692**
[13] A1
[51] **Int.Cl. A45C 3/02 (2006.01) A45C 3/06 (2006.01) F41H 1/02 (2006.01)**
[25] EN
[54] **PERSONAL PROTECTIVE DEVICES WITH CARRYING BAGS**
[54] **DISPOSITIFS DE PROTECTION INDIVIDUELLE AVEC SACS DE TRANSPORT**
[72] WALSH, TIMOTHY, US
[72] FEDKIN, KOSTYANTYN, ZA
[71] WALSH, TIMOTHY, US
[71] FEDKIN, KOSTYANTYN, ZA
[85] 2021-10-29
[86] 2020-04-30 (PCT/US2020/030881)
[87] (WO2020/223574)
[30] US (62/841,756) 2019-05-01
[30] US (16/811,496) 2020-03-06

[21] **3,138,693**
[13] A1
[51] **Int.Cl. C09K 8/584 (2006.01) E21B 43/16 (2006.01)**
[25] EN
[54] **INJECTION FLUIDS COMPRISING ANIONIC SURFACTANTS AND ALKOXYLATED ALCOHOLS AND THE USE OF SUCH FLUIDS IN CHEMICAL ENHANCED OIL RECOVERY PROCESSES**
[54] **FLUIDES D'INJECTION COMPRENANT DES TENSIOACTIFS ANIONIQUES ET DES ALCOOLS ALCOXYLES ET LEUR UTILISATION DANS DES PROCEDES DE RECUPERATION ASSISTEE DU PETROLE PAR VOIE CHIMIQUE**
[72] NGUYEN, THU, US
[72] MORGAN, CARLA A., US
[72] FERNANDEZ, JORGE M., US
[71] SASOL CHEMICALS GMBH, DE
[85] 2021-10-29
[86] 2020-05-01 (PCT/US2020/030932)
[87] (WO2020/227052)
[30] US (62/842,663) 2019-05-03

[21] **3,138,694**
[13] A1
[51] **Int.Cl. B01D 19/04 (2006.01)**
[25] EN
[54] **NON-AQUEOUS DEFOAMER COMPOSITIONS AND THEIR USE TO CONTROL FOAMING OF NON-AQUEOUS FOAMS**
[54] **COMPOSITIONS ANTIMOUSSE NON AQUEUSES ET LEUR UTILISATION POUR REGULER LE MOUSSAGE DE MOUSSES NON AQUEUSES**
[72] VARADARAJ, RAMESH, US
[72] JAMES, OLLIE, US
[72] LANDRY, DUSTIN, US
[71] SASOL CHEMICALS GMBH, DE
[85] 2021-10-29
[86] 2020-05-01 (PCT/US2020/030936)
[87] (WO2020/227055)
[30] US (62/842,665) 2019-05-03

[21] **3,138,695**
[13] A1
[51] **Int.Cl. A61K 31/728 (2006.01) A61K 9/00 (2006.01) A61L 27/54 (2006.01) A61L 31/14 (2006.01) A61M 36/04 (2006.01) A61N 5/00 (2006.01)**
[25] EN
[54] **IMPROVED TISSUE SPACERS**
[54] **ESPACEURS DE TISSU AMELIORES**
[72] GAY, BRENT TRAVIS, US
[71] PALETTE LIFE SCIENCES, INC., US
[85] 2021-10-29
[86] 2020-05-01 (PCT/US2020/031056)
[87] (WO2020/227107)
[30] US (62/843,267) 2019-05-03

[21] **3,138,696**
[13] A1
[51] **Int.Cl. F17C 1/04 (2006.01)**
[25] EN
[54] **POLYMERIC LINER BASED GAS CYLINDER WITH REDUCED PERMEABILITY**
[54] **BOUTEILLE DE GAZ A BASE DE REVETEMENT POLYMERE AYANT UNE PERMEABILITE REDUITE**
[72] VOLKMER, MICHAEL GREGORY, US
[72] JOHN, DUSTIN JOSEPH, US
[72] CEDERBERG, CHAD ALVIN, US
[72] MORGAN, DAVID NEIL, US
[72] MAKINSON, JOHN DAVID, US
[71] AGILITY FUEL SYSTEMS LLC, US
[85] 2021-10-28
[86] 2020-05-01 (PCT/US2020/031104)
[87] (WO2020/223666)
[30] US (62/842,366) 2019-05-02

[21] **3,138,697**
[13] A1
[51] **Int.Cl. H04L 9/06 (2006.01) H04L 9/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ADDING AND COMPARING INTEGERS ENCRYPTED WITH QUASIGROUP OPERATIONS IN AES COUNTER MODE ENCRYPTION**
[54] **SYSTEME ET PROCEDE D'ADDITION ET DE COMPARAISON DE NOMBRES ENTIERS CHIFFRES AVEC DES OPERATIONS DE QUASI-GROUPE DANS UN CHIFFREMENT EN MODE COMPTEUR AES**
[72] KOLTE, PRIYADARSHAN, US
[72] JACKSON, SPENCE, US
[72] SHANMUGAVELAYUTHAM, PALANIVEL RAJAN, US
[72] BELLARE, MIHIR, US
[71] BAFFLE, INC., US
[85] 2021-10-28
[86] 2020-05-01 (PCT/US2020/031156)
[87] (WO2020/223691)
[30] US (16/401,085) 2019-05-01

[21] **3,138,698**
[13] A1
[51] **Int.Cl. A61K 38/10 (2006.01) A61P 13/08 (2006.01)**
[25] EN
[54] **METHOD OF ENHANCING THE THERAPEUTIC EFFICACY OF FEXAPOTIDE TRIFLUTATE IN TREATING LUTS**
[54] **PROCEDE D'AMELIORATION DE L'EFFICACITE THERAPEUTIQUE DE LA FEXAPOTIDE TRIFLUTATE DANS LE TRAITEMENT DES SYMPTOMES DU BAS APPAREIL URINAIRE**
[72] AVERBACK, PAUL, MC
[71] NYMOX CORPORATION, US
[85] 2021-10-29
[86] 2020-05-07 (PCT/US2020/031792)
[87] (WO2020/231727)
[30] US (16/410,639) 2019-05-13

[21] **3,138,699**
[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/168 (2006.01) A61M 39/28 (2006.01)**
[25] EN
[54] **INFUSION PUMP ALIGNMENT FEATURES FOR VERTICALLY-ORIENTATED IV TUBES**
[54] **ELEMENTS D'ALIGNEMENT DE POMPE A PERFUSION DESTINES A DES TUBES IV ORIENTES VERTICALEMENT**
[72] SLABY, JIRI, US
[72] PIPPIN, STEVE, US
[72] BORON, KEVIN, US
[72] CUEVAS, ROBERTO, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2021-10-29
[86] 2020-05-08 (PCT/US2020/032075)
[87] (WO2020/227621)
[30] US (62/845,435) 2019-05-09

[21] **3,138,700**
[13] A1
[51] **Int.Cl. G06F 9/50 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USING A CALL CHAIN TO IDENTIFY DEPENDENCIES AMONG A PLURALITY OF MICROSERVICES**
[54] **SYSTEMES ET PROCEDES POUR UTILISER UNE CHAINE D'APPELS POUR IDENTIFIER DES DEPENDANCES PARMI UNE PLURALITE DE MICROSERVICES**
[72] WHITE, JEREMY, US
[71] CITRIX SYSTEMS, INC., US
[85] 2021-10-29
[86] 2020-05-11 (PCT/US2020/032329)
[87] (WO2020/231914)
[30] US (16/414,628) 2019-05-16

[21] **3,138,701**
[13] A1
[51] **Int.Cl. A23P 30/32 (2016.01)**
[25] EN
[54] **MULTIPLE-PRESS, MULTIPLE-EXPANSION APPARATUS AND METHODS FOR MAKING FOOD PRODUCTS**
[54] **APPAREIL A PRESSION MULTIPLE, A EXPANSION MULTIPLE ET PROCEDES DE FABRICATION DE PRODUITS ALIMENTAIRES**
[72] VAN POUCKE, STEVEN, US
[71] IDEAL SNACKS CORPORATION, US
[85] 2021-10-29
[86] 2020-05-13 (PCT/US2020/032597)
[87] (WO2020/232071)
[30] US (16/411,769) 2019-05-14

[21] **3,138,702**
[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/005 (2006.01) A61B 1/01 (2006.01) A61B 1/018 (2006.01)**
[25] EN
[54] **SYSTEMS AND DEVICES FOR AN ENDOSCOPE TUBELESS WORKING CHANNEL**
[54] **SYSTEMES ET DISPOSITIFS POUR UN CANAL DE TRAVAIL D'ENDOSCOPE SANS TUBE**
[72] CAHILL, RYAN, US
[72] MCALLISTER, EARL, US
[72] BURNHAM, ALEXANDER JOSEPH, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2021-10-29
[86] 2020-05-15 (PCT/US2020/033037)
[87] (WO2020/236546)
[30] US (62/849,300) 2019-05-17

[21] **3,138,703**
[13] A1
[51] **Int.Cl. A23F 5/24 (2006.01) G06Q 30/06 (2012.01) G06F 3/0482 (2013.01) A23F 5/26 (2006.01) A23F 5/46 (2006.01) B67D 1/00 (2006.01) G07F 13/06 (2006.01)**
[25] EN
[54] **COFFEE FORMULATION**
[54] **FORMULATION DE CAFE**
[72] LANE, SUE, US
[72] LAWRENCE, LASHAWNDRA, US
[72] DISTEFANO, COURTNEY CHIANG, US
[71] THE COCA-COLA COMPANY, US
[85] 2021-10-29
[86] 2020-05-15 (PCT/US2020/033158)
[87] (WO2020/236602)
[30] US (62/849,486) 2019-05-17

[21] **3,138,704**
[13] A1
[51] **Int.Cl. H02J 1/00 (2006.01) G06F 1/26 (2006.01) G06F 13/40 (2006.01) H02J 1/08 (2006.01)**
[25] EN
[54] **POWER MANAGER WITH RECONFIGURABLE POWER CONVERTING CIRCUITS**
[54] **GESTIONNAIRE DE PUISSANCE A CIRCUITS DE CONVERSION DE PUISSANCE RECONFIGURABLES**
[72] LONG, DAVID N., US
[72] PIELA, NICHOLAS J., US
[72] BUTLER, DAVID J., US
[71] GALVION SOLDIER POWER, LLC, US
[85] 2021-10-29
[86] 2020-05-15 (PCT/US2020/033207)
[87] (WO2020/236623)
[30] US (16/415,336) 2019-05-17

[21] **3,138,705**
[13] A1
[51] **Int.Cl. G06F 3/16 (2006.01) G06F 16/332 (2019.01) G06F 40/35 (2020.01)**
[25] EN
[54] **VOICE-INTEGRATED AGRICULTURAL SYSTEM**
[54] **SYSTEME AGRICOLE A INTEGRATION VOCALE**
[72] AQUINO, MARIO, US
[72] GRAILER, ROBERT, US
[72] PALMER, TIM, US
[72] TURCOTTE, ERIC, US
[72] MELCHING, JEFF, US
[71] THE CLIMATE CORPORATION, US
[85] 2021-10-29
[86] 2020-05-15 (PCT/US2020/033271)
[87] (WO2020/236652)
[30] US (62/849,589) 2019-05-17

[21] **3,138,706**
[13] A1
[51] **Int.Cl. A61M 1/28 (2006.01) A61M 1/00 (2006.01) A61M 1/16 (2006.01) B65B 3/28 (2006.01)**
[25] EN
[54] **MEDICAMENT PREPARATION DEVICES, METHODS, AND SYSTEMS**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES DE PREPARATION DE MEDICAMENT**
[72] FRIEDERICHS, GOETZ, US
[72] HUGHES, KEVIN, US
[71] NXSTAGE MEDICAL, INC., US
[85] 2021-10-29
[86] 2020-05-21 (PCT/US2020/033967)
[87] (WO2020/237033)
[30] US (62/851,893) 2019-05-23

[21] **3,138,707**
[13] A1
[51] **Int.Cl. A61K 31/573 (2006.01) A61K 35/17 (2015.01) A61K 38/34 (2006.01)**
[25] EN
[54] **METHODS OF ADMINISTERING CHIMERIC ANTIGEN RECEPTOR IMMUNOTHERAPY**
[54] **METHODES D'ADMINISTRATION D'IMMUNOTHERAPIE PAR RECEPTEUR D'ANTIGENE CHIMERIQUE**
[72] JAIN, RAJUL, US
[72] VEZAN, REMUS, US
[71] KITE PHARMA, INC., US
[85] 2021-10-29
[86] 2020-05-03 (PCT/US2020/031231)
[87] (WO2020/227177)
[30] US (62/843,190) 2019-05-03
[30] US (62/855,828) 2019-05-31
[30] US (62/868,262) 2019-06-28
[30] US (62/931,669) 2019-11-06
[30] US (62/944,903) 2019-12-06

[21] **3,138,708**
[13] A1
[51] **Int.Cl. A24F 40/50 (2020.01) A61B 5/1172 (2016.01) A24F 40/00 (2020.01) A24F 40/42 (2020.01) A24F 40/51 (2020.01) A61M 11/04 (2006.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **VAPORIZER DEVICE WITH SENSOR, METHOD FOR IDENTIFYING A USER OF A VAPORIZER DEVICE, AND SYSTEM FOR BIOMETRIC RECOGNITION OF A VAPORIZER DEVICE**
[54] **DISPOSITIF DE VAPORISATEUR AVEC CAPTEUR, PROCEDE D'IDENTIFICATION D'UN UTILISATEUR D'UN DISPOSITIF DE VAPORISATEUR, ET SYSTEME DE RECONNAISSANCE BIOMETRIQUE D'UN DISPOSITIF DE VAPORISATEUR**
[72] CAZZOLI, JAMES R., US
[72] TARSIA, MAURIZIO, US
[71] JUUL LABS, INC., US
[85] 2021-10-29
[86] 2020-05-05 (PCT/US2020/031457)
[87] (WO2020/227284)
[30] US (62/843,656) 2019-05-06
[30] US (62/863,763) 2019-06-19

[21] **3,138,709**
[13] A1
[51] **Int.Cl. H04W 12/06 (2021.01) H04N 21/462 (2011.01) G06F 21/31 (2013.01) G06F 3/01 (2006.01) G06F 3/16 (2006.01) H04B 11/00 (2006.01)**
[25] EN
[54] **DEVICE AND QUERY MANAGEMENT SYSTEM**
[54] **DISPOSITIF ET SYSTEME DE GESTION D'INTERROGATION**
[72] SHOOP, DAVID D., US
[72] WONDRA, DYLAN M., US
[71] ROVI GUIDES, INC., US
[85] 2021-10-29
[86] 2020-05-06 (PCT/US2020/031564)
[87] (WO2020/227339)
[30] US (16/406,813) 2019-05-08

[21] **3,138,710**
[13] A1
[51] **Int.Cl. F16L 37/133 (2006.01) F17D 5/00 (2006.01) G06K 19/067 (2006.01)**
[25] EN
[54] **FLUID LINE CONNECTOR AND ASSEMBLY WITH SECUREMENT DETECTION**
[54] **RACCORD ET ENSEMBLE DE CONDUITE DE FLUIDE AVEC DETECTION DE FIXATION**
[72] IGNACZAK, BRIAN T., US
[72] SCHINDLER, RENE, DE
[72] PUVOGEL, THOMAS A., US
[71] NORMA U.S. HOLDING LLC, US
[85] 2021-10-29
[86] 2020-05-06 (PCT/US2020/031574)
[87] (WO2020/227346)
[30] US (16/404,551) 2019-05-06

[21] **3,138,711**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/30 (2020.01) A24F 40/42 (2020.01)**
[25] EN
[54] **INSERT FOR USE WITH VAPORIZER DEVICE**
[54] **INSERT DESTINE A ETRE UTILISE AVEC UN DISPOSITIF VAPORISATEUR**
[72] BATLEY, OLIVER J., US
[72] GARCIA-DOTY, IAN, US
[72] KALOGEROPOULOS, XENOFON, US
[72] KURZMAN, JOSHUA A., US
[72] MAUCHLE, ALEXANDER R., US
[72] NEWBOLD, ANDREW D., US
[72] SMITH, SIMON J., US
[72] VIEIRA, PAUL R., US
[71] JUUL LABS, INC., US
[85] 2021-10-29
[86] 2020-05-06 (PCT/US2020/031628)
[87] (WO2020/227377)
[30] US (62/844,001) 2019-05-06
[30] US (62/863,227) 2019-06-18
[30] GR (20190100302) 2019-07-12
[30] US (62/876,575) 2019-07-19

[21] **3,138,712**
[13] A1
[51] **Int.Cl. C08F 2/00 (2006.01) C08L 23/12 (2006.01)**
[25] EN
[54] **POLYPROPYLENE-POLYETHYLENE COMPOSITION WITH IMPROVED TOUGHNESS**
[54] **COMPOSITION DE POLYPROPYLENE-POLYETHYLENE A TENACITE AMELIOREE**
[72] WANG, JINGBO, AT
[72] GAHLEITNER, MARKUS, AT
[72] BERNREITNER, KLAUS, AT
[72] BRAUN, HERMANN, AT
[71] BOREALIS AG, AT
[85] 2021-10-29
[86] 2020-04-28 (PCT/EP2020/061750)
[87] (WO2020/221739)
[30] EP (19171937.6) 2019-04-30

[21] **3,138,713**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/39 (2006.01) A61P 37/02 (2006.01) A61P 37/06 (2006.01) C12N 9/02 (2006.01)**
[25] EN
[54] **IMMUNOGENIC PEPTIDES WITH AN OXIDOREDUCTASE MOTIF COMPRISING A MODIFIED CYSTEINE**
[54] **PEPTIDES IMMUNOGENES AVEC UN MOTIF OXYDOREDUCTASE COMPRENANT UNE CYSTEINE MODIFIEE**
[72] ERAK, MILOS, BE
[71] IMCYSE SA, BE
[85] 2021-10-29
[86] 2020-05-18 (PCT/EP2020/063860)
[87] (WO2020/229703)
[30] EP (19174917.5) 2019-05-16

[21] **3,138,714**
[13] A1
[51] **Int.Cl. C07C 273/04 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE SYNTHESIS OF UREA**
[54] **PROCEDE DE SYNTHESE D'UREE**
[72] MARRONE, LEONARDO, IT
[72] BERTINI, PAOLO, CH
[71] CASALE SA, CH
[85] 2021-10-29
[86] 2020-06-09 (PCT/EP2020/065970)
[87] (WO2021/008783)
[30] EP (19186881.9) 2019-07-18

[21] **3,138,715**
[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61K 9/00 (2006.01) A61K 38/00 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) C07K 14/605 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL PARENTERAL COMPOSITION OF DUAL GLP1/2 AGONIST**
[54] **COMPOSITION PHARMACEUTIQUE PARENTERALE D'AGONISTE DE GLP1/2 DOUBLE**
[72] GIEHM, LISE, DK
[72] EDWARDS, ALISTAIR VINCENT GORDON, DK
[71] ZEALAND PHARMA A/S, DK
[85] 2021-10-29
[86] 2020-06-12 (PCT/EP2020/066376)
[87] (WO2020/249778)
[30] EP (19180233.9) 2019-06-14

[21] **3,138,716**
[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61K 9/00 (2006.01) A61K 38/00 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) C07K 14/605 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL PARENTERAL COMPOSITION OF DUAL GLP1/2 AGONIST**
[54] **COMPOSITION PHARMACEUTIQUE PARENTERALE D'AGONISTE GLP1/2 DOUBLE**
[72] GIEHM, LISE, DK
[72] EDWARDS, ALISTAIR VINCENT GORDON, DK
[71] ZEALAND PHARMA A/S, DK
[85] 2021-10-29
[86] 2020-06-12 (PCT/EP2020/066381)
[87] (WO2020/249782)
[30] EP (19180233.9) 2019-06-14

[21] **3,138,717**
[13] A1
[51] **Int.Cl. A61B 5/1459 (2006.01) G01N 21/64 (2006.01) G01N 21/77 (2006.01) G01N 31/22 (2006.01)**
[25] EN
[54] **CALIBRATION OF A GAS SENSOR**
[54] **ETALONNAGE D'UN CAPTEUR DE GAZ**
[72] BARWELL, NICHOLAS PAUL, GB
[72] CRANE, BARRY COLIN, GB
[72] SAGAR, PRAVEEN, GB
[72] MACKENZIE, ALASDAIR ALLAN, GB
[71] SCILOGICA CORP., US
[85] 2021-10-29
[86] 2020-05-01 (PCT/GB2020/051066)
[87] (WO2020/222014)
[30] US (16/402,040) 2019-05-02
[30] EP (19190352.5) 2019-08-06

[21] **3,138,718**
[13] A1
[51] **Int.Cl. A24F 40/50 (2020.01) H04B 10/114 (2013.01) A24F 40/65 (2020.01) A61M 15/06 (2006.01)**
[25] EN
[54] **ELECTRONIC VAPOUR PROVISION SYSTEM WITH OPTICAL WIRELESS COMMUNICATIONS**
[54] **SYSTEME DE FOURNITURE DE VAPEUR ELECTRONIQUE AVEC COMMUNICATIONS OPTIQUES SANS FIL**
[72] MOLONEY, PATRICK, GB
[72] BAKER, DARRYL, GB
[72] KORUS, ANTON, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2021-10-29
[86] 2020-05-01 (PCT/GB2020/051081)
[87] (WO2020/225541)
[30] GB (1906243.9) 2019-05-03

[21] **3,138,719**
[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **CHROMOSOME CONFORMATION MARKERS OF PROSTATE CANCER AND LYMPHOMA**
[54] **MARQUEURS DE CONFORMATION CHROMOSOMIQUE DU CANCER DE LA PROSTATE ET DU LYMPHOME**
[72] HUNTER, EWAN, GB
[72] RAMADASS, AROUL, GB
[72] AKOULITCHEV, ALEXANDRE, GB
[71] OXFORD BIODYNAMICS PLC, GB
[85] 2021-10-29
[86] 2020-05-06 (PCT/GB2020/051105)
[87] (WO2020/225551)
[30] GB (1906487.2) 2019-05-08
[30] GB (1914729.7) 2019-10-11
[30] GB (2006286.5) 2020-04-29

[21] **3,138,720**
[13] A1
[51] **Int.Cl. C07C 29/151 (2006.01) C07C 31/04 (2006.01)**
[25] EN
[54] **PROCESS FOR SYNTHESISING METHANOL**
[54] **PROCEDE DE SYNTHESE DE METHANOL**
[72] EARLY, SIMON ROBERT, GB
[71] JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, GB
[85] 2021-10-29
[86] 2020-05-11 (PCT/GB2020/051141)
[87] (WO2020/249923)
[30] GB (1908450.8) 2019-06-12

[21] **3,138,721**
[13] A1
[51] **Int.Cl. B65D 75/58 (2006.01)**
[25] EN
[54] **MULTI-LAYER COVERS WITH DETACHABLE SEGMENT AND METHOD OF THEIR PRODUCTION**
[54] **RABATS MULTICOUCHES A SEGMENT AMOVIBLE ET LEUR PROCEDE DE PRODUCTION**
[72] GKIKA, ANASTASIA, GR
[72] GKIKAS, KONSTANTINOS, GR
[71] K.GKIKAS & CO LP, GR
[85] 2021-10-29
[86] 2020-04-07 (PCT/IB2020/053293)
[87] (WO2020/225618)
[30] GR (20190100201) 2019-05-09
[30] GR (20190100202) 2019-05-09

[21] **3,138,722**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) G01N 33/02 (2006.01)**
[25] EN
[54] **SAMPLING SYSTEM WITH A REPLACEABLE CASSETTE ASSEMBLY AND METHODS OF USING THE SAME**
[54] **SYSTEME D'ECHANTILLONNAGE AVEC ENSEMBLE CASSETTE REMPLACABLE ET PROCEDES D'UTILISATION DE CELUI-CI**
[72] NEWBOLD, DAVID DIXON, US
[72] HANSEN, DAVID ANDREW, US
[72] PEPPER, CLINTON BOYD, US
[71] LONZA LTD., CH
[85] 2021-10-29
[86] 2020-04-27 (PCT/IB2020/053956)
[87] (WO2020/225645)
[30] US (62/844,688) 2019-05-07

[21] **3,138,723**
[13] A1
[51] **Int.Cl. B62B 3/02 (2006.01) B62B 5/00 (2006.01)**
[25] EN
[54] **EXTENSION GATE FOR TROLLEY**
[54] **BARRIERE D'EXTENSION POUR CHARIOT**
[72] YU, HAI, CN
[72] WANG, CHE-JEN, CN
[71] ZHUHAI SHICHANG METALS LTD, CN
[85] 2021-10-29
[86] 2020-04-30 (PCT/IB2020/054089)
[87] (WO2020/222164)
[30] CN (201920617757.3) 2019-04-30
[30] CN (202010014510.X) 2020-01-07

[21] **3,138,724**
[13] A1
[51] **Int.Cl. H01Q 3/04 (2006.01) H01Q 1/12 (2006.01) H01Q 1/27 (2006.01) H01Q 1/42 (2006.01) H01Q 3/24 (2006.01) H01Q 3/26 (2006.01) H01Q 15/02 (2006.01) H01Q 21/06 (2006.01)**
[25] EN
[54] **IMPROVED GAIN ROLL-OFF FOR HYBRID MECHANICAL-LENS ANTENNA PHASED ARRAYS**
[54] **AFFAIBLISSEMENT DE GAIN AMELIORE POUR RESEAUX A COMMANDE DE PHASE D'ANTENNE A LENTILLE MECANIQUE HYBRIDE**
[72] SCARBOROUGH, CLINTON P., US
[72] TURPIN, JEREMIAH P., US
[72] BILLMAN, BRIAN M., US
[72] FINNEY, JOHN, GB
[71] ISOTROPIC SYSTEMS LTD, GB
[85] 2021-10-29
[86] 2020-05-01 (PCT/IB2020/054158)
[87] (WO2020/225688)
[30] US (62/842,905) 2019-05-03

[21] **3,138,725**
[13] A1
[51] **Int.Cl. B32B 21/14 (2006.01) B82Y 30/00 (2011.01) B27D 1/00 (2006.01) B27K 3/02 (2006.01) B32B 7/12 (2006.01) B32B 21/04 (2006.01) C09D 101/02 (2006.01) B05D 7/06 (2006.01) D21H 11/18 (2006.01)**
[25] EN
[54] **NOVEL LAMINATED VENEER LUMBER PRODUCT AND METHOD FOR MANUFACTURING THEREOF**
[54] **NOUVEAU PRODUIT DE BOIS DE PLACAGE STRATIFIE ET SON PROCEDE DE FABRICATION**
[72] PYNNONEN, JANNE, FI
[71] STORA ENSO OYJ, FI
[85] 2021-10-29
[86] 2020-04-27 (PCT/IB2020/053920)
[87] (WO2020/222102)
[30] SE (1950524-7) 2019-05-02

[21] **3,138,726**
[13] A1
[51] **Int.Cl. C07D 211/46 (2006.01) A61K 31/445 (2006.01) A61K 31/4525 (2006.01) A61K 31/453 (2006.01) A61K 31/4535 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/506 (2006.01) A61P 1/16 (2006.01) A61P 3/00 (2006.01) A61P 25/28 (2006.01) C07D 401/04 (2006.01) C07D 401/10 (2006.01) C07D 401/14 (2006.01) C07D 405/06 (2006.01) C07D 405/10 (2006.01) C07D 409/06 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **NON-LYSOSOMAL GLUCOSYLCERAMIDASE INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE GLUCOSYLCERAMIDASE NON LYSOSOMALE ET LEURS UTILISATIONS**
[72] KAUL, RAMESH, CA
[72] MCEACHERN, ERNEST J., CA
[72] SUN, JIANYU, CA
[72] VOCADLO, DAVID J., CA
[72] ZHOU, YUANXI, CA
[72] ZHU, YONGBAO, CA
[71] ALECTOS THERAPEUTICS INC., CA
[85] 2021-10-29
[86] 2020-05-07 (PCT/IB2020/054355)
[87] (WO2020/229968)
[30] US (62/846,011) 2019-05-10

[21] **3,138,727**
[13] A1
[51] **Int.Cl. A61K 31/155 (2006.01) A61K 31/164 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **SYNERGISTIC BIOACTIVE COMPOSITIONS FOR TREATING NEUROLOGICAL DISORDERS**
[54] **COMPOSITIONS BIOACTIVES SYNERGIQUES POUR TRAITER DES TROUBLES NEUROLOGIQUES**
[72] T, RAJENDRA PRASAD, IN
[72] DHAMANE, DHIRAJ, IN
[71] CELAGENEX RESEARCH (INDIA) PVT. LTD., IN
[85] 2021-10-29
[86] 2020-09-09 (PCT/IN2020/050780)
[87] (WO2021/048871)
[30] IN (201921019337) 2019-09-15

[21] **3,138,729**
[13] A1
[51] **Int.Cl. G01G 21/22 (2006.01) B65B 1/04 (2006.01) B65B 1/32 (2006.01) G01G 7/02 (2006.01) G01G 15/04 (2006.01) G01G 23/14 (2006.01)**
[25] EN
[54] **METHOD TO WEIGH CONTAINERS**
[54] **PROCEDE DE PESAGE DE CONTENANTS**
[72] CHIANURA, MATTIA, IT
[72] TREBBI, CLAUDIO, IT
[71] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT
[85] 2021-10-29
[86] 2020-05-19 (PCT/IT2020/050127)
[87] (WO2020/240601)
[30] IT (102019000007266) 2019-05-27

[21] **3,138,731**
[13] A1
[51] **Int.Cl. H02P 29/60 (2016.01) H02P 6/06 (2006.01) H02P 23/00 (2016.01) C22B 1/00 (2006.01)**
[25] EN
[54] **CONTROL APPARATUS AND METHOD TO CONTROL A HIGH-POWER ELECTRIC MOTOR**
[54] **APPAREIL DE COMMANDE ET PROCEDE DE COMMANDE D'UN MOTEUR ELECTRIQUE HAUTE PUISSANCE**
[72] ARDESI, ALESSANDRO, IT
[72] MUSCARNERA, GIUSEPPE, IT
[71] DANIELI AUTOMATION S.P.A., IT
[85] 2021-10-29
[86] 2021-03-10 (PCT/IT2021/050055)
[87] (WO2021/181435)
[30] IT (102020000005371) 2020-03-12

[21] **3,138,736**
[13] A1
[51] **Int.Cl. A61J 3/00 (2006.01) G16H 20/10 (2018.01)**
[25] EN
[54] **DRUG AUDIT SUPPORT DEVICE, DRUG AUDIT SUPPORT SYSTEM, AND DRUG AUDIT METHOD**
[54] **DISPOSITIF ET SYSTEME DE SUPPORT D'AUDIT DE MEDICAMENT, ET PROCEDE D'AUDIT DE MEDICAMENT**
[72] YUYAMA, HIROYUKI, JP
[71] YUYAMA MFG. CO., LTD., JP
[85] 2021-10-29
[86] 2020-06-04 (PCT/JP2020/022064)
[87] (WO2020/246534)
[30] JP (2019-107302) 2019-06-07

[21] **3,138,739**
[13] A1
[51] **Int.Cl. A01G 7/04 (2006.01) F21K 9/20 (2016.01) A01G 9/14 (2006.01) A01G 9/20 (2006.01) G05B 15/02 (2006.01)**
[25] EN
[54] **POWER AND COMMUNICATION ADAPTER FOR LIGHTING SYSTEM FOR INDOOR GROW APPLICATION**
[54] **ADAPTATEUR D'ALIMENTATION ET DE COMMUNICATION POUR SYSTEME D'ECLAIRAGE DESTINE A LA CULTURE EN INTERIEUR**
[72] CAI, DENGKE, US
[72] MASON, MARTIN RAY, US
[71] HGCI, INC., US
[85] 2021-10-29
[86] 2020-05-08 (PCT/US2020/032034)
[87] (WO2020/227607)
[30] US (62/844,926) 2019-05-08

[21] **3,138,741**
[13] A1
[51] **Int.Cl. C07D 519/00 (2006.01) C09K 11/06 (2006.01)**
[25] EN
[54] **BENZODITHIOPHENE CONJUGATED POLYMERS AND ORGANIC DEVICES CONTAINING THEM**
[54] **POLYMERES CONJUGUES DE BENZODITHIOPHENE ET DISPOSITIFS ORGANIQUES LES CONTENANT**
[72] BIANCHI, GABRIELE, IT
[71] ENI S.P.A., IT
[85] 2021-08-20
[86] 2020-03-06 (PCT/IB2020/051972)
[87] (WO2020/178796)
[30] IT (102019000003241) 2019-03-06

[21] **3,138,742**
[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 8/00 (2006.01) A61B 8/08 (2006.01) A61B 8/12 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01) A61B 17/22 (2006.01)**
[25] EN
[54] **DIRECTIONAL BALLOON TRANSSEPTAL INSERTION DEVICE FOR MEDICAL PROCEDURES**
[54] **DISPOSITIF D'INSERTION PAR VOIE TRANSSEPTALE DE BALLONNET DIRECTIONNEL POUR PROCEDURES MEDICALES**
[72] MAINI, BRIJESHWAR S., US
[71] EAST END MEDICAL LLC, US
[85] 2021-09-16
[86] 2020-03-19 (PCT/US2020/023518)
[87] (WO2020/191133)
[30] US (62/821,062) 2019-03-20

[21] **3,138,743**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) B60L 53/35 (2019.01) B60L 53/37 (2019.01) B25J 18/00 (2006.01)**
[25] EN
[54] **CHARGING INFRASTRUCTURE WITH A HEXAPOD CHARGING STATION FOR A VEHICLE**
[54] **INFRASTRUCTURE DE RECHARGE A BORNE DE RECHARGE HEXAPODE POUR VEHICULE**
[72] VAN DER WEIJDE, JOHANNES
OOSTEN, NL
[71] ROCSYS B.V., NL
[85] 2021-10-29
[86] 2020-04-29 (PCT/NL2020/050266)
[87] (WO2020/222640)
[30] NL (2023019) 2019-04-29

[21] **3,138,747**
[13] A1
[51] **Int.Cl. B33Y 70/00 (2020.01) B01J 8/32 (2006.01) C23C 24/08 (2006.01)**
[25] EN
[54] **FUNCTIONALIZED METAL POWDERS BY SMALL PARTICLES MADE BY NON-THERMAL PLASMA GLOW DISCHARGE FOR ADDITIVE MANUFACTURING APPLICATIONS**
[54] **POUDRES METALLIQUES FONCTIONNALISEES PAR DE PETITES PARTICULES FABRIQUEES PAR DECHARGE LUMINESCENTE A PLASMA NON THERMIQUE POUR DES APPLICATIONS DE FABRICATION ADDITIVE**
[72] DELMEE, MAXIME, BE
[72] MERTZ, GREGORY, FR
[71] AM 4 AM S.A R.L., LU
[85] 2021-10-13
[86] 2020-04-14 (PCT/EP2020/060401)
[87] (WO2020/212312)
[30] LU (LU101177) 2019-04-16

[21] **3,138,748**
[13] A1
[51] **Int.Cl. E21B 43/013 (2006.01) E21B 43/01 (2006.01) F16L 1/16 (2006.01) F16L 1/23 (2006.01) F16L 1/26 (2006.01)**
[25] EN
[54] **DIRECT TIE-IN OF SUBSEA CONDUITS AND STRUCTURES**
[54] **AMARRAGE DIRECT DE CONDUITES ET DE STRUCTURES SOUS-MARINES**
[72] ILSTAD, HAVAR, NO
[72] LEVOLD, ERIK, NO
[72] ENDAL, GEIR, NO
[72] ELLINGSEN, KJELL EINAR, NO
[72] EIDESEN, BJORGULF
HAUKELIDSÆTER, NO
[71] EQUINOR ENERGY AS, NO
[85] 2021-10-29
[86] 2020-05-20 (PCT/NO2020/050134)
[87] (WO2020/236011)
[30] GB (1907104.2) 2019-05-20

[21] **3,138,749**
[13] A1
[51] **Int.Cl. A61M 5/19 (2006.01) A61M 5/31 (2006.01) A61M 39/10 (2006.01) A61M 39/22 (2006.01) A61M 5/178 (2006.01) A61M 39/00 (2006.01)**
[25] EN
[54] **MEDICATION DELIVERY SYSTEM WITH CONTROL VALVE**
[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT AVEC VALVE DE COMMANDE**
[72] ODA, TODD, US
[72] MANSOUR, GEORGE, US
[72] MASON, EUGENE, US
[72] BEYHL, DYLAN, US
[71] CAREFUSION 303, INC., US
[85] 2021-10-29
[86] 2020-05-01 (PCT/US2020/031069)
[87] (WO2020/227111)
[30] US (16/403,403) 2019-05-03

[21] **3,138,750**
[13] A1
[51] **Int.Cl. B64C 29/00 (2006.01) B64C 9/14 (2006.01) B64C 21/04 (2006.01) B64C 39/00 (2006.01) B64C 39/08 (2006.01) B64C 11/00 (2006.01)**
[25] EN
[54] **PERSONAL FLIGHT APPARATUS WITH VERTICAL TAKE-OFF AND LANDING**
[54] **APPAREIL DE VOL PERSONNEL A DECOLLAGE ET ATTERRISSAGE VERTICAUX**
[72] SABIE, RAZVAN, RO
[71] SABIE, RAZVAN, RO
[85] 2021-10-15
[86] 2019-04-11 (PCT/RO2019/000011)
[87] (WO2019/203673)
[30] RO (a 2018 00268) 2018-04-17

[21] **3,138,773**
[13] A1
[51] **Int.Cl. A61M 1/34 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **FLOW SYNCHRONIZATION DEVICES, METHODS AND SYSTEMS**
[54] **DISPOSITIFS, PROCEDES, ET SYSTEMES DE SYNCHRONISATION D'ECOULEMENT**
[72] JAMES, JEROME, US
[71] NXSTAGE MEDICAL, INC., US
[85] 2021-10-29
[86] 2020-05-22 (PCT/US2020/034420)
[87] (WO2020/237228)
[30] US (62/851,922) 2019-05-23

[21] **3,138,774**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) G06F 1/26 (2006.01) H02J 1/00 (2006.01) H02M 3/158 (2006.01)**
[25] EN
[54] **ADVANCED BATTERY CHARGING ON MODULAR LEVELS OF ENERGY STORAGE SYSTEMS**
[54] **CHARGE DE BATTERIE AVANCEE SUR DES NIVEAUX MODULAIRES DE SYSTEMES D'ACCUMULATION D'ENERGIE**
[72] FASCHING, RAINER, US
[72] NADERI, ROOZBEH, US
[72] SLEPCHENKOV, MIKHAIL, US
[72] LOVENESS, GHYRN, US
[71] TAE TECHNOLOGIES, INC., US
[85] 2021-10-29
[86] 2020-05-29 (PCT/US2020/035437)
[87] (WO2020/243655)
[30] US (62/854,861) 2019-05-30

[21] **3,138,778**
[13] A1
[51] **Int.Cl. C11D 3/386 (2006.01) C11D 1/00 (2006.01) C11D 3/37 (2006.01) C11D 7/42 (2006.01)**
[25] EN
[54] **CLEANING COMPOSITION**
[54] **COMPOSITION NETTOYANTE**
[72] FOSSUM, RENAE DIANNA, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2021-10-29
[86] 2020-06-25 (PCT/US2020/039496)
[87] (WO2020/264077)
[30] US (62/868,136) 2019-06-28

[21] **3,138,779**
[13] A1
[51] **Int.Cl. B32B 7/03 (2019.01) B32B 7/10 (2006.01) B32B 27/08 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) B65D 35/28 (2006.01)**
[25] EN
[54] **DIMENSIONALLY STABLE RECYCLABLE PLASTIC PACKAGE**
[54] **EMBALLAGE EN PLASTIQUE RECYCLABLE DIMENSIONNELLEMENT STABLE**
[72] WANG, JUN, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2021-10-29
[86] 2020-05-05 (PCT/US2020/070023)
[87] (WO2020/227733)
[30] US (62/843,691) 2019-05-06
[30] US (16/721,472) 2019-12-19

[21] **3,138,780**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61P 11/14 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING COUGH BY USING DIAMINOPYRIMIDINE COMPOUND**
[54] **METHODE DE TRAITEMENT DE LA TOUX A L'AIDE D'UN COMPOSE DE DIAMINOPYRIMIDINE**
[72] ZHAO, YANPING, CN
[72] WANG, HONGJUN, CN
[72] HUANG, HUAI, CN
[72] JIANG, YUANYUAN, CN
[72] LIANG, HUINING, CN
[72] AN, RAN, CN
[72] LAN, ZHOU, CN
[72] WANG, JIN, CN
[72] ZHOU, LIYING, CN
[72] LIU, YANAN, CN
[71] BEIJING TIDE PHARMACEUTICAL CO., LTD., CN
[85] 2021-10-27
[86] 2020-04-29 (PCT/CN2020/087686)
[87] (WO2020/221274)
[30] CN (PCT/CN2019/085180) 2019-04-30

[21] **3,138,807**
[13] A1
[51] **Int.Cl. E21B 17/10 (2006.01) E21B 17/00 (2006.01)**
[25] EN
[54] **WEB PROTECTORS FOR USE IN A DOWNHOLE TOOL**
[54] **PROTECTEURS DE BANDE A UTILISER DANS UN OUTIL DE FOND DE TROU**
[72] ROBERTSON, MICHAEL C., US
[72] GRATTAN, ANTONY F., US
[72] STREIBICH, DOUGLAS J., US
[72] STEPHENS, AMY C., US
[71] ROBERTSON INTELLECTUAL PROPERTIES, LLC, US
[85] 2021-10-29
[86] 2020-05-01 (PCT/US2020/031095)
[87] (WO2020/223662)
[30] US (16/400,596) 2019-05-01

[21] **3,138,808**
[13] A1
[51] **Int.Cl. G01N 33/564 (2006.01)**
[25] EN
[54] **DETECTION OF BIOMARKERS ASSOCIATED WITH BRUGADA SYNDROME**
[54] **DETECTION DE BIOMARQUEURS ASSOCIES AU SYNDROME DE BRUGADA**
[72] HAMILTON, ROBERT, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[85] 2021-11-01
[86] 2020-05-01 (PCT/CA2020/050578)
[87] (WO2020/220136)
[30] US (62/842,124) 2019-05-02

[21] **3,138,809**
[13] A1
[51] **Int.Cl. C08L 51/10 (2006.01) C08J 3/09 (2006.01) C08J 9/28 (2006.01)**
[25] EN
[54] **COPOLYMER-SILICA HYBRID AEROGELS AND METHODS FOR THE PREPARATION THEREOF**
[54] **AEROGELS HYBRIDES DE COPOLYMERE-SILICE ET PROCEDES POUR LEUR PREPARATION**
[72] LU, JIANPING, CA
[72] ZHANG, ZHIYI, CA
[72] TAO, YE, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2021-11-01
[86] 2020-05-01 (PCT/CA2020/050581)
[87] (WO2020/220138)
[30] US (62/841,897) 2019-05-02
[30] US (63/010,865) 2020-04-16

[21] **3,138,810**
[13] A1
[51] **Int.Cl. A61K 8/73 (2006.01) A61K 8/02 (2006.01) A61K 8/04 (2006.01) A61K 8/06 (2006.01) A61K 8/64 (2006.01) A61K 9/14 (2006.01) A61K 47/38 (2006.01) A61K 47/42 (2017.01) B01J 13/04 (2006.01) C07K 1/00 (2006.01) C07K 14/435 (2006.01) C07K 17/12 (2006.01)**
[25] EN
[54] **MICROPARTICLES COMPRISING CELLULOSE NANOCRYSTALS AGGREGATED WITH PROTEINS AND COSMETIC USES THEREOF**
[54] **MICROPARTICULES COMPORTANT DES NANOCRISTAUX DE CELLULOSE AGREGES AVEC DES PROTEINES ET LEURS UTILISATIONS COSMETIQUES**
[72] ANDREWS, MARK P., CA
[72] MORSE, TIMOTHY, CA
[72] RAK, MONIKA, CA
[72] WU, JUNQI, CA
[72] HU, ZHEN, CA
[71] ANOMERA INC., CA
[85] 2021-11-01
[86] 2020-05-06 (PCT/CA2020/050603)
[87] (WO2020/227814)
[30] US (62/846,281) 2019-05-10

[21] **3,138,811**
[13] A1
[51] **Int.Cl. A61K 38/15 (2006.01) A61K 31/015 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61M 31/00 (2006.01) A61P 1/02 (2006.01) A61P 31/04 (2006.01) C07C 13/271 (2006.01) C07C 13/32 (2006.01) C07C 39/19 (2006.01) C07C 39/23 (2006.01) C07D 311/58 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **ANTIBIOTIC CANNABINOID-TERPENE FORMULATIONS**
[54] **FORMULATIONS ANTIBIOTIQUES A BASE DE CANNABINOIDE ET DE TERPENE**
[72] THOMPSON, CHARLES J., CA
[72] PRYJMA, MARK C., CA
[72] LAMBERT, DANA M., CA
[72] DOSANJH, MANISHA, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2021-11-01
[86] 2020-05-06 (PCT/CA2020/050613)
[87] (WO2020/223811)
[30] US (62/843,687) 2019-05-06

[21] **3,138,812**
[13] A1
[51] **Int.Cl. G01N 21/84 (2006.01)**
[25] EN
[54] **AUTOMATIC CROP CLASSIFICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CLASSIFICATION AUTOMATIQUE DE CULTURES**
[72] XIAN, CHANGCHI, CA
[72] BENGTSON, JACOB WALKER, CA
[71] FARMERS EDGE INC., CA
[85] 2021-11-01
[86] 2020-07-13 (PCT/CA2020/050973)
[87] (WO2021/007665)
[30] US (62/875,105) 2019-07-17

[21] **3,138,813**
[13] A1
[51] **Int.Cl. A47C 7/00 (2006.01)**
[25] EN
[54] **DETACHABLE FIVE-STAR BASE**
[54] **PIED DETACHABLE A CINQ ETOILES**
[72] YU, JINQIAN, CN
[71] ANJI JINTAI FASTENER CO., LTD., CN
[85] 2021-11-01
[86] 2019-05-28 (PCT/CN2019/088733)
[87] (WO2020/173007)
[30] CN (201910140507.X) 2019-02-26
[30] CN (201920239696.1) 2019-02-26

[21] **3,138,814**
[13] A1
[51] **Int.Cl. C12N 9/00 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **AMINOACYL-TRNA SYNTHETASE EFFICIENTLY INTRODUCING LYSINE DERIVATIVES**
[54] **AMINOACYL-ARNT SYNTHETASE INTRODUISANT EFFICACEMENT DES DERIVES DE LYSINE**
[72] LIU, HUILING, CN
[72] WU, SONG, CN
[72] ZHANG, ZHENSHAN, CN
[72] CHEN, WEI, CN
[71] SUZHOU KUNPENG BIOTECH CO., LTD., CN
[85] 2021-11-01
[86] 2020-04-30 (PCT/CN2020/088506)
[87] (WO2020/221365)
[30] CN (201910364788.7) 2019-04-30

[21] **3,138,815**
[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01)**
[25] EN
[54] **PUNCTURE CORE ASSEMBLY AND PUNCTURE DEVICE WITH PUNCTURE CORE ASSEMBLY**
[54] **ENSEMBLE NOYAU DE PERFORATION ET DISPOSITIF DE PERFORATION AYANT UN ENSEMBLE NOYAU DE PERFORATION**
[72] SUN, BAOFENG, CN
[72] HUANG, YE, CN
[71] FULBRIGHT MEDICAL INC., CN
[85] 2021-11-01
[86] 2020-05-01 (PCT/CN2020/088551)
[87] (WO2020/221369)
[30] CN (201910367365.0) 2019-05-02

[21] **3,138,816**
[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01)**
[25] EN
[54] **SUTURE LINE RELEASE MECHANISM, PUNCTURING CORE COMPONENT, PUNCTURE OUTFIT, AND USE METHOD THEREOF**
[54] **MECANISME DE LIBERATION DE LIGNE DE SUTURE, COMPOSANT DE NOYAU DE PERFORATION, EQUIPEMENT DE PERFORATION ET LEUR PROCEDE D'UTILISATION**
[72] SUN, BAOFENG, CN
[72] HUANG, YE, CN
[71] FULBRIGHT MEDICAL INC., CN
[85] 2021-11-01
[86] 2020-05-01 (PCT/CN2020/088552)
[87] (WO2020/221370)
[30] CN (201910367365.0) 2019-05-02

[21] **3,138,817**
[13] A1
[51] **Int.Cl. B65G 15/30 (2006.01) B65G 17/08 (2006.01) B65G 23/06 (2006.01) B65G 33/00 (2006.01) B65G 47/51 (2006.01)**
[25] EN
[54] **MODULAR CONVEYOR BELT LINK**
[54] **MAILLON DE COURROIE TRANSPORTEUSE MODULAIRE**
[72] WESTERGAARD ANDERSEN, KENNETH, DK
[72] BUTER, GERM, NL
[71] AMMERAAL BELTECH MODULAR A/S, DK
[85] 2021-11-01
[86] 2020-05-01 (PCT/DK2020/050121)
[87] (WO2020/224735)
[30] DK (PA 2019 70287) 2019-05-03

[21] **3,138,818**
[13] A1
[51] **Int.Cl. F04D 29/44 (2006.01) F01D 9/04 (2006.01)**
[25] EN
[54] **STATOR BLADE FOR A CENTRIFUGAL COMPRESSOR**
[54] **AUBE DE STATOR POUR COMPRESSEUR CENTRIFUGE**
[72] GIACHI, MARCO, IT
[72] RUBECHINI, FILIPPO, IT
[72] ARNONE, ANDREA, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2021-11-01
[86] 2020-05-07 (PCT/EP2020/025211)
[87] (WO2020/224807)
[30] IT (102019000006674) 2019-05-09

[21] **3,138,819**
[13] A1
[51] **Int.Cl. B65G 17/08 (2006.01) B65G 45/22 (2006.01)**
[25] EN
[54] **MODULAR CONVEYOR BELT HAVING FLUID GUIDING STRUCTURES**
[54] **COURROIE TRANSPORTEUSE MODULAIRE COMPORTANT DES STRUCTURES DE GUIDAGE DE FLUIDE**
[72] SIMMENDINGER, STEFAN, CH
[72] ELSNER, DIETMAR, DE
[71] HABASIT AG, CH
[85] 2021-11-01
[86] 2020-04-28 (PCT/EP2020/061693)
[87] (WO2020/221717)
[30] EP (19172198.4) 2019-05-02

[21] **3,138,820**
[13] A1
[51] **Int.Cl. B65G 17/08 (2006.01) B65G 23/06 (2006.01)**
[25] EN
[54] **MODULAR CONVEYOR BELT HAVING ALTERNATING DRIVE SURFACES**
[54] **COURROIE TRANSPORTEUSE MODULAIRE AYANT DES SURFACES D'ENTRAINEMENT ALTERNEES**
[72] ELSNER, DIETMAR, DE
[72] SIMMENDINGER, STEFAN, CH
[71] HABASIT AG, CH
[85] 2021-11-01
[86] 2020-04-28 (PCT/EP2020/061694)
[87] (WO2020/221718)
[30] EP (19172200.8) 2019-05-02

[21] **3,138,821**
[13] A1
[51] **Int.Cl. A61B 5/06 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **SENSOR CARRIER**
[54] **SUPPORT DE CAPTEUR**
[72] MUCHA, DIRK, DE
[72] DESINGER, KAI, DE
[72] NORMAN, NICHOLAS, US
[71] INTERSECT ENT INTERNATIONAL GMBH, DE
[85] 2021-11-01
[86] 2020-04-30 (PCT/EP2020/062086)
[87] (WO2020/221885)
[30] US (62/842,025) 2019-05-02

[21] **3,138,822**
[13] A1
[51] **Int.Cl. C12N 9/04 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **LACTATE DEHYDROGENASE INHIBITOR POLYPEPTIDES FOR USE IN THE TREATMENT OF CANCER**
[54] **POLYPEPTIDES INHIBITEURS DE LACTATE DESHYDROGENASE DESTINES A ETRE UTILISES DANS LE TRAITEMENT DU CANCER**
[72] SONVEAUX, PIERRE, BE
[72] FREDERICK, RAPHAEL, BE
[72] THABAULT, LEOPOLD, BE
[72] BRISSON, LUCIE, FR
[72] COPETTI, TAMARA, IT
[71] UNIVERSITE CATHOLIQUE DE LOUVAIN, BE
[85] 2021-11-01
[86] 2020-04-30 (PCT/EP2020/062141)
[87] (WO2020/221899)
[30] EP (19172347.7) 2019-05-02
[30] EP (20161569.7) 2020-03-06

[21] **3,138,823**
[13] A1
[51] **Int.Cl. C08F 220/00 (2006.01) C08K 3/22 (2006.01) C09D 133/06 (2006.01) C09D 133/08 (2006.01) C09D 133/14 (2006.01) C09D 133/26 (2006.01)**
[25] EN
[54] **AQUEOUS POLYMER LATEX**
[54] **LATEX POLYMERE AQUEUX**
[72] BALK, ROELOF, DE
[72] LOHMEIJER, BASTIAAN, DE
[72] WRAZIDLO, ROBERT, DE
[71] BASF SE, DE
[85] 2021-11-01
[86] 2020-05-07 (PCT/EP2020/062671)
[87] (WO2020/225348)
[30] EP (19173298.1) 2019-05-08

[21] **3,138,824**
[13] A1
[51] **Int.Cl. B23K 35/36 (2006.01) B23K 1/20 (2006.01) B23K 35/00 (2006.01) B23K 35/02 (2006.01) B23K 35/30 (2006.01)**
[25] EN
[54] **METHOD FOR JOINING METAL PARTS**
[54] **PROCEDE D'ASSEMBLAGE DE PIECES METALLIQUES**
[72] SJODIN, PER, SE
[72] WALTER, KRISTIAN, SE
[72] KNUTSSON, AXEL, SE
[71] ALFA LAVAL CORPORATE AB, SE
[85] 2021-11-01
[86] 2020-05-08 (PCT/EP2020/062864)
[87] (WO2020/239395)
[30] SE (1950640-1) 2019-05-29

[21] **3,138,825**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 38/00 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **BNIP3 PEPTIDES FOR TREATMENT OF REPERFUSION INJURY**
[54] **PEPTIDES BNIP3 POUR LE TRAITEMENT D'UNE LESION DE REPERFUSION**
[72] RASSAF, TIENUSH, DE
[72] HENDGEN-COTTA, ULRIKE, DE
[71] BIMYO GMBH, DE
[85] 2021-11-01
[86] 2020-05-08 (PCT/EP2020/062926)
[87] (WO2020/229362)
[30] EP (19173715.4) 2019-05-10

[21] **3,138,826**
[13] A1
[51] **Int.Cl. E21B 33/13 (2006.01) E21B 43/112 (2006.01)**
[25] EN
[54] **PUNCH AND INJECT TOOL FOR DOWNHOLE CASING AND METHOD FOR USE THEREOF**
[54] **POINCON ET OUTIL D'INJECTION POUR TUBAGE DE FOND DE TROU ET PROCEDE D'UTILISATION CORRESPONDANT**
[72] CORNELISSEN, ERIK KERST, NL
[72] CORNELISSEN, IRIS, NL
[72] OLIEUX, ROBBE IBN, NL
[72] VAN MOORSEL, SAM GERARD, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2021-11-01
[86] 2020-05-12 (PCT/EP2020/063116)
[87] (WO2020/229440)
[30] EP (19174667.6) 2019-05-15

[21] **3,138,827**
[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **ACTIVATABLE BISPECIFIC ANTIBODIES COMPRISING A LINKER BETWEEN THE TWO BINDING DOMAINS WHICH IS A HUMAN IMMUNOGLOBULIN HINGE REGION, OR A VARIANT THEREOF, AND USES THEREOF**
[54] **ANTICORPS BISPECIFIQUES ACTIVABLES COMPRENANT UN LIEUR ENTRE LES DEUX DOMAINES DE LIAISON QUI EST UNE REGION CHARNIERE D'IMMUNOGLOBULINE HUMAINE, OU UN VARIANT DE CELLE-CI, ET LEU RS UTILISATIONS**
[72] FINLAY, WILLIAM JAMES JONATHAN, GB
[71] LOCKBODY THERAPEUTICS LTD, GB
[85] 2021-11-01
[86] 2020-05-13 (PCT/EP2020/063362)
[87] (WO2020/229553)
[30] GB (1906685.1) 2019-05-13
[30] GB (1910254.0) 2019-07-17
[30] GB (1917678.3) 2019-12-04
[30] GB (2001196.1) 2020-01-28

[21] **3,138,828**
[13] A1
[51] **Int.Cl. C07D 307/48 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF FURFURAL**
[54] **PROCEDE DE PRODUCTION DE FURFURAL**
[72] LANGE, JEAN-PAUL ANDRE MARIE JOSEPH GHISLAIN, NL
[72] CHHEDA, JUBEN NEMCHAND, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2021-11-01
[86] 2020-05-19 (PCT/EP2020/063976)
[87] (WO2020/234303)
[30] US (62/851,153) 2019-05-22

[21] **3,138,829**
[13] A1
[51] **Int.Cl. F16C 35/02 (2006.01) F16C 11/04 (2006.01) F16C 17/10 (2006.01) F16C 27/02 (2006.01) F16C 33/08 (2006.01) F16C 33/10 (2006.01) F16C 33/14 (2006.01)**
[25] EN
[54] **FLANGED BEARING, ASSEMBLY, AND METHOD OF MAKING THE SAME**
[54] **PALIER BRIDE, ENSEMBLE ET PROCEDE DE FABRICATION ASSOCIE**
[72] GREINWALD, THOMAS, DE
[72] STOLZENBERGER, RENE K., DE
[72] PILZ, DANIEL, DE
[71] SAINT-GOBAIN PERFORMANCE PLASTICS PAMPUS GMBH, DE
[85] 2021-11-01
[86] 2020-06-02 (PCT/EP2020/065238)
[87] (WO2020/245129)
[30] US (62/856,317) 2019-06-03

[21] **3,138,830**
[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01) A61B 5/0205 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **MULTIPARAMETERIC ESTIMATION OF CARDIORESPIRATORY FITNESS IN SEISMOCARDIOGRAPHY**
[54] **ESTIMATION MULTIPARAMETRIQUE DE LA CONDITION PHYSIQUE CARDIORESPIRATOIRE EN SISMOCARDIOGRAPHIE**
[72] SCHMIDT, SAMUEL EMIL, DK
[71] AALBORG UNIVERSITET, DK
[85] 2021-11-01
[86] 2020-06-05 (PCT/EP2020/065601)
[87] (WO2020/245340)
[30] EP (19178424.8) 2019-06-05

[21] **3,138,831**
[13] A1
[51] **Int.Cl. C07D 251/14 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **CARBOCYCLIC NUCLEOSIDE ANALOGUE**
[54] **ANALOGUE DE NUCLEOSIDE CARBOCYCLIQUE**
[72] CARELL, THOMAS, DE
[71] LUDWIG-MAXIMILIANS-UNIVERSITAT MUNCHEN, DE
[85] 2021-11-01
[86] 2020-06-05 (PCT/EP2020/065621)
[87] (WO2020/245351)
[30] EP (19178928.8) 2019-06-07

[21] **3,138,832**
[13] A1
[51] **Int.Cl. G01N 30/34 (2006.01) G01N 30/84 (2006.01) G01N 30/88 (2006.01)**
[25] EN
[54] **HPLC-BASED DETECTION OF FLOCCULATION AGENTS IN A PROTEIN SAMPLE**
[54] **DETECTION BASEE SUR HPLC D'AGENTS DE FLOCULATION DANS UN ECHANTILLON DE PROTEINE**
[72] GERVAIS, ANNICK, BE
[72] DUBISY, JOEL, BE
[71] USB BIOPHARMA SRL, BE
[85] 2021-11-01
[86] 2020-06-18 (PCT/EP2020/066922)
[87] (WO2020/254483)
[30] EP (19181523.2) 2019-06-20

[21] **3,138,833**
[13] A1
[51] **Int.Cl. H04N 1/54 (2006.01) G01J 3/52 (2006.01)**
[25] EN
[54] **COLORIMETER COLOUR STANDARDS**
[54] **STANDARDS DE COULEURS DE COLORIMETRE**
[72] BARNES, NICHOLAS JEREMY, GB
[72] PENN, AMY ELIZABETH, GB
[72] CLARKE, PETER JOHN, GB
[71] TINTOMETER GMBH, DE
[85] 2021-11-01
[86] 2020-07-17 (PCT/EP2020/070315)
[87] (WO2021/013737)
[30] EP (19187335.5) 2019-07-19

[21] **3,138,834**
[13] A1
[51] **Int.Cl. A61K 35/761 (2015.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **ONCOLYTIC ADENOVIRUS AND CHECKPOINT INHIBITOR COMBINATION THERAPY**
[54] **POLYTHERAPIE A BASE D'ADENOVIRUS ONCOLYTIQUE ET D'INHIBITEUR DE POINT DE CONTROLE**
[72] HEMMINKI, AKSELI, FI
[72] KALERVO, AINO, FI
[72] CERVERA-CARRASCON, VICTOR, FI
[72] HAVUNEN, RIIKKA, FI
[72] VIEIRA LOURENCO DOS SANTOS, JOAO, FI
[71] TILT BIOTHERAPEUTICS OY, FI
[85] 2021-11-01
[86] 2020-06-12 (PCT/FI2020/050422)
[87] (WO2020/249873)
[30] US (62/861,339) 2019-06-14
[30] US (62/988,422) 2020-03-12

[21] **3,138,835**
[13] A1
[51] **Int.Cl. C09D 5/18 (2006.01) C09D 163/00 (2006.01) C09D 171/00 (2006.01) C09D 175/04 (2006.01) C09D 201/10 (2006.01) C09K 21/04 (2006.01)**
[25] EN
[54] **A MIXTURE CURABLE TO PROVIDE AN INTUMESCENT COATING MATERIAL**
[54] **MELANGE DURCISSABLE POUR FOURNIR UN MATERIAU DE REVETEMENT INTUMESCENT**
[72] JORDAN, LAURA LOUISE, GB
[72] JONES, SIMON, GB
[72] SHEPHERD, SIMON HARRY, GB
[72] NAIK, ANIL, GB
[71] ADVANCED INNERGY LTD, GB
[85] 2021-11-01
[86] 2020-04-28 (PCT/GB2020/051039)
[87] (WO2020/225531)
[30] GB (1906231.4) 2019-05-03

[21] **3,138,836**
[13] A1
[51] **Int.Cl. A62C 13/00 (2006.01) A62C 13/76 (2006.01) A62C 37/50 (2006.01)**
[25] EN
[54] **SIGNALLING DEVICE FOR EXTINGUISHERS AND/OR HYDRANTS**
[54] **DISPOSITIF DE SIGNALISATION POUR EXTINCTEURS ET/OU BOUCHES D'INCENDIE**
[72] CAVALLI, MANUELE, IT
[71] TENET S.R.L., IT
[85] 2021-11-01
[86] 2019-05-03 (PCT/IB2019/053621)
[87] (WO2020/225586)

[21] **3,138,837**
[13] A1
[51] **Int.Cl. A61M 21/02 (2006.01) A61N 1/04 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **DEVICE FOR SLEEP THERAPY USING VESTIBULAR NERVE STIMULATION**
[54] **DISPOSITIF POUR THERAPIE DU SOMMEIL UTILISANT LA STIMULATION NERVEUSE VESTIBULAIRE**
[72] MCKEOWN, JASON, GB
[71] NEUROVALENS, LTD., GB
[85] 2021-11-01
[86] 2020-05-04 (PCT/IB2020/000347)
[87] (WO2020/225601)
[30] US (62/843,310) 2019-05-03

[21] **3,138,838**
[13] A1
[51] **Int.Cl. A61L 2/07 (2006.01) A61L 2/20 (2006.01) A61L 2/28 (2006.01) C12M 1/34 (2006.01) G01N 31/22 (2006.01)**
[25] EN
[54] **STERILIZATION TEST PACK**
[54] **ENSEMBLE DE TEST DE STERILISATION**
[72] BOMMARITO, G. MARCO, US
[72] NIES, TIMOTHY J., US
[72] WOODSON, MICHAEL J., US
[72] HARTZELL, ANDREW K., US
[72] ERICKSON, JOSHUA D., US
[72] FULLER, JONATHAN C., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2021-11-01
[86] 2020-04-10 (PCT/IB2020/053453)
[87] (WO2020/222054)
[30] US (62/842,218) 2019-05-02

[21] **3,138,839**
[13] A1
[51] **Int.Cl. G06T 11/60 (2006.01) G06T 7/30 (2017.01)**
[25] EN
[54] **AN IMAGING SYSTEM FOR SUPERIMPOSING AT LEAST TWO IMAGES AND A RELATED METHOD**
[54] **SYSTEME D'IMAGERIE POUR SUPERPOSER AU MOINS DEUX IMAGES ET PROCEDE ASSOCIE**
[72] MILNE, MICHAEL, GB
[71] WILDGATE CONSULTANCY SOLUTIONS LIMITED, GB
[85] 2021-11-01
[86] 2020-05-06 (PCT/IB2020/054295)
[87] (WO2020/225752)
[30] GB (1906356.9) 2019-05-06

[21] **3,138,840**
[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 47/02 (2006.01) B01D 47/06 (2006.01) B01D 53/72 (2006.01) C10C 3/12 (2006.01) D06N 5/00 (2006.01) E01C 19/10 (2006.01) F23G 7/06 (2006.01) F23J 15/02 (2006.01)**
[25] EN
[54] **A SYSTEM FOR ELIMINATING BAD-SMELLING EMISSIONS FROM INDUSTRIAL PROCESSES**
[54] **SYSTEME PERMETTANT D'ELIMINER DES EMISSIONS DE MAUVAISES ODEURS DE PROCESSUS INDUSTRIELS**
[72] OLMI, EUGENIO, IT
[71] VALLI ZABBAN S.P.A., IT
[85] 2021-11-01
[86] 2020-05-07 (PCT/IB2020/054353)
[87] (WO2020/225775)
[30] IT (102019000006601) 2019-05-07

[21] **3,138,841**
[13] A1
[25] EN
[54] **INHERENTLY SAFE OXYGEN/HYDROCARBON GAS MIXER**
[54] **MELANGEUR DE GAZ OXYGENE/HYDROCARBURE A SECURITE INTRINSEQUE**
[72] SIMANZHENKOV, VASILY, CA
[72] GOODARZNIA, SHAHIN, CA
[72] OLAYIWOLA, BOLAJI, CA
[72] SERHAL, KAMAL ELIAS, CA
[72] KOSELEK, MICHAEL EDWARD, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2021-11-01
[86] 2020-07-15 (PCT/IB2020/056652)
[87] (WO2021/019347)
[30] US (62/879,080) 2019-07-26

[21] **3,138,842**
[13] A1
[51] **Int.Cl. B60N 3/04 (2006.01)**
[25] EN
[54] **PROCESS OF MANUFACTURING FOOT MAT**
[54] **PROCEDE DE FABRICATION DE PAILLASSON**
[72] KAPOOR, SAURABH, IN
[72] KAPOOR, GAURAV, IN
[71] KAPOOR, SAURABH, IN
[71] KAPOOR, GAURAV, IN
[85] 2021-11-01
[86] 2019-05-15 (PCT/IN2019/050390)
[87] (WO2020/202170)
[30] IN (201911013308) 2019-04-02

[21] **3,138,843**
[13] A1
[51] **Int.Cl. C08L 83/04 (2006.01) C08G 65/336 (2006.01) C08L 23/26 (2006.01)**
[25] EN
[54] **A ROOM TEMPERATURE CURABLE COMPOSITION**
[54] **COMPOSITION DURCISSABLE A TEMPERATURE AMBIANTE**
[72] JAIN, PRANSHU, IN
[71] INVENTO INDUSTRIES, IN
[85] 2021-11-01
[86] 2020-05-07 (PCT/IN2020/050410)
[87] (WO2020/230152)
[30] IN (201911019430) 2019-05-15

[21] **3,138,844**
[13] A1
[51] **Int.Cl. A61J 15/00 (2006.01) A61M 25/095 (2006.01)**
[25] EN
[54] **MEDICAL TUBE POSITION CONFIRMATION SYSTEM**
[54] **SYSTEME DE CONFIRMATION DE POSITION DE TUBE MEDICAL**
[72] MIIKE, SHINYA, JP
[71] NEUROCEUTICALS INC., JP
[85] 2021-11-01
[86] 2018-05-07 (PCT/JP2018/017651)
[87] (WO2019/215791)

[21] **3,138,845**
[13] A1
[51] **Int.Cl. B01J 27/19 (2006.01) B01J 35/10 (2006.01) C10G 45/08 (2006.01)**
[25] EN
[54] **A CATALYST FOR HYDROTREATING HYDROCARBON OIL AND A METHOD OF HYDROTREATING HYDROCARBON OIL USING THE CATALYST**
[54] **CATALYSEUR D'HYDROTRAITEMENT D'HUILE HYDROCARBONEE ET PROCEDE D'HYDROTRAITEMENT D'HUILE HYDROCARBONEE A L'AIDE DU CATALYSEUR**
[72] NONAKA, KENJI, JP
[72] MORIMOTO, HIROTAKA, JP
[72] OSHITA, RYUICHI, JP
[71] NIPPON KETJEN CO., LTD., JP
[85] 2021-11-01
[86] 2020-04-28 (PCT/JP2020/018149)
[87] (WO2020/230630)
[30] JP (2019-091779) 2019-05-15

[21] **3,138,846**
[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/19 (2006.01) A61K 31/192 (2006.01) A61K 31/198 (2006.01) A61K 31/405 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **POWDER FORMULATION FOR INTRANASAL ADMINISTRATION, AND MANUFACTURING METHOD THEREOF**
[54] **PREPARATION DE POUDRE POUR ADMINISTRATION TRANSNASALE ET SON PROCEDE DE PRODUCTION**
[72] HARUTA, SHUNJI, JP
[72] SONODA, YO, JP
[71] SHIN NIPPON BIOMEDICAL LABORATORIES, LTD., JP
[85] 2021-11-01
[86] 2020-05-01 (PCT/JP2020/018456)
[87] (WO2020/230676)
[30] JP (2019-093150) 2019-05-16

[21] **3,138,847**
[13] A1
[51] **Int.Cl. C04B 38/10 (2006.01) A61L 27/10 (2006.01) A61L 27/56 (2006.01) A61F 2/28 (2006.01)**
[25] EN
[54] **POROUS CERAMICS AND METHOD FOR PRODUCING POROUS CERAMICS**
[54] **CERAMIQUE POREUSE ET PROCEDE DE PRODUCTION DE CERAMIQUE POREUSE**
[72] HASHIMOTO, KAZUAKI, JP
[72] OKAWA, JUNYA, JP
[72] SASAKI, HIROTO, JP
[71] CHIBA INSTITUTE OF TECHNOLOGY, JP
[71] DAIO PAPER CORPORATION, JP
[85] 2021-11-01
[86] 2020-06-02 (PCT/JP2020/021717)
[87] (WO2020/246451)
[30] JP (2019-104303) 2019-06-04

[21] **3,138,848**
[13] A1
[51] **Int.Cl. C08L 101/00 (2006.01) C08J 5/04 (2006.01) C08J 11/04 (2006.01) C08K 5/092 (2006.01) C08K 5/12 (2006.01) C08K 7/02 (2006.01)**
[25] EN
[54] **CELLULOSE FIBER COMPOSITE RECYCLED RESIN AND PRODUCTION METHOD THEREFOR**
[54] **RESINE RECYCLEE COMPOSITE A BASE DE FIBRES DE CELLULOSE ET SON PROCEDE DE PRODUCTION**
[72] OCHIAI, YU, JP
[72] MATSUSUE, IKKO, JP
[72] OKAWA, JUNYA, JP
[71] DAIO PAPER CORPORATION, JP
[85] 2021-11-01
[86] 2020-06-23 (PCT/JP2020/024516)
[87] (WO2020/262344)
[30] JP (2019-120698) 2019-06-28

[21] **3,138,849**
[13] A1
[51] **Int.Cl. G01N 33/74 (2006.01) B82Y 15/00 (2011.01)**
[25] EN
[54] **NOVEL LIGAND ASSAYS**
[54] **NOUVEAUX DOSAGES DE LIGANDS**
[72] HEATHER, ALISON KAY, NZ
[72] SOWERBY, STEPHEN JOHN, NZ
[71] INSITUGEN LIMITED, NZ
[85] 2021-11-01
[86] 2020-05-07 (PCT/NZ2020/050045)
[87] (WO2020/226512)
[30] NZ (753245) 2019-05-07

[21] **3,138,850**
[13] A1
[51] **Int.Cl. G06F 21/44 (2013.01) G06F 21/55 (2013.01) G06F 21/62 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **MITIGATION OF RANSOMWARE IN INTEGRATED, ISOLATED APPLICATIONS**
[54] **ATTENUATION DE LOGICIEL RANCONNEUR DANS DES APPLICATIONS INTEGREES ISOLEES**
[72] SCHWARTZ, JONATHAN DAVID, US
[72] TARNOUSKAYA, ANASTASIYA, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2021-11-01
[86] 2020-04-13 (PCT/US2020/027877)
[87] (WO2020/236338)
[30] US (16/415,690) 2019-05-17

[21] **3,138,851**
[13] A1
[51] **Int.Cl. B32B 5/08 (2006.01) D03D 15/00 (2021.01) D06P 1/00 (2006.01)**
[25] EN
[54] **RADIATIVE-HEATING CLOTHING FABRIC WITH COLORS**
[54] **TISSU DE VETEMENT CHAUFFANT PAR RAYONNEMENT AYANT DES COULEURS**
[72] CUI, YI, US
[72] CAI, LILI, US
[71] LIFELABS DESIGN, INC., US
[85] 2021-11-01
[86] 2020-04-16 (PCT/US2020/028488)
[87] (WO2020/226869)
[30] US (16/406,964) 2019-05-08

[21] **3,138,852**
[13] A1
[51] **Int.Cl. E05D 15/06 (2006.01) A47K 3/34 (2006.01) E05D 15/08 (2006.01) E06B 3/46 (2006.01)**
[25] EN
[54] **MAGNETIC LEVITATING DOOR**
[54] **PORTE A LEVITATION MAGNETIQUE**
[72] LAM, TONY, US
[71] LAM, TONY, US
[85] 2021-11-01
[86] 2020-04-16 (PCT/US2020/028562)
[87] (WO2020/231597)
[30] US (62/846,131) 2019-05-10
[30] US (62/861,196) 2019-06-13
[30] US (62/861,262) 2019-06-13
[30] US (62/892,325) 2019-08-27
[30] US (16/554,084) 2019-08-28
[30] US (16/803,907) 2020-02-27

[21] **3,138,853**
[13] A1
[51] **Int.Cl. E04H 9/02 (2006.01)**
[25] EN
[54] **DUCTILE PREFABRICATED SHEAR PANEL**
[54] **PANNEAU DE CONTREVENTEMENT PREFABRIQUE DUCTILE**
[72] ANDERSON, TRAVIS R., US
[72] KNUDSON, CALEB J., US
[71] SIMPSON STRONG-TIE COMPANY INC., US
[85] 2021-11-01
[86] 2020-04-21 (PCT/US2020/029120)
[87] (WO2020/223062)
[30] US (16/400,460) 2019-05-01

[21] **3,138,854**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/30 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **TEAC AND ATTAC IMMUNOONCOLOGY COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS D'IMMUNO-ONCOLOGIE A BASE DE TEAC ET D'ATTAC ET METHODES Y RELATIVES**
[72] COBBOLD, MARK, US
[72] PREYER, MARTIN, US
[72] COLTHART, ALLISON, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[71] REVITOPE LIMITED, GB
[85] 2021-11-01
[86] 2020-04-23 (PCT/US2020/029548)
[87] (WO2020/223108)
[30] US (62/841,960) 2019-05-02

[21] **3,138,855**
[13] A1
[51] **Int.Cl. E21B 34/08 (2006.01) E21B 47/008 (2012.01) E21B 34/14 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **OPERATING A SUBSURFACE SAFETY VALVE USING A DOWNHOLE PUMP**
[54] **FONCTIONNEMENT D'UNE SOUPAPE DE SECURITE SOUTERRAINE A L'AIDE D'UNE POMPE DE FOND DE TROU**
[72] EJIM, CHIDIRIM ENOCH, SA
[72] ROTH, BRIAN A., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2021-11-01
[86] 2020-04-28 (PCT/US2020/030291)
[87] (WO2020/223245)
[30] US (16/400,309) 2019-05-01

[21] **3,138,856**
[13] A1
[51] **Int.Cl. A61K 31/409 (2006.01) A61K 38/16 (2006.01) A61K 38/41 (2006.01)**
[25] EN
[54] **NANOSTRUCTURES COMPRISING COBALT PORPHYRIN-PHOSPHOLIPID CONJUGATES AND POLYHISTIDINE-TAGS**
[54] **NANOSTRUCTURES COMPRENANT DES CONJUGUES PORPHYRINE DE COBALT-PHOSPHOLIPIDE ET DES ETIQUETTES POLYHISTIDINE**
[72] LOVELL, JONATHAN, CA
[72] SHAO, SHUAI, US
[72] GENG, JUMIN, US
[72] HUANG, WEI-CHIAO, US
[72] LEE, SHWU-MAAN, US
[72] KING, CHARLES RICHTER, US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
[71] PATH, US
[85] 2021-11-01
[86] 2020-04-29 (PCT/US2020/030537)
[87] (WO2020/223395)
[30] US (16/399,581) 2019-04-30

[21] **3,138,857**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **TREATMENT OF BRAIN ISCHEMIA-REPERFUSION INJURY**
[54] **TRAITEMENT D'UNE LESION D'ISCHEMIE-REPERFUSION CEREBRALE**
[72] CAMICI, GIOVANNI GUIDO, CH
[72] LIBERALE, LUCA, CH
[72] LIBBY, PETER, US
[72] SIMARD, JOHN, US
[71] UNIVERSITY OF ZURICH, CH
[71] XBIOTECH USA, INC., US
[85] 2021-11-01
[86] 2020-04-30 (PCT/US2020/030643)
[87] (WO2020/226993)
[30] US (62/843,182) 2019-05-03

[21] **3,138,858**
[13] A1
[51] **Int.Cl. F16L 1/12 (2006.01) B25J 18/06 (2006.01) E21B 17/00 (2006.01) F16L 3/10 (2006.01) F16L 57/02 (2006.01) H02G 1/10 (2006.01) H02G 9/02 (2006.01)**
[25] EN
[54] **SPLIT SEGMENTED BEND RESTRICTOR**
[54] **LIMITEUR DE COURBURE CONSTITUE DE SEGMENTS SEPARES**
[72] ZAHURANEC, TERRY, US
[71] PMI INDUSTRIES, INC., US
[85] 2021-11-01
[86] 2020-05-01 (PCT/US2020/030898)
[87] (WO2020/223582)
[30] US (62/842,105) 2019-05-02

[21] **3,138,859**
[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) C07D 403/04 (2006.01)**
[25] EN
[54] **MODULATORS OF TREX1**
[54] **MODULATEURS DE TREX1**
[72] KHANNA, AVINASH, US
[72] WILSON, JONATHAN E., US
[72] ZABLOCKI, MARY-MARGARET, US
[71] CONSTELLATION PHARMACEUTICALS, INC., US
[85] 2021-11-01
[86] 2020-05-01 (PCT/US2020/030921)
[87] (WO2020/223590)
[30] US (62/842,149) 2019-05-02

[21] **3,138,860**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) C07K 14/00 (2006.01) C07K 14/24 (2006.01) C07K 19/00 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **IMMUNOMODULATORY COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS ET PROCEDES IMMUNOMODULATEURS**
[72] MONDICS, PETER, US
[72] MANDELL, JACOB, US
[72] JOSHI, SURBHI, US
[71] INNATE BIOLOGICS LLC, US
[85] 2021-11-01
[86] 2020-05-01 (PCT/US2020/030958)
[87] (WO2020/223601)
[30] US (62/841,312) 2019-05-01

[21] **3,138,861**
[13] A1
[51] **Int.Cl. G16B 15/20 (2019.01) G16B 35/00 (2019.01) G06N 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INCREASING SYNTHESIZED PROTEIN STABILITY**
[54] **SYSTEME ET PROCEDE D'AUGMENTATION DE LA STABILITE DE PROTEINES SYNTHETISEES**
[72] ELLINGTON, ANDREW, US
[72] COLE, AUSTIN, US
[72] SHROFF, RAGHAV, US
[72] THYER, ROSS, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2021-11-01
[86] 2020-05-01 (PCT/US2020/031084)
[87] (WO2020/247126)
[30] US (62/841,906) 2019-05-02

[21] **3,138,862**
[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6874 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **FAST-FORWARD SEQUENCING BY SYNTHESIS METHODS**
[54] **SEQUENCAGE SENS RAPIDE PAR METHODES DE SYNTHESE**
[72] PRATT, MARK, US
[72] ALMOGY, GILAD, US
[72] BRINZA, DUMITRU, US
[72] TREPAGNIER, ELIANE, US
[72] BARAD, OMER, US
[72] ETZIONI, YOAV, US
[72] OBERSTRASS, FLORIAN, US
[71] ULTIMA GENOMICS, INC., US
[85] 2021-11-01
[86] 2020-05-01 (PCT/US2020/031163)
[87] (WO2020/227143)
[30] US (62/842,534) 2019-05-03
[30] US (62/904,274) 2019-09-23
[30] US (62/971,530) 2020-02-07

[21] **3,138,863**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **ANTI-GALECTIN-9 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-GALECTINE-9 ET LEURS UTILISATIONS**
[72] KOIDE, SHOHEI, US
[72] MILLER, GEORGE, US
[72] KOIDE, AKIKO, US
[72] CHEN, LINXIAO, US
[72] FILIPOVIC, ALEKSANDRA, GB
[72] ELENKO, ERIC, US
[72] BOLEN, JOSEPH, US
[71] NEW YORK UNIVERSITY, US
[71] PURETECH LYT, INC., US
[85] 2021-11-01
[86] 2020-05-01 (PCT/US2020/031181)
[87] (WO2020/223702)
[30] US (62/841,732) 2019-05-01

[21] **3,138,864**
[13] A1
[51] **Int.Cl. B65D 83/04 (2006.01) A61J 1/03 (2006.01) A61J 7/00 (2006.01) A61J 7/04 (2006.01) B65D 83/00 (2006.01)**
[25] EN
[54] **PHARMACY PACKAGING SYSTEM AND POUCH**
[54] **SYSTEME D'EMBALLAGE DE PHARMACIE ET POCHE**
[72] HOLMES, WILLIAM K., US
[71] RXSAFE LLC, US
[85] 2021-11-01
[86] 2020-05-04 (PCT/US2020/031295)
[87] (WO2020/227199)
[30] US (62/843,025) 2019-05-03

[21] **3,138,865**
[13] A1
[51] **Int.Cl. G01N 33/74 (2006.01) C12Q 1/6897 (2018.01)**
[25] EN
[54] **NOVEL LIGAND ASSAYS**
[54] **NOUVEAUX DOSAGES DE LIGANDS**
[72] HEATHER, ALISON KAY, NZ
[72] SOWERBY, STEPHEN JOHN, NZ
[71] INSITUGEN LIMITED, NZ
[85] 2021-11-01
[86] 2020-05-07 (PCT/NZ2020/050046)
[87] (WO2020/226513)
[30] NZ (753245) 2019-05-07

[21] **3,138,866**
[13] A1
[51] **Int.Cl. B22C 9/26 (2006.01) B22D 19/00 (2006.01) B22D 19/04 (2006.01)**
[25] EN
[54] **STEAM AUTOCLAVE PROCESS CHAMBER AND THE METHOD OF PRODUCING THE STEAM AUTOCLAVE PROCESS CHAMBER**
[54] **CHAMBRE DE TRAITEMENT D'AUTOCLAVE A VAPEUR ET PROCEDE DE PRODUCTION DE LA CHAMBRE DE TRAITEMENT D'AUTOCLAVE A VAPEUR**
[72] KRAJCZYNSKI, MAREK, PL
[72] CHMIELAK, MACIEJ, PL
[71] ENBIO TECHNOLOGY SP.Z O.O., PL
[85] 2021-11-01
[86] 2020-05-08 (PCT/PL2020/000044)
[87] (WO2020/242324)
[30] PL (P.430050) 2019-05-27

[21] **3,138,867**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **NEOANTIGENS IN CANCER**
[54] **NEOANTIGENES UTILISES DANS L'IDENTIFICATION DU CANCER**
[72] RICHARD, GUILHEM, US
[72] SWEIS, RANDY F., US
[72] ARDITO, MATTHEW, US
[72] GARCIA, TZINTZUNI, US
[72] MOISE, LEONARD, US
[72] PRINCIOTTA, MICHAEL F., US
[72] BRIDON, DOMINIQUE, US
[72] MARTIN, WILLIAM D., US
[72] BERDUGO, GAD, US
[72] BALAR, ARJUN, US
[72] STEINBERG, GARY D., US
[72] DE GROOT, ANNE S., US
[71] RICHARD, GUILHEM, US
[71] SWEIS, RANDY F., US
[71] ARDITO, MATTHEW, US
[71] GARCIA, TZINTZUNI, US
[71] MOISE, LEONARD, US
[71] PRINCIOTTA, MICHAEL F., US
[71] BRIDON, DOMINIQUE, US
[71] MARTIN, WILLIAM D., US
[71] BERDUGO, GAD, US
[71] BALAR, ARJUN, US
[71] STEINBERG, GARY D., US
[71] DE GROOT, ANNE S., US
[85] 2021-11-01
[86] 2020-05-04 (PCT/US2020/031357)
[87] (WO2020/227233)
[30] US (62/842,800) 2019-05-03
[30] US (62/880,965) 2019-07-31
[30] US (62/932,651) 2019-11-08
[30] US (62/932,654) 2019-11-08

[21] **3,138,868**
[13] A1
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/127 (2006.01)**
[25] EN
[54] **COMPOSITE EXPANDABLE METAL ELEMENTS WITH REINFORCEMENT**
[54] **ELEMENTS METALLIQUES EXPANSIBLES COMPOSITES PRESENTANT UN RENFORCEMENT**
[72] PELTO, CHRISTOPHER MICHAEL, US
[72] GRECI, STEPHEN MICHAEL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-11-01
[86] 2019-07-16 (PCT/US2019/042074)
[87] (WO2021/010989)
[30] US (16/513,438) 2019-07-16

[21] **3,138,869**
[13] A1
[51] **Int.Cl. C08H 8/00 (2010.01) C08J 3/12 (2006.01) C08J 11/14 (2006.01)**
[25] FR
[54] **PULVERULENT SUBSTRATE OBTAINED BY STEAM CRACKING OF A BIOMASS WITHOUT CHEMICAL AUXILIARY AGENT, AND USES THEREOF**
[54] **SUBSTRAT PULVERULENT OBTENU PAR VAPOCRAQUAGE D'UNE BIOMASSE SANS AUXILIAIRE CHIMIQUE ET SES UTILISATIONS**
[72] MARIN, JEAN-BAPTISTE, FR
[72] HABAS, THOMAS, FR
[72] QUINTERO-MARQUEZ, ADRIANA, FR
[72] MARTEL, FREDERIC, FR
[71] EUROPEENNE DE BIOMASSE, FR
[85] 2021-11-01
[86] 2020-04-30 (PCT/FR2020/050729)
[87] (WO2020/225504)
[30] FR (FR1904681) 2019-05-03

[21] **3,138,870**
[13] A1
[51] **Int.Cl. A61N 1/372 (2006.01) A61B 5/394 (2021.01) A61B 5/00 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01) A61F 5/56 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO IMPROVE SLEEP DISORDERED BREATHING USING CLOSED-LOOP FEEDBACK**
[54] **SYSTEMES ET PROCEDES POUR ATTENUER DES TROUBLES RESPIRATOIRES DU SOMMEIL A L'AIDE D'UNE RETROACTION EN BOUCLE FERMEE**
[72] CAPARSO, ANTHONY V., US
[72] NICKOLS, JOSH, US
[71] XII MEDICAL, INC., US
[85] 2021-11-01
[86] 2020-05-04 (PCT/US2020/031383)
[87] (WO2020/223738)
[30] US (62/841,978) 2019-05-02

[21] **3,138,871**
[13] A1
[51] **Int.Cl. A61N 1/372 (2006.01) A61B 5/394 (2021.01) A61B 5/00 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01) A61N 1/378 (2006.01) A61F 5/56 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVING SLEEP DISORDERED BREATHING**
[54] **SYSTEMES ET PROCEDES POUR AMELIORER UN TROUBLE RESPIRATOIRE DU SOMMEIL**
[72] CAPARSO, ANTHONY V., US
[72] NICKOLS, JOSH, US
[71] XII MEDICAL, INC., US
[85] 2021-11-01
[86] 2020-05-04 (PCT/US2020/031389)
[87] (WO2020/223740)
[30] US (62/841,978) 2019-05-02

[21] **3,138,872**
[13] A1
[51] **Int.Cl. C10B 53/02 (2006.01) C10L 5/44 (2006.01) C10L 9/08 (2006.01)**
[25] FR
[54] **STEAM CRACKING CONTROL FOR IMPROVING THE PCI OF BLACK GRANULES**
[54] **CONTROLE DU VAPOCRAQUAGE EN VUE D'AMELIORER LE PCI DES GRANULES NOIRS**
[72] DESPRES, JEAN-LUC, FR
[72] HABAS, THOMAS, FR
[72] QUINTERO-MARQUEZ, ADRIANA, FR
[72] MARTEL, FREDERIC, FR
[71] EUROPEENNE DE BIOMASSE, FR
[85] 2021-11-01
[86] 2020-04-30 (PCT/FR2020/050730)
[87] (WO2020/225505)
[30] FR (FR1904682) 2019-05-03

[21] **3,138,873**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **SYNTHESIS OF LABELED IMIDAZO[1,2-A]PYRIMIDINES**
[54] **SYNTHESE D'IMIDAZO[1,2-A]PYRIMIDINES MARQUES**
[72] CLAGG, KYLE BRADLEY PASCUAL, US
[72] WHITE, NICHOLAS ANDREW, US
[72] ZHANG, HAIMING, US
[72] GOSSELIN, FRANCIS, US
[72] NACK, WILLIAM, US
[72] O'SHEA, PAUL, D., US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2021-11-01
[86] 2020-05-07 (PCT/US2020/031952)
[87] (WO2020/227575)
[30] US (62/845,840) 2019-05-09
[30] US (62/937,069) 2019-11-18

[21] **3,138,874**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/12 (2006.01) E21B 44/00 (2006.01) E21B 49/00 (2006.01)**
[25] EN
[54] **ELECTRIC PUMP FLOW RATE MODULATION FOR FRACTURE MONITORING AND CONTROL**
[54] **MODULATION DE DEBIT DE POMPE ELECTRIQUE POUR SURVEILLANCE ET COMMANDE DE FRACTURE**
[72] DUSTERHOFT, RONALD GLEN, US
[72] STEPHENSON, STANLEY V., US
[72] HUNTER, TIMOTHY HOLIMAN, US
[72] CAMP, JOSHUA LANE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-11-01
[86] 2019-07-30 (PCT/US2019/044112)
[87] (WO2021/021130)
[30] US (16/524,713) 2019-07-29

[21] **3,138,875**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01)**
[25] EN
[54] **CINCH DEVICE AND METHOD FOR DEPLOYMENT OF A SIDE-DELIVERED PROSTHETIC HEART VALVE IN A NATIVE ANNULUS**
[54] **DISPOSITIF CINCH ET PROCEDE DE DEPLOIEMENT D'UNE VALVULE CARDIAQUE PROTHETIQUE A POSE LATERALE DANS UN ANNEAU NATIF**
[72] VIDLUND, ROBERT, US
[72] CHRISTIANSON, MARK, US
[72] HOLT, DAVID, US
[72] HARDER, LUCAS, US
[71] VDYNE, INC., US
[85] 2021-11-01
[86] 2020-05-04 (PCT/US2020/031390)
[87] (WO2020/227249)
[30] US (62/843,424) 2019-05-04

[21] **3,138,876**
[13] A1
[51] **Int.Cl. C07D 231/10 (2006.01) A61K 31/395 (2006.01) A61K 31/428 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DU CANCER**
[72] NASSAR, NICOLAS, US
[72] SEIBEL, WILLIAM, US
[72] GASILINA, ANJELIKA, US
[72] CANCELAS, JOSE, US
[71] CHILDREN'S HOSPITAL MEDICAL CENTER, US
[85] 2021-11-01
[86] 2020-05-04 (PCT/US2020/031298)
[87] (WO2020/227202)
[30] US (62/842,839) 2019-05-03

[21] **3,138,877**
[13] A1
[51] **Int.Cl. G01F 15/00 (2006.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR UTILIZING DISTRICT METERING AREAS BASED ON METER DESIGNATIONS**
[54] **SYSTEME ET PROCEDE D'UTILISATION DE ZONES DE MESURE DE QUARTIER SUR LA BASE DE DESIGNATIONS DE COMPTEUR**
[72] JAVEY, SHAHRAM, US
[72] BERGH, DOUGLAS, US
[71] BADGER METER, INC., US
[85] 2021-11-01
[86] 2020-05-05 (PCT/US2020/031473)
[87] (WO2020/227292)
[30] US (16/404,122) 2019-05-06

[21] **3,138,878**
[13] A1
[51] **Int.Cl. B23K 7/00 (2006.01) B23K 7/08 (2006.01) B23K 7/10 (2006.01)**
[25] EN
[54] **SYSTEMS, APPARATUSES, AND METHODS FOR REDUCING THE SIZE OF A MATERIAL**
[54] **SYSTEMES, APPAREILS ET PROCEDES DE REDUCTION DE LA TAILLE D'UN MATERIAU**
[72] ROZOT, THIERRY, US
[71] ROZOT, THIERRY, US
[85] 2021-11-01
[86] 2020-05-04 (PCT/US2020/031333)
[87] (WO2020/227221)
[30] US (62/842,559) 2019-05-03
[30] US (62/842,564) 2019-05-03
[30] US (62/842,574) 2019-05-03

[21] **3,138,879**
[13] A1
[51] **Int.Cl. G01M 3/04 (2006.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OUTDOOR LEAK DETECTION**
[54] **SYSTEME ET PROCEDE DE DETECTION DE FUITE EXTERIEURE**
[72] JAVEY, SHAHRAM, US
[71] BADGER METER, INC., US
[85] 2021-11-01
[86] 2020-05-05 (PCT/US2020/031485)
[87] (WO2020/227302)
[30] US (16/404,152) 2019-05-06

[21] **3,138,880**
[13] A1
[51] **Int.Cl. B01J 23/887 (2006.01) B01J 23/755 (2006.01) C01B 3/02 (2006.01) C01B 3/16 (2006.01) C01B 3/22 (2006.01) C01B 3/32 (2006.01) C01B 3/38 (2006.01) C07C 1/24 (2006.01)**
[25] EN
[54] **CATALYSTS FOR HYDROGEN PRODUCTION**
[54] **CATALYSEUR POUR LA PRODUCTION D'HYDROGENE**
[72] SINGH, INDER PAL, CA
[72] SINGH, SHRADHA, CA
[72] KONDRATENKO, MYKOLA, CA
[72] LI, ZHIYONG, CA
[71] GOLU HYRDOGEN TECHNOLOGIES INC., CA
[85] 2021-11-02
[86] 2020-04-22 (PCT/CA2020/050525)
[87] (WO2020/223793)
[30] US (62/842,597) 2019-05-03
[30] US (62/870,848) 2019-07-05

[21] **3,138,881**
[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED SINGLE CELL PROCESSING**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT AUTOMATIQUE DE CELLULES INDIVIDUELLES**
[72] HANDIQUE, KALYAN, US
[72] PAYNE, AUSTIN, US
[72] WANG, SIDA, US
[72] TEGELS, PATRICK MICHAEL, US
[72] KOEDERITZ, WILL, US
[72] GENORD, DANIEL, US
[72] PARKER, GREY, US
[72] BONIFACE, BRIAN, US
[72] MEHNE, KATLYN CURTIN, US
[72] HITCHINER, ALEC WILLIAM, US
[71] BIO-RAD LABORATORIES, INC., US
[85] 2021-11-01
[86] 2020-05-05 (PCT/US2020/031502)
[87] (WO2020/227309)
[30] US (62/844,470) 2019-05-07
[30] US (62/866,726) 2019-06-26

[21] **3,138,882**
[13] A1
[51] **Int.Cl. A61M 25/10 (2013.01) A61M 25/01 (2006.01) A61M 25/02 (2006.01) A61M 25/09 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A BALLOON CATHETER SUPPORT SLEEVE**
[54] **SYSTEMES ET PROCEDES POUR UN MANCHON DE SUPPORT DE CATHETER A BALLONNET**
[72] STRAUSS, BRADLEY, CA
[72] CIBULSKI, GILAD, CA
[71] SUNNYBROOK RESEARCH INSTITUTE, CA
[85] 2021-11-02
[86] 2020-05-04 (PCT/CA2020/050594)
[87] (WO2020/220144)
[30] US (62/841,997) 2019-05-02

[21] **3,138,883**
[13] A1
[51] **Int.Cl. B01D 27/02 (2006.01) B01D 27/08 (2006.01)**
[25] EN
[54] **FILTER CARTRIDGE**
[54] **CARTOUCHE FILTRANTE**
[72] BUNNEMANN, PHILLIP, DE
[72] SCHULER, TOBIAS, DE
[72] SCHURICHT, FALK, DE
[72] OGUZ, EMRE, DE
[71] BRITA GMBH, DE
[85] 2021-11-02
[86] 2020-07-10 (PCT/EP2020/069534)
[87] (WO2021/013581)
[30] EP (19187410.6) 2019-07-19

[21] **3,138,884**
[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) C12N 5/074 (2010.01) C12N 5/0789 (2010.01) A61P 7/00 (2006.01) A61P 7/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PRECURSORY REGULATORY CYTOTROPHOBLAST CELLS AND USES THEREOF**
[54] **CELLULES CYTOTROPHOBLASTIQUES REGULATRICES ET PRECURSEURS ET LEURS UTILISATIONS**
[72] LEE, JAU-NAN, TW
[72] LEE, YUTA, TW
[72] LEE, TONY TUNG-YIN, US
[71] ACCELERATED BIOSCIENCES CORP., US
[85] 2021-11-01
[86] 2020-05-05 (PCT/US2020/031509)
[87] (WO2020/227314)
[30] US (62/843,925) 2019-05-06

[21] **3,138,885**
[13] A1
[51] **Int.Cl. C08J 9/28 (2006.01) A61K 8/02 (2006.01) A61K 8/73 (2006.01) B01D 15/08 (2006.01) B01J 20/22 (2006.01) B09B 5/00 (2006.01) C02F 1/28 (2006.01) C08J 3/14 (2006.01) C08L 1/00 (2006.01)**
[25] EN
[54] **POROUS CELLULOSE MICROPARTICLES AND METHODS OF MANUFACTURE THEREOF**
[54] **MICROPARTICULES POREUSES DE CELLULOSE ET LEURS PROCEDES DE FABRICATION**
[72] ANDREWS, MARK P., CA
[72] MORSE, TIMOTHY, CA
[72] RAK, MONIKA, CA
[72] HU, ZHEN, CA
[72] BATEMAN, MARY, CA
[71] ANOMERA INC., CA
[85] 2021-11-02
[86] 2020-05-06 (PCT/CA2020/050605)
[87] (WO2020/227816)
[30] US (62/846,273) 2019-05-10

[21] **3,138,886**
[13] A1
[51] **Int.Cl. B32B 27/30 (2006.01) B32B 7/022 (2019.01) B32B 27/08 (2006.01) B32B 27/10 (2006.01) F16B 39/00 (2006.01)**
[25] EN
[54] **COMPOSITE ARTICLE INCLUDING A DAMPENING LAYER**
[54] **ARTICLE COMPOSITE COMPRENANT UNE COUCHE D'AMORTISSEMENT**
[72] CIACIUCH, CAVIN WAYNE, US
[72] FOUKES, RICHARD JOHN, US
[71] ND INDUSTRIES, INC., US
[85] 2021-11-01
[86] 2020-05-06 (PCT/US2020/031573)
[87] (WO2020/231687)
[30] US (62/848,206) 2019-05-15

[21] **3,138,887**
[13] A1
[51] **Int.Cl. F03D 13/10 (2016.01) F03D 1/06 (2006.01)**
[25] EN
[54] **BULKHEAD FOR A WIND TURBINE BLADE AND METHOD FOR INSTALLING A BULKHEAD IN A WIND TURBINE BLADE**
[54] **CLOISON POUR PALE D'EOLIENNE ET PROCEDE D'INSTALLATION D'UNE CLOISON DANS UNE PALE D'EOLIENNE**
[72] RASMUSSEN, KIM ANSHOLM, DK
[72] GJERLEVSEN, CHRISTIAN BRONDUM, DK
[72] KARSBÆK, BRIAN, DK
[72] BARLEV, SVEN, DK
[71] LM WIND POWER A/S, DK
[85] 2021-11-02
[86] 2020-06-02 (PCT/EP2020/065232)
[87] (WO2020/245124)
[30] EP (19177958.6) 2019-06-03

[21] **3,138,888**
[13] A1
[51] **Int.Cl. A61H 1/02 (2006.01)**
[25] EN
[54] **FINGER MOTION RAIL FOR CARRYING OUT A CONTINUOUS, PASSIVE AND/OR ACTIVELY ASSISTED MOVEMENT OF A FINGER AND/OR A THUMB OF A PATIENT, AS WELL AS A THERAPEUTIC DEVICE COMPRISING A FINGER MOTION RAIL OF THIS TYPE**
[54] **RAIL DE MOUVEMENT DE DOIGT POUR L'EXECUTION D'UN MOUVEMENT CONTINU PASSIF ET/OU ACTIVEMENT ASSISTE D'UN DOIGT ET/OU D'UN POUCE D'UN PATIENT, AINSI QU'APPAREIL DE THERAPIE COMPRENA NT UN TEL RAIL DE MOUVEMENT DE DOIGT**
[72] LINDEMANN, PASCAL, DE
[72] STEINER, CHRISTOF, DE
[71] UNIVERSITAETSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITAET MAINZ, DE
[85] 2021-11-02
[86] 2020-05-08 (PCT/DE2020/100390)
[87] (WO2020/224727)
[30] DE (10 2019 112 049.7) 2019-05-08

[21] **3,138,889**
[13] A1
[51] **Int.Cl. C21D 8/02 (2006.01) B22D 11/00 (2006.01) C21D 9/46 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C23C 2/06 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING CONTINUOUSLY CAST HOT ROLLED HIGH STRENGTH STEEL SHEET PRODUCTS**
[54] **PROCEDES DE PRODUCTION DE PRODUITS EN TOLE D'ACIER A HAUTE RESISTANCE LAMINES A CHAUD COULES EN CONTINU**
[72] HOYDICK, DAVID PAUL, US
[72] SILVA, EDUARDO AUGUSTO, US
[72] MCCOSBY, MATTHEW MICHAEL, US
[71] UNITED STATES STEEL CORPORATION, US
[85] 2021-11-01
[86] 2020-05-06 (PCT/US2020/031719)
[87] (WO2020/227438)
[30] US (62/844,301) 2019-05-07

[21] **3,138,890**
[13] A1
[51] **Int.Cl. A61H 1/02 (2006.01)**
[25] EN
[54] **LENGTH-ADJUSTMENT DEVICE FOR A FINGER MOTION RAIL, LENGTH-ADJUSTABLE FINGER MOTION RAIL AND THERAPEUTIC DEVICE COMPRISING AT LEAST ONE LENGTH-ADJUSTABLE FINGER MOTION RAIL OF THIS TYPE AND METHOD FOR LENGTH ADJUSTME NT**
[54] **DISPOSITIF DE REGLAGE DE LA LONGUEUR D'UN RAIL DE MOUVEMENT DE DOIGT, RAIL DE MOUVEMENT DE DOIGT REGLABLE EN LONGUEUR ET APPAREIL DE THERAPIE COMPORTANT AU MOINS UN TEL RAIL DE MO UVEMENT DE DOIGT REGLABLE EN LONGUEUR ET PROCEDE DE REGLAGE DE LA LONGUEUR**
[72] LINDEMANN, PASCAL, DE
[71] UNIVERSITAETSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITAET MAINZ, DE
[85] 2021-11-02
[86] 2020-05-08 (PCT/DE2020/100391)
[87] (WO2020/224728)
[30] DE (10 2019 112 051.9) 2019-05-08

[21] **3,138,892**
[13] A1
[51] **Int.Cl. C02F 1/32 (2006.01)**
[25] EN
[54] **GLASS BREAK DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION DE RUPTURE DE VERRE**
[72] CANTOR, MIKE, GB
[72] BURN, RAY, GB
[72] PATTERSON, CHARLIE, GB
[71] XYLEM EUROPE GMBH, CH
[85] 2021-11-02
[86] 2019-12-23 (PCT/EP2019/086946)
[87] (WO2020/221472)
[30] GB (1906218.1) 2019-05-02

[21] **3,138,893**
[13] A1
[51] **Int.Cl. C08L 23/08 (2006.01) B29C 41/04 (2006.01)**
[25] EN
[54] **ROTOMOLDED PARTS PREPARED FROM BIMODAL POLYETHYLENE**
[54] **PARTIES ROTO-MOULEES PREPAREES A PARTIR DE POLYETHYLENE BIMODAL**
[72] BELLEHUMEUR, CELINE, CA
[72] CHECKNITA, DOUGLAS, CA
[72] HAY, HENRY, CA
[72] WASYLENKO, DEREK, CA
[72] TIKUISIS, TONY, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2021-11-02
[86] 2020-07-02 (PCT/IB2020/056268)
[87] (WO2021/014244)
[30] US (62/878,388) 2019-07-25

[21] **3,138,894**
[13] A1
[51] **Int.Cl. C01B 3/40 (2006.01) B01J 21/08 (2006.01) B01J 23/755 (2006.01) B01J 23/89 (2006.01)**
[25] EN
[54] **STEAM REFORMING CATALYSTS FOR SUSTAINABLE HYDROGEN PRODUCTION FROM BIO-BASED MATERIALS**
[54] **CATALYSEURS DE REFORMAGE A LA VAPEUR PERMETTANT LA PRODUCTION DURABLE D'HYDROGENE A PARTIR DE MATERIAUX D'ORIGINE BIOLOGIQUE**
[72] YADAV, GANAPATI DADASAHEB, IN
[72] SHEJALE, ASHISH DILIP, IN
[71] YADAV, GANAPATI DADASAHEB, IN
[85] 2021-11-02
[86] 2020-05-11 (PCT/IN2020/050428)
[87] (WO2020/230160)
[30] IN (201921018837) 2019-05-10

[21] **3,138,897**
[13] A1
[51] **Int.Cl. B65G 53/40 (2006.01) B65G 47/80 (2006.01) B65G 65/48 (2006.01)**
[25] EN
[54] **POWDER SUPPLY DEVICE**
[54] **DISPOSITIF D'ALIMENTATION EN POUDRE**
[72] FUKANUMA, HIROTAKA, JP
[71] PLASMA GIKEN CO., LTD., JP
[85] 2021-11-02
[86] 2020-06-12 (PCT/JP2020/023214)
[87] (WO2020/262042)
[30] JP (2019-117161) 2019-06-25

[21] **3,138,899**
[13] A1
[51] **Int.Cl. A61L 15/40 (2006.01) A61L 15/42 (2006.01) A61L 15/44 (2006.01) A61L 15/64 (2006.01)**
[25] EN
[54] **TISSUE DERIVED POROUS MATRICES AND METHODS FOR MAKING AND USING SAME**
[54] **MATRICES POREUSES DERIVEES D'UN TISSU ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] NICHOLS, CHRISTOPHER M., US
[72] PHIPPS, ABIGAIL, US
[72] MADANS, ANDREW, US
[72] WU, KEVIN, US
[72] CHNARI, EVANGELIA, US
[72] WU, KEWIN, US
[71] MUSCULOSKELETAL TRANSPLANT FOUNDATION, US
[85] 2021-11-01
[86] 2020-05-08 (PCT/US2020/032022)
[87] (WO2020/227601)
[30] US (62/845,015) 2019-05-08

[21] **3,138,901**
[13] A1
[51] **Int.Cl. A61K 31/56 (2006.01) A61K 31/568 (2006.01) A61P 25/08 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION CONTAINING BREXANOLONE, GANAXOLONE, OR ZURANOLONE, AND USE THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE A BASE DE BREXANOLONE, DE GANAXOLONE OU DE ZURANOLONE, ET SON UTILISATION**
[72] STRICKLEY, ROBERT G., US
[72] XU, LIANHONG, US
[72] HONG, ZHI, US
[71] BRII BIOSCIENCES, INC., US
[85] 2021-11-01
[86] 2020-05-08 (PCT/US2020/032172)
[87] (WO2020/231837)
[30] US (62/846,576) 2019-05-10
[30] US (63/018,815) 2020-05-01

[21] **3,138,902**
[13] A1
[51] **Int.Cl. H04N 21/485 (2011.01)**
[25] EN
[54] **CONFIGURING A PERSONAL COMPUTING DEVICE FOR COMMUNICATION WITH AN AEROSOL GENERATION DEVICE**
[54] **CONFIGURATION D'UN DISPOSITIF INFORMATIQUE PERSONNEL POUR UNE COMMUNICATION AVEC UN DISPOSITIF DE GENERATION D'AEROSOL**
[72] STOCKALL, ADRIAN PETER, CH
[72] KUDAMA AL MUDARIS, MAGD, GB
[72] RUIZ PEINADO, JONATHAN, GB
[71] JT INTERNATIONAL S.A., CH
[85] 2021-11-02
[86] 2020-03-31 (PCT/EP2020/059104)
[87] (WO2020/229044)
[30] EP (19173828.5) 2019-05-10

[21] **3,138,903**
[13] A1
[51] **Int.Cl. A61K 31/702 (2006.01) A61K 35/741 (2015.01) A61P 1/00 (2006.01)**
[25] EN
[54] **OLIGOSACCHARIDE COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS OLIGOSACCHARIDIQUES ET LEURS PROCEDES D'UTILISATION**
[72] YATSUNENKO, TATYANA, US
[72] LAWRENCE, JONATHAN, US
[72] ROSINI, MADELINE, US
[72] HECHT, MAX, US
[72] LIU, CHRISTOPHER MATTHEW, US
[71] KALEIDO BIOSCIENCES, INC., US
[85] 2021-11-01
[86] 2020-05-08 (PCT/US2020/032240)
[87] (WO2020/227689)
[30] US (62/845,305) 2019-05-08
[30] US (62/910,179) 2019-10-03

[21] **3,138,905**
[13] A1
[51] **Int.Cl. H04N 9/31 (2006.01) G02B 27/10 (2006.01) G02F 1/00 (2006.01) G03B 21/20 (2006.01) G03B 21/26 (2006.01) H04N 5/74 (2006.01)**
[25] EN
[54] **OPTICAL SWITCH FOR SINGLE AND MULTIPLE PROJECTORS**
[54] **COMMUTATEUR OPTIQUE POUR PROJECTEURS SIMPLES ET MULTIPLES**
[72] ARNTSEN, JOHN FREDERICK, US
[72] LIPPEY, BARRET, US
[71] DOLBY LABORATORIES LICENSING CORPORATION, US
[85] 2021-11-01
[86] 2020-05-08 (PCT/US2020/032248)
[87] (WO2020/227693)
[30] US (62/845,263) 2019-05-08
[30] US (62/847,172) 2019-05-13

[21] **3,138,906**
[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01) G06T 7/73 (2017.01)**
[25] EN
[54] **INDUSTRIAL VEHICLE WITH FEATURE-BASED LOCALIZATION AND NAVIGATION**
[54] **VEHICULE INDUSTRIEL DOTE DE LOCALISATION ET DE NAVIGATION BASEES SUR DES CARACTERISTIQUES**
[72] TAO, JUNLI, US
[72] BELL, MARK, US
[71] CROWN EQUIPMENT CORPORATION, US
[85] 2021-11-02
[86] 2020-04-29 (PCT/US2020/030414)
[87] (WO2020/223313)
[30] US (62/842,032) 2019-05-02

[21] **3,138,909**
[13] A1
[51] **Int.Cl. C07C 17/25 (2006.01) C07C 17/358 (2006.01) C07C 17/383 (2006.01) C07C 21/18 (2006.01) C09K 5/04 (2006.01)**
[25] EN
[54] **HFO-1234ZE, HFO-1225ZC AND HFO-1234YF CONTAINING COMPOSITIONS AND PROCESSES FOR PRODUCING AND USING THE COMPOSITIONS**
[54] **COMPOSITIONS CONTENANT HFO-1234ZE, HFO-1225ZC ET HFO-1234YF ET LEURS PROCEDES DE PRODUCTION ET D'UTILISATION**
[72] PENG, SHENG, US
[72] NAPPA, MARIO JOSEPH, US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2021-10-29
[86] 2021-04-26 (PCT/US2021/029166)
[87] (WO2021/217136)
[30] US (PCT/US2020/029690) 2020-04-24

[21] **3,138,910**
[13] A1
[51] **Int.Cl. G06Q 20/14 (2012.01) G06Q 10/08 (2012.01) G06Q 30/04 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR FACILITATING INVOICE DATA, PAYMENT CREDIT TRANSFERS, REAL-TIME PACKAGE TRACKING, AND ACCOUNT-TO-ACCOUNT PAYMENT ON DELIVERY**
[54] **PROCEDE ET SYSTEME DE FACILITATION DE DONNEES DE FACTURES, DE TRANSFERTS DE CREDITS DE PAIEMENTS, DE SUIVI DE PAQUETS EN TEMPS REEL ET DE PAIEMENT DE COMPTE A COMPTE A LA LIVRAISO N**
[72] SABAT, VIVIANE, US
[72] GILMAN, ANDREA CHRISTINE, US
[72] WANG, JENNIFER, US
[72] BHATT, ABHINAV, US
[72] CHHUAN, CHHOMTHYDA, US
[72] BAE, DANIEL, US
[72] ARAUJO, ALONSO, US
[72] MORTIMER, JAMES NICHOLAS, GB
[72] TAYLOR, MONICA, US
[72] AHIMOR, EITAN, US
[72] MURRAY, CHRISTOPHER, US
[72] SAVOYE, MARK N., US
[72] PACIFICO, ROBERT, US
[72] KAMAL, ASHFAQ, US
[72] SHARMA, KARAN, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2021-11-01
[86] 2020-05-15 (PCT/US2020/033045)
[87] (WO2020/232328)
[30] US (62/848,141) 2019-05-15
[30] US (62/898,842) 2019-09-11
[30] US (62/915,817) 2019-10-16
[30] US (62/932,945) 2019-11-08

[21] **3,138,911**
[13] A1
[51] **Int.Cl. H05K 1/16 (2006.01) H05K 3/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF FABRICATING COILS FOR CORELESS TRANSFORMERS AND INDUCTORS**
[54] **SYSTEMES ET PROCEDES DE FABRICATION DE BOBINES POUR TRANSFORMATEURS ET INDUCTEURS SANS NOYAU**
[72] YAMADA, MINORU, CN
[71] NANO-DIMENSION TECHNOLOGIES, LTD., IL
[85] 2021-11-02
[86] 2020-05-04 (PCT/US2020/031274)
[87] (WO2020/223724)
[30] US (62/842,139) 2019-05-02

[21] **3,138,912**
[13] A1
[51] **Int.Cl. B65B 17/02 (2006.01) B65D 71/50 (2006.01)**
[25] EN
[54] **PACKAGING APPARATUS AND METHOD FOR PRODUCING PACKAGING UNITS**
[54] **DISPOSITIF D'EMBALLAGE ET PROCEDE DE FABRICATION D'UNITES D'EMBALLAGE**
[72] GUT, TOBIAS, DE
[72] LUBER, JOHANN, DE
[72] SPINDLER, HERBERT, DE
[72] STADLER, THOMAS, DE
[72] GABLER, MARKUS, DE
[71] KRONES AKTIENGESELLSCHAFT, DE
[85] 2021-11-02
[86] 2020-04-24 (PCT/EP2020/061561)
[87] (WO2020/233943)
[30] DE (10 2019 113 176.6) 2019-05-17
[30] DE (10 2019 128 874.6) 2019-10-25
[30] DE (10 2019 135 254.1) 2019-12-19

[21] **3,138,913**
[13] A1
[51] **Int.Cl. B66C 13/18 (2006.01) B66C 13/16 (2006.01) B66C 13/30 (2006.01) B66C 13/46 (2006.01) B66C 23/90 (2006.01) B66F 17/00 (2006.01)**
[25] EN
[54] **LOAD MOMENT INDICATOR**
[54] **INDICATEUR DE MOMENT DE CHARGE**
[72] HARMON, ANDREW, US
[72] MORGAN, DREW, US
[72] STRAHL, SHANE, US
[72] JONES, TONY, US
[71] TULSA WINCH, INC., US
[85] 2021-11-02
[86] 2020-03-06 (PCT/US2020/021553)
[87] (WO2020/226739)
[30] US (62/844,523) 2019-05-07

[21] **3,138,914**
[13] A1
[51] **Int.Cl. A61B 5/16 (2006.01) A61P 1/16 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **METHODS OF ASSESSING AND TREATING HEPATIC ENCEPHALOPATHY**
[54] **PROCEDES D'EVALUATION ET DE TRAITEMENT D'UNE ENCEPHALOPATHIE HEPATIQUE**
[72] BUKOFZER, STANLEY, US
[72] VILCHEZ, REGIS, US
[71] OCERA THERAPEUTICS, INC., US
[85] 2021-11-02
[86] 2020-05-07 (PCT/US2020/031854)
[87] (WO2020/227516)
[30] US (62/845,569) 2019-05-09

[21] **3,138,915**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61K 31/713 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01)**
[25] EN
[54] **ORAL DELIVERY OF OLIGONUCLEOTIDES**
[54] **ADMINISTRATION ORALE D'OLIGONUCLEOTIDES**
[72] NAIR, JAYAPRAKASH K., US
[72] QIN, XIAOJUN, US
[72] YU, MIKYUNG, US
[72] JADHAV, VASANT, US
[72] MAIER, MARTIN, US
[72] RAMSDEN, DIANE, US
[71] ALNYLAM PHARMACEUTICALS, INC., US
[85] 2021-11-01
[86] 2020-05-15 (PCT/US2020/033156)
[87] (WO2020/236600)
[30] US (62/849,605) 2019-05-17
[30] US (62/911,512) 2019-10-07

[21] **3,138,917**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01) A01B 69/00 (2006.01) A01C 7/04 (2006.01) A01C 7/10 (2006.01) A01C 19/02 (2006.01)**
[25] EN
[54] **ACCELERATION COMPENSATION IN CONTROLLING A SEEDING MACHINE**
[54] **COMPENSATION D'ACCELERATION DANS LA COMMANDE D'UNE MACHINE D'ENSEMENCEMENT**
[72] HEINOLD, MARTIN, DE
[72] WALTER, JASON D., US
[72] WAIBEL, CHRISTIAN, DE
[72] ZAMUDIO, RICARDO, DE
[72] WONDERLICH, GRANT, US
[72] STOHL, JACOB, US
[72] STEELE, MICHAEL, US
[71] DEERE & COMPANY, US
[85] 2021-11-02
[86] 2020-05-08 (PCT/US2020/032035)
[87] (WO2020/227608)
[30] DE (10 2019 206 734.4) 2019-05-09

[21] **3,138,918**
[13] A1
[51] **Int.Cl. B29C 64/112 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B29C 64/209 (2017.01) B41J 2/095 (2006.01)**
[25] EN
[54] **PRINTING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'IMPRESSION**
[72] LIASHENKO, IEVGENII, ES
[72] CABOT CODINA, ANDREU, ES
[72] ROSELL LLOMPART, JOAN, ES
[71] UNIVERSITAT ROVIRA I VIRGILI, ES
[71] INSTITUCIO CATALANA DE RECERCA I ESTUDIS AVANCATS, ES
[85] 2021-10-30
[86] 2020-05-05 (PCT/EP2020/062454)
[87] (WO2020/225261)
[30] EP (19382349.9) 2019-05-07

[21] **3,138,920**
[13] A1
[51] **Int.Cl. G06F 16/951 (2019.01) G06F 16/31 (2019.01) G06F 16/335 (2019.01)**
[25] EN
[54] **NEURAL NETWORK FOR SEARCH RETRIEVAL AND RANKING**
[54] **RESEAU NEURONAL POUR RECUPERATION ET CLASSEMENT DE RESULTATS DE RECHERCHE**
[72] ROSSET, CORBIN LOUIS, US
[72] MITRA, BHASKAR, US
[72] HAWKING, DAVID ANTHONY, US
[72] CRASWELL, NICHOLAS ERIC, US
[72] DIAZ, FERNANDO, US
[72] YILMAZ, EMINE, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2021-11-02
[86] 2020-03-25 (PCT/US2020/024540)
[87] (WO2020/242566)
[30] US (16/423,081) 2019-05-27

[21] **3,138,921**
[13] A1
[51] **Int.Cl. B67D 1/00 (2006.01)**
[25] EN
[54] **WATER DISPENSING STATION**
[54] **STATION DE DISTRIBUTION D'EAU**
[72] FANTAPPIE, GIANCARLO, US
[72] MACRELLINO, DIEGO, US
[71] PEPSICO, INC., US
[85] 2021-11-01
[86] 2020-05-16 (PCT/US2020/033308)
[87] (WO2020/236666)
[30] US (62/849,796) 2019-05-17
[30] US (63/006,652) 2020-04-07
[30] US (16/875,975) 2020-05-15

[21] **3,138,922**
[13] A1
[51] **Int.Cl. A61K 31/23 (2006.01) A61K 31/43 (2006.01) A61K 31/545 (2006.01) A61K 31/65 (2006.01) A61K 31/7012 (2006.01) A61K 31/704 (2006.01) A61K 38/12 (2006.01) A61K 45/06 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING BIOFILM-RELATED LUNG CONDITIONS**
[54] **COMPOSITIONS ET PROCEDES DE TRAITEMENT D'AFFECTIONS PULMONAIRES ASSOCIEES A UN BIOFILM**
[72] FARMER, SEAN, US
[72] ALIBEK, KEN, US
[71] LOCUS IP COMPANY, LLC, US
[85] 2021-11-02
[86] 2020-05-08 (PCT/US2020/032039)
[87] (WO2020/231786)
[30] US (62/846,084) 2019-05-10

[21] **3,138,923**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01)**
[25] EN
[54] **HEART VALVE SEALING DEVICES, DELIVERY DEVICES THEREFOR, AND RETRIEVAL DEVICES**
[54] **DISPOSITIFS D'ETANCHEITE DE VALVULE CARDIAQUE, DISPOSITIFS DE MISE EN PLACE POUR CEUX-CI, ET DISPOSITIFS DE RECUPERATION**
[72] DIXON, ERIC ROBERT, US
[72] METCHIK, ASHER L., US
[72] GOHRES, RACHEL ANN, US
[72] NGUYEN, TAM VAN, US
[72] MONTOYA, DANIEL JAMES, US
[72] KWON, RHAYOUNG, US
[72] FRESCHAUF, LAUREN R., US
[72] STEARNS, GRANT MATTHEW, US
[72] TYLER, GREGORY SCOTT, II, US
[72] OBERWISE, ERIC MICHAEL, US
[72] FORD, STEVEN M., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2021-11-01
[86] 2020-05-18 (PCT/US2020/033437)
[87] (WO2020/236735)
[30] US (62/850,458) 2019-05-20

[21] **3,138,924**
[13] A1
[51] **Int.Cl. F16C 33/66 (2006.01) B65G 39/09 (2006.01) F16C 33/80 (2006.01) F16C 35/04 (2006.01)**
[25] EN
[54] **SPLIT PLUMMER BLOCK BEARING HOUSING**
[54] **LOGEMENT DE PALIER A SEMELLE FENDUE**
[72] KENWORTHY, DARREN, AU
[72] VARADARAJAN, RAMESH, AU
[71] SKF AUSTRALIA PTY LTD, AU
[85] 2021-11-01
[86] 2020-05-15 (PCT/AU2020/050480)
[87] (WO2020/227778)
[30] DE (10 2019 207 156.2) 2019-05-16

[21] **3,138,925**
[13] A1
[51] **Int.Cl. C02F 1/28 (2006.01) B29C 48/15 (2019.01) B01D 39/02 (2006.01) B01J 20/30 (2006.01) B29B 9/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS, ARTICLES, AND METHODS FOR ABATEMENT OF HYDROCARBON, METALS, AND ORGANIC POLLUTANTS**
[54] **COMPOSITIONS, ARTICLES ET PROCEDES DE REDUCTION D'HYDROCARBURES, DE METAUX ET DE POLLUANTS ORGANIQUES**
[72] LOLLING, SHAWN M., US
[72] GAN, BRUCE R., US
[71] ABTECH INDUSTRIES, INC., US
[85] 2021-11-02
[86] 2020-05-08 (PCT/US2020/032112)
[87] (WO2020/227636)
[30] US (16/408,326) 2019-05-09

[21] **3,138,926**
[13] A1
[51] **Int.Cl. G06F 9/451 (2018.01) G06F 3/16 (2006.01)**
[25] EN
[54] **ACTIVATION MANAGEMENT FOR MULTIPLE VOICE ASSISTANTS**
[54] **GESTION D'ACTIVATION POUR DE MULTIPLES ASSISTANTS VOCAUX**
[72] TRUFINESCU, ADINA MAGDALENA, US
[72] BRUSH, ALICE JANE BERNHEIM, US
[72] ENDRES, KEVIN J., US
[72] STIFELMAN, LISA J., US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2021-11-02
[86] 2020-03-26 (PCT/US2020/025066)
[87] (WO2020/236309)
[30] US (16/419,503) 2019-05-22

[21] **3,138,928**
[13] A1
[51] **Int.Cl. C11D 3/20 (2006.01) C11D 1/02 (2006.01) C11D 1/75 (2006.01) C11D 1/83 (2006.01)**
[25] EN
[54] **SURFACTANT PACKAGE FOR HIGH FOAMING DETERGENTS WITH LOW LEVEL OF MEDIUM TO LONG CHAIN LINEAR ALCOHOLS**
[54] **ENSEMBLE TENSIOACTIF POUR DETERGENTS HAUTEMENT MOUSSANTS AYANT UN FAIBLE NIVEAU DE MILIEU A DES ALCOOLS A LONGUES CHAINES LINEAIRES**
[72] MAN, VICTOR FUK-PONG, US
[72] BLATTNER, AMANDA R., US
[72] ANDERSON, DERRICK, US
[72] PU, GANG, US
[71] ECOLAB USA INC., US
[85] 2021-11-01
[86] 2020-05-20 (PCT/US2020/033703)
[87] (WO2020/236873)
[30] US (62/850,183) 2019-05-20

[21] **3,138,929**
[13] A1
[51] **Int.Cl. A61B 17/132 (2006.01) A61B 17/00 (2006.01) A61B 17/12 (2006.01) A61B 17/135 (2006.01) A61F 13/00 (2006.01)**
[25] EN
[54] **WINDLASS TOURNIQUET**
[54] **GARROT A TREUIL**
[72] JOHNSON, ROSS A., US
[72] HESTER, RICHARD ALAN, US
[72] HUSLEY, CORY S., US
[71] TACTICAL MEDICAL SOLUTIONS, LLC, US
[85] 2021-11-02
[86] 2020-05-08 (PCT/US2020/032254)
[87] (WO2020/227697)
[30] US (62/845,051) 2019-05-08

[21] **3,138,930**
[13] A1
[51] **Int.Cl. F16L 37/092 (2006.01) F16L 17/035 (2006.01) F16L 21/08 (2006.01) F16L 33/22 (2006.01)**
[25] EN
[54] **DOUBLE TAPER CONNECTOR**
[54] **RACCORD CONIQUE DOUBLE**
[72] GRANDERSON, DAVID WAYNE, US
[71] VARCO I/P, INC., US
[85] 2021-11-02
[86] 2020-05-22 (PCT/US2020/034352)
[87] (WO2020/237199)
[30] US (62/851,869) 2019-05-23

[21] **3,138,931**
[13] A1
[51] **Int.Cl. A01K 67/033 (2006.01)**
[25] FR
[54] **UNIT, BUILDING AND METHOD FOR REARING INSECT LARVAE**
[54] **UNITE, BATIMENT ET PROCEDE D'ELEVAGE DE LARVES D'INSECTES**
[72] BAPTISTAN, MAXIME, FR
[72] QUINNEZ, BASTIEN, FR
[71] PROTIFLY, FR
[85] 2021-11-01
[86] 2020-05-07 (PCT/FR2020/050762)
[87] (WO2020/225516)
[30] FR (FR1904793) 2019-05-07

[21] **3,138,932**
[13] A1
[51] **Int.Cl. C02F 1/44 (2006.01) B01D 61/02 (2006.01) B01D 61/12 (2006.01)**
[25] EN
[54] **SEAWATER TREATMENT TO OBTAIN HIGH SALINITY WATER WITH LOW HARDNESS FOR ENHANCED OIL RECOVERY**
[54] **TRAITEMENT D'EAU DE MER POUR OBTENIR DE L'EAU A SALINITE ELEVEE AVEC UNE FAIBLE DURETE POUR UNE RECUPERATION AMELIOREE DE PETROLE**
[72] ANTONOPOULOS, NICK, US
[72] DOUPE, MICHAEL, CA
[72] KANAGASABAI, TAMIZH ARUVI, IN
[72] KAPA, RAVI CHANDRA REDDY, AE
[72] ELYANOW, IRVING, US
[71] BL TECHNOLOGIES, INC., US
[85] 2021-11-02
[86] 2020-04-13 (PCT/US2020/027957)
[87] (WO2020/226853)
[30] IN (201911018156) 2019-05-07

[21] **3,138,933**
[13] A1
[51] **Int.Cl. A61K 47/64 (2017.01) A61K 47/65 (2017.01) C07K 16/22 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **DRUG CONJUGATES AND METHODS OF USING SAME**
[54] **CONJUGUES MEDICAMENTEUX ET LEURS METHODES D'UTILISATION**
[72] COCHRAN, JENNIFER R., US
[72] MILLER, CAITLYN, US
[72] KINTZING, JAMES R., US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2021-11-01
[86] 2020-05-21 (PCT/US2020/034050)
[87] (WO2020/237078)
[30] US (62/851,443) 2019-05-22

[21] **3,138,934**
[13] A1
[51] **Int.Cl. A23L 19/00 (2016.01) A23L 29/00 (2016.01) A23L 29/269 (2016.01) A23P 10/20 (2016.01) A23P 30/00 (2016.01) A23B 7/05 (2006.01) A23L 3/37 (2006.01)**
[25] EN
[54] **WATER ABSORBERS AND SEPARATION MECHANISMS FOR APPLICATION TO HIGH MOISTURE FOODSTUFFS**
[54] **ABSORBEURS D'EAU ET MECANISMES DE SEPARATION DESTINES A ETRE APPLIQUES A DES ALIMENTS A HUMIDITE ELEVEE**
[72] PUNO, CHRISTOPHER B., US
[72] MCGUIRE, SHARON F., US
[72] SCHLENKER, AMANDA R., US
[71] CONAGRA FOODS RDM, INC., US
[85] 2021-11-02
[86] 2020-05-13 (PCT/US2020/032607)
[87] (WO2020/232078)
[30] US (62/847,071) 2019-05-13
[30] US (15/930,746) 2020-05-13

[21] **3,138,935**
[13] A1
[51] **Int.Cl. E04B 7/22 (2006.01) B32B 13/02 (2006.01) B32B 13/14 (2006.01) E04C 2/04 (2006.01) E04C 2/06 (2006.01) E04C 2/288 (2006.01)**
[25] EN
[54] **BUILDING PANELS, ASSEMBLIES, AND ASSOCIATED METHODS**
[54] **PANNEAUX DE CONSTRUCTION, ENSEMBLES ET PROCEDES ASSOCIES**
[72] GILLEY, STUART BRANDON, US
[72] HARRISON, CHARLES RICHARD, US
[72] KAYELLO, HAMED MUSTAFA, US
[72] WANG, XIANYONG, US
[71] GEORGIA-PACIFIC GYPSUM LLC, US
[85] 2021-11-02
[86] 2020-06-05 (PCT/US2020/036274)
[87] (WO2020/247722)
[30] US (62/858,450) 2019-06-07
[30] US (62/890,981) 2019-08-23

[21] **3,138,936**
[13] A1
[51] **Int.Cl. B23K 35/02 (2006.01) B22D 11/00 (2006.01) B23K 35/28 (2006.01) B32B 15/01 (2006.01) C22C 21/00 (2006.01) C22C 21/02 (2006.01) C22C 21/10 (2006.01) F28F 21/08 (2006.01)**
[25] EN
[54] **ALUMINUM ALLOYS FOR FLUXLESS BRAZING APPLICATIONS, METHODS OF MAKING THE SAME, AND USES THEREOF**
[54] **ALLIAGES D'ALUMINIUM POUR APPLICATIONS DE BRASAGE SANS FLUX, LEURS PROCEDES DE PREPARATION ET UTILISATIONS ASSOCIEES**
[72] KADALI, JYOTHI, US
[71] NOVELIS INC., US
[85] 2021-11-02
[86] 2020-04-20 (PCT/US2020/028933)
[87] (WO2020/236373)
[30] US (62/849,938) 2019-05-19

[21] **3,138,937**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **OPTIMIZING RESERVE CREW PATTERNS**
[54] **OPTIMISATION DE MODELES D'EQUIPAGE DE RESERVE**
[72] ZHANG, YING, US
[72] LEWIS, RICHARD, US
[72] RANGAN, SURESH, US
[72] JIN, MINGZHOU, US
[71] FEDERAL EXPRESS CORPORATION, US
[85] 2021-11-02
[86] 2020-05-15 (PCT/US2020/033240)
[87] (WO2020/232396)
[30] US (62/848,374) 2019-05-15

[21] **3,138,938**
[13] A1
[51] **Int.Cl. C07D 471/14 (2006.01) A61K 31/519 (2006.01) A61P 31/12 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **TRICYCLIC COMPOUNDS**
[54] **COMPOSES TRICYCLIQUES**
[72] VENDEVILLE, SANDRINE, US
[71] ALIGOS THERAPEUTICS, INC., US
[85] 2021-11-01
[86] 2020-05-27 (PCT/US2020/034746)
[87] (WO2020/243199)
[30] US (62/854,597) 2019-05-30

[21] **3,138,939**
[13] A1
[51] **Int.Cl. H01M 10/26 (2006.01) H01M 4/24 (2006.01) H01M 10/28 (2006.01) H01M 10/44 (2006.01)**
[25] EN
[54] **ELECTROLYTIC BATTERY FOR HIGH-VOLTAGE AND SCALABLE ENERGY STORAGE**
[54] **BATTERIE ELECTROLYTIQUE POUR STOCKAGE D'ENERGIE A HAUTE TENSION ET ECHELONNABLE**
[72] CHAO, DONGLIANG, AU
[72] QIAO, SHI-ZHANG, AU
[71] THE UNIVERSITY OF ADELAIDE, AU
[85] 2021-11-03
[86] 2020-04-03 (PCT/AU2020/050335)
[87] (WO2020/198805)
[30] AU (2019901177) 2019-04-05

[21] **3,138,941**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS OF IDENTIFYING ATTRIBUTES OF THERAPEUTIC PROTEINS**
[54] **PROCEDES D'IDENTIFICATION D'ATTRIBUTS DE PROTEINES THERAPEUTIQUES**
[72] BONDARENKO, PAVEL, US
[72] CROUSE-ZEINEDDINI, JILL A., US
[72] KUHNS, SCOTT THOMAS, US
[72] NICHOLS, ANDREW, US
[72] XIAO, GANG, US
[72] SHI, RACHEL LIUQING, US
[71] AMGEN INC., US
[85] 2021-11-01
[86] 2020-06-05 (PCT/US2020/036380)
[87] (WO2020/247790)
[30] US (62/857,637) 2019-06-05
[30] US (62/968,682) 2020-01-31

[21] **3,138,942**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AN AUTOMATED AND INTELLIGENT FRAC PAD**
[54] **SYSTEME ET PROCEDE ASSOCIES A UN TAMPON DE FRACTURATION AUTOMATISE ET INTELLIGENT**
[72] CURRY, ZACHARY, US
[72] CAPPELLO, ANDREW, US
[72] MACHADO, THIAGO, US
[72] COOK, JAMES, US
[72] GUNATILLEKE, SOBITHA, US
[72] PILLAI, RAJEEV, US
[72] ANZOLA, HERNAN, US
[72] RAMSEY, NATHANIAL, US
[72] DIXON, CLAY, US
[72] TIVIROLI-MELCHERT, GABRIEL, US
[71] FMC TECHNOLOGIES, INC., US
[85] 2021-11-02
[86] 2020-05-18 (PCT/US2020/033383)
[87] (WO2020/236703)
[30] US (62/849,375) 2019-05-17

[21] **3,138,943**
[13] A1
[51] **Int.Cl. C04B 35/01 (2006.01) C04B 35/26 (2006.01) H01M 4/86 (2006.01)**
[25] EN
[54] **EVALUATION OF SOLID OXIDE FUEL CELL CATHODE MATERIALS**
[54] **EVALUATION DE MATIERES DE CATHODE DE PILE A COMBUSTIBLE A OXYDE SOLIDE**
[72] LIN, YE, US
[72] LIU, YING, US
[72] ALVEY, PAUL MICHAEL, US
[71] PHILLIPS 66 COMPANY, US
[85] 2021-11-02
[86] 2020-04-29 (PCT/US2020/030491)
[87] (WO2020/226971)
[30] US (62/844,348) 2019-05-07
[30] US (16/861,959) 2020-04-29

[21] **3,138,944**
[13] A1
[51] **Int.Cl. A61M 1/28 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **PATIENT LINE CHECK AND OCCLUSION DETECTION FOR A DIALYSIS MACHINE USING ADJUSTED PUMP OPERATING PARAMETERS**
[54] **CONTROLE ET DETECTION D'OCCLUSION DANS UNE VOIE DE PATIENT POUR UNE MACHINE DE DIALYSE UTILISANT DES PARAMETRES DE FONCTIONNEMENT DE POMPE AJUSTES**
[72] PLAHEY, KULWINDER S., US
[72] ZHU, JIE, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2021-11-01
[86] 2020-06-11 (PCT/US2020/037319)
[87] (WO2020/257065)
[30] US (16/447,759) 2019-06-20

[21] **3,138,945**
[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) C12N 15/113 (2010.01) A61K 31/7115 (2006.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61P 21/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING MUSCULAR DYSTROPHY USING INHIBITORY OLIGONUCLEOTIDES TO CD49D**
[54] **METHODES DE TRAITEMENT DE LA DYSTROPHIE MUSCULAIRE A L'AIDE D'OLIGONUCLEOTIDES INHIBITEURS DIRIGES CONTRE LE CD49D**
[72] TACHAS, GEORGE, AU
[71] ANTISENSE THERAPEUTICS LTD, AU
[85] 2021-11-03
[86] 2020-05-06 (PCT/AU2020/050445)
[87] (WO2020/223762)
[30] AU (2019901540) 2019-05-06

[21] **3,138,946**
[13] A1
[51] **Int.Cl. C04B 35/26 (2006.01) H01M 8/04313 (2016.01) H01M 8/0444 (2016.01)**
[25] EN
[54] **EVALUATION OF SOLID OXIDE FUEL CELL CATHODE MATERIALS**
[54] **EVALUATION DE MATERIAUX DE CATHODE DE PILE A COMBUSTIBLE A OXYDE SOLIDE**
[72] LIN, YE, US
[72] LIU, YING, US
[72] ALVEY, PAUL MICHAEL, US
[71] PHILLIPS 66 COMPANY, US
[85] 2021-11-02
[86] 2020-04-29 (PCT/US2020/030505)
[87] (WO2020/226974)
[30] US (62/844,355) 2019-05-07
[30] US (16/861,995) 2020-04-29

[21] **3,138,947**
[13] A1
[51] **Int.Cl. B81B 3/00 (2006.01) A61N 1/04 (2006.01) A61N 1/32 (2006.01) B81B 7/02 (2006.01)**
[25] EN
[54] **MICRO-ELECTRO-MECHANICAL-SYSTEM STRUCTURES AND APPLICATIONS THEREOF**
[54] **STRUCTURES A SYSTEME MICRO-ELECTRO-MECANIQUE ET LEURS APPLICATIONS**
[72] WEBB, MARK A., US
[72] BOUSSE, LUC JAN, US
[72] BANERJEE, ARUNAVA STEVEN, US
[71] MEKONOS INC., US
[85] 2021-11-01
[86] 2020-06-11 (PCT/US2020/037321)
[87] (WO2020/252213)
[30] US (62/861,274) 2019-06-13

[21] **3,138,948**
[13] A1
[51] **Int.Cl. C02F 11/14 (2019.01) B03D 1/08 (2006.01) B03D 1/10 (2006.01)**
[25] EN
[54] **PROCESS OF DISPOSAL IN PILES OF TAILINGS STEMMING FROM THE IRON ORE PROCESSING METHOD**
[54] **PROCEDE D'AGENCEMENT EN PILES DE REJETS PROVENANT DU PROCEDE DE TRAITEMENT DU MINERAI DE FER**
[72] TORQUATO, NILTON CARLOS, BR
[72] DA SILVA, WASHINGTON PIRETE, BR
[71] VALE S.A., BR
[85] 2021-11-03
[86] 2020-05-13 (PCT/BR2020/050157)
[87] (WO2020/237333)
[30] BR (BR1020190107120) 2019-05-24

[21] **3,138,949**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) B01L 3/00 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TARGET MATERIAL RETRIEVAL FROM MICROWELLS**
[54] **SYSTEME ET PROCEDE DE RECUPERATION DE MATERIAU CIBLE A PARTIR DE MICROPUITS**
[72] HANDIQUE, KALYAN, US
[72] RANADE, SWATI, US
[72] SHARMA, VISHAL, US
[72] PAYNE, AUSTIN, US
[72] TUCK, SAM, US
[71] BIO-RAD LABORATORIES, INC., US
[85] 2021-11-01
[86] 2020-06-19 (PCT/US2020/038647)
[87] (WO2020/263700)
[30] US (62/866,726) 2019-06-26
[30] US (16/867,235) 2020-05-05

[21] **3,138,950**
[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/015 (2006.01)**
[25] EN
[54] **ENDOSCOPE AIR/WATER FLUSH ADAPTOR AND METHOD**
[54] **ADAPTATEUR DE RINCAGE A L'AIR/EAU D'ENDOSCOPE ET PROCEDE**
[72] GAVALIS, ROBB M., US
[72] JENSRUD, ALLYN N., US
[72] HARRIS, COLBY, US
[72] STANTON, LARRY E., US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2021-11-01
[86] 2020-07-10 (PCT/US2020/041549)
[87] (WO2021/007493)
[30] US (62/872,887) 2019-07-11

[21] **3,138,951**
[13] A1
[51] **Int.Cl. G10K 11/178 (2006.01) H04R 9/06 (2006.01) H04R 9/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ACTIVE NOISE REDUCTION**
[54] **APPAREIL ET PROCEDE DE REDUCTION ACTIVE DE BRUIT**
[72] SOBOL, RAYMOND, CA
[71] ZEROSOUND SYSTEMS INC., CA
[85] 2021-11-03
[86] 2019-05-03 (PCT/CA2019/050597)
[87] (WO2020/223782)

[21] **3,138,952**
[13] A1
[51] **Int.Cl. A61M 60/50 (2021.01) A61B 5/352 (2021.01) A61M 60/135 (2021.01) A61B 5/0215 (2006.01)**
[25] EN
[54] **PREDICTIVE QRS DETECTION AND R-TO-R TIMING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DETECTION PREDICTIVE DE QRS ET DE SYNCHRONISATION R A R**
[72] SMITH, ROBERT M., US
[72] CHINTA, NAGARJUNA REDDY, US
[72] MCCORMICK, RYAN DANIEL, US
[72] IVERS, DOUGLAS EDWARD, US
[72] WILLIAMS, CRANOS M., US
[72] BADHEKA, DIVYAKUMAR MAHIMAN, US
[72] NAGLE, HUBERT TROY, US
[72] DASARI, SAI BHARGAV, US
[72] SAMADI, SHAMIM, US
[71] NUPULSECV, INC., US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2021-11-02
[86] 2020-04-30 (PCT/US2020/030797)
[87] (WO2020/223524)
[30] US (16/401,368) 2019-05-02

[21] **3,138,953**
[13] A1
[51] **Int.Cl. H04N 13/00 (2018.01) H04N 19/33 (2014.01) H04N 19/593 (2014.01)**
[25] EN
[54] **SIGNALING OUTPUT PICTURE SIZE FOR REFERENCE PICTURE RESAMPLING**
[54] **SIGNALISATION DE TAILLE D'IMAGE DE SORTIE POUR UN REECHANTILLONNAGE D'IMAGE DE REFERENCE**
[72] CHOI, BYEONGDOO, US
[72] WENGER, STEPHAN, US
[72] LIU, SHAN, US
[71] TENCENT AMERICA LLC, US
[85] 2021-11-01
[86] 2020-11-09 (PCT/US2020/059695)
[87] (WO2021/137944)
[30] US (62/955,514) 2019-12-31
[30] US (17/063,253) 2020-10-05

[21] **3,138,954**
[13] A1
[51] **Int.Cl. G10K 11/178 (2006.01) H04R 1/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR SOUND WAVE GENERATION AND ACTIVE NOISE REDUCTION**
[54] **APPAREIL ET PROCEDE DE GENERATION D'ONDE SONORE ET DE REDUCTION ACTIVE DU BRUIT**
[72] SOBOL, RAYMOND, CA
[72] BOGNER, NORM W., CA
[72] PARKER, CHRIS, CA
[72] SCHMITT, SIMON, CA
[72] APPERLEY, THOMAS, CA
[71] ZEROSOUND SYSTEMS INC., CA
[85] 2021-11-03
[86] 2020-04-27 (PCT/CA2020/050554)
[87] (WO2020/223795)
[30] US (16/403,250) 2019-05-03
[30] US (16/856,525) 2020-04-23

[21] **3,138,955**
[13] A1
[51] **Int.Cl. C09K 3/14 (2006.01)**
[25] EN
[54] **COATED ADHESION ENHANCEMENT COMPOSITIONS**
[54] **COMPOSITIONS ENDUITES D'AMELIORATION DE L'ADHERENCE**
[72] GUTSULYAK, DMITRY, CA
[72] STANLAKE, LOUISA, CA
[71] L.B. FOSTER RAIL TECHNOLOGIES, CORP., CA
[85] 2021-11-03
[86] 2020-05-21 (PCT/CA2020/050685)
[87] (WO2020/232551)
[30] US (62/851,225) 2019-05-22

[21] **3,138,958**
[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) A61B 34/00 (2016.01) G16H 20/40 (2018.01) A61F 9/008 (2006.01)**
[25] EN
[54] **CLOUD BASED SYSTEM CATARACT TREATMENT DATABASE AND ALGORITHM SYSTEM**
[54] **BASE DE DONNEES DE TRAITEMENT DE LA CATARACTE DE SYSTEME EN NUAGE ET SYSTEME D'ALGORITHME**
[72] PATTON, DOUGLAS, US
[71] LENSAR, INC., US
[85] 2021-11-02
[86] 2020-04-30 (PCT/US2020/030823)
[87] (WO2020/227026)
[30] US (62/842,850) 2019-05-03
[30] US (62/850,876) 2019-05-21

[21] **3,138,959**
[13] A1
[51] **Int.Cl. G06T 7/10 (2017.01) G06N 3/02 (2006.01) G06N 3/04 (2006.01) G06N 3/08 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **IMAGE DIAGNOSTIC SYSTEM, AND METHODS OF OPERATING THEREOF**
[54] **SYSTEME DE DIAGNOSTIC D'IMAGES, ET SES PROCEDES D'EXPLOITATION**
[72] HOSSEINI, MAHDI S., CA
[72] PLATANIOTIS, KONSTANTINOS, CA
[72] CHAN, LYNDON, CA
[72] HAYES, JASPER, CA
[72] DAMASKINOS, SAVVAS, CA
[71] HURON TECHNOLOGIES INTERNATIONAL INC., CA
[85] 2021-11-03
[86] 2020-05-01 (PCT/CA2020/050584)
[87] (WO2020/223798)
[30] US (62/842,698) 2019-05-03

[21] **3,138,960**
[13] A1
[51] **Int.Cl. B02C 23/00 (2006.01) G06T 7/10 (2017.01) G06T 7/155 (2017.01) B02C 15/00 (2006.01) B02C 17/18 (2006.01) B02C 17/20 (2006.01) B02C 23/08 (2006.01) G01B 11/00 (2006.01) G01B 11/24 (2006.01) G01B 11/30 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR ONLINE DETERMINATION OF THE CHARACTERISTICS OF WORN BALLS AND BALL FRAGMENTS OF THE SAME**
[54] **SYSTEME ET PROCEDE POUR DETERMINER EN LIGNE LES CARACTERISTIQUES DE BILLES USEES ET DE MORCEAUX DE CELLES-CI**
[72] TITICHOCA AGUIRRE, GILDA VERONICA, CL
[72] PERELLI BACIGALUPO, ENNIO CARLO, CL
[72] SEPULVEDA VILLALOBOS, GERMAN ARNALDO, CL
[72] DIAZ CID, JAIME ROBERTO, CL
[72] CASTILLO PIZARRO, PATRICIO ALEJANDRO, CL
[72] ALTAMIRANO CABRERA, EDUARDO LORENZO, CL
[71] LMAGNE INGENIERIA LTDA, CL
[71] SOCIEDAD DE INNOVACION Y TRANSFERENCIA TECNOLOGICA LTDA, CL
[71] ESTUDIO, ASESORIAS Y CAPACITACION ALTOYA LTDA., CL
[85] 2021-11-03
[86] 2020-05-02 (PCT/CL2020/050048)
[87] (WO2020/223831)
[30] CL (1231-2019) 2019-05-03

[21] **3,138,962**
[13] A1
[51] **Int.Cl. C07D 405/12 (2006.01) A61K 31/473 (2006.01) A61P 25/00 (2006.01) C07D 455/06 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE MANUFACTURE OF (2S,3S,4S,5R,6S)-3,4,5-TRIHYDROXY-6-(((4AR,10AR)-7-HYDROXY-1-PROPYL-1,2,3,4,4A,5,10,10A-OCTAHYDROBENZO[G]QUINOLIN-6-YL)OXY)TETRAHYDRO-2H-PYRAN-2-C ARBOXYLIC ACID**
[54] **PROCEDE DE FABRICATION DE (2S,3S,4S,5R,6S)-3,4,5-TRIHYDROXY-6-(((4 AR,10 R)-HYDROXY-1-PROPYL-1,2,3,4,4 A,5,10,10 A-OCTAHYDROBENZO [G]QUINOLIN-6-YL) OXY)TETRAHYDRO-2H-PYRAN-2-CARBO XYLIQUE**
[72] JUHL, MARTIN, DK
[72] THERKELSEN, FRANS DENNIS, DK
[72] FRIHED, TOBIAS GYLLING, DK
[71] H. LUNDBECK A/S, DK
[85] 2021-11-02
[86] 2020-05-19 (PCT/EP2020/063909)
[87] (WO2020/234271)
[30] DK (PA201900599) 2019-05-20
[30] DK (PA201900636) 2019-05-24

[21] **3,138,964**
[13] A1
[51] **Int.Cl. G03G 15/00 (2006.01) G03G 15/08 (2006.01) G03G 21/16 (2006.01) G03G 21/18 (2006.01)**
[25] EN
[54] **TONER CARTRIDGE ELECTRICAL CONTACTS**
[54] **CONTACTS ELECTRIQUES DE CARTOUCHE DE TONER**
[72] CARPENTER, BRIAN SCOTT, US
[72] CAVILL, GREGORY ALAN, US
[72] TONGES, JEFFREY LAWRENCE, US
[71] LEXMARK INTERNATIONAL, INC., US
[85] 2021-11-02
[86] 2020-05-01 (PCT/US2020/030922)
[87] (WO2020/227047)
[30] US (16/405,100) 2019-05-07

[21] **3,138,965**
[13] A1
[51] **Int.Cl. A63F 13/00 (2014.01)**
[25] EN
[54] **JACKPOT GAME SYSTEM IN WHICH SIMULTANEOUSLY OBTAINING MULTIPLE JACKPOTS IS POSSIBLE**
[54] **SYSTEME DE JEU DE GROS LOT DANS LEQUEL IL EST POSSIBLE D'OBTENIR SIMULTANEMENT DE MULTIPLES GROS LOTS**
[72] HSU, TIENSHU, CN
[71] HSU, TIENSHU, CN
[85] 2021-11-03
[86] 2019-07-25 (PCT/CN2019/097727)
[87] (WO2021/012270)

[21] **3,138,966**
[13] A1
[51] **Int.Cl. A24F 47/00 (2020.01)**
[25] EN
[54] **CARTRIDGE AND ELECTRONIC CIGARETTE**
[54] **CARTOUCHE ET CIGARETTE ELECTRONIQUE**
[72] ZHANG, YUNKAI, CN
[72] HU, RUILONG, CN
[72] XU, ZHONGLI, CN
[72] LI, YONGHAI, CN
[71] SHENZHEN FIRST UNION TECHNOLOGY CO., LTD., CN
[85] 2021-11-03
[86] 2020-05-06 (PCT/CN2020/088765)
[87] (WO2020/224590)
[30] CN (201920645593.5) 2019-05-07

[21] **3,138,967**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **PUMP ASSEMBLY AND SYSTEM FOR INDUCING NEGATIVE PRESSURE IN A PORTION OF A URINARY TRACT OF A PATIENT**
[54] **ENSEMBLE POMPE ET SYSTEME POUR INDUIRE UNE PRESSION NEGATIVE DANS UNE PARTIE DES VOIES URINAIRES D'UN PATIENT**
[72] ERBEY, JOHN R., II, US
[72] CAHILL, ANDREW, US
[72] HOANG, ALAN, US
[72] SERGENT, OLIVIA, US
[72] UPPERCO, JACOB L., US
[72] ZANG, JENNY, US
[72] ORR, DAVID E., US
[71] ROIVIOS LIMITED, BS
[85] 2021-10-18
[86] 2020-04-23 (PCT/IB2020/053870)
[87] (WO2020/217214)
[30] US (62/837,513) 2019-04-23

[21] **3,138,969**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CD33-BINDING POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES DE LIAISON A CD33 ET LEURS UTILISATIONS**
[72] JONES, KYLE, US
[72] CRAGO, WILLIAM, US
[72] SANABRIA, ANGELICA, US
[72] HOLLANDS, ANDREW, US
[72] GANO, JACOB, US
[72] MA, MILTON, US
[72] TIMMER, JOHN C., US
[72] ECKELMAN, BRENDAN P., US
[71] INHIBRX, INC., US
[85] 2021-11-02
[86] 2020-05-01 (PCT/US2020/030969)
[87] (WO2020/227072)
[30] US (62/843,408) 2019-05-04
[30] US (62/844,359) 2019-05-07

[21] **3,138,970**
[13] A1
[51] **Int.Cl. A61J 15/00 (2006.01) A61B 17/24 (2006.01) A61M 16/04 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **FEEDING TUBE WITH INTEGRATED STYLET**
[54] **TUBE D'ALIMENTATION AVEC STYLET INTEGRE**
[72] NIGH, HAROLD, CA
[71] BLES BIOCHEMICALS INCORPORATED, CA
[85] 2021-11-03
[86] 2020-05-05 (PCT/CA2020/050599)
[87] (WO2020/223805)
[30] US (62/843,673) 2019-05-06

[21] **3,138,971**
[13] A1
[51] **Int.Cl. B66B 23/04 (2006.01) B66B 23/20 (2006.01)**
[25] EN
[54] **FORCE-DRIVEN HANDRAIL BELT APPARATUS**
[54] **APPAREIL A COURROIE DE MAIN COURANTE ENTRAINE PAR LA FORCE**
[72] ZHU, XUEMING, CN
[71] HANSON LIFT (SUZHOU) CO., LTD., CN
[85] 2021-11-03
[86] 2019-09-11 (PCT/CN2019/105363)
[87] (WO2020/228200)
[30] CN (201910389464.9) 2019-05-10

[21] **3,138,972**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CLEC12A-BINDING POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES SE LIANT A CLEC12A ET LEURS UTILISATIONS**
[72] RASCON, LUCAS, US
[72] SANABRIA, ANGELICA, US
[72] TIMMER, JOHN C., US
[72] ECKELMAN, BRENDAN P., US
[71] INHIBRX, INC., US
[85] 2021-11-02
[86] 2020-05-01 (PCT/US2020/030970)
[87] (WO2020/227073)
[30] US (62/843,411) 2019-05-04
[30] US (62/844,426) 2019-05-07

[21] **3,138,973**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **CDK INHIBITORS**
[54] **INHIBITEURS DE CDK**
[72] HU, ZHILONG, CN
[72] HE, HU, CN
[72] ZHANG, FEI, CN
[72] ZHU, XIAOTIAN, US
[72] ZHONG, WENGE, US
[71] QILU REGOR THERAPEUTICS INC., CN
[85] 2021-11-03
[86] 2020-05-05 (PCT/CN2020/088585)
[87] (WO2020/224568)
[30] CN (PCT/CN2019/085494) 2019-05-05

[21] **3,138,974**
[13] A1
[51] **Int.Cl. G06F 1/14 (2006.01) G16H 10/20 (2018.01) G16H 10/60 (2018.01) G06F 16/20 (2019.01) G06F 11/34 (2006.01) G06F 17/40 (2006.01)**
[25] EN
[54] **TRACKING AND VALIDATING TIME OF PORTABLE DIGITAL RECORDING DEVICES**
[54] **SUIVI ET VALIDATION DE TEMPS DE DISPOSITIFS D'ENREGISTREMENT NUMERIQUES PORTABLES**
[72] KAUPPI, SAULI, FI
[71] SIGNANT HEALTH GLOBAL LLC, US
[85] 2021-11-02
[86] 2019-05-02 (PCT/FI2019/050345)
[87] (WO2020/221953)

[21] **3,138,975**
[13] A1
[51] **Int.Cl. B61D 27/00 (2006.01) F24F 5/00 (2006.01)**
[25] EN
[54] **AIR CONDITIONING SYSTEM FOR A RAIL VEHICLE WITH A COLD RESERVOIR UNIT, AND METHOD FOR OPERATING AN AIR CONDITIONING SYSTEM OF SAID TYPE**
[54] **INSTALLATION DE CLIMATISATION POUR VEHICULE FERROVIAIRE COMPRENANT UNE UNITE DE STOCKAGE DE FROID ET PROCEDE POUR FAIRE FONCTIONNER UNE TELLE INSTALLATION DE CLIMATISATION**
[72] BOECK, LUTZ, DE
[72] KASTNER, LORENZ, DE
[71] FAIVELEY TRANSPORT LEIPZIG GMBH & CO. KG, DE
[85] 2021-11-03
[86] 2020-07-21 (PCT/DE2020/100636)
[87] (WO2021/018346)
[30] DE (10 2019 120 719.3) 2019-07-31

[21] **3,138,977**
[13] A1
[51] **Int.Cl. A62D 3/17 (2007.01)**
[25] EN
[54] **METHOD FOR DEGRADING CANNABINOID**
[54] **PROCEDE DE DEGRADATION DE CANNABINOIDE**
[72] TAN, XIN, CN
[72] SUN, WUXING, CN
[72] XING, JUNBO, CN
[72] WANG, SHUBIN, CN
[72] MA, YOUPING, CN
[72] ZHANG, JING, CN
[71] HANYI BIO-TECHNOLOGY (BEIJING) CO., LTD., CN
[85] 2021-11-03
[86] 2020-05-14 (PCT/CN2020/090346)
[87] (WO2020/238641)
[30] CN (201910464062.0) 2019-05-30

[21] **3,138,978**
[13] A1
[51] **Int.Cl. C07H 19/11 (2006.01) A61K 31/513 (2006.01) A61K 31/7072 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATING CANCER**
[54] **COMPOSES POUR TRAITER LE CANCER**
[72] FENAUX, MARTIJN, US
[72] ZHONG, WEIDONG, US
[72] KIRSCHBERG, THORSTEN A., US
[71] TERNS PHARMACEUTICALS, INC., US
[85] 2021-11-02
[86] 2020-05-01 (PCT/US2020/031132)
[87] (WO2020/227132)
[30] US (62/843,005) 2019-05-03

[21] **3,138,979**
[13] A1
[51] **Int.Cl. F16B 2/06 (2006.01) F16L 3/11 (2006.01)**
[25] EN
[54] **SEISMIC SWAY BRACE FITTING**
[54] **RACCORD D'APPUI PENDULAIRE SISMIQUE**
[72] GUNN, JOSH, US
[72] PETRY, DAVID, US
[72] PRUITT, PHILLIP, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2021-11-03
[86] 2020-04-30 (PCT/EP2020/025202)
[87] (WO2020/224804)
[30] US (62/843,001) 2019-05-03

[21] **3,138,980**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/551 (2006.01) A61K 45/06 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **USE OF CANNABIDIOL IN THE TREATMENT OF EPILEPTIC SPASMS**
[54] **UTILISATION DE CANNABIDIOL DANS LE TRAITEMENT DE SPASMES EPILEPTIQUES**
[72] GUY, GEOFFREY, GB
[72] KNAPPERTZ, VOLKER, GB
[72] DUNAYEVICH, EDUARDO, US
[72] CHECKETTS, DANIEL, GB
[71] GW RESEARCH LIMITED, GB
[85] 2021-11-02
[86] 2020-05-15 (PCT/GB2020/051185)
[87] (WO2020/234569)
[30] GB (1907283.4) 2019-05-23

[21] **3,138,981**
[13] A1
[51] **Int.Cl. A61K 36/60 (2006.01) A61K 8/9789 (2017.01) A61K 8/49 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01)**
[25] EN
[54] **INCLUSION COMPOUND CONTAINING NON-PSYCHOACTIVE CANNABINOID AND METHOD FOR PREPARATION THEREOF**
[54] **COMPOSE D'INCLUSION CONTENANT UN CANNABINOIDE NON PSYCHOACTIF ET SON PROCEDE DE PREPARATION**
[72] SUN, WUXING, CN
[72] TAN, XIN, CN
[72] ZHANG, JING, CN
[72] JIN, QIAN, CN
[72] WANG, SHUBIN, CN
[72] XING, JUNBO, CN
[71] HANYI BIO-TECHNOLOGY (BEIJING) CO., LTD., CN
[85] 2021-11-03
[86] 2020-05-14 (PCT/CN2020/090347)
[87] (WO2020/238642)
[30] CN (201910463263.9) 2019-05-30

[21] **3,138,982**
[13] A1
[51] **Int.Cl. B65G 1/02 (2006.01) B65G 1/04 (2006.01) F16P 3/08 (2006.01)**
[25] EN
[54] **AUTOMATED STORAGE AND RETRIEVAL SYSTEM COMPRISING A BARRIER**
[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION AUTOMATISE COMPRENANT UNE BARRIERE**
[72] GJERDEVIK, OYSTEIN, NO
[72] MÆHLE, OLE ALEXANDER, NO
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2021-11-03
[86] 2020-03-26 (PCT/EP2020/058592)
[87] (WO2020/259883)
[30] NO (20190813) 2019-06-28

[21] **3,138,983**
[13] A1
[51] **Int.Cl. A47G 19/12 (2006.01) A63F 3/06 (2006.01) A63F 9/00 (2006.01) G09B 19/00 (2006.01)**
[25] EN
[54] **INTERACTIVE MULTI-CHAMBER CONTAINER**
[54] **CONTENEUR MULTICHAMBRE INTERACTIF**
[72] CONNOLLY, SEAN MICHEL, US
[71] CONNOLLY, SEAN MICHEL, US
[85] 2021-09-24
[86] 2020-04-10 (PCT/US2020/027803)
[87] (WO2020/210725)
[30] US (62/833,160) 2019-04-12
[30] US (16/817,362) 2020-03-12

[21] **3,138,984**
[13] A1
[51] **Int.Cl. A24F 47/00 (2020.01)**
[25] EN
[54] **CONFIGURING A PERSONAL COMPUTING DEVICE FOR COMMUNICATION WITH AN AEROSOL GENERATION DEVICE**
[54] **CONFIGURATION D'UN DISPOSITIF INFORMATIQUE PERSONNEL POUR UNE COMMUNICATION AVEC UN DISPOSITIF DE GENERATION D'AEROSOL**
[72] STOCKALL, ADRIAN PETER, CH
[72] KUDAMA AL MUDARIS, MAGD, GB
[72] RUIZ PEINADO, JONATHAN, GB
[71] JT INTERNATIONAL S.A., CH
[85] 2021-11-03
[86] 2020-03-31 (PCT/EP2020/059108)
[87] (WO2020/229045)
[30] EP (19173859.0) 2019-05-10

[21] **3,138,985**
[13] A1
[51] **Int.Cl. A01N 43/90 (2006.01) A01P 5/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **PLANT PARASITIC NEMATODE CONTROL AGENT AND METHOD FOR CONTROLLING PLANT PARASITIC NEMATODE**
[54] **AGENT DE LUTTE CONTRE LES NEMATODES PHYTOPARASITES ET PROCEDE DE LUTTE CONTRE LES NEMATODES PHYTOPARASITES**
[72] TAKEUCHI, HARUKA, JP
[72] ONOZAKI, YASUMICHI, JP
[72] HORIKOSHI, RYO, JP
[72] SATO, ATSUSHI, JP
[71] MEIJI SEIKA PHARMA CO., LTD., JP
[85] 2021-11-01
[86] 2020-05-27 (PCT/JP2020/020955)
[87] (WO2020/241702)
[30] JP (2019-098327) 2019-05-27

[21] **3,138,986**
[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS FOR DETECTING NUCLEIC ACID VARIANTS**
[54] **PROCEDE DE DETECTION DE VARIANTS D'ACIDE NUCLEIQUE**
[72] ETZIONI, YOAV, US
[72] FAIGLER, SIMCHON, US
[72] ALMOGY, GILAD, US
[72] PRATT, MARK, US
[72] OBERSTRASS, FLORIAN, US
[71] ULTIMA GENOMICS, INC., US
[85] 2021-11-02
[86] 2020-05-01 (PCT/US2020/031147)
[87] (WO2020/227137)
[30] US (62/842,534) 2019-05-03
[30] US (62/971,530) 2020-02-07

[21] **3,138,987**
[13] A1
[51] **Int.Cl. F16L 37/088 (2006.01) F16L 37/40 (2006.01) F16L 55/10 (2006.01)**
[25] EN
[54] **BREAKAWAY COUPLING WITH AN ANTI-ROTATION SAFEGUARD**
[54] **RACCORD DE SECURITE ARRACHABLE AVEC SECURITE ANTIROTATION**
[72] MEYER, ULRICH, DE
[71] ELAFLEX HIBY GMBH & CO. KG, DE
[85] 2021-11-03
[86] 2020-05-04 (PCT/EP2020/062276)
[87] (WO2020/225192)
[30] EP (19172437.6) 2019-05-03

[21] **3,138,989**
[13] A1
[51] **Int.Cl. B01D 3/14 (2006.01) C10G 7/00 (2006.01) C10G 7/02 (2006.01) C10G 45/58 (2006.01) C10G 67/02 (2006.01)**
[25] EN
[54] **PURIFICATION OF HEXANE AS BY-PRODUCT OF AN ISOMERIZATION UNIT USING A DIVIDING WALL COLUMN**
[54] **PURIFICATION DE L'HEXANE EN TANT QUE SOUS-PRODUIT D'UNE UNITE D'ISOMERISATION A L'AIDE D'UNE COLONNE A PAROI DE SEPARATION**
[72] BHARGAVA, MANISH, US
[72] KALITA, ROOMI, US
[72] KANDA, AMIT, US
[72] RAVITEJ, PAMARAJU V., IN
[72] CHAUDHARY, KONDAPALLI SHREYA, IN
[71] SULZER MANAGEMENT AG, CH
[71] BHARAT PETROLEUM CORPORATION LIMITED, IN
[85] 2021-11-02
[86] 2020-05-14 (PCT/IB2020/000379)
[87] (WO2020/229892)
[30] US (62/848,217) 2019-05-15

[21] **3,138,991**
[13] A1
[51] **Int.Cl. C40B 30/04 (2006.01) B82Y 5/00 (2011.01) A61K 47/50 (2017.01) A61K 47/64 (2017.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DIAGNOSTICALLY-RESPONSIVE LIGAND-TARGETED DELIVERY OF THERAPEUTIC AGENTS**
[54] **METHODES ET COMPOSITIONS POUR L'ADMINISTRATION D'AGENTS THERAPEUTIQUES CIBLEE SUR DES LIGANDS, SENSIBLE AU DIAGNOSTIC**
[72] WATSON, ANDRE RONALD, US
[72] CHIZARI, SHAHAB, US
[72] SPENCER, RYAN, US
[72] FOSTER, CHRISTIAN, US
[72] LIN, SHUAILIANG, US
[72] PEYROT, SARA MARIE, US
[72] DESHPANDE, PRANALI, US
[72] DOBBIN, MATTHEW, US
[72] CONNORS, WILLIAM, US
[71] LIGANDAL, INC., US
[85] 2021-11-02
[86] 2020-05-01 (PCT/US2020/031188)
[87] (WO2020/223705)
[30] US (62/842,400) 2019-05-02

[21] **3,138,992**
[13] A1
[51] **Int.Cl. B01D 53/22 (2006.01) C01B 32/55 (2017.01) B01D 45/12 (2006.01) B01D 53/62 (2006.01) B01D 53/83 (2006.01) B01D 53/96 (2006.01) C01F 11/06 (2006.01) C04B 7/43 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CARBON CAPTURE**
[54] **SYSTEME ET PROCEDE DE CAPTURE DE CARBONE**
[72] LU, XIJIA, US
[72] FORREST, BROCK ALAN, US
[72] FETVEDT, JEREMY ERON, US
[72] RAFATI, NAVID, US
[71] 8 RIVERS CAPITAL, LLC, US
[85] 2021-11-02
[86] 2020-05-01 (PCT/IB2020/054160)
[87] (WO2020/225689)
[30] US (62/843,012) 2019-05-03
[30] US (62/936,723) 2019-11-18
[30] US (62/965,405) 2020-01-24

[21] **3,138,995**
[13] A1
[51] **Int.Cl. A23L 2/52 (2006.01) A23L 33/105 (2016.01) A23L 33/115 (2016.01) A23L 33/12 (2016.01) A23D 7/00 (2006.01) A23L 2/02 (2006.01)**
[25] EN
[54] **OMEGA-3 BEVERAGE**
[54] **BOISSON AUX OMEGA-3**
[72] MATHISEN, JANNE SANDE, NO
[72] MATHISEN, HENRIK, NO
[71] LYNXIT SPORT NUTRITION AS, NO
[85] 2021-11-03
[86] 2020-05-04 (PCT/EP2020/062326)
[87] (WO2020/225217)
[30] NO (20190588) 2019-05-07
[30] NO (20191535) 2019-12-30

[21] **3,138,996**
[13] A1
[51] **Int.Cl. A61K 6/54 (2020.01) A61K 6/20 (2020.01) A61K 6/62 (2020.01) A61K 6/64 (2020.01) A61K 6/73 (2020.01) A61K 6/824 (2020.01)**
[25] EN
[54] **HYDROGEL MATERIALS FOR OBTURATION**
[54] **MATERIAUX D'HYDROGEL POUR OBTURATION**
[72] GOMURASHVILI, ZAZA, US
[72] SALGADO, CARLOS ENRIQUE ZAMORA, US
[72] TOBIA, DAVID, US
[72] KHAKPOUR, MEHRZAD, US
[72] BERGHEIM, BJARNE, US
[71] SONENDO, INC., US
[85] 2021-11-02
[86] 2020-05-01 (PCT/US2020/031189)
[87] (WO2020/223706)
[30] US (62/842,387) 2019-05-02
[30] US (62/971,620) 2020-02-07

[21] **3,138,997**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CHRONIC OBSTRUCTIVE PULMONARY DISEASE IN AN ENHANCED PATIENT POPULATION USING BENRALIZUMAB**
[54] **PROCEDES DE TRAITEMENT D'UNE MALADIE PULMONAIRE OBSTRUCTIVE CHRONIQUE DANS UNE POPULATION DE PATIENTS A L'AIDE DE BENRALIZUMAB**
[72] MARTIN, UBALDO, US
[72] JISON, MARIA, US
[72] NEWBOLD, PAUL, US
[72] BARKER, PETER, US
[71] ASTRAZENECA AB, SE
[85] 2021-11-02
[86] 2020-05-15 (PCT/IB2020/054618)
[87] (WO2020/230097)
[30] US (62/848,875) 2019-05-16

[21] **3,138,998**
[13] A1
[51] **Int.Cl. B60N 2/015 (2006.01) B60N 2/02 (2006.01) B60N 2/06 (2006.01) B60N 2/07 (2006.01) B60N 2/08 (2006.01)**
[25] EN
[54] **LONG RAIL ASSEMBLY WITH TRIPLE RAIL CONFIGURATION**
[54] **ENSEMBLE RAIL LONG A CONFIGURATION DE RAIL TRIPLE**
[72] ZHAO, KAI, US
[72] DIOUM, CHEIKH, US
[71] MAGNA SEATING INC., CA
[85] 2021-11-02
[86] 2020-05-04 (PCT/US2020/031262)
[87] (WO2020/227186)
[30] US (62/842,687) 2019-05-03

[21] **3,139,000**
[13] A1
[51] **Int.Cl. A61K 31/402 (2006.01) A61K 31/519 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **COMBINATION TREATMENT OF ARTHRITIC DISEASE**
[54] **TRAITEMENT COMBINE D'UNE MALADIE ARTHRITIQUE**
[72] JONASSEN, THOMAS ENGELBRECHT NORDKILD, DK
[71] SYNACT PHARMA APS, DK
[85] 2021-11-03
[86] 2020-05-07 (PCT/EP2020/062711)
[87] (WO2020/229297)
[30] EP (19173734.5) 2019-05-10

[21] **3,139,001**
[13] A1
[51] **Int.Cl. A61K 38/28 (2006.01) A61K 47/02 (2006.01)**
[25] EN
[54] **INSULIN PREMIX FORMULATION AND PRODUCT, METHODS OF PREPARING SAME, AND METHODS OF USING SAME**
[54] **FORMULATION ET PRODUIT DE PREMELANGE D'INSULINE, METHODES DE PREPARATION DE CEUX-CI, ET METHODES D'UTILISATION DE CEUX-CI**
[72] WONG, JOSEPH CHUNG TAK, US
[72] LEE, SARAH ELIZABETH, US
[71] BAXTER INTERNATIONAL, INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2021-11-02
[86] 2020-05-04 (PCT/US2020/031322)
[87] (WO2020/227214)
[30] US (62/843,881) 2019-05-06
[30] US (62/862,573) 2019-06-17

[21] **3,139,002**
[13] A1
[51] **Int.Cl. A61C 7/00 (2006.01) A61C 7/08 (2006.01) A61C 9/00 (2006.01)**
[25] EN
[54] **SCANNING DEVICE**
[54] **DISPOSITIF DE BALAYAGE**
[72] YANCEY, CHRISTOPHER, US
[72] KATZMAN, JORDAN, US
[71] SDC U.S. SMILEPAY SPV, US
[85] 2021-11-02
[86] 2020-05-06 (PCT/US2020/031720)
[87] (WO2020/227439)
[30] US (62/844,694) 2019-05-07
[30] US (16/711,173) 2019-12-11

[21] **3,139,003**
[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **DOSAGE REGIMES FOR THE ADMINISTRATION OF A LAG-3/PD-L1 BISPECIFIC ANTIBODY**
[54] **REGIMES POSOLOGIQUES POUR L'ADMINISTRATION D'UN ANTICORPS BISPECIFIQUE DE LAG-3/PD-L1**
[72] MORROW, MICHELLE, GB
[72] GERMASCHEWSKI, FIONA, GB
[72] GLIDDON, DANIEL, GB
[72] LEUNG, KIN-MEI, GB
[72] GRADINARU, CRISTIAN, GB
[72] SHEPHERD, CHRISTOPHER, GB
[72] HOLZ, JOSEFIN-BEATE, DE
[72] KAYITALIRE, LOUIS, GB
[71] F-STAR THERAPEUTICS LIMITED, GB
[85] 2021-11-03
[86] 2020-05-14 (PCT/EP2020/063529)
[87] (WO2020/229626)
[30] GB (1906807.1) 2019-05-14
[30] GB (1914040.9) 2019-09-30
[30] GB (2000318.2) 2020-01-09

[21] **3,139,004**
[13] A1
[51] **Int.Cl. G01N 27/02 (2006.01) E21B 47/005 (2012.01) G01H 3/00 (2006.01) G01H 15/00 (2006.01) G01N 29/036 (2006.01) G01N 33/38 (2006.01)**
[25] EN
[54] **INSTRUMENT FOR DIRECT MEASUREMENT OF AIR CONTENT IN A LIQUID USING A RESONANT ELECTROACOUSTIC TRANSDUCER**
[54] **INSTRUMENT POUR LA MESURE DIRECTE DE LA TENEUR EN AIR DANS UN LIQUIDE A L'AIDE D'UN TRANSDUCTEUR ELECTROACOUSTIQUE A RESONANCE**
[72] MASSA, DONALD P., US
[72] STANCAVISH, DAWN F., US
[72] TREGGER, NATHAN A., US
[72] ROBERTS, MARK F., US
[72] MYERS, DAVID F., US
[72] KLAUS, STEPHEN P., US
[71] GCP APPLIED TECHNOLOGIES INC., US
[71] MASSA PRODUCTS CORPORATION, US
[85] 2021-11-02
[86] 2020-05-07 (PCT/US2020/031793)
[87] (WO2020/231728)
[30] US (62/846,326) 2019-05-10

[21] **3,139,005**
[13] A1
[51] **Int.Cl. A61K 47/69 (2017.01) A61K 47/64 (2017.01) C07K 14/705 (2006.01) C12N 15/11 (2006.01) C12N 15/88 (2006.01)**
[25] EN
[54] **EXOSOME COMPRISING STABILIZED RNA THERAPEUTICS**
[54] **EXOSOMES COMPRENANT DES AGENTS THERAPEUTIQUES A BASE D'ARN STABILISES**
[72] CASTILLA LLORENTE, VIRGINIA, GB
[72] LIANG, XIUMING, SE
[72] ZICKLER, ANTJE, SE
[72] DE LUCA, MARIACRISTINA, GB
[72] ERRICHELLI, LORENZO, GB
[72] SMITH, CHRISTOPHER, GB
[72] TSALIC, RAN, GB
[71] EVOX THERAPEUTICS LTD, GB
[85] 2021-11-03
[86] 2020-05-07 (PCT/EP2020/062791)
[87] (WO2020/225392)
[30] GB (1906482.3) 2019-05-08

[21] **3,139,007**
[13] A1
[51] **Int.Cl. G06T 7/40 (2017.01)**
[25] EN
[54] **COMPUTER IMPLEMENTED METHOD FOR SEGMENTING A BINARIZED DOCUMENT**
[54] **PROCEDE MIS EN □UVRE PAR ORDINATEUR POUR SEGMENTER UN DOCUMENT BINARISE**
[72] LU, TAN, CN
[72] DOOMS, ANN, BE
[71] VRIJE UNIVERSITEIT BRUSSEL, BE
[85] 2021-11-03
[86] 2020-05-08 (PCT/EP2020/062909)
[87] (WO2020/225430)
[30] EP (19173367.4) 2019-05-08

[21] **3,139,008**
[13] A1
[51] **Int.Cl. F03D 1/06 (2006.01) F03D 13/30 (2016.01) F03D 7/02 (2006.01)**
[25] EN
[54] **METHOD FOR DESIGNING AND OPERATING A WIND POWER PLANT, WIND POWER PLANT, AND WIND FARM**
[54] **PROCEDE POUR DEPOSER ET POUR FAIRE FONCTIONNER UNE EOLIENNE, EOLIENNE ET PARC EOLIEN**
[72] MESSING, RALF, DE
[72] KIMILLI, MUSTAFA ONUR, DE
[72] BOTT, STEFANIE, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2021-11-03
[86] 2020-05-15 (PCT/EP2020/063692)
[87] (WO2020/234182)
[30] DE (10 2019 113 044.1) 2019-05-17

[21] **3,139,009**
[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 31/635 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **BCL-2 INHIBITORS FOR USE IN THE TREATMENT OF A BCL-2 MEDIATED CANCER CARRYING THE GLY101VAL MUTATION**
[54] **INHIBITEURS DE BCL-2 DESTINES A ETRE UTILISES DANS LE TRAITEMENT D'UN CANCER MEDIE PAR BCL-2 PORTANT LA MUTATION GLY101VAL**
[72] MURRAY, JAMES, GB
[72] COLLAND, FREDERIC, FR
[72] CLAPERON, AUDREY, FR
[71] LES LABORATOIRES SERVIER, FR
[71] NOVARTIS AG, CH
[85] 2021-11-03
[86] 2020-05-11 (PCT/EP2020/063089)
[87] (WO2020/229429)
[30] US (62/847,477) 2019-05-14
[30] EP (19178908.0) 2019-06-07
[30] US (62/971,297) 2020-02-07

[21] **3,139,011**
[13] A1
[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61K 35/28 (2015.01) A61K 39/00 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 14/705 (2006.01) C07K 14/71 (2006.01) C07K 14/715 (2006.01) C07K 14/725 (2006.01) C07K 19/00 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **ENGINEERED T CELLS**
[54] **LYMPHOCYTES T GENETIQUEMENT MODIFIES**
[72] MANN, JASDEEP, US
[72] ELLINGER, CHRISTIAN, DE
[72] SOMMERMEYER, DANIEL, DE
[72] BOYERINAS, BENJAMIN, US
[71] MEDIGENE IMMUNOTHERAPIES GMBH, DE
[71] 2SEVENTY BIO, INC., US
[85] 2021-11-02
[86] 2020-05-07 (PCT/US2020/031796)
[87] (WO2020/227483)
[30] US (62/845,311) 2019-05-08

[21] **3,139,012**
[13] A1
[51] **Int.Cl. E21B 23/04 (2006.01) E21B 23/06 (2006.01)**
[25] EN
[54] **A SINGLE USE SETTING TOOL FOR ACTUATING A TOOL IN A WELLBORE**
[54] **OUTIL DE REGLAGE A USAGE UNIQUE POUR ACTIONNER UN OUTIL DANS UN PUITS DE FORAGE**
[72] EITSCHBERGER, CHRISTIAN, DE
[72] LOEHKEN, JOERN OLAF, DE
[72] WILL, DENIS, DE
[72] STAATS, ROBERT, US
[71] DYNAENERGETICS EUROPE GMBH, DE
[85] 2021-11-03
[86] 2020-05-12 (PCT/EP2020/063214)
[87] (WO2020/244895)
[30] US (62/847,488) 2019-05-14
[30] US (62/862,867) 2019-06-18
[30] US (62/908,747) 2019-10-01
[30] US (16/858,041) 2020-04-24

[21] **3,139,014**
[13] A1
[51] **Int.Cl. B29C 45/36 (2006.01)**
[25] EN
[54] **INJECTION MOULD WITH CENTRING DEVICE**
[54] **OUTIL DE MOULAGE PAR INJECTION COMPRENANT UN DISPOSITIF DE CENTRAGE**
[72] MUHLEMANN, ROLF, CH
[71] FOSTAG FORMENBAU AG, CH
[85] 2021-11-03
[86] 2020-05-13 (PCT/EP2020/063255)
[87] (WO2020/234065)
[30] CH (00662/19) 2019-05-22
[30] CH (00257/20) 2020-03-04

[21] **3,139,016**
[13] A1
[51] **Int.Cl. C04B 7/24 (2006.01) C04B 7/38 (2006.01) C04B 7/42 (2006.01) C04B 7/52 (2006.01)**
[25] EN
[54] **IMPROVED PROCESS AND DEVICE FOR CARBONATING CONCRETE WASTE AND/OR SEQUESTERING CO2**
[54] **PROCEDE ET DISPOSITIF AMELIORES DE CARBONATATION DE DECHETS DE BETON ET/OU DE SEQUESTRATION DE CO2**
[72] SKOCEK, JAN, DE
[72] ZAJAC, MACIEJ, DE
[72] BEN HAHA, MOHSEN, DE
[72] FEDERHEN, STEFAN, DE
[72] MAJCHROWICZ, MAREK, PL
[71] HEIDELBERGCEMENT AG, DE
[85] 2021-11-03
[86] 2020-05-25 (PCT/EP2020/064427)
[87] (WO2020/239683)
[30] EP (19177076.7) 2019-05-28

[21] **3,139,017**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD OF FACILITATING DATA COMMUNICATION BETWEEN AN INTERNET OF THINGS DEVICE AND A CLOUD-BASED COMPUTER SYSTEM**
[54] **SYSTEME ET PROCEDE POUR FACILITER UNE COMMUNICATION DE DONNEES ENTRE UN DISPOSITIF DE L'INTERNET DES OBJETS ET UN SYSTEME INFORMATIQUE EN NUAGE**
[72] PLUSS, MARCEL, CH
[72] WURTH, MICHAEL, CH
[71] LEGIC IDENTSYSTEMS AG, CH
[85] 2021-11-03
[86] 2020-05-25 (PCT/EP2020/064455)
[87] (WO2020/239701)
[30] CH (00699/19) 2019-05-29

[21] **3,139,018**
[13] A1
[51] **Int.Cl. A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/5355 (2006.01) A61K 31/5377 (2006.01) A61P 11/00 (2006.01) A61P 11/14 (2006.01) C07D 239/94 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01) C07D 413/04 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **AMINO QUINAZOLINE DERIVATIVES AS P2X3 INHIBITORS**
[54] **DERIVES D'AMINO QUINAZOLINE SERVANT D'INHIBITEURS DE P2X3**
[72] BRUNO, PAOLO, IT
[72] BIAGETTI, MATTEO, IT
[72] FIORELLI, CLAUDIO, IT
[72] PIZZIRANI, DANIELA, IT
[72] PALA, DANIELE, IT
[72] RONCHI, PAOLO, IT
[72] BAKER-GLENN, CHARLES, IT
[72] VAN DE POEL, HERVE, IT
[72] HIRST, KIM LOUISE, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2021-11-03
[86] 2020-05-28 (PCT/EP2020/064913)
[87] (WO2020/239951)
[30] EP (19177604.6) 2019-05-31
[30] EP (19201168.2) 2019-10-02

[21] **3,139,019**
[13] A1
[51] **Int.Cl. A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/5355 (2006.01) A61K 31/5377 (2006.01) A61P 11/00 (2006.01) A61P 11/14 (2006.01) C07D 239/94 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01) C07D 413/04 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **AMINO QUINAZOLINE DERIVATIVES AS P2X3 INHIBITORS**
[54] **DERIVES D'AMINO QUINAZOLINE SERVANT D'INHIBITEURS DE P2X3**
[72] BRUNO, PAOLO, IT
[72] BIAGETTI, MATTEO, IT
[72] FIORELLI, CLAUDIO, IT
[72] PIZZIRANI, DANIELA, IT
[72] PALA, DANIELE, IT
[72] RONCHI, PAOLO, IT
[72] BAKER-GLENN, CHARLES, IT
[72] VAN DE POEL, HERVE, IT
[72] HIRST, KIM LOUISE, IT
[72] GUARIENTO, SARA, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2021-11-03
[86] 2020-05-28 (PCT/EP2020/064914)
[87] (WO2020/239952)
[30] EP (19177604.6) 2019-05-31
[30] EP (19201168.2) 2019-10-02

[21] **3,139,020**
[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/444 (2006.01) A61P 7/02 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL TABLET COMPOSITION COMPRISING EDOXABAN**
[54] **COMPOSITION DE COMPRIME PHARMACEUTIQUE COMPRENANT DE L'EDOXABAN**
[72] RALLABANDI, BALA RAMESHA CHARY, IN
[72] JOSHI, ABHAY RAMAKANT, IN
[72] CHAMARTHI, PHANIKISHORE RAVI, IN
[72] BANDLA, SRIMANNARAYANA, IN
[72] PATTIPATI, SRIKANTH, IN
[72] REDDY, SIVA REDDY MARAM, IN
[72] STAVER, RUSLAN, DE
[72] SCHLEHAHN, HENDRIK, DE
[71] ALFRED E. TIEFENBACHER (GMBH & CO. KG), DE
[85] 2021-11-03
[86] 2020-05-29 (PCT/EP2020/064994)
[87] (WO2020/239986)
[30] IN (201911021277) 2019-05-29
[30] EP (19185637.6) 2019-07-11

[21] **3,139,021**
[13] A1
[51] **Int.Cl. A61L 2/20 (2006.01) A61L 2/28 (2006.01) B01J 37/02 (2006.01) G01N 31/22 (2006.01)**
[25] EN
[54] **CHEMICAL HYDROGEN PEROXIDE INDICATOR**
[54] **INDICATEUR CHIMIQUE DE PEROXYDE D'HYDROGENE**
[72] XIA, WENSHENG, US
[72] BOMMARITO, G. MARCO, US
[72] JING, NAIYONG, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2021-10-26
[86] 2020-04-21 (PCT/IB2020/053776)
[87] (WO2020/217175)
[30] US (62/839,439) 2019-04-26

[21] **3,139,027**
[13] A1
[51] **Int.Cl. C07K 16/12 (2006.01) C07K 14/315 (2006.01) C07K 16/00 (2006.01) G01N 33/569 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **METHOD AND KIT FOR TESTING POTENCY OF IMMUNOGLOBULIN COMPOSITIONS**
[54] **PROCEDE ET KIT DESTINE AU TEST DE L'ACTIVITE THERAPEUTIQUE DE COMPOSITIONS D'IMMUNOGLOBULINES**
[72] HEIM, KATHARINA, DE
[72] GUTSCHER, MARCUS, DE
[71] BIOTEST AG, DE
[85] 2021-11-03
[86] 2020-06-05 (PCT/EP2020/065568)
[87] (WO2020/245327)
[30] EP (19178939.5) 2019-06-07

[21] **3,139,029**
[13] A1
[51] **Int.Cl. H04W 12/00 (2021.01) H04W 12/02 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USING DNS MESSAGES TO SELECTIVELY COLLECT COMPUTER FORENSIC DATA**
[54] **SYSTEMES ET PROCEDES D'UTILISATION DE MESSAGES DNS POUR COLLECTER SELECTIVEMENT DES DONNEES MEDICO-LEGALES INFORMATIQUES**
[72] MIRCESCU, DANIEL-ALEXANDRU, RO
[71] BITDEFENDER IPR MANAGEMENT LTD, CY
[85] 2021-11-03
[86] 2020-07-02 (PCT/EP2020/068644)
[87] (WO2020/229707)
[30] US (16/405,140) 2019-05-07

[21] **3,139,030**
[13] A1
[51] **Int.Cl. C02F 1/64 (2006.01) C02F 3/10 (2006.01) C02F 3/34 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REMOVING IRON FROM HUMUS-RICH WATER**
[54] **PROCEDE ET APPAREIL POUR ELIMINER LE FER D'UNE EAU RICHE EN HUMUS**
[72] PAAKKONEN, JORMA, FI
[72] TOLONEN, TIMO, FI
[71] ALLWATEC OY, FI
[85] 2021-11-03
[86] 2020-05-05 (PCT/FI2020/050301)
[87] (WO2020/229727)
[30] FI (20195391) 2019-05-10

[21] **3,139,035**
[13] A1
[51] **Int.Cl. A61K 31/337 (2006.01) A61K 38/00 (2006.01) A61K 39/00 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CANCER**
[54] **METHODES DE TRAITEMENT DU CANCER**
[72] BENNETT, GAVIN, GB
[72] LANGFORD, GILLIAN, GB
[72] PARK, PETER, GB
[72] LAHDENRANTA, JOHANNA, GB
[71] BICYCLERD LIMITED, GB
[85] 2021-11-03
[86] 2020-05-11 (PCT/GB2020/051140)
[87] (WO2020/229803)
[30] US (62/846,064) 2019-05-10

[21] **3,139,036**
[13] A1
[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/34 (2006.01) A61K 8/73 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING SORBITOL OR XYLITOL, AND A GELLING AGENT**
[54] **COMPOSITION COMPRENANT DU SORBITOL OU DU XYLITOL, ET UN AGENT GELIFIANT**
[72] CONSTANTINE, MARK, GB
[72] CONSTANTINE, MARGARET JOAN, GB
[72] AMBROSEN, HELEN ELIZABETH, GB
[72] BIRD, ROWENA JACQUELINE, GB
[72] COMMISSO, ALESSANDRO, GB
[72] SHEARS, GARY, GB
[71] COSMETIC WARRIORS LIMITED, GB
[85] 2021-11-03
[86] 2020-05-22 (PCT/GB2020/051254)
[87] (WO2020/234609)
[30] GB (1907225.5) 2019-05-22

[21] **3,139,037**
[13] A1
[51] **Int.Cl. B29C 65/56 (2006.01) E04H 12/08 (2006.01) F16S 3/00 (2006.01)**
[25] EN
[54] **MODULAR TUBE AND METHOD OF MANUFACTURING**
[54] **TUBE MODULAIRE ET PROCEDE DE FABRICATION**
[72] CHAMBERS, DAVID, GB
[72] GRAY, DOUGLAS, GB
[71] BALFOUR BEATTY PLC, GB
[71] INNOVATION TO INDUSTRY LIMITED, GB
[85] 2021-11-03
[86] 2020-06-11 (PCT/GB2020/051413)
[87] (WO2020/249955)
[30] GB (1908542.2) 2019-06-14

[21] **3,139,060**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF OCULAR DISEASES**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE MALADIES OCULAIRES**
[72] MANN, BRENDA K., US
[72] LEE, HEE-KYOUNG, US
[71] EYEGATE PHARMACEUTICALS, INC., US
[85] 2021-11-03
[86] 2020-04-30 (PCT/US2020/030691)
[87] (WO2020/227002)
[30] US (62/842,995) 2019-05-03

[21] **3,139,061**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **CD123-BINDING POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES SE LIANT A CD123 ET LEURS UTILISATIONS**
[72] MACEDO, CHELSIE, US
[72] JONES, KYLE, US
[72] CRAGO, WILLIAM, US
[72] HOLLANDS, ANDREW, US
[72] MA, MILTON, US
[72] TIMMER, JOHN C., US
[72] ECKELMAN, BRENDAN P., US
[71] INHIBRX, INC., US
[85] 2021-11-03
[86] 2020-05-01 (PCT/US2020/030968)
[87] (WO2020/227071)
[30] US (62/843,407) 2019-05-04

[21] **3,139,062**
[13] A1
[51] **Int.Cl. A61K 31/4192 (2006.01) A61K 31/015 (2006.01) A61K 31/16 (2006.01) C07C 13/465 (2006.01) C07D 249/04 (2006.01)**
[25] EN
[54] **KCNT1 INHIBITORS AND METHODS OF USE**
[54] **INHIBITEURS DE KCNT1 ET PROCEDES D'UTILISATION**
[72] MARTINEZ BOTELLA, GABRIEL, US
[72] GRIFFIN, ANDREW MARK, CA
[72] CHARIFSON, PAUL S., US
[72] REDDY, KIRAN, US
[72] KAHLIG, MICHAEL KRISTOPHER MATHIEU, US
[72] MARRON, BRIAN EDWARD, US
[71] PRAXIS PRECISION MEDICINES, INC., US
[85] 2021-11-03
[86] 2020-05-01 (PCT/US2020/031039)
[87] (WO2020/227097)
[30] US (62/842,855) 2019-05-03
[30] US (62/842,858) 2019-05-03
[30] US (62/842,861) 2019-05-03
[30] US (62/982,858) 2020-02-28

[21] **3,139,063**
[13] A1
[51] **Int.Cl. A61K 31/4245 (2006.01) A61K 31/16 (2006.01) A61K 31/415 (2006.01) C07D 213/56 (2006.01) C07D 231/02 (2006.01) C07D 271/06 (2006.01)**
[25] EN
[54] **KCNT1 INHIBITORS AND METHODS OF USE**
[54] **INHIBITEURS DE KCNT1 ET PROCEDES D'UTILISATION**
[72] MARTINEZ BOTELLA, GABRIEL, US
[72] GRIFFIN, ANDREW MARK, CA
[72] CHARIFSON, PAUL S., US
[72] REDDY, KIRAN, US
[72] KAHLIG, MICHAEL KRISTOPHER MATHIEU, US
[72] MARRON, BRIAN EDWARD, US
[71] PRAXIS PRECISION MEDICINES, INC., US
[85] 2021-11-03
[86] 2020-05-01 (PCT/US2020/031046)
[87] (WO2020/227101)
[30] US (62/842,849) 2019-05-03
[30] US (62/982,864) 2020-02-28

[21] **3,139,064**
[13] A1
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/315 (2006.01) A61M 5/178 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **SYRINGE WITH PRIMING MECHANISM**
[54] **SERINGUE A MECANISME D'AMORCAGE**
[72] ODA, TODD, US
[72] MANSOUR, GEORGE, US
[72] MASON, EUGENE, US
[71] CAREFUSION 303, INC., US
[85] 2021-11-03
[86] 2020-05-01 (PCT/US2020/031051)
[87] (WO2020/227104)
[30] US (16/403,406) 2019-05-03

[21] **3,139,065**
[13] A1
[51] **Int.Cl. G05B 15/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING MONITORING, OPTIMIZATION, AND CONTROL OF POOL/SPA EQUIPMENT USING VIDEO ANALYTICS**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE D'UNE SURVEILLANCE, D'UNE OPTIMISATION ET D'UNE COMMANDE D'EQUIPEMENT DE PISCINE/SPA A L'AIDE D'UNE ANALYSE VIDEO**
[72] CARTER, JAMES, US
[72] FOURNIER, GREGORY, US
[72] DAVILA, JASON, US
[72] JOHNSON, ARTHUR W., III, US
[72] PEREIRA, LOUIS, US
[72] RENKEN, TROY, US
[72] JAYANTH, NAGARAJ B., US
[72] POTUCEK, KEVIN L., US
[71] HAYWARD INDUSTRIES, INC., US
[85] 2021-11-03
[86] 2020-05-01 (PCT/US2020/031075)
[87] (WO2020/227114)
[30] US (62/842,939) 2019-05-03

[21] **3,139,066**
[13] A1
[51] **Int.Cl. G06T 7/246 (2017.01) G06N 3/02 (2006.01) G06T 7/20 (2017.01)**
[25] EN
[54] **OBJECT TRACKING AND REDACTION**
[54] **POURSUITE ET MASQUAGE D'OBJETS**
[72] STEELBERG, CHAD, US
[72] BLACKBURN, LAUREN, US
[71] STEELBERG, CHAD, US
[71] BLACKBURN, LAUREN, US
[85] 2021-11-03
[86] 2020-05-01 (PCT/US2020/031200)
[87] (WO2020/227163)
[30] US (62/843,256) 2019-05-03

[21] **3,139,067**
[13] A1
[51] **Int.Cl. A61B 17/08 (2006.01)**
[25] EN
[54] **RECAPTURABLE LEFT ATRIAL APPENDAGE CLIPPING DEVICE AND METHODS FOR RECAPTURING A LEFT ATRIAL APPENDAGE CLIP**
[54] **DISPOSITIF D'ATTACHE D'APPENDICE AURICULAIRE GAUCHE (LAA) RECUPERABLE ET PROCEDES DE RECUPERATION D'UNE ATTACHE D'APPENDICE AURICULAIRE GAUCHE**
[72] DEVILLE, DEREK DEE, US
[72] PALMER, MATTHEW A., US
[72] CARTLEDGE, RICHARD, US
[72] BALES JR., THOMAS O., US
[72] MCBRAYER, M. SEAN, US
[72] BALES, WILLIAM T., US
[72] KIRK, MICHAEL WALTER, US
[72] RAGHEB, WILLIAM, US
[72] PETERSEN, ERIC, US
[72] RIVERA, CARLOS, US
[72] TURTURRO, VINCENT, US
[71] SYNTHEON 2.0, LLC, US
[85] 2021-11-03
[86] 2020-05-03 (PCT/US2020/031228)
[87] (WO2020/227174)
[30] US (62/843,069) 2019-05-03
[30] US (16/865,010) 2020-05-01

[21] **3,139,068**
[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G06T 7/70 (2017.01) G06F 3/00 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR QUANTIFYING AUGMENTED REALITY INTERACTION**
[54] **SYSTEME ET PROCEDE PERMETTANT DE QUANTIFIER UNE INTERACTION DE REALITE AUGMENTEE**
[72] BUSCHE, CHAD, US
[72] IRIS, MARK, US
[72] THOMPSON, STUART, US
[72] DWYER, BILL, US
[72] ATHMANATHAN, BHASKAR, US
[71] CVENT, INC., US
[85] 2021-11-03
[86] 2020-05-04 (PCT/US2020/031299)
[87] (WO2020/227203)
[30] US (62/842,828) 2019-05-03
[30] US (16/725,438) 2019-12-23

[21] **3,139,069**
[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/52 (2006.01)**
[25] EN
[54] **SMART BEVERAGE PREPARATION MACHINE AND METHOD**
[54] **MACHINE ET PROCEDE DE PREPARATION INTELLIGENTE DE BOISSON**
[72] HYMAN, DAVID, US
[72] KNOWLES, DAVID, GB
[72] KLAENER, DINA, US
[72] WILLIAMSON, BRUCE, US
[71] LAVAZZA PROFESSIONAL NORTH AMERICA LLC, US
[85] 2021-11-03
[86] 2020-05-04 (PCT/US2020/031312)
[87] (WO2020/227207)
[30] US (62/842,747) 2019-05-03

[21] **3,139,070**
[13] A1
[51] **Int.Cl. B60P 1/43 (2006.01) B60P 1/00 (2006.01) B60R 5/04 (2006.01) B65G 69/22 (2006.01) B65G 69/24 (2006.01) B65G 69/26 (2006.01) B65G 69/28 (2006.01)**
[25] EN
[54] **SYSTEM HAVING AUTOMATED LIFT ASSEMBLY AND PROCESS FOR LOADING AND UNLOADING CARGO FROM DELIVERY VEHICLE**
[54] **SYSTEME AYANT UN ENSEMBLE DE LEVAGE AUTOMATISE ET PROCEDE POUR CHARGER ET DECHARGER UNE CARGAISON A PARTIR D'UN VEHICULE DE LIVRAISON**
[72] EIDSMORE, PAUL G., US
[71] EIDSMORE, PAUL G., US
[85] 2021-11-03
[86] 2020-05-04 (PCT/US2020/031323)
[87] (WO2020/227215)
[30] US (62/842,899) 2019-05-03

[21] **3,139,071**
[13] A1
[51] **Int.Cl. A24F 40/80 (2020.01) A24F 40/10 (2020.01) G01N 1/24 (2006.01)**
[25] EN
[54] **ADAPTOR FOR USE WITH NON-CYLINDRICAL VAPOR PRODUCTS**
[54] **ADAPTATEUR DESTINE A ETRE UTILISE AVEC DES PRODUITS DE VAPEUR NON CYLINDRIQUES**
[72] SMITH, JEFFREY SEAN, US
[72] UNDERLY, ROBERT, US
[72] SHORT, JASON M., US
[72] MCMAHAN, CASSIDY, US
[72] CHANG, YI-PING, US
[72] BROWN, BRADLEY, US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2021-11-03
[86] 2020-05-04 (PCT/US2020/031329)
[87] (WO2020/227219)
[30] US (16/408,336) 2019-05-09
[30] US (16/827,445) 2020-03-23

[21] **3,139,072**
[13] A1
[51] **Int.Cl. C12N 5/077 (2010.01)**
[25] EN
[54] **CARDIOMYOCYTE COMPOSITIONS AND USE THEREOF**
[54] **COMPOSITIONS DE CARDIOMYOCYTES ET LEUR UTILISATION**
[72] KELLER, GORDON M., CA
[72] FUNAKOSHI, SHUNSUKE, CA
[72] FERNANDES, IAN, CA
[72] YANG, DONGHE, CA
[72] WILKINSON JR., DAN CHARLES, US
[71] UNIVERSITY HEALTH NETWORK, CA
[71] BLUEROCK THERAPEUTICS LP, US
[85] 2021-11-03
[86] 2020-05-04 (PCT/US2020/031356)
[87] (WO2020/227232)
[30] US (62/843,118) 2019-05-03

[21] **3,139,073**
[13] A1
[51] **Int.Cl. C11D 3/22 (2006.01) C11D 3/37 (2006.01) C11D 3/50 (2006.01) C11D 17/00 (2006.01) C11D 17/04 (2006.01) C11D 17/06 (2006.01)**
[25] EN
[54] **SOLID FABRIC CARE COMPOSITIONS AND METHODS FOR THE SAME**
[54] **COMPOSITIONS DE SOIN DE TISSU SOLIDES ET LEURS PROCEDES**
[72] JHA, BRAJESH, US
[72] MOHAMMED, EVELYN, US
[72] MUI, VIVIAN, US
[72] MALDONADO, RAUL ARELLANO, MX
[72] BARAI, MAYUR, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2021-11-03
[86] 2019-05-06 (PCT/US2019/030812)
[87] (WO2020/226614)

[21] **3,139,074**
[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THREE-DIMENSIONAL DATA ACQUISITION AND PROCESSING UNDER TIMING CONSTRAINTS**
[54] **SYSTEMES ET PROCEDES D'ACQUISITION ET DE TRAITEMENT DE DONNEES TRIDIMENSIONNELLES AVEC DES CONTRAINTES DE SYNCHRONISATION**
[72] DAL MUTTO, CARLO, US
[72] PERUCH, FRANCESCO, US
[71] AQUIFI, INC., US
[85] 2021-11-03
[86] 2019-05-06 (PCT/US2019/030951)
[87] (WO2019/213666)
[30] US (62/666,942) 2018-05-04

[21] **3,139,075**
[13] A1
[51] **Int.Cl. B02C 4/02 (2006.01) B02C 4/32 (2006.01)**
[25] EN
[54] **CRUSHING DEVICE**
[54] **DISPOSITIF DE BROYAGE**
[72] REZNITCHENKO, VADIM, US
[72] HARBOLD, KEITH, US
[71] METSO OUTOTEC USA INC., US
[85] 2021-11-03
[86] 2019-05-09 (PCT/US2019/031502)
[87] (WO2020/226652)

[21] **3,139,076**
[13] A1
[51] **Int.Cl. C12N 1/12 (2006.01) A01G 7/02 (2006.01) A01G 7/04 (2006.01) A01G 9/20 (2006.01) C12M 1/00 (2006.01) C12M 1/42 (2006.01)**
[25] EN
[54] **METHOD FOR GROWING AQUATIC ORGANISMS CAPABLE OF PHOTOSYNTHESIS IN A CONTROLLED AQUEOUS ENVIRONMENT**
[54] **PROCEDE DE CULTURE D'ORGANISMES AQUATIQUES CAPABLES DE PHOTOSYNTHESE DANS UN ENVIRONNEMENT AQUEUX CONTROLE**
[72] JAGER, FILIPS GUSTAAF HENDRIK, NL
[72] HULSHOFF, HENDRIK JAN, NL
[72] VAN VELZEN, DICK, NL
[72] STEL, JARNO, NL
[71] O&N B.V., NL
[85] 2021-11-03
[86] 2020-05-08 (PCT/NL2020/050296)
[87] (WO2020/226500)
[30] EP (19173537.2) 2019-05-09

[21] **3,139,077**
[13] A1
[51] **Int.Cl. B02C 4/02 (2006.01) B02C 4/32 (2006.01)**
[25] EN
[54] **CRUSHING DEVICE**
[54] **DISPOSITIF DE BROYAGE**
[72] REZNITCHENKO, VADIM, US
[72] HARBOLD, KEITH, US
[71] METSO OUTOTEC USA INC., US
[85] 2021-11-03
[86] 2019-05-09 (PCT/US2019/031510)
[87] (WO2020/226653)

[21] **3,139,078**
[13] A1
[51] **Int.Cl. G01V 1/30 (2006.01) G01V 1/28 (2006.01)**
[25] EN
[54] **METHOD OF ANALYSING SEISMIC DATA**
[54] **PROCEDE D'ANALYSE DE DONNEES SISMIQUES**
[72] SKJAVELAND, OYVIND, NO
[71] EQUINOR ENERGY AS, NO
[85] 2021-11-03
[86] 2020-04-29 (PCT/NO2020/050110)
[87] (WO2020/226506)
[30] GB (1906256.1) 2019-05-03

[21] **3,139,079**
[13] A1
[51] **Int.Cl. F28D 19/04 (2006.01) F28F 9/00 (2006.01) F28F 9/007 (2006.01)**
[25] EN
[54] **LOW PROFILE SUPPORT STRUCTURE FOR A ROTARY REGENERATIVE HEAT EXCHANGER**
[54] **STRUCTURE DE SUPPORT A PROFIL BAS POUR UN ECHANGEUR DE CHALEUR A REGENERATION ROTATIF**
[72] STARK, WILLIAM J. JR., US
[72] SOROCHIN, ADAM C., US
[71] ARVOS LJUNGSTROM LLC, US
[85] 2021-11-03
[86] 2019-05-10 (PCT/US2019/031701)
[87] (WO2020/231381)

[21] **3,139,080**
[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/32 (2006.01) A61B 17/56 (2006.01) A61F 2/30 (2006.01)**
[25] EN
[54] **GEARED INSTRUMENT FOR MINIMALLY INVASIVE SURGERY**
[54] **INSTRUMENT A ENGRENAGE DE CHIRURGIE MINI-INVASIVE**
[72] MULLER, ERIN, US
[72] WOODARD, JOSEPH RYAN, US
[72] STROHKIRCH, TERRANCE W., US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2021-11-03
[86] 2020-03-20 (PCT/US2020/023775)
[87] (WO2020/242561)
[30] US (62/854,073) 2019-05-29

[21] **3,139,081**
[13] A1
[51] **Int.Cl. G06F 16/738 (2019.01) G06Q 50/10 (2012.01) G06Q 50/26 (2012.01) G06F 16/953 (2019.01) G06F 40/10 (2020.01) G06F 40/20 (2020.01) G06F 40/295 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EVENT SUMMARIZATION FROM DATA**
[54] **SYSTEMES ET PROCEDES DE RECAPITULATION D'EVENEMENTS A PARTIR DE DONNEES**
[72] EKMEKCI, BERK, US
[72] HAGERMAN, ELEANOR, US
[72] HOWALD, BLAKE, US
[71] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
[85] 2021-11-03
[86] 2020-04-28 (PCT/IB2020/054007)
[87] (WO2020/234673)
[30] US (62/849,182) 2019-05-17
[30] US (16/700,746) 2019-12-02
[30] US (16/848,739) 2020-04-14

[21] **3,139,082**
[13] A1
[51] **Int.Cl. H01M 10/04 (2006.01) H01M 4/00 (2006.01) H01M 10/26 (2006.01)**
[25] EN
[54] **NOVEL PHARMACEUTICAL COMPOSITIONS AND METHODS FOR TREATING MENTAL, BEHAVIORAL, COGNITIVE DISORDERS**
[54] **NOUVELLES COMPOSITIONS PHARMACEUTIQUES ET METHODES DE TRAITEMENT DE TROUBLES MENTAUX, COMPORTEMENTAUX ET COGNITIFS**
[72] WANG, JIANMIN, US
[72] CUI, GEPING, US
[71] LA PHARMATECH INC., US
[85] 2021-11-03
[86] 2019-05-21 (PCT/US2019/033359)
[87] (WO2020/236159)

[21] **3,139,083**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 30/12 (2020.01) G06F 3/048 (2013.01) G06F 3/14 (2006.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ROLE-BASED COLLABORATIVE DESIGN OF CUSTOM PRODUCTS BASED ON MANUFACTURING CONSTRAINTS**
[54] **SYSTEME ET PROCEDE DE CONCEPTION COLLABORATIVE A BASE DE ROLES DE PRODUITS PERSONNALISES SUR LA BASE DE CONTRAINTES DE FABRICATION**
[72] BEAVER III, ROBERT I., US
[72] BEAVER, JEFFREY J., US
[72] NARVASA, SEAN, US
[72] HARVILL, LESLIE YOUNG, US
[72] IVANOV, PETAR S., US
[72] BOSSIER, PARKER H., US
[72] COLLETTE, CHRISTOPHER, US
[71] ZAZZLE INC., US
[85] 2021-11-03
[86] 2020-05-06 (PCT/US2020/031705)
[87] (WO2020/227428)
[30] US (62/844,249) 2019-05-07

[21] **3,139,084**
[13] A1
[51] **Int.Cl. C05G 3/40 (2020.01) C05G 5/10 (2020.01) C03C 3/066 (2006.01) C05B 17/00 (2006.01) C05D 9/02 (2006.01) C05D 11/00 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **FERTILIZING COMPOSITION COMPRISING A GLASS MATRIX**
[54] **COMPOSITION FERTILISANTE COMPRENANT UNE MATRICE DE VERRE**
[72] BALDI, GIOVANNI, IT
[72] NICCOLAI, LAURA, IT
[72] RESTA, EMILIO, IT
[72] MICCINESI, MARCO, IT
[71] MPD S.R.L., IT
[85] 2021-11-03
[86] 2020-05-08 (PCT/IB2020/054369)
[87] (WO2020/225784)
[30] IT (102019000006663) 2019-05-09

[21] **3,139,085**
[13] A1
[51] **Int.Cl. G06F 40/103 (2020.01) G06F 40/232 (2020.01)**
[25] EN
[54] **REPRESENTATIVE DOCUMENT HIERARCHY GENERATION**
[54] **GENERATION DE HIERARCHIE DE DOCUMENTS REPRESENTATIVE**
[72] AMMAR, KHALED, CA
[72] ZUBERT, BRIAN, CA
[72] KHAN, SAKIF HOSSAIN, CA
[71] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
[85] 2021-11-03
[86] 2020-05-18 (PCT/IB2020/054695)
[87] (WO2020/234749)
[30] US (62/849,181) 2019-05-17

[21] **3,139,086**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODIES AGAINST CHI3L1 AND PD1 WITH ENHANCED T CELL-MEDIATED CYTOTOXIC EFFECTS ON TUMOR CELLS**
[54] **ANTICORPS BISPECIFIQUES CONTRE CHI3L1 ET PD1 AVEC DES EFFETS CYTOTOXIQUES A MEDIATION PAR DES LYMPHOCYTES T AMELIORES SUR DES CELLULES TUMORALES**
[72] ELIAS, JACK A., US
[72] LEE, CHUN GEUN, US
[72] KAMLE, SUCHITRA, US
[71] BROWN UNIVERSITY, US
[85] 2021-11-03
[86] 2020-05-06 (PCT/US2020/031710)
[87] (WO2020/227431)
[30] US (62/843,931) 2019-05-06
[30] US (62/876,507) 2019-07-19
[30] US (62/898,324) 2019-09-10

[21] **3,139,087**
[13] A1
[51] **Int.Cl. A61K 35/20 (2006.01) A61K 31/7105 (2006.01) A61K 38/18 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **MILK DERIVED EXTRACELLULAR VESICLES FOR USE IN TREATING INFLAMMATORY BOWEL DISEASE**
[54] **VESICULES EXTRACELLULAIRES DERIVEES DU LAIT DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT D'UNE MALADIE INTESTINALE INFLAMMATOIRE**
[72] REIF, SHIMON, IL
[72] GOLAN-GERSTL, REGINA, IL
[71] HADASIT MEDICAL RESEARCH SERVICES & DEVELOPMENT LTD., IL
[85] 2021-11-03
[86] 2020-05-13 (PCT/IL2020/050518)
[87] (WO2020/230129)
[30] US (62/847,339) 2019-05-14

[21] **3,139,088**
[13] A1
[51] **Int.Cl. A01K 31/18 (2006.01)**
[25] EN
[54] **TRANSFER MACHINE AND USE THEREOF IN A POULTRY HOUSE FOR TRANSFERRING INCUBATED EGGS TO A FLOOR THEREOF**
[54] **MACHINE DE TRANSFERT ET SON UTILISATION DANS UN POULAILLER POUR TRANSFERER DES □UFS INCUBES JUSQU'AU SOL**
[72] VERVAEKE, STEVEN, BE
[71] VERVAEKE-BELAVI, BE
[85] 2021-11-03
[86] 2020-05-20 (PCT/IB2020/054801)
[87] (WO2020/240355)
[30] BE (BE2019/5343) 2019-05-24

[21] **3,139,089**
[13] A1
[51] **Int.Cl. A61M 25/09 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **FLEXIBLE TUBULAR SPRING STRUCTURE, AND SCORING BALLOON CATHETER EQUIPPED THEREWITH**
[54] **STRUCTURE DE RESSORT TUBULAIRE FLEXIBLE, ET CATHETER INCISEUR A BALLONNET EQUIPE DE CETTE DERNIERE**
[72] SHULZE, JOHN E., SG
[71] NU-LIFE CONSULTING PTE LTD, SG
[85] 2021-11-03
[86] 2020-05-07 (PCT/US2020/031743)
[87] (WO2020/227454)
[30] US (62/844,603) 2019-05-07
[30] US (62/848,387) 2019-05-15

[21] **3,139,090**
[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **IOL BASE COMPRESSION DEVICE HAVING AN IOL TOWING MECHANISM**
[54] **DISPOSITIF DE COMPRESSION DE BASE DE LIO AYANT UN MECANISME D'ATTACHE DE LIO**
[72] ZACHER, RUDOLPH F., US
[71] ALCON INC., CH
[85] 2021-11-03
[86] 2020-06-08 (PCT/IB2020/055386)
[87] (WO2020/261008)
[30] US (62/867,349) 2019-06-27

[21] **3,139,091**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
[72] YOSHIOKA, SHOHEI, JP
[72] NAGATA, SATOSHI, JP
[72] WANG, LIHUI, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
[85] 2021-11-03
[86] 2019-05-09 (PCT/JP2019/018598)
[87] (WO2020/225913)

[21] **3,139,092**
[13] A1
[51] **Int.Cl. B60C 1/00 (2006.01) B60C 11/00 (2006.01) B60C 19/00 (2006.01) C08L 13/00 (2006.01)**
[25] EN
[54] **ELECTRICALLY CONDUCTIVE TREAD CHIMNEY COMPOUND**
[54] **COMPOSE POUR CHEMINEE DE BANDE DE ROULEMENT ELECTROCONDUCTEUR**
[72] MIKOLAJCZAK, JACOB A., US
[72] SNIDER, MATTHEW S., US
[71] COOPER TIRE & RUBBER COMPANY, US
[85] 2021-11-03
[86] 2020-05-07 (PCT/US2020/031753)
[87] (WO2020/227459)
[30] US (62/844,168) 2019-05-07

[21] **3,139,093**
[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **IOL INJECTOR PLUNGER HAVING IOL COMPRESSION ARMS**
[54] **PISTON D'INJECTEUR DE LIO AYANT DES BRAS DE COMPRESSION DE LIO**
[72] ZACHER, RUDOLPH F., US
[71] ALCON INC., CH
[85] 2021-11-03
[86] 2020-06-08 (PCT/IB2020/055387)
[87] (WO2020/261009)
[30] US (62/867,350) 2019-06-27

[21] **3,139,094**
[13] A1
[51] **Int.Cl. C08F 4/52 (2006.01) C08F 4/654 (2006.01)**
[25] EN
[54] **ACTIVATED CATALYST COMPONENTS FOR OLEFIN POLYMERIZATION**
[54] **COMPOSANTS DE CATALYSEUR ACTIFS POUR LA POLYMERISATION D'OLEFINE**
[72] MARIN, VLADIMIR, US
[71] W.R. GRACE & CO.-CONN., US
[85] 2021-11-03
[86] 2020-05-07 (PCT/US2020/031756)
[87] (WO2020/231716)
[30] US (62/846,130) 2019-05-10

[21] **3,139,095**
[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01) A61B 5/1455 (2006.01) A61B 5/1459 (2006.01)**
[25] EN
[54] **IMPLANTABLE APPARATUS FOR SENSING BIOLOGIC SIGNALS**
[54] **APPAREIL IMPLANTABLE POUR DETECTER DES SIGNAUX BIOLOGIQUES**
[72] KOWARZ, MAREK, US
[72] ROSERO, SPENCER, US
[71] EFFERENT LABS, INC., US
[85] 2021-11-03
[86] 2020-05-06 (PCT/US2020/031568)
[87] (WO2020/227342)
[30] US (62/844,165) 2019-05-07

[21] **3,139,096**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **CD33 TARGETED IMMUNOTHERAPIES**
[54] **IMMUNOTHERAPIES CIBLEES SUR CD33**
[72] JARJOUR, JORDAN, US
[72] POGSON, MARK, US
[72] LEUNG, WAI-HANG, US
[72] JONES, KYLE, US
[72] CRAGO, WILLIAM, US
[72] SANABRIA, ANGELICA, US
[72] HOLLANDS, ANDREW, US
[72] GANO, JACOB, US
[72] MA, MILTON, US
[72] TIMMER, JOHN C., US
[72] ECKELMAN, BRENDAN P., US
[71] 2SEVENTY BIO, INC., US
[71] INHIBRX, INC., US
[85] 2021-11-03
[86] 2020-05-07 (PCT/US2020/031780)
[87] (WO2020/227474)
[30] US (62/845,304) 2019-05-08
[30] US (62/898,392) 2019-09-10

[21] **3,139,097**
[13] A1
[51] **Int.Cl. A61L 27/08 (2006.01) A61L 27/12 (2006.01) A61L 27/18 (2006.01)**
[25] EN
[54] **ADDITIVE MANUFACTURED PART WITH ENHANCED RIGIDITY AND METHOD OF MANUFACTURING THE SAME**
[54] **PIECE DE FABRICATION ADDITIVE A RIGIDITE RENFORCEE ET SON PROCEDE DE FABRICATION**
[72] CROOKS, JARED, US
[71] A.M. TOOLBOX, LLC, US
[85] 2021-11-03
[86] 2020-05-06 (PCT/US2020/031589)
[87] (WO2020/227357)
[30] US (62/844,142) 2019-05-07
[30] US (62/900,830) 2019-09-16

[21] **3,139,098**
[13] A1
[51] **Int.Cl. C07C 7/135 (2006.01) C07C 19/16 (2006.01) C07C 45/80 (2006.01) C07C 45/82 (2006.01) C07C 49/16 (2006.01)**
[25] EN
[54] **AZEOTROPE OR AZEOTROPE-LIKE COMPOSITIONS OF TRIFLUOROIODOMETHANE (CF3I) AND TRIFLUOROACETYL CHLORIDE (CF3COCI)**
[54] **COMPOSITIONS AZEOTROPIQUES OU DE TYPE AZEOTROPIQUE DE TRIFLUOROIODOMETHANE (CF3I) ET DE CHLORURE DE TRIFLUOROACETYLE (CF3COCI)**
[72] PHAM, HANG T., US
[72] HULSE, RYAN J., US
[72] SINGH, RAJIV RATNA, US
[72] NAIR, HARIDASAN K., US
[71] HONEYWELL INTERNATIONAL INC., US
[85] 2021-11-03
[86] 2020-05-20 (PCT/US2020/033738)
[87] (WO2020/236898)
[30] US (62/850,378) 2019-05-20
[30] US (16/874,319) 2020-05-14

[21] **3,139,099**
[13] A1
[51] **Int.Cl. A61K 38/06 (2006.01) A61K 8/14 (2006.01) A61K 38/07 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR IMPROVING BRUISING AND REJUVENATING SKIN**
[54] **COMPOSITIONS ET PROCEDES POUR TRAITER LES ECCHYMOSES ET RAJEUNIR LA PEAU**
[72] WIDGEROW, ALAN DAVID, US
[72] GARRUTO, JOHN A., US
[71] ALASTIN SKINCARE, INC., US
[85] 2021-11-03
[86] 2020-05-07 (PCT/US2020/031867)
[87] (WO2020/227526)
[30] US (62/845,063) 2019-05-08
[30] US (62/881,783) 2019-08-01
[30] US (62/967,383) 2020-01-29

[21] **3,139,100**
[13] A1
[51] **Int.Cl. A01N 53/00 (2006.01) A01N 25/16 (2006.01) A01N 53/04 (2006.01) A01N 53/06 (2006.01) A01P 7/04 (2006.01)**
[25] EN
[54] **DUAL ACTIVE INSECTICIDAL COMPOSITIONS**
[54] **COMPOSITIONS INSECTICIDES A DOUBLE ACTION**
[72] KNESTING, KRISTINA MARIE, US
[71] S. C. JOHNSON & SON, INC., US
[85] 2021-11-03
[86] 2020-05-20 (PCT/US2020/033776)
[87] (WO2020/256881)
[30] US (16/442,818) 2019-06-17

[21] **3,139,101**
[13] A1
[51] **Int.Cl. A61K 31/53 (2006.01) A61P 1/16 (2006.01) A61P 3/00 (2006.01) A61P 5/14 (2006.01) A61P 9/00 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **MODULATORS OF THR-S AND METHODS OF USE THEREOF**
[54] **MODULATEURS DE THR-S ET LEURS PROCEDES D'UTILISATION**
[72] VANDYCK, KOEN, BE
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE
[72] MCGOWAN, DAVID, BE
[72] DEVAL, JEROME, US
[71] ALIGOS THERAPEUTICS, INC., US
[85] 2021-11-03
[86] 2020-05-07 (PCT/US2020/031904)
[87] (WO2020/227549)
[30] US (62/845,252) 2019-05-08
[30] US (62/944,052) 2019-12-05
[30] US (63/005,661) 2020-04-06

[21] **3,139,102**
[13] A1
[51] **Int.Cl. G06F 3/0487 (2013.01)**
[25] EN
[54] **SCAN LINE REFRESH FOR MODULAR DISPLAY SYSTEMS**
[54] **RAFRAICHISSEMENT DE LIGNE DE BALAYAGE POUR SYSTEMES D'AFFICHAGE MODULAIRES**
[72] KARAFIN, JONATHAN, SEAN, US
[72] BERNINGER, TREVOR, US
[72] BEVENSEE, BRENDAN, ELWOOD, US
[71] LIGHT FIELD LAB, INC., US
[85] 2021-11-03
[86] 2020-05-20 (PCT/US2020/033868)
[87] (WO2020/236977)
[30] US (62/850,375) 2019-05-20

[21] **3,139,103**
[13] A1
[51] **Int.Cl. C07K 1/107 (2006.01) C07K 1/113 (2006.01) C07K 7/56 (2006.01)**
[25] EN
[54] **PEPTIDOMIMETIC AGENTS, SYNTHESIS AND USES THEREOF**
[54] **AGENTS PEPTIDOMIMETIQUES, SYNTHESE ET UTILISATIONS DE CEUX-CI**
[72] AL-ABED, YOUSEF, US
[71] THE FEINSTEIN INSTITUTES FOR MEDICAL RESEARCH, US
[85] 2021-11-03
[86] 2020-05-08 (PCT/US2020/031988)
[87] (WO2020/227588)
[30] US (62/845,611) 2019-05-09

[21] **3,139,104**
[13] A1
[51] **Int.Cl. C07D 279/00 (2006.01) C07D 279/06 (2006.01)**
[25] EN
[54] **THIOSEMICARBAZATES AND USES THEREOF**
[54] **THIOSEMICARBAZATES ET LEURS UTILISATIONS**
[72] AL-ABED, YOUSEF, US
[72] ALTITI, AHMAD, US
[71] THE FEINSTEIN INSTITUTES FOR MEDICAL RESEARCH, US
[85] 2021-11-03
[86] 2020-05-08 (PCT/US2020/031992)
[87] (WO2020/227592)
[30] US (62/845,694) 2019-05-09

[21] **3,139,105**
[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01)**
[25] EN
[54] **LEARNING DATA GENERATION DEVICE, LEARNING DATA GENERATION METHOD, LEARNING DATA GENERATION PROGRAM, LEARNING DEVICE, LEARNING METHOD, LEARNING PROGRAM, INFERENCE DEVICE, INFERENCE METHOD, INFERENCE PROGRAM, LEARNING SYSTEM, AND INFERENCE SYSTEM**
[54] **DISPOSITIF DE GENERATION DE DONNEES D'APPRENTISSAGE, PROCEDE DE GENERATION DE DONNEES D'APPRENTISSAGE, PROGRAMME DE GENERATION DE DONNEES D'APPRENTISSAGE, DISPOSITIF D'APPRENTISSA GE, PROCEDE D'APPRENTISSAGE, PROGRAMME D'APPRENTISSAGE, DISPOSITIF D'INFERENCE, PROCEDE D'INFERENCE, PROGRAMME D'INFERENCE, SYSTEME D'APPRENTISSAGE ET SYSTEME D'INFERENCE**
[72] DOI, MAMORU, JP
[72] KATAYAMA, YUMIKO, JP
[72] SUGIHARA, KENYA, JP
[72] ASHIZAWA, MITSURU, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2021-11-03
[86] 2019-06-20 (PCT/JP2019/024477)
[87] (WO2020/255326)

[21] **3,139,106**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR USE IN SYNTHESIS OF PEPTIDOMIMETICS**
[54] **COMPOSES DESTINES A ETRE UTILISES DANS LA SYNTHESE DE PEPTIDOMIMETIQUES**
[72] AL-ABED, YOUSEF, US
[72] CHENG, KAI FAN, US
[71] THE FEINSTEIN INSTITUTES FOR MEDICAL RESEARCH, US
[85] 2021-11-03
[86] 2020-05-08 (PCT/US2020/031998)
[87] (WO2020/227594)
[30] US (62/845,617) 2019-05-09

[21] **3,139,107**
[13] A1
[51] **Int.Cl. A61K 35/19 (2015.01) C12N 5/078 (2010.01)**
[25] EN
[54] **WASHED PLATELET EXTRACT**
[54] **EXTRAIT DE PLAQUETTES LAVEES**
[72] GALIPEAU, JACQUES, US
[72] BROUNTS, SABRINA HELEN, US
[72] PENNATI, ANDREA, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2021-11-03
[86] 2020-05-08 (PCT/US2020/032018)
[87] (WO2020/227600)
[30] US (62/845,140) 2019-05-08
[30] US (62/971,425) 2020-02-07

[21] **3,139,108**
[13] A1
[51] **Int.Cl. D21J 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRODUCING MOLDED FIBER PRODUCTS**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION DE PRODUITS DE FIBRE MOULEE**
[72] BONTRAGER, RICK, US
[72] GONZALEZ, PABLO, US
[71] ZUME, INC., US
[85] 2021-11-03
[86] 2020-05-06 (PCT/US2020/031675)
[87] (WO2020/227409)
[30] US (62/844,044) 2019-05-06

[21] **3,139,109**
[13] A1
[51] **Int.Cl. A61K 38/07 (2006.01) A61K 31/7024 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **HMGB1 ANTAGONIST**
[54] **ANTAGONISTE DE HMGB1**
[72] AL-ABED, YOUSEF, US
[72] YANG, HUAN, US
[71] THE FEINSTEIN INSTITUTES FOR MEDICAL RESEARCH, US
[85] 2021-11-03
[86] 2020-05-08 (PCT/US2020/032025)
[87] (WO2020/227603)
[30] US (62/845,568) 2019-05-09
[30] US (62/845,576) 2019-05-09
[30] US (62/845,578) 2019-05-09

[21] **3,139,111**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-ROR1/ANTI-CD3 BISPECIFIC BINDING MOLECULES**
[54] **MOLECULES DE LIAISON BISPECIFIQUES ANTI-ROR1/ANTI-CD3**
[72] WATKINS, JEFFRY D., US
[72] JESSEN, KATTI, US
[72] KO, MIRA, US
[72] LANNUTTI, BRIAN, US
[72] VO, THANH-TRANG, US
[72] WATKINS, J. MONTY, US
[71] VELOSBIO INC., US
[85] 2021-11-03
[86] 2020-05-22 (PCT/US2020/034281)
[87] (WO2020/237173)
[30] US (62/852,039) 2019-05-23

[21] **3,139,112**
[13] A1
[51] **Int.Cl. A01H 5/10 (2018.01) A01H 6/28 (2018.01) A01H 1/04 (2006.01) A01H 5/02 (2018.01) B01D 11/00 (2006.01) C12N 15/05 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCTION OF LOW COST TERPENOIDS, INCLUDING CANNABINOIDS, AND VARIETIES ADAPTED FOR LARGE-SCALE PLANTING AND DENSITY OPTIMIZATION INCLUDING CANNABINOID PRESERVATION**
[54] **PROCEDES DE PRODUCTION DE TERPENOIDES A FAIBLE COUT, COMPRENANT DES CANNABINOIDES, ET VARIETES ADAPTEES POUR UNE PLANTATION A GRANDE ECHELLE ET UNE OPTIMISATION DE DENSITE COMPREN ANT LA PRESERVATION DES CANNABINOIDES**
[72] FLETCHER, RICHARD S., US
[71] NEW WEST GENETICS INC., US
[85] 2021-11-03
[86] 2020-05-08 (PCT/US2020/032047)
[87] (WO2020/227611)
[30] US (62/845,383) 2019-05-09
[30] US (62/846,794) 2019-05-13

[21] **3,139,113**
[13] A1
[51] **Int.Cl. G01V 99/00 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR WELL INTERFERENCE DETECTION AND PREDICTION**
[54] **SYSTEME ET PROCEDE DE DETECTION ET DE PREDICTION D'INTERFERENCE DE PUITS**
[72] MONIRUZZAMAN, MD, CA
[72] NIKHANJ, MANUJ, CA
[72] REIMAN, DANIEL, CA
[72] ALONSO, LIVAN B., US
[71] RS ENERGY GROUP TOPCO, INC., CA
[85] 2021-11-03
[86] 2020-05-05 (PCT/US2020/031530)
[87] (WO2020/227327)
[30] US (62/843,774) 2019-05-06

[21] **3,139,114**
[13] A1
[51] **Int.Cl. C09K 8/035 (2006.01) E21B 37/06 (2006.01)**
[25] EN
[54] **CATIONIC AND ANIONIC SHALE INHIBITORS AND CLAY STABILIZERS**
[54] **INHIBITEURS DE SCHISTE ET STABILISANTS D'ARGILE, CATIONIQUES ET ANIONIQUES**
[72] SANTOS, CATHERINE MARTIN, US
[72] LI, CHUNLI, US
[72] OGLE, JAMES WILLIAM, US
[72] XU, LIANG, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-11-03
[86] 2020-05-27 (PCT/US2020/034613)
[87] (WO2021/050121)
[30] US (62/897,700) 2019-09-09
[30] US (16/882,043) 2020-05-22

[21] **3,139,115**
[13] A1
[51] **Int.Cl. A61B 17/56 (2006.01)**
[25] EN
[54] **SURGICAL TOOL AND METHOD**
[54] **OUTIL ET PROCEDE CHIRURGICAUX**
[72] OLSON, DANIEL J., US
[71] OLSON, DANIEL J., US
[85] 2021-11-03
[86] 2020-05-05 (PCT/US2020/031427)
[87] (WO2020/227261)
[30] US (62/843,453) 2019-05-05
[30] US (62/908,562) 2019-09-30
[30] US (29/733,468) 2020-05-02

[21] **3,139,116**
[13] A1
[51] **Int.Cl. F02C 6/16 (2006.01) F02C 1/02 (2006.01)**
[25] EN
[54] **COMPRESSED AIR ENERGY STORAGE POWER GENERATION DEVICE**
[54] **DISPOSITIF DE GENERATION D'ENERGIE ELECTRIQUE A STOCKAGE D'ENERGIE PAR AIR COMPRIME**
[72] MATSUKUMA, MASAKI, JP
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2021-11-03
[86] 2020-03-24 (PCT/JP2020/013062)
[87] (WO2020/230455)
[30] JP (2019-089865) 2019-05-10

[21] **3,139,117**
[13] A1
[51] **Int.Cl. A23J 1/12 (2006.01) A23L 7/104 (2016.01) A23J 3/18 (2006.01)**
[25] EN
[54] **METHODS FOR THE PRODUCTION OF MYCELIATED BULKING COMPOSITIONS**
[54] **PROCEDES DE PRODUCTION DE COMPOSITIONS GONFLANTES MYCELIEES**
[72] SONI, BHUPENDRA KUMAR, US
[72] SHARKEY, BRENDAN, US
[72] HAHN, ALAN D., US
[72] LANGAN, JAMES PATRICK, US
[72] KELLY, BROOKS JOHN, US
[72] CLARK, ANTHONY J., US
[71] MYCOTECHNOLOGY, INC., US
[85] 2021-11-03
[86] 2020-05-08 (PCT/US2020/032065)
[87] (WO2020/227617)
[30] US (62/845,128) 2019-05-08
[30] US (62/886,249) 2019-08-13
[30] US (62/888,031) 2019-08-16

[21] **3,139,118**
[13] A1
[51] **Int.Cl. A61B 17/12 (2006.01) A61B 5/02 (2006.01) A61M 5/00 (2006.01) A61M 5/168 (2006.01) A61M 5/172 (2006.01) A61M 5/48 (2006.01)**
[25] EN
[54] **ATRAUMATIC OCCLUSIVE SYSTEM WITH COMPARTMENT FOR MEASUREMENT OF VASCULAR PRESSURE CHANGE**
[54] **SYSTEME D'OCCLUSION ATRAUMATIQUE POURVU D'UN COMPARTIMENT DESTINE A LA MESURE D'UN CHANGEMENT DE PRESSION VASCULAIRE**
[72] OLSON, ERIK DEAN, US
[72] JAROCH, DAVID BENJAMIN, US
[72] MCCAIN, PATRICK CHARLES, US
[72] AREPALLY, ARAVIND, US
[71] TRISALUS LIFE SCIENCES, INC., US
[85] 2021-11-03
[86] 2020-05-27 (PCT/US2020/034626)
[87] (WO2020/247218)
[30] US (16/431,547) 2019-06-04

[21] **3,139,119**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/6592 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **DUAL CATALYST SYSTEM FOR PRODUCING HIGH DENSITY POLYETHYLENES WITH LONG CHAIN BRANCHING**
[54] **SYSTEME A DOUBLE CATALYSEUR POUR LA PRODUCTION DE POLYETHYLENES HAUTE DENSITE AVEC RAMIFICATION A LONGUE CHAINE**
[72] DING, ERRUN, US
[72] YANG, QING, US
[72] MUNINGER, RANDALL S., US
[72] YU, YOULU, US
[72] INN, YONGWOO, US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2021-11-03
[86] 2020-05-05 (PCT/US2020/031400)
[87] (WO2020/231667)
[30] US (16/413,676) 2019-05-16

[21] **3,139,120**
[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/4439 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **HETEROARYLAMINOPYRIMIDINE AMIDE AUTOPHAGY INHIBITORS AND METHODS OF USE THEREOF**
[54] **HETEROARYLAMINOPYRIMIDINE AMIDES INHIBITEURS D'AUTOPHAGIE ET LEURS PROCEDES D'UTILISATION**
[72] FLYNN, DANIEL, L., US
[72] AHN, YU MI, US
[72] CALDWELL, TIMOTHY, US
[72] VOGETI, LAKSHMINARAYANA, US
[71] DECIPHERA PHARMACEUTICALS, LLC, US
[85] 2021-11-03
[86] 2020-05-08 (PCT/US2020/032090)
[87] (WO2020/231808)
[30] US (62/846,260) 2019-05-10
[30] US (62/846,264) 2019-05-10
[30] US (62/911,733) 2019-10-07
[30] US (62/911,736) 2019-10-07

[21] **3,139,121**
[13] A1
[51] **Int.Cl. B28B 1/00 (2006.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) B33Y 80/00 (2015.01) B22F 3/12 (2006.01) C04B 35/64 (2006.01)**
[25] EN
[54] **FORMULATIONS FOR ADDITIVE MANUFACTURING OF THREE-DIMENSIONAL OBJECTS CONTAINING SINTERABLE MATERIALS**
[54] **PROCEDE DE FABRICATION ADDITIVE D'OBJETS TRIDIMENSIONNELS QUI CONTIENNENT DES MATERIAUX FRITTABLES**
[72] PELED, HAGAI, IL
[71] TRITONE TECHNOLOGIES LTD., IL
[85] 2021-10-28
[86] 2019-05-07 (PCT/IB2019/053749)
[87] (WO2020/225591)

[21] **3,139,122**
[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) C12N 15/09 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **CURING FOR RECURSIVE NUCLEIC ACID-GUIDED CELL EDITING**
[54] **CURAGE POUR L'EDITION RECURSIVE DE CELLULES GUIDEE PAR UN ACIDE NUCLEIQUE**
[72] TIAN, TIAN, US
[72] JOHNSON, CHARLES, US
[72] SPINDLER, EILEEN, US
[71] INSCRIPTA, INC., US
[85] 2021-11-03
[86] 2020-06-04 (PCT/US2020/036064)
[87] (WO2020/247587)
[30] US (62/857,967) 2019-06-06

[21] **3,139,123**
[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) G16H 50/20 (2018.01) G16H 50/50 (2018.01) G16H 50/70 (2018.01)**
[25] EN
[54] **SURGERY PLANNING SYSTEM WITH AUTOMATED DEFECT QUANTIFICATION**
[54] **SYSTEME DE PLANIFICATION DE CHIRURGIE A QUANTIFICATION DE DEFAUTS AUTOMATISEE**
[72] PLESSERS, KATRIEN, BE
[72] JONKERGOUW, FILIP, BE
[72] ZANDBERGEN, MAARTEN, BE
[72] DAEMEN, NELE, BE
[72] SCHROT, JANELLE, BE
[71] MATERIALISE N.V., BE
[85] 2021-11-03
[86] 2020-05-08 (PCT/US2020/032165)
[87] (WO2020/227661)
[30] US (62/845,676) 2019-05-09

[21] **3,139,124**
[13] A1
[51] **Int.Cl. C07K 14/245 (2006.01) C12N 1/20 (2006.01) C12N 1/21 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01) C12N 15/31 (2006.01)**
[25] EN
[54] **GENOME-WIDE RATIONALLY-DESIGNED MUTATIONS LEADING TO ENHANCED LYSINE PRODUCTION IN E. COLI**
[54] **MUTATIONS DE CONCEPTION RATIONNELLE A L'ECHELLE DU GENOME CONDUISANT A UNE PRODUCTION AMELIOREE DE LYSINE DANS E. COLI**
[72] FOX, RICHARD, US
[72] HELD, DANIEL, US
[72] ABBATE, ERIC, US
[72] CLAY, MICHAEL, US
[72] KROUSE, KATHERINE, US
[72] KRISHNAMURTHY, NANDINI, US
[72] YERRAMSETTY, KRISHNA, US
[71] INSCRIPTA, INC., US
[85] 2021-11-03
[86] 2020-06-18 (PCT/US2020/038345)
[87] (WO2020/257395)
[30] US (62/865,075) 2019-06-21

[21] **3,139,125**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) G06N 20/00 (2019.01) E21B 47/024 (2006.01)**
[25] EN
[54] **AUTOMATED OFFSET WELL ANALYSIS**
[54] **ANALYSE AUTOMATISEE DE PUITS DE LIMITE**
[72] JEONG, CHEOLKYUN, US
[72] GOMEZ, FRANCISCO JOSE, GB
[72] RINGER, MAURICE, FR
[72] BOLCHOVER, PAUL, CN
[72] MULLER, PAUL, FR
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2021-11-03
[86] 2020-05-11 (PCT/US2020/032320)
[87] (WO2020/227709)
[30] US (16/407,186) 2019-05-09

[21] **3,139,126**
[13] A1
[51] **Int.Cl. A61N 1/00 (2006.01) A61N 1/20 (2006.01) A61N 1/26 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR PROVIDING ELECTRIC ENERGY TO A SUBJECT**
[54] **APPAREIL ET PROCEDES POUR FOURNIR DE L'ENERGIE ELECTRIQUE A UN SUJET**
[72] GLUKHOVSKY, ARKADY, US
[72] MCBRIDE, KEITH, US
[71] BIONESS INC., US
[85] 2021-11-03
[86] 2020-07-08 (PCT/US2020/041234)
[87] (WO2021/007340)
[30] US (16/504,623) 2019-07-08
[30] US (62/976,698) 2020-02-14

[21] **3,139,127**
[13] A1
[51] **Int.Cl. E21B 33/134 (2006.01) E21B 33/12 (2006.01) E21B 34/14 (2006.01)**
[25] EN
[54] **DISSOLVABLE BRIDGE PLUGS**
[54] **BOUCHONS PROVISOIRES POUVANT ETRE DISSOUS**
[72] POWER, TRAVIS JACK, US
[72] MCLELLAND, MARK WAYNE, US
[72] NGUYEN, TUAN A., US
[71] NEXGEN OIL TOOLS INC., US
[85] 2021-11-03
[86] 2020-04-29 (PCT/US2020/030459)
[87] (WO2020/226964)
[30] US (62/842,720) 2019-05-03

[21] **3,139,128**
[13] A1
[51] **Int.Cl. A61B 18/20 (2006.01) B23K 26/364 (2014.01) A61B 18/26 (2006.01) B23K 26/36 (2014.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR HIGH-SPEED AND HIGH-ASPECT RATIO LASER SUBTRACTIVE MATERIAL PROCESSING**
[54] **PROCEDES ET APPAREIL DE TRAITEMENT DE MATERIAU SOUSTRACTIF AU LASER A GRANDE VITESSE ET A RAPPORT DE FORME ELEVE**
[72] MILNER, THOMAS E., US
[72] KATTA, NITESH, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[71] RESEARCH DEVELOPMENT FOUNDATION, US
[85] 2021-11-03
[86] 2020-05-12 (PCT/US2020/032443)
[87] (WO2020/231975)
[30] US (62/847,577) 2019-05-14

[21] **3,139,129**
[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/30 (2013.01) G06F 21/62 (2013.01) G06F 21/80 (2013.01) G06F 12/14 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SECURING OFFLINE DATA**
[54] **SYSTEMES ET PROCEDES POUR SECURISER DES DONNEES HORS LIGNE**
[72] HUANG, FENG, US
[72] COOPER, ANDY, US
[71] CITRIX SYSTEMS, INC., US
[85] 2021-11-03
[86] 2020-04-20 (PCT/US2020/028919)
[87] (WO2020/226884)
[30] US (16/406,910) 2019-05-08

[21] **3,139,130**
[13] A1
[51] **Int.Cl. A61B 3/00 (2006.01) A61F 2/16 (2006.01) A61F 9/007 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING PRESBYOPIA**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA PRESBYTIE**
[72] SAMPIETRO, ANTHONY, US
[72] GOLDBERG, DAMIEN, US
[72] FROST, AMY, US
[72] HOLDORF, BRIAN, US
[71] OCULAR SCIENCE, INC., US
[85] 2021-11-03
[86] 2020-07-16 (PCT/US2020/042414)
[87] (WO2020/237248)
[30] US (16/590,830) 2019-10-02

[21] **3,139,131**
[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF ACETYLCHOLINE RECEPTOR CHIMERIC AUTOANTIBODY RECEPTOR CELLS**
[54] **COMPOSITIONS ET METHODES RELATIVES A DES CELLULES RECEPTRICES D'AUTO-ANTICORPS CHIMERIQUES DU RECEPTEUR D'ACETYLCHOLINE**
[72] PAYNE, AIMEE S., US
[72] OH, SANGWOOK, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2021-11-03
[86] 2020-05-12 (PCT/US2020/032486)
[87] (WO2020/231999)
[30] US (62/847,121) 2019-05-13

[21] **3,139,132**
[13] A1
[51] **Int.Cl. A61B 5/375 (2021.01) A61B 5/00 (2006.01) A61B 5/05 (2021.01) A61B 5/16 (2006.01) A61M 21/00 (2006.01)**
[25] EN
[54] **NON-INVASIVE SYSTEMS AND METHODS FOR THE DETECTION AND MODULATION OF A USER'S MENTAL STATE THROUGH AWARENESS OF PRIMING EFFECTS**
[54] **SYSTEMES ET METHODES NON INVASIFS POUR LA DETECTION ET LA MODULATION DE L'ETAT MENTAL D'UN UTILISATEUR PAR UNE PRISE DE CONSCIENCE D'EFFETS DE SENSIBILISATION**
[72] JOHNSON, BRYAN, US
[72] KATNANI, HUSAM, US
[71] HI LLC, US
[85] 2021-11-03
[86] 2020-05-28 (PCT/US2020/034831)
[87] (WO2020/251769)
[30] US (62/859,880) 2019-06-11
[30] US (62/891,128) 2019-08-23

[21] **3,139,133**
[13] A1
[51] **Int.Cl. F23C 9/00 (2006.01) C03B 5/237 (2006.01) F23L 7/00 (2006.01) F23L 15/02 (2006.01)**
[25] EN
[54] **METHOD OF CARRYING OUT COMBUSTION IN A FURNACE WITH THERMOCHEMICAL REGENERATION**
[54] **PROCEDE DE REALISATION DE COMBUSTION DANS UN FOUR A REGENERATION THERMOCHIMIQUE**
[72] FRANCIS, ARTHUR W., US
[72] KOBAYASHI, HISAHI, US
[72] BELL, ROBERT L., US
[72] WU, KUANG-TSAI, US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2021-11-03
[86] 2020-04-15 (PCT/US2020/028177)
[87] (WO2020/236348)
[30] US (62/850,079) 2019-05-20

[21] **3,139,134**
[13] A1
[51] **Int.Cl. B65D 71/18 (2006.01) B65D 5/16 (2006.01) B65D 71/30 (2006.01) B65D 71/38 (2006.01)**
[25] EN
[54] **ARTICLE CARRIER AND BLANK THEREFOR**
[54] **SUPPORT D'ARTICLE ET EBAUCHE ASSOCIEE**
[72] GARNIER, JEAN-MICHEL, FR
[72] MERZEAU, JULIEN D., FR
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2021-11-03
[86] 2020-04-28 (PCT/US2020/070006)
[87] (WO2020/227731)
[30] US (62/842,753) 2019-05-03

[21] **3,139,136**
[13] A1
[51] **Int.Cl. A61K 31/5585 (2006.01) A61K 9/127 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION OF A WEAK ACID DRUG AND METHODS OF ADMINISTRATION**
[54] **COMPOSITION PHARMACEUTIQUE D'UN MEDICAMENT A BASE D'ACIDE FAIBLE ET PROCEDES D'ADMINISTRATION**
[72] KAN, PEI, TW
[72] LIN, YI FONG, TW
[72] CHEN, KO CHIEH, TW
[71] PHARMOSA BIOPHARM INC., TW
[85] 2021-11-03
[86] 2020-05-13 (PCT/US2020/032563)
[87] (WO2020/232046)

[21] **3,139,139**
[13] A1
[51] **Int.Cl. B65D 83/04 (2006.01) H01M 50/216 (2021.01)**
[25] EN
[54] **BATTERY HOLDER**
[54] **SUPPORT DE BATTERIE**
[72] KIEHNE, MARK WILLIAMS, AU
[71] LEVENTHAL, ABRAHAM, AU
[85] 2021-11-04
[86] 2020-05-21 (PCT/AU2020/000042)
[87] (WO2020/232497)
[30] AU (2019901719) 2019-05-21

[21] **3,139,140**
[13] A1
[51] **Int.Cl. G06F 9/50 (2006.01) G06F 11/07 (2006.01) G06F 11/30 (2006.01) G06F 11/32 (2006.01) G06F 11/34 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING CLIENT REQUESTS TO ACCESS SERVICES PROVIDED BY A DATA CENTER**
[54] **SYSTEMES ET PROCEDES DE GESTION DE REQUETES CLIENT POUR ACCEDER A DES SERVICES FOURNIS PAR UN CENTRE DE DONNEES**
[72] SINHA, RAJIV, US
[71] CITRIX SYSTEMS, INC., US
[85] 2021-11-03
[86] 2020-05-13 (PCT/US2020/032580)
[87] (WO2020/236469)
[30] US (16/415,761) 2019-05-17

[21] **3,139,141**
[13] A1
[51] **Int.Cl. B65D 47/28 (2006.01)**
[25] EN
[54] **LID FOR CONTAINERS, PARTICULARLY BEVERAGE CONTAINERS**
[54] **COUVERCLE POUR RECIPIENTS, EN PARTICULIER POUR RECIPIENTS DE BOISSON**
[72] LEWANDOWSKI, DARIUSZ, PL
[72] SOBECKI, ROMAN, PL
[71] REEND SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, PL
[85] 2021-10-07
[86] 2019-08-01 (PCT/PL2019/000057)
[87] (WO2020/209733)
[30] PL (P.429610) 2019-04-11

[21] **3,139,144**
[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) H04W 12/02 (2009.01)**
[25] EN
[54] **DATA PROTECTION VIA ATTRIBUTES-BASED AGGREGATION**
[54] **PROTECTION DE DONNEES PAR AGREGATION BASEE SUR DES ATTRIBUTS**
[72] MIN, XINYU, US
[72] PATEL, RUPESH RAMANLAL, US
[71] EQUIFAX INC., US
[85] 2021-11-03
[86] 2020-05-13 (PCT/US2020/032695)
[87] (WO2020/232137)
[30] US (62/847,557) 2019-05-14

[21] **3,139,145**
[13] A1
[51] **Int.Cl. E21B 33/13 (2006.01) E21B 23/00 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **CEMENTING HEAD APPARATUS**
[54] **APPAREIL DE TETE DE CIMENTATION**
[72] SLACK, MAURICE WILLIAM, CA
[72] DOROBANTU, PETRE, CA
[71] NOETIC TECHNOLOGIES INC., CA
[85] 2021-11-04
[86] 2020-05-08 (PCT/CA2020/000060)
[87] (WO2020/223791)
[30] US (62/845,818) 2019-05-09

[21] **3,139,147**
[13] A1
[51] **Int.Cl. G01N 1/38 (2006.01) C12M 1/34 (2006.01) C12M 1/38 (2006.01) C12Q 1/68 (2018.01) G01N 1/44 (2006.01) G01N 21/01 (2006.01)**
[25] EN
[54] **PORTABLE FIELD TESTING APPARATUS AND METHOD**
[54] **PROCEDE ET APPAREIL PORTABLE DE TEST SUR LE TERRAIN**
[72] TRIVETT, ANDREW, CA
[71] UNIVERSITY OF PRINCE EDWARD ISLAND, CA
[85] 2021-11-04
[86] 2020-05-06 (PCT/CA2020/050618)
[87] (WO2020/223814)
[30] US (62/843,928) 2019-05-06

[21] **3,139,148**
[13] A1
[51] **Int.Cl. C07D 215/233 (2006.01) A61K 31/47 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE SALT FORMS OF A KINASE INHIBITOR**
[54] **FORMES DE SEL CRISTALLIN D'UN INHIBITEUR DE KINASE**
[72] DEMORIN, FRENEL, US
[72] SHAH, KHALID, US
[72] SHAKYA, SAGAR, US
[72] WONG, PETER, US
[72] JOHNSON, COURTNEY S., US
[72] BEVILL, MELANIE JANELLE, US
[72] PARENT, STEPHAN D., US
[71] EXELIXIS, INC., US
[85] 2021-11-03
[86] 2019-12-12 (PCT/US2019/065980)
[87] (WO2020/247019)
[30] US (62/856,404) 2019-06-03

[21] **3,139,149**
[13] A1
[51] **Int.Cl. G01V 3/26 (2006.01) E21B 47/00 (2012.01) E21B 49/08 (2006.01) G01N 9/36 (2006.01)**
[25] EN
[54] **STRAIN SENSOR BASED DOWNHOLE FLUID DENSITY MEASUREMENT TOOL**
[54] **OUTIL DE MESURE DE DENSITE DE FLUIDE DE FOND DE TROU BASE SUR UN CAPTEUR DE CONTRAINTE**
[72] VICK JR, JAMES DAN, US
[72] FRIPP, MICHAEL LINLEY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-11-03
[86] 2019-09-17 (PCT/US2019/051544)
[87] (WO2021/054943)

[21] **3,139,155**
[13] A1
[51] **Int.Cl. A01N 43/54 (2006.01) A61K 31/505 (2006.01)**
[25] EN
[54] **MODIFIED RELEASE FORMULATION OF A PYRIMIDINYLAMINO-PYRAZOLE COMPOUND, AND METHODS OF TREATMENT**
[54] **FORMULATION A LIBERATION MODIFIEE D'UN COMPOSE PYRIMIDINYLAMINO-PYRAZOLE, ET METHODES DE TRAITEMENT**
[72] RAVIVARAPU, HARISH, US
[72] REMARCHUK, TRAVIS, US
[72] SUDHAKAR, ANANTHA, US
[72] WONG, BRADLEY K., US
[71] DENALI THERAPEUTICS INC., US
[85] 2021-11-03
[86] 2020-05-29 (PCT/US2020/035413)
[87] (WO2020/243635)
[30] US (62/855,740) 2019-05-31

[21] **3,139,156**
[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 215/233 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 413/04 (2006.01) C07D 417/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR THE TREATMENT OF KINASE-DEPENDENT DISORDERS**
[54] **COMPOSES POUR LE TRAITEMENT DE TROUBLES DEPENDANT DE LA KINASE**
[72] BANNEN, LYNNE CANNE, US
[72] BUI, MINNA, US
[72] JIANG, FAMING, US
[72] TSO, KIN, US
[72] WANG, YONG, US
[72] XU, WEI, US
[71] EXELIXIS, INC., US
[85] 2021-11-03
[86] 2020-06-03 (PCT/US2020/035808)
[87] (WO2020/247418)
[30] US (62/856,920) 2019-06-04

[21] **3,139,159**
[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/62 (2013.01) G06F 15/16 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DISTRIBUTED DATA STORAGE WITH ENHANCED SECURITY, RESILIENCE, AND CONTROL**
[54] **PROCEDE ET SYSTEME DE STOCKAGE DISTRIBUE DE DONNEES AVEC SECURITE, RESILIENCE ET COMMANDE AMELIOREES**
[72] CHUNG, JAEYOON, US
[71] MYOTA, INC., US
[85] 2021-11-03
[86] 2020-05-14 (PCT/US2020/032781)
[87] (WO2020/236500)
[30] US (62/851,146) 2019-05-22

[21] **3,139,161**
[13] A1
[51] **Int.Cl. C07D 241/36 (2006.01) A61K 31/40 (2006.01) C07D 207/04 (2006.01)**
[25] EN
[54] **INHIBITORS OF FIBROBLAST GROWTH FACTOR RECEPTOR KINASES**
[54] **INHIBITEURS DES KINASES DU RECEPTEUR DU FACTEUR DE CROISSANCE DES FIBROBLASTES**
[72] KALDOR, STEPHEN W., US
[72] TYHONAS, JOHN, US
[71] KINNATE BIOPHARMA INC., US
[85] 2021-11-03
[86] 2020-05-14 (PCT/US2020/032939)
[87] (WO2020/236524)
[30] US (62/849,534) 2019-05-17
[30] US (62/907,491) 2019-09-27

[21] **3,139,162**
[13] A1
[51] **Int.Cl. A61K 31/03 (2006.01) A61K 31/198 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING FAMILIAL ADENOMATOUS POLYPOSIS**
[54] **METHODES DE TRAITEMENT DE LA POLYPOSE ADENOMATEUSE FAMILIALE**
[72] GERNER, EUGENE, US
[72] COHEN, ALFRED, US
[72] BOYTIM, MICHELLE, US
[71] CANCER PREVENTION PHARMACEUTICALS, INC., US
[85] 2021-11-03
[86] 2020-05-15 (PCT/US2020/033080)
[87] (WO2020/236562)
[30] US (62/849,590) 2019-05-17

[21] **3,139,163**
[13] A1
[51] **Int.Cl. A63G 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERRING GUEST EVACUATIONS**
[54] **SYSTEMES ET PROCEDES POUR DISSUADER DES EVACUATIONS D'INVITES**
[72] SWERZENSKI, DAVID THOMAS, US
[72] THOMAS, MARK ANDREW, US
[72] DWYER, JERALD THOMAS, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-11-03
[86] 2020-05-19 (PCT/US2020/033647)
[87] (WO2020/236840)
[30] US (62/851,960) 2019-05-23
[30] US (16/526,594) 2019-07-30

[21] **3,139,165**
[13] A1
[51] **Int.Cl. A01M 29/34 (2011.01) A01M 1/10 (2006.01) A01M 1/14 (2006.01) A43D 13/00 (2006.01)**
[25] EN
[54] **TICK TRAP BELT**
[54] **CEINTURE PIEGE A TIQUES**
[72] MASSIS, JEFFERY THOMAS, US
[71] MASSIS, JEFFERY THOMAS, US
[85] 2021-11-03
[86] 2019-09-03 (PCT/US2019/049308)
[87] (WO2020/231456)
[30] US (16/411,725) 2019-05-14

[21] **3,139,166**
[13] A1
[51] **Int.Cl. H04H 20/61 (2009.01) H04H 60/58 (2009.01) H04H 60/64 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING IN-APPLICATION MESSAGING**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR UNE MESSAGERIE DANS UNE APPLICATION**
[72] LINGUANTI, NICHOLAS ANTHONY, US
[72] HUMPHREYS, KIMBERLY ANNE, US
[72] KAM, HUMBERTO AUGUSTO, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2021-11-03
[86] 2020-05-19 (PCT/US2020/033649)
[87] (WO2020/242840)
[30] US (62/852,660) 2019-05-24
[30] US (16/539,703) 2019-08-13

[21] **3,139,167**
[13] A1
[51] **Int.Cl. G07D 11/16 (2019.01) B25J 9/10 (2006.01) B25J 13/08 (2006.01) B65H 5/08 (2006.01) B65H 43/08 (2006.01)**
[25] EN
[54] **OBJECT CONVEYING APPARATUS**
[54] **DISPOSITIF DE TRANSPORT D'OBJETS**
[72] UEMIZO, YOSHIAKI, JP
[72] UEDA, TAKASHI, JP
[71] JAPAN CASH MACHINE CO., LTD., JP
[85] 2021-11-03
[86] 2020-06-16 (PCT/JP2020/023514)
[87] (WO2021/014825)
[30] JP (2019-135157) 2019-07-23

[21] **3,139,168**
[13] A1
[51] **Int.Cl. A61K 31/485 (2006.01) A61P 25/30 (2006.01)**
[25] EN
[54] **OPIOID RECEPTOR ANTAGONIST PRODRUGS**
[54] **PROMEDICAMENTS D'ANTAGONISTES DU RECEPTEUR OPIOIDE**
[72] JI, LIANGLIANG, CN
[72] SHAH, NIKEJ, US
[72] TUSCHE, MICHAEL W., US
[72] HAN, QIANG, US
[72] DING, MINGPING, CN
[71] NIRSUM LABORATORIES, INC., US
[85] 2021-11-04
[86] 2019-05-07 (PCT/CN2019/085813)
[87] (WO2020/223894)

[21] **3,139,169**
[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01)**
[25] EN
[54] **SINGLE-CHANNEL SEQUENCING METHOD BASED ON SELF-LUMINESCENCE**
[54] **PROCEDE DE SEQUENCAGE A CANAL UNIQUE BASE SUR L'AUTO-LUMINESCENCE**
[72] LIAO, SHA, CN
[72] CHEN, XI, CN
[72] CHEN, AO, CN
[72] ZHANG, WENWEI, CN
[72] XU, CHONGJUN, CN
[72] CHEN, HONGMIN, CN
[72] ZHAO, JIE, CN
[72] FU, DEFENG, CN
[71] EGI TECH (SHEN ZHEN) CO., LIMITED, CN
[85] 2021-11-04
[86] 2019-05-15 (PCT/CN2019/086974)
[87] (WO2020/227953)

[21] **3,139,170**
[13] A1
[51] **Int.Cl. B65B 5/00 (2006.01) B25J 15/08 (2006.01)**
[25] EN
[54] **BOX PACKING APPARATUS, BOX PACKING METHOD, AND BOXING BODY**
[54] **DISPOSITIF D'EMBALLAGE DE BOITE, PROCEDE D'EMBALLAGE DE BOITE ET CORPS DE BOITE**
[72] UEMIZO, YOSHIAKI, JP
[72] UEDA, TAKASHI, JP
[71] JAPAN CASH MACHINE CO., LTD., JP
[85] 2021-11-03
[86] 2020-06-16 (PCT/JP2020/023517)
[87] (WO2021/014827)
[30] JP (2019-135153) 2019-07-23

[21] **3,139,172**
[13] A1
[51] **Int.Cl. H04L 12/20 (2006.01)**
[25] EN
[54] **DISTANCE BASED SESSION ROAMING**
[54] **ITINERANCE DE SESSION BASEE SUR LA DISTANCE**
[72] WEI, DAOWEN, CN
[72] DING, JIAN, CN
[72] WANG, HENGBO, CN
[71] CITRIX SYSTEMS, INC., US
[85] 2021-11-04
[86] 2019-06-28 (PCT/CN2019/093686)
[87] (WO2020/258247)

[21] **3,139,173**
[13] A1
[51] **Int.Cl. B25J 15/08 (2006.01) G07D 11/16 (2019.01)**
[25] EN
[54] **ROBOTIC HAND**
[54] **MAIN DE ROBOT**
[72] UEMIZO, YOSHIAKI, JP
[72] UEDA, TAKASHI, JP
[71] JAPAN CASH MACHINE CO., LTD., JP
[85] 2021-11-03
[86] 2020-06-16 (PCT/JP2020/023524)
[87] (WO2021/014828)
[30] JP (2019-135154) 2019-07-23

[21] **3,139,175**
[13] A1
[51] **Int.Cl. H01M 10/44 (2006.01) H01M 10/48 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **BATTERY PERFORMANCE EVALUATION DEVICE, ELECTRONIC APPARATUS, CHARGER, AND BATTERY PERFORMANCE EVALUATION METHOD**
[54] **DISPOSITIF D'EVALUATION DE PERFORMANCE DE BATTERIE, APPAREIL ELECTRONIQUE, CHARGEUR ET PROCEDE D'EVALUATION DE PERFORMANCE DE BATTERIE**
[72] MUNAKATA, ICHIRO, JP
[72] IGARI, SHUNTARO, JP
[72] SHOJI, HIDEKI, JP
[71] TOYO SYSTEM CO., LTD., JP
[85] 2021-11-03
[86] 2021-01-05 (PCT/JP2021/000132)
[87] (WO2021/149482)
[30] JP (2020-007036) 2020-01-20

[21] **3,139,177**
[13] A1
[51] **Int.Cl. G06F 30/00 (2020.01)**
[25] EN
[54] **A FLOW SIMULATION AND TRANSIENT WELL ANALYSIS METHOD BASED ON GENERALIZED TUBE FLOW AND PERCOLATION COUPLING**
[54] **PROCEDE DE SIMULATION DE FLUX ET D'ANALYSE DE PUITS TRANSITOIRE BASE SUR UN COUPLAGE D'INFILTRATION DE FLUX DE TUYAU GENERALISE**
[72] LIN, JIAEN, CN
[72] HE, HUI, CN
[72] HAN, ZHANGYING, CN
[71] XI'AN SINOLINE PETROLEUM SCIENCE & TECHNOLOGY CO., LTD, CN
[85] 2021-11-04
[86] 2020-04-30 (PCT/CN2020/088309)
[87] (WO2020/224539)
[30] CN (201910370524.2) 2019-05-06

[21] **3,139,178**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **PRIMERS AND ASSAYS FOR LINKING REGIONS USING POLYMERASES**
[54] **AMORCES ET DOSAGES POUR LIER DES REGIONS A L'AIDE DE POLYMERASES**
[72] CHAN, KWAN CHEE, CN
[72] GAI, WANXIA, CN
[72] LO, YUK-MING DENNIS, CN
[71] THE CHINESE UNIVERSITY OF HONG KONG, CN
[85] 2021-11-04
[86] 2020-05-11 (PCT/CN2020/089560)
[87] (WO2020/228664)
[30] US (62/846,149) 2019-05-10

[21] **3,139,180**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/68 (2017.01) A61K 9/08 (2006.01) A61K 31/454 (2006.01) A61K 31/502 (2006.01) A61K 31/5025 (2006.01) A61K 31/55 (2006.01) A61K 31/5517 (2006.01) A61K 45/00 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) A61P 43/00 (2006.01) C07K 16/30 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **COMBINATION OF ANTIBODY-PYRROLOBENZODIAZEPINE DERIVATIVE CONJUGATE AND PARP INHIBITOR**
[54] **COMBINAISON D'UN CONJUGUE ANTICORPS-DERIVE DE PYRROLOBENZODIAZEPINE ET D'UN INHIBITEUR DE PARP**
[72] HARADA, NAOYA, JP
[72] KITAMURA, MICHIKO, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2021-09-02
[86] 2020-03-26 (PCT/JP2020/013555)
[87] (WO2020/196712)
[30] JP (2019-061761) 2019-03-27

[21] **3,139,182**
[13] A1
[51] **Int.Cl. B66B 5/00 (2006.01) G06F 30/13 (2020.01) B66B 1/24 (2006.01)**
[25] EN
[54] **METHOD FOR RECORDING ELEVATOR DATA AND FOR GENERATING A DIGITAL TWIN OF AN EXISTING ELEVATOR INSTALLATION**
[54] **PROCEDE SERVANT A DETECTER DES DONNEES D'ASCENSEUR ET SERVANT A GENERER UN JUMEAU NUMERIQUE D'UN SYSTEME D'ASCENSEUR EXISTANT**
[72] CORTONA, ELENA, CH
[71] INVENTIO AG, CH
[85] 2021-11-04
[86] 2020-05-04 (PCT/EP2020/062301)
[87] (WO2020/225203)
[30] EP (19173039.9) 2019-05-07

[21] **3,139,183**
[13] A1
[51] **Int.Cl. C12N 7/00 (2006.01) A61K 48/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **MODIFIED ADENO-ASSOCIATED VIRUS (AAV) PARTICLES FOR GENE THERAPY**
[54] **PARTICULES DE VIRUS ADENO-ASSOCIES (AAV) MODIFIEES POUR THERAPIE GENIQUE**
[72] HEPPENSTALL, PAUL, IT
[72] MAFFEI, MARIANO, IT
[72] DE CASTRO REIS, FERNANDA, IT
[72] POUW, KANYN MORRIS, NL
[71] EUROPEAN MOLECULAR BIOLOGY LABORATORY, DE
[85] 2021-11-04
[86] 2020-05-07 (PCT/EP2020/062713)
[87] (WO2020/225363)
[30] EP (19173365.8) 2019-05-08

[21] **3,139,184**
[13] A1
[51] **Int.Cl. E02D 17/04 (2006.01) E02D 17/08 (2006.01)**
[25] EN
[54] **STRUT CONNECTOR**
[54] **RACCORD D'ENTRETOISES**
[72] SEO, SEUNG KWON, KR
[72] NAM, HUN WOO, KR
[72] SEO, YUN YEONG, KR
[72] SEO, GYEONG SIK, KR
[71] HENCE CONSTRUCTION CO., LTD., KR
[71] SEO, YUN YEONG, KR
[71] SEO, GYEONG SIK, KR
[85] 2021-11-03
[86] 2019-05-13 (PCT/KR2019/005700)
[87] (WO2020/226217)
[30] KR (10-2019-0051934) 2019-05-03

[21] **3,139,186**
[13] A1
[51] **Int.Cl. E21B 37/04 (2006.01) B08B 9/057 (2006.01) E21B 17/18 (2006.01) E21B 37/10 (2006.01)**
[25] EN
[54] **A FLUID FLOW ACTIVATED ROTATIONAL CLEANING TOOL**
[54] **OUTIL DE NETTOYAGE ROTATIF ACTIVE PAR UN FLUIDE**
[72] NELSON, CARL WILLIAM, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-11-03
[86] 2019-07-02 (PCT/US2019/040383)
[87] (WO2021/002856)

[21] **3,139,188**
[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/00 (2006.01) F16K 5/06 (2006.01)**
[25] EN
[54] **BALL VALVE**
[54] **CLAPET A BILLE**
[72] REID, MICHAEL ADAM, GB
[72] SINGH, BIPINKUMAR OMPRAKASH, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-11-03
[86] 2019-07-31 (PCT/US2019/044287)
[87] (WO2021/021148)

[21] **3,139,190**
[13] A1
[51] **Int.Cl. E21B 29/10 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **AN EXPANDABLE METAL SEALANT WELLBORE CASING PATCH**
[54] **PIECE RAPPORTEE POUR TUBAGE DE PUITS DE FORAGE EN MATERIAU D'ETANCHEITE METALLIQUE DILATABLE**
[72] GRECI, STEPHEN MICHAEL, US
[72] FRIPP, MICHAEL LINLEY, US
[72] EVERS, RUTGER, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-11-03
[86] 2019-08-21 (PCT/US2019/047529)
[87] (WO2021/034325)

[21] **3,139,191**
[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61B 5/00 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **ADAPTIVE DEEP BRAIN STIMULATION OF THE SUPEROLATERAL MEDIAL FOREBRAIN BUNDLE**
[54] **STIMULATION CEREBRALE ADAPTATIVE PROFONDE DU FAISCEAU SUPEROLATERAL MEDIAN DU CERVEAU ANTERIEUR**
[72] RICKERT, JORN, DE
[72] SCHUTTLER, MARTIN, DE
[72] COENEN, VOLKER A., DE
[72] SCHLAPFER, THOMAS, DE
[72] TANGERMANN, MICHAEL, DE
[71] CORTEC GMBH, DE
[85] 2021-11-04
[86] 2020-05-08 (PCT/EP2020/062924)
[87] (WO2020/225441)
[30] DE (20 2019 102 592.1) 2019-05-08

[21] **3,139,193**
[13] A1
[51] **Int.Cl. A47K 4/00 (2006.01) E03C 1/01 (2006.01) E03D 11/02 (2006.01)**
[25] EN
[54] **COMBINED SHOWER AND TOILET**
[54] **DOUCHE ET TOILETTES COMBINEES**
[72] DENTON, CLIVE, FR
[71] DENTON, CLIVE, FR
[85] 2021-11-04
[86] 2020-05-11 (PCT/EP2020/063079)
[87] (WO2020/229423)
[30] GB (1906607.5) 2019-05-10

[21] **3,139,195**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61K 48/00 (2006.01) A61P 7/00 (2006.01)**
[25] EN
[54] **NUCLEIC ACID, PHARMACEUTICAL COMPOSITION, CONJUGATE, PREPARATION METHOD, AND USE**
[54] **ACIDE NUCLEIQUE, COMPOSITION PHARMACEUTIQUE, CONJUGUE, PROCEDE DE PREPARATION ET UTILISATION**
[72] ZHANG, HONGYAN, CN
[72] GAO, SHAN, CN
[72] KANG, DAIWU, CN
[72] LIU, TAO, CN
[71] SUZHOU RIBO LIFE SCIENCE CO., LTD., CN
[85] 2021-11-04
[86] 2020-05-21 (PCT/CN2020/091484)
[87] (WO2020/233650)
[30] CN (201910430588.7) 2019-05-22

[21] **3,139,196**
[13] A1
[51] **Int.Cl. F17C 1/00 (2006.01) F17C 1/06 (2006.01) F17C 1/16 (2006.01) F17C 13/00 (2006.01) F17C 13/02 (2006.01) F17C 13/08 (2006.01)**
[25] EN
[54] **REPLACEABLE CARTRIDGE, CARTRIDGE SYSTEM AND METHOD FOR CONNECTING CARTRIDGES**
[54] **CARTOUCHE REMPLACABLE, SYSTEME A CARTOUCHES ET PROCEDE POUR ASSEMBLER DES CARTOUCHES**
[72] WEIGL, JORG, DE
[72] FRIEDERICH, FELIX, DE
[72] DORNDORFER, JOHANNES, AT
[71] UNICORN ENERGY GMBH, DE
[85] 2021-11-04
[86] 2020-05-14 (PCT/EP2020/063437)
[87] (WO2020/234102)
[30] DE (10 2019 113 063.8) 2019-05-17

[21] **3,139,207**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 33/124 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COMPREHENSIVE FRACTURING PUMP OPERATION MONITORING**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE COMPLETE DE FONCTIONNEMENT DE POMPE DE FRACTURATION**
[72] STEWART, TREVER DEAN, US
[71] SPM OIL & GAS INC., US
[85] 2021-09-07
[86] 2020-03-10 (PCT/US2020/021928)
[87] (WO2020/185803)
[30] US (62/816,886) 2019-03-11

[21] **3,139,209**
[13] A1
[51] **Int.Cl. C07K 7/08 (2006.01)**
[25] EN
[54] **MASP INHIBITORY COMPOUNDS AND USES THEREOF**
[54] **COMPOSES INHIBITEURS DE MASP ET LEURS UTILISATIONS**
[72] BIERER, DONALD, DE
[72] FLAMME, INGO, DE
[72] ZUBOV, DMITRY, DE
[72] NEUBAUER, THOMAS, DE
[72] TERSTEEGEN, ADRIAN, DE
[72] JUHL, CATHLEEN, DE
[72] GLATZ, MARIE, DE
[72] DREHER, JAN, DE
[72] HOLTON, SIMON, DE
[72] TERJUNG, CARSTEN, DE
[72] BAUMANN, LARS, DE
[72] POETHKO, THORSTEN, DE
[72] XIONG, JIANCHENG, CN
[72] QIU, YIBO, US
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER PHARMA AKTIENFESELLSCHAFT, DE
[85] 2021-11-04
[86] 2020-04-30 (PCT/EP2020/062040)
[87] (WO2020/225095)
[30] CN (PCT/CN2019/085791) 2019-05-07

[21] **3,139,216**
[13] A1
[51] **Int.Cl. C08J 11/06 (2006.01) B29B 17/04 (2006.01) C04B 24/26 (2006.01) C04B 26/26 (2006.01) C08J 3/12 (2006.01) C08J 3/20 (2006.01) C08L 95/00 (2006.01) E01C 7/26 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF AN ADDITIVE FOR BITUMINOUS CONGLOMERATES WITH HIGH MECHANICAL PERFORMANCES AND ADDITIVE COMPOSITION**
[54] **PROCEDE POUR LA PRODUCTION D'UN ADDITIF POUR DES CONGLOMERATS BITUMINEUX A HAUTES PERFORMANCES MECANIQUES ET COMPOSITION D'ADDITIF**
[72] GIANNATTASIO, FEDERICA, IT
[72] CISANI, SERGIO, IT
[72] BERTULETTI, ELISA, IT
[71] ITERCHIMICA S.P.A., IT
[85] 2021-11-04
[86] 2020-05-04 (PCT/EP2020/062260)
[87] (WO2020/225184)
[30] IT (102019000006600) 2019-05-07

[21] **3,139,221**
[13] A1
[51] **Int.Cl. A01H 5/12 (2018.01) A01H 6/02 (2018.01) A01H 1/04 (2006.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **DOWNY MILDEW RESISTANT SPINACH AND GENES CONFERRING RESISTANCE TO DOWNY MILDEW**
[54] **EPINARD RESISTANT AU MILDIOU ET GENES CONFERANT UNE RESISTANCE AU MILDIOU**
[72] PEL, MATHIEU ANDRE, NL
[72] SUIDGEEST, FAIRA, NL
[72] DIJKSTRA, JAN ANE, NL
[71] ENZA ZADEN BEHEER B.V., NL
[85] 2021-11-04
[86] 2020-05-20 (PCT/EP2020/064060)
[87] (WO2020/239572)
[30] EP (PCT/EP2019/063449) 2019-05-24

[21] **3,139,228**
[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/4155 (2006.01) A61K 31/4196 (2006.01) A61K 31/422 (2006.01) A61K 31/4709 (2006.01) A61K 31/5377 (2006.01) A61P 1/16 (2006.01) A61P 5/00 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 13/00 (2006.01) A61P 13/12 (2006.01) A61P 15/00 (2006.01) A61P 17/00 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **(R)-3-(CHLORO-5-FLUORO-2-((4-(1H-PYRAZOL-1-YL)-2-METHYLQUINOLIN-8-YLOXY)METHYL)PHENYL)MORPHOLINE DERIVATIVES AND RELATED COMPOUNDS AS BRADYKININ (BK) B2 RECEPTOR ANTAGONIST FOR TREATING SKIN DISEASES**
[54] **DERIVES DE (R)-3-(CHLORO-5-FLUORO-2-((4-(1H-PYRAZOL-1-YL)-2-METHYLQUINOLIN-8-YLOXY)METHYL)PHENYL)MORPHOLINE ET COMPOSES APPARENTES SERVANT D'ANTAGONISTE DU RECEPTEUR B2 DE LA BRADYKININE (BK) POUR LE TRAITEMENT DE MALADIES DE LA PEAU**
[72] GIBSON, CHRISTOPH, DE
[72] SAUPE, JOERN, DE
[72] AMBROSI, HORST-DIETER, DE
[72] HAUSTEDT, LARS OLE, DE
[71] PHARVARIS GMBH, CH
[85] 2021-11-04
[86] 2020-05-25 (PCT/EP2020/064379)
[87] (WO2020/234480)
[30] EP (19176229.3) 2019-05-23

[21] **3,139,229**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4025 (2006.01) A61K 31/4155 (2006.01) A61K 31/4178 (2006.01) A61K 31/4196 (2006.01) A61K 31/422 (2006.01) A61K 31/444 (2006.01) A61K 31/4709 (2006.01) A61K 31/496 (2006.01) A61K 31/5377 (2006.01) A61P 1/16 (2006.01) A61P 5/00 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 13/00 (2006.01) A61P 13/12 (2006.01) A61P 15/00 (2006.01) A61P 17/00 (2006.01) A61P 25/00 (2006.01) A61P 25/04 (2006.01) A61P 27/00 (2006.01) A61P 27/02 (2006.01) A61P 27/16 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **1-((S)-1-(3-CHLORO-5-FLUORO-2-((4-(1H-PYRAZOL-1-YL)-2-METHYLQUINOLIN-8-YLOXY)METHYL)PHENYL)ETHYL)-IMIDAZOLIDINE-2,4-DIONE DERIVATIVES AND RELATED COMPOUNDS AS BRADYKININ (BK) B2 R ECEPTOR ANTAGONIST FOR TREATING SKIN DISEASES**
[54] **DERIVES DE 1-((S)-1-(3-CHLORO-5-FLUORO-2-((4-(1H-PYRAZOL-1-YL)-2-METHYLQUINOLIN-8-YLOXY)METHYL)PHENYL)ETHYL)-IMIDAZOLIDINE-2,4-DIONE ET COMPOSES APPARENTES SERVANT D'ANTAGONISTE D U RECEPTEUR B2 DE LA BRADYKININE (BK) POUR LE TRAITEMENT DE MALADIES DE LA PEAU**
[72] GIBSON, CHRISTOPH, DE
[72] SAUPE, JOERN, DE
[72] AMBROSI, HORST-DIETER, DE
[72] HAUSTEDT, LARS OLE, DE
[71] PHARVARIS GMBH, CH
[85] 2021-11-04
[86] 2020-05-25 (PCT/EP2020/064375)
[87] (WO2020/234479)
[30] EP (19176207.9) 2019-05-23

[21] **3,139,235**
[13] A1
[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/071 (2010.01) C12N 5/0786 (2010.01) A61K 35/30 (2015.01) C07K 14/47 (2006.01) C12N 15/12 (2006.01) C12N 15/90 (2006.01) C12Q 1/02 (2006.01) C12N 5/079 (2010.01) C12N 15/09 (2006.01)**
[25] EN
[54] **RAPID AND DETERMINISTIC GENERATION OF MICROGLIA FROM HUMAN PLURIPOTENT STEM CELLS**
[54] **GENERATION RAPIDE ET DETERMINISTE DE MICROGLIE A PARTIR DE CELLULES SOUCHES PLURIPOTENTES HUMAINES**
[72] PAWLOWSKI, MATTHIAS, DE
[72] SPEICHER, ANNA MARTINA, DE
[71] WESTFALISCHE WILHELMS-UNIVERSITAT MUNSTER, DE
[85] 2021-11-04
[86] 2020-05-27 (PCT/EP2020/064649)
[87] (WO2020/239807)
[30] EP (19176722.7) 2019-05-27

[21] **3,139,237**
[13] A1
[51] **Int.Cl. A23G 1/48 (2006.01) A23L 7/122 (2016.01) A23L 33/20 (2016.01) A23P 10/20 (2016.01) A23G 1/40 (2006.01) A23G 1/46 (2006.01) A23G 1/54 (2006.01) A23G 3/34 (2006.01) A23G 3/36 (2006.01) A23G 3/42 (2006.01) A23G 3/46 (2006.01) A23G 3/48 (2006.01) A23G 3/54 (2006.01)**
[25] EN
[54] **CONFECTIONERY COMPOSITION**
[54] **COMPOSITION DE CONFISERIE**
[72] DUSSOL, JEAN-MAURICE, US
[72] CLOS, MICHAEL, US
[71] KRAFT FOODS SCHWEIZ HOLDING GMBH, CH
[85] 2021-11-04
[86] 2020-05-28 (PCT/EP2020/064855)
[87] (WO2020/239917)
[30] GB (1907749.4) 2019-05-31

[21] **3,139,246**
[13] A1
[51] **Int.Cl. A47F 3/04 (2006.01) A47F 3/06 (2006.01) F24F 9/00 (2006.01) F25D 17/06 (2006.01) F25D 25/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS TO REFRIGERATORS**
[54] **AMELIORATIONS POUR REFRIGERATEURS**
[72] MCANDREW, PAUL, GB
[71] AEROFOIL ENERGY LIMITED, GB
[85] 2021-11-04
[86] 2020-05-07 (PCT/GB2020/051131)
[87] (WO2020/229799)
[30] GB (1906654.7) 2019-05-10

[21] **3,139,249**
[13] A1
[51] **Int.Cl. G06F 9/00 (2006.01)**
[25] EN
[54] **SMART PROPERTY ARCHIVE FOR SAFEGUARDING SOFTWARE CONFIGURATION**
[54] **ARCHIVE DE PROPRIETES INTELLIGENTE PERMETTANT LA SAUVEGARDE D'UNE CONFIGURATION DE LOGICIEL**
[72] LEE, HON KONG KENNETH, CN
[71] LEE, HON KONG KENNETH, CN
[85] 2021-11-04
[86] 2019-03-28 (PCT/IB2019/052522)
[87] (WO2020/194035)

[21] **3,139,254**
[13] A1
[51] **Int.Cl. F21S 8/08 (2006.01) F21V 21/10 (2006.01) F21V 23/00 (2015.01) H02G 3/04 (2006.01) F21V 23/04 (2006.01) F21V 23/06 (2006.01)**
[25] EN
[54] **LIGHT FIXTURE ASSEMBLY FOR A STREET LIGHT FIXTURE**
[54] **ENSEMBLE LUMINAIRE POUR LUMINAIRE DE RUE**
[72] WEBER, RONALD MARTIN, US
[72] MOSTOLLER, MATTHEW EDWARD, US
[71] TE CONNECTIVITY SERVICES GMBH, CH
[85] 2021-11-04
[86] 2020-04-30 (PCT/IB2020/054094)
[87] (WO2020/225667)
[30] US (62/844,540) 2019-05-07
[30] US (16/855,285) 2020-04-22

[21] **3,139,257**
[13] A1
[51] **Int.Cl. A61K 47/64 (2017.01) A61K 39/09 (2006.01) C07K 1/16 (2006.01)**
[25] EN
[54] **CONJUGATE PRODUCTION**
[54] **PRODUCTION DE CONJUGUES**
[72] BIEMANS, RALPH LEON, BE
[72] BERTAUD, ELISABETH MARIE MONIQUE, BE
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2021-11-04
[86] 2020-05-07 (PCT/IB2020/054336)
[87] (WO2020/229964)
[30] EP (19173917.6) 2019-05-10
[30] EP (19179208.4) 2019-06-08

[21] **3,139,260**
[13] A1
[51] **Int.Cl. B62D 25/02 (2006.01) B60K 1/04 (2019.01) B62D 21/15 (2006.01)**
[25] EN
[54] **SIDE SILL PART FOR AN AUTOMOTIVE VEHICLE**
[54] **PARTIE DE LONGERON LATERAL POUR VEHICULE AUTOMOBILE**
[72] GIBEAU, ELIE, FR
[72] BARDIN, KEVIN, FR
[72] SOTTY, ALEXANDRE, FR
[72] SCHNEIDER, NICOLAS, FR
[71] ARCELORMITTAL, LU
[85] 2021-11-04
[86] 2020-05-07 (PCT/IB2020/054341)
[87] (WO2020/225766)
[30] IB (PCT/IB2019/053732) 2019-05-07

[21] **3,139,265**
[13] A1
[51] **Int.Cl. C12P 5/00 (2006.01) A01H 6/28 (2018.01) C07K 14/415 (2006.01) C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 9/88 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **TERPENE SYNTHASES AND TRANSPORTERS**
[54] **TERPENE SYNTHASES ET TRANSPORTEURS**
[72] COHEN, SHAHAR, IL
[72] DAVIDOVICH-RIKANATI, RACHEL, IL
[72] BAR, EINAT, IL
[72] LEWINSOHN, EFRAIM, IL
[72] DORON-FAIGENBOIM, ADI, IL
[72] SALAMA, FARIS, IL
[72] HASSON, DANIEL, IL
[72] SARUBERG, SHAHAR, IL
[72] YESELSON, YELENA, IL
[72] WOLF, DALIA, IL
[72] POLTURAK, GUY, GB
[72] ITKIN, MAXIM, IL
[72] SCHAFFER, ARTHUR A., IL
[71] THE STATE OF ISRAEL, MINISTRY OF AGRICULTURE & RURAL DEVELOPMENT, AGRICULTURAL RESEARCH ORGANIZATION (A.R.O.), VOLCANI CENTER, IL
[85] 2021-11-04
[86] 2020-05-08 (PCT/IL2020/050505)
[87] (WO2020/225820)
[30] US (62/844,767) 2019-05-08

[21] **3,139,268**
[13] A1
[51] **Int.Cl. G02C 7/00 (2006.01) G02B 1/115 (2015.01) G02B 1/14 (2015.01)**
[25] EN
[54] **SPECTACLE LENS, COMPOSITION**
[54] **VERRE DE LUNETTES, COMPOSITION**
[72] IGAMI, YUKA, JP
[71] NIKON-ESSILOR CO., LTD., JP
[85] 2021-11-04
[86] 2020-04-30 (PCT/JP2020/018326)
[87] (WO2020/230655)
[30] JP (2019-090202) 2019-05-10

[21] **3,139,271**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01) G06T 7/277 (2017.01) A63B 69/36 (2006.01) A63B 69/38 (2006.01) G03B 15/16 (2021.01)**
[25] EN
[54] **BALL TRACKING APPARATUS AND BALL TRACKING METHOD**
[54] **APPAREIL DE SUIVI DE BALLE ET PROCEDE DE SUIVI DE BALLE**
[72] NAGAI, KYOICHI, JP
[71] GPRO CO., LTD., JP
[85] 2021-11-04
[86] 2020-10-30 (PCT/JP2020/040735)
[87] (WO2021/085578)
[30] JP (2019-198201) 2019-10-31

[21] **3,139,275**
[13] A1
[51] **Int.Cl. A61F 2/82 (2013.01) A61F 2/00 (2006.01) A61F 2/06 (2013.01) A61F 2/86 (2013.01) A61F 2/90 (2013.01)**
[25] EN
[54] **METHODS AND DEVICES FOR TREATING ILIOCAVAL COMPRESSION, OCCLUSION, REDUCTION OF VENOUS CALIBER, AND SYNDROMES AND DISEASE STATES RESULTING FROM OCCLUSION**
[54] **METHODES ET DISPOSITIFS DE TRAITEMENT DE COMPRESSION ILIO-CAVALE, D'OCCLUSION, DE REDUCTION DE CALIBRE VEINEUX ET DE SYNDROMES AINSI QUE D'ETATS PATHOLOGIQUES CONSECUTIFS A UNE OC CLUSION**
[72] SPENCER, DARREN, GB
[72] BALMFORTH, PETER, GB
[72] SOBOTKA, PAUL, GB
[72] BRENNEMAN, RODNEY, GB
[71] DP HOLDING (U.K) LIMITED, GB
[85] 2021-11-04
[86] 2020-05-07 (PCT/US2020/031908)
[87] (WO2020/227552)
[30] US (62/844,994) 2019-05-08
[30] US (62/903,354) 2019-09-20

[21] **3,139,277**
[13] A1
[51] **Int.Cl. C07D 403/14 (2006.01)**
[25] EN
[54] **JAK INHIBITORS**
[54] **INHIBITEURS DE JAK**
[72] MOHAN, RAJU, US
[72] NUSS, JOHN, US
[72] HARRIS, JASON, US
[72] YUAN, SHENDONG, US
[71] VIMALAN BIOSCIENCES, INC., US
[85] 2021-11-04
[86] 2020-05-07 (PCT/US2020/031925)
[87] (WO2020/227563)
[30] US (62/845,119) 2019-05-08
[30] US (62/884,588) 2019-08-08

[21] **3,139,303**
[13] A1
[51] **Int.Cl. B21C 23/14 (2006.01) B29C 48/35 (2019.01) B21C 25/02 (2006.01)**
[25] EN
[54] **AN EXTRUSION AND/OR PULTRUSION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'EXTRUSION ET/OU D'EXTRUSION PAR TIRAGE**
[72] JANSSON KRAGH, MARK, SE
[71] RELIEFED AB, SE
[85] 2021-11-04
[86] 2020-05-05 (PCT/SE2020/050451)
[87] (WO2020/226556)
[30] SE (1950537-9) 2019-05-06

[21] **3,139,306**
[13] A1
[51] **Int.Cl. B62D 35/00 (2006.01) B60J 1/20 (2006.01) B60P 3/36 (2006.01)**
[25] EN
[54] **DEFLECTOR FOR VEHICLE**
[54] **DEFLECTEUR POUR VEHICULE**
[72] MAYNES, SPENCER WHEATLEY, US
[72] KENNEDY, WAYNE, US
[72] HANSEN, REN, US
[72] GOLSCH, KEVIN ANTHONY, US
[71] DEFLECT LLC, US
[85] 2021-11-03
[86] 2019-12-19 (PCT/US2019/067601)
[87] (WO2020/226698)
[30] US (62/845,271) 2019-05-08
[30] US (16/721,009) 2019-12-19

[21] **3,139,308**
[13] A1
[51] **Int.Cl. A61J 3/10 (2006.01) A23L 19/00 (2016.01) A23P 20/18 (2016.01) A61F 3/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANUFACTURING CANNABIS EDIBLES, AND RESULTING EDIBLE PRODUCTS**
[54] **SYSTEMES ET METHODES DE FABRICATION DE PRODUITS COMESTIBLES DE CANNABIS, ET PRODUITS COMESTIBLES RESULTANTS**
[72] WARREN, WILLIAM, US
[72] DOYLE, DAVID, US
[71] ATOMIC HEALTH, INC., US
[85] 2021-11-04
[86] 2020-05-01 (PCT/US2020/031128)
[87] (WO2020/227130)
[30] US (62/844,060) 2019-05-06
[30] US (62/923,668) 2019-10-21
[30] US (63/007,881) 2020-04-09

[21] **3,139,318**
[13] A1
[51] **Int.Cl. E06B 3/46 (2006.01) E05D 15/06 (2006.01) E06B 5/16 (2006.01) E06B 7/16 (2006.01) E06B 7/18 (2006.01) E06B 7/20 (2006.01)**
[25] EN
[54] **SLIDING DOOR SYSTEMS**
[54] **SYSTEMES DE PORTE COULISSANTE**
[72] MARTIN, RYAN, US
[72] MOROVICH, JEFF, US
[72] SWARTZ, DUSTIN, US
[71] SCHLAGE LOCK COMPANY LLC, US
[85] 2021-11-04
[86] 2020-05-06 (PCT/US2020/031647)
[87] (WO2020/227389)
[30] US (16/404,003) 2019-05-06

[21] **3,139,319**
[13] A1
[51] **Int.Cl. C07K 14/725 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **ENHANCEMENT OF POLYPEPTIDES AND CHIMERIC ANTIGEN RECEPTORS VIA HINGE DOMAINS**
[54] **AMELIORATION DE POLYPEPTIDES ET DE RECEPTEURS D'ANTIGENES CHIMERIQUES PAR L'INTERMEDIAIRE DE DOMAINES CHARNIERES**
[72] MAJZNER, ROBBIE G., US
[72] MACKALL, CRYSTAL L., US
[72] LABANIEH, LOUAI, US
[72] RIETBERG, SKYLER P., US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2021-11-04
[86] 2020-05-06 (PCT/US2020/031728)
[87] (WO2020/227446)
[30] US (62/844,683) 2019-05-07

[21] **3,139,320**
[13] A1
[51] **Int.Cl. A24F 40/465 (2020.01) A24F 40/485 (2020.01)**
[25] EN
[54] **LEAKAGE PREVENTION STRUCTURE IN A VAPORIZER DEVICE**
[54] **STRUCTURE DE PREVENTION DE FUITE DANS UN DISPOSITIF VAPORISATEUR**
[72] BLELOCH, ANDREW L., US
[72] NYSEN, PETER, US
[71] LOTO LABS, INC., US
[85] 2021-11-04
[86] 2020-05-07 (PCT/US2020/031846)
[87] (WO2020/227509)
[30] US (62/844,392) 2019-05-07

[21] **3,139,321**
[13] A1
[51] **Int.Cl. C12N 15/62 (2006.01) A61K 47/66 (2017.01) A61K 9/127 (2006.01) A61K 31/7088 (2006.01) A61P 37/06 (2006.01) C07J 9/00 (2006.01) C07K 19/00 (2006.01) C12N 9/12 (2006.01) C12N 9/14 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **POLYNUCLEOTIDES FOR DISRUPTING IMMUNE CELL ACTIVITY AND METHODS OF USE THEREOF**
[54] **POLYNUCLEOTIDES SERVANT A PERTURBER L'ACTIVITE DE CELLULE IMMUNITAIRE ET PROCEDES POUR LES UTILISER**
[72] FU, YING, US
[72] KENNEY, LAURIE, US
[71] MODERNATX, INC., US
[85] 2021-11-04
[86] 2020-05-07 (PCT/US2020/031847)
[87] (WO2020/227510)
[30] US (62/844,588) 2019-05-07

[21] **3,139,322**
[13] A1
[51] **Int.Cl. B65D 25/06 (2006.01) B65D 25/10 (2006.01) B65D 81/26 (2006.01)**
[25] EN
[54] **UTILITY BOX AND CRANKBAIT STORAGE SYSTEM**
[54] **BOITE A USAGES MULTIPLES ET SYSTEME DE STOCKAGE DE POISSONS-NAGEURS**
[72] MCCUNE, CLARK, US
[72] DAVIS, CHARLES, US
[72] WHALEN, JOHN, US
[72] KWIATOWSKI, NEIL, US
[72] UMHOLTZ, MASON, US
[72] DAY, MICHAEL, US
[72] PARADISE, CHARLES, US
[71] PLANO MOLDING COMPANY, US
[85] 2021-11-04
[86] 2020-05-08 (PCT/US2020/032097)
[87] (WO2020/227630)
[30] US (62/845,600) 2019-05-09

[21] **3,139,323**
[13] A1
[51] **Int.Cl. H04R 5/02 (2006.01) H04S 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DELIVERING FULL-BANDWIDTH SOUND TO AN AUDIENCE IN AN AUDIENCE SPACE**
[54] **SYSTEME ET PROCEDE POUR DISTRIBUER UN SON A BANDE PASSANTE COMPLETE A UN PUBLIC DANS UN ESPACE D'AUDIENCE**
[72] MEYER, JOHN D., US
[72] SCHWENKE, ROGER, US
[72] ROGERS, MILES, US
[72] ARNESON, JON M., US
[71] MEYER SOUND LABORATORIES, INCORPORATED, US
[85] 2021-11-04
[86] 2020-05-08 (PCT/US2020/032102)
[87] (WO2020/227633)
[30] US (62/845,244) 2019-05-08

[21] **3,139,324**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/113 (2010.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING HEPATITIS B**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE L'HEPATITE B**
[72] SMEKALOVA, ELENA, US
[72] PACKER, MICHAEL, US
[72] GREGOIRE, FRANCINE, US
[72] BARRERA, LUIS, US
[72] CIARAMELLA, GIUSEPPE, US
[71] BEAM THERAPEUTICS INC., US
[85] 2021-11-04
[86] 2020-05-08 (PCT/US2020/032226)
[87] (WO2020/231863)
[30] US (62/846,422) 2019-05-10
[30] US (62/927,585) 2019-10-29

[21] **3,139,325**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING HEPATITIS B VIRUS (HBV) INFECTION**
[54] **COMPOSITIONS ET METHODES POUR TRAITER UNE INFECTION PROVOQUEE PAR LE VIRUS DE L'HEPATITE B (VHB)**
[72] PANG, PHILLIP S., US
[72] BAKARDJIEV, ANNA, US
[72] CONNOLLY, LYNN E., US
[71] VIR BIOTECHNOLOGY, INC., US
[85] 2021-11-04
[86] 2020-05-12 (PCT/US2020/032525)
[87] (WO2020/232024)
[30] US (62/846,927) 2019-05-13
[30] US (62/893,646) 2019-08-29
[30] US (62/992,785) 2020-03-20
[30] US (62/994,177) 2020-03-24
[30] US (63/009,910) 2020-04-14

[21] **3,139,326**
[13] A1
[51] **Int.Cl. B64C 1/00 (2006.01) G05D 1/00 (2006.01) H01Q 1/12 (2006.01)**
[25] EN
[54] **SELF-DRIVING CONTROL DEVICE AND UNMANNED DRIVING DEVICE WITH THE SAME**
[54] **APPAREIL DE COMMANDE DE CONDUITE AUTOMATIQUE ET APPAREIL SANS CONDUCTEUR POURVU DE CELUI-CI**
[72] WEN, HAIJUN, CN
[71] GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD., CN
[85] 2021-11-03
[86] 2020-08-20 (PCT/CN2020/110335)
[87] (WO2021/120659)
[30] CN (201922302280.2) 2019-12-19

[21] **3,139,327**
[13] A1
[51] **Int.Cl. H04B 3/46 (2015.01)**
[25] EN
[54] **AUTOMATED FREQUENCY COORDINATION FOR SHARED SPECTRUM WIRELESS SYSTEMS**
[54] **COORDINATION AUTOMATISEE DE FREQUENCES POUR SYSTEMES SANS FIL A SPECTRE PARTAGE**
[72] MACMULLAN, SAMUEL JAY, US
[72] GHORBANZADEH, MICHAEL OLIVER, US
[72] NI, JAMES, US
[72] SCHAUBACH, KURT, US
[71] FEDERATED WIRELESS, INC., US
[85] 2021-11-04
[86] 2020-05-13 (PCT/US2020/032680)
[87] (WO2020/227724)

[21] **3,139,328**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/385 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **ATTENUATED YELLOW FEVER VIRUS AND USES THEREOF FOR THE TREATMENT OF CANCER**
[54] **VIRUS DE LA FIEVRE JAUNE ATTENUE ET SES UTILISATIONS POUR LE TRAITEMENT DU CANCER**
[72] COLEMAN, JOHN ROBERT, US
[72] MUELLER, STEFFEN, US
[72] STAUFT, CHARLES, US
[72] WANG, YING, US
[71] CODAGENIX INC., US
[85] 2021-11-04
[86] 2020-05-14 (PCT/US2020/032901)
[87] (WO2020/232254)
[30] US (62/848,443) 2019-05-15

[21] **3,139,329**
[13] A1
[51] **Int.Cl. C09K 3/12 (2006.01) F16K 27/00 (2006.01) F16K 41/00 (2006.01)**
[25] EN
[54] **VALVE LEAK REPAIR PACKING MATERIAL AND METHOD OF USING THE SAME**
[54] **MATERIAU DE GARNITURE POUR REPARATION DE FUITE DE VANNE ET SON PROCEDE D'UTILISATION**
[72] OLDIGES, DONALD A., US
[72] BLAKE, TOM, US
[72] ROTH, RODNEY, US
[72] BRUCKNER, GREGORY PAUL, US
[72] JONES, DENNIS WAYNE, US
[71] WHITMORE MANUFACTURING, LLC, US
[85] 2021-11-04
[86] 2020-05-15 (PCT/US2020/033095)
[87] (WO2020/232345)
[30] US (62/848,288) 2019-05-15

[21] **3,139,330**
[13] A1
[51] **Int.Cl. G01N 27/90 (2021.01) G01N 23/2206 (2018.01) G01N 21/88 (2006.01)**
[25] EN
[54] **INTEGRATED SYSTEM FOR ASSESSING AND MODELING INTEGRITY OF WHEELS AND RIMS OF OFF THE ROAD VEHICLES**
[54] **SYSTEME INTEGRE D'EVALUATION ET DE MODELISATION DE L'INTEGRITE DE ROUES ET DE JANTES DE VEHICULES HORS ROUTE**
[72] SHUMKA, THOMAS, CA
[72] SHUMKA, JASON, CA
[71] OTR WHEEL SAFETY, INC., CA
[85] 2021-11-05
[86] 2020-01-23 (PCT/CA2020/000008)
[87] (WO2020/223788)
[30] CA (3,042,657) 2019-05-06

[21] **3,139,331**
[13] A1
[51] **Int.Cl. G16Y 40/00 (2020.01) G05D 23/19 (2006.01) G06F 1/20 (2006.01)**
[25] EN
[54] **WATER HEATERS WITH COMPUTING ELEMENTS AS A NETWORK**
[54] **CHAUFFE-EAU DOTES D'ELEMENTS DE CALCUL EN TANT QUE RESEAU**
[72] DUCHESNE, SIMON, CA
[72] DUCHESNE, DOMINIQUE, CA
[71] 9346-6621 QUEBEC INC. D/B/A POSITIVE DEGREE, CA
[85] 2021-11-05
[86] 2020-05-06 (PCT/CA2020/050607)
[87] (WO2020/223808)
[30] US (62/843,632) 2019-05-06

[21] **3,139,332**
[13] A1
[51] **Int.Cl. E01H 5/09 (2006.01) E01H 5/04 (2006.01)**
[25] EN
[54] **SNOW THROWER**
[54] **SOUFFLEUSE A NEIGE**
[72] O'BRIEN, WILLIAM J., US
[72] TORRISI, GREGORY S., US
[72] CHAPMAN, SETH H., US
[72] MCCALLUM, JOHN E., US
[71] TECHTRONIC CORDLESS GP, US
[85] 2021-11-04
[86] 2020-05-19 (PCT/US2020/033553)
[87] (WO2020/236787)
[30] US (62/850,234) 2019-05-20

[21] **3,139,333**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01) A61P 35/00 (2006.01) C07K 16/22 (2006.01)**
[25] EN
[54] **STABILIZED FORMULATIONS CONTAINING ANTI-ANGPTL3 ANTIBODIES**
[54] **FORMULATIONS STABILISEES CONTENANT DES ANTICORPS ANTI-ANGPTL3**
[72] LIU, DINGJIANG, US
[72] SKINNER, ANDRIA, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2021-11-04
[86] 2020-05-24 (PCT/US2020/034438)
[87] (WO2020/243031)
[30] US (62/852,643) 2019-05-24

[21] **3,139,334**
[13] A1
[51] **Int.Cl. A01G 9/24 (2006.01) F24F 3/052 (2006.01) F24F 3/056 (2006.01)**
[25] EN
[54] **AIR DISTRIBUTION AND HEAT EXTRACTION FOR PLANT CANOPY**
[54] **DISTRIBUTION D'AIR ET EXTRACTION DE CHALEUR POUR CANOPEE VEGETALE**
[72] BREZA, EMIL V., CA
[72] MATHESON, IAN, CA
[71] AGRICULTRA ADVANCEMENTS INC., CA
[85] 2021-11-05
[86] 2020-05-08 (PCT/CA2020/050630)
[87] (WO2020/227820)
[30] US (62/846,362) 2019-05-10
[30] US (62/933,031) 2019-11-08

[21] **3,139,335**
[13] A1
[51] **Int.Cl. C05G 5/20 (2020.01) A01G 9/20 (2006.01) A01G 9/24 (2006.01) A01G 31/00 (2018.01) C02F 1/46 (2006.01) C02F 1/467 (2006.01) C05C 3/00 (2006.01) C05C 5/00 (2006.01) C25B 1/04 (2021.01) C25B 11/04 (2021.01) A01N 59/00 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **WATER TREATMENT**
[54] **TRAITEMENT DES EAUX**
[72] LEVESQUE, SERGE, CA
[72] GRAHAM, THOMAS, CA
[72] BEJAN, DORIN, CA
[72] LAWSON, JAMIE, CA
[72] DIXON, MIKE, CA
[72] ZHANG, PING, CA
[71] UNIVERSITY OF GUELPH, CA
[85] 2021-11-05
[86] 2020-05-08 (PCT/CA2020/050634)
[87] (WO2020/223824)
[30] US (62/845,302) 2019-05-08
[30] US (62/891,398) 2019-08-25

[21] **3,139,336**
[13] A1
[51] **Int.Cl. A61M 5/145 (2006.01)**
[25] EN
[54] **CARTRIDGE ADAPTER FOR DRUG DELIVERY DEVICE**
[54] **ADAPTATEUR DE CARTOUCHE POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENTS**
[72] FALKOVICH, MARGARITA, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2021-11-04
[86] 2020-05-29 (PCT/US2020/035127)
[87] (WO2020/243434)
[30] US (62/854,411) 2019-05-30

[21] **3,139,337**
[13] A1
[51] **Int.Cl. C12P 7/00 (2006.01) C12M 1/04 (2006.01) C12N 1/00 (2006.01) C12N 1/16 (2006.01) C12N 1/20 (2006.01) C12P 1/00 (2006.01) C12P 7/02 (2006.01) C12P 7/26 (2006.01) C12P 7/40 (2006.01) C12P 7/54 (2006.01)**
[25] EN
[54] **SECONDARY ACETATE FERMENTATION**
[54] **FERMENTATION D'ACETATE SECONDAIRE**
[72] SIMPSON, SEAN DENNIS, US
[72] GAO, ALLAN HAIMING, US
[72] CONRADO, ROBERT JOHN, US
[72] WINKLER, JAMES DANIEL, US
[72] MUELLER, ALEXANDER PAUL, US
[72] BROWN, STEVEN, US
[72] TRAN, LOAN PHUONG, US
[72] KOEPKE, MICHAEL, US
[72] MIHALCEA, CHRISTOPHE DANIEL, US
[71] LANZATECH, INC., US
[85] 2021-11-04
[86] 2020-07-24 (PCT/US2020/043417)
[87] (WO2021/016523)
[30] US (62/878,528) 2019-07-25
[30] US (62/986,940) 2020-03-09

[21] **3,139,338**
[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A61M 11/04 (2006.01)**
[25] EN
[54] **CONVECTION AND CONDUCTION VAPORIZER AND METHOD FOR OPERATING THE SAME**
[54] **VAPORISATEUR DU TYPE A CONVECTION ET A CONDUCTION ET SON PROCEDE DE FONCTIONNEMENT**
[72] JAEGER, ROBERT, DE
[72] MAIER, BERTHOLD, DE
[72] STORZ, MARKUS, DE
[71] CANOPY GROWTH CORPORATION, CA
[85] 2021-11-05
[86] 2020-05-29 (PCT/CA2020/050742)
[87] (WO2020/243822)
[30] US (62/857,311) 2019-06-05

[21] **3,139,339**
[13] A1
[51] **Int.Cl. C01B 21/16 (2006.01) C07C 45/42 (2006.01)**
[25] FR
[54] **IMPROVED PROCESS FOR PREPARING HYDRAZINE HYDRATE WITH OXIME RECYCLING**
[54] **PROCEDE AMELIORE DE PREPARATION D'HYDRATE D'HYDRAZINE AVEC RECYCLAGE OXIME**
[72] SAGE, JEAN-MARC, FR
[71] ARKEMA FRANCE, FR
[85] 2021-11-05
[86] 2020-05-12 (PCT/FR2020/050788)
[87] (WO2020/229773)
[30] FR (1905109) 2019-05-16

[21] **3,139,340**
[13] A1
[51] **Int.Cl. C01B 21/16 (2006.01) C07C 45/42 (2006.01)**
[25] FR
[54] **IMPROVED PROCESS FOR PREPARING HYDRAZINE HYDRATE WITH PYRAZOLINE RECYCLING**
[54] **PROCEDE AMELIORE DE PREPARATION D'HYDRATE D'HYDRAZINE AVEC RECYCLAGE PYRAZOLINE**
[72] SAGE, JEAN-MARC, FR
[71] ARKEMA FRANCE, FR
[85] 2021-11-05
[86] 2020-05-12 (PCT/FR2020/050789)
[87] (WO2020/229774)
[30] FR (1905110) 2019-05-16

[21] **3,139,341**
[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61K 9/19 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **STABLE ALBUVIRTIDE COMPOSITIONS**
[54] **COMPOSITIONS STABLES D'ALBUVIRTIDE**
[72] LU, RONGJIAN, CN
[72] MIN, WENJIE, CN
[71] FRONTIER BIOTECHNOLOGIES INC., CN
[85] 2021-11-05
[86] 2019-05-07 (PCT/CN2019/085892)
[87] (WO2020/223906)

[21] **3,139,342**
[13] A1
[51] **Int.Cl. F16C 17/24 (2006.01) F16C 33/10 (2006.01)**
[25] EN
[54] **GUIDING MEMBER, MECHANICAL SYSTEM COMPRISING SUCH A GUIDING MEMBER, AND METHOD FOR PRODUCING SUCH A GUIDING MEMBER**
[54] **ORGANE DE GUIDAGE, SYSTEME MECANIQUE COMPRENANT UN TEL ORGANE DE GUIDAGE, ET PROCEDE DE FABRICATION D'UN TEL ORGANE DE GUIDAGE**
[72] PROST, FABRICE, FR
[72] PAVALLIER, PIERRICK, FR
[71] HYDROMECANIQUE ET FROTTEMENT, FR
[85] 2021-11-05
[86] 2020-05-15 (PCT/FR2020/050810)
[87] (WO2020/234531)
[30] FR (FR1905390) 2019-05-22

[21] **3,139,343**
[13] A1
[51] **Int.Cl. C07D 498/14 (2006.01) A61K 31/5383 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **CRYSTAL FORM OF PYRIDONE DERIVATIVE, AND PREPARATION METHOD AND USE THERE OF**
[54] **FORME CRISTALLINE D'UN DERIVE DE PYRIDONE, PROCEDE DE PREPARATION CORRESPONDANT ET UTILISATION ASSOCIEE**
[72] SHAO, QING, CN
[72] GAN, LIBIN, CN
[72] CHEN, LI, CN
[71] JIANGXI CAISHI PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[85] 2021-11-05
[86] 2019-11-05 (PCT/CN2019/115641)
[87] (WO2020/224208)
[30] CN (201910381020.0) 2019-05-08

[21] **3,139,344**
[13] A1
[51] **Int.Cl. F16C 17/24 (2006.01) F16C 33/10 (2006.01)**
[25] EN
[54] **MEMBER FOR GUIDING A MOBILE ELEMENT IN OSCILLATION OR ROTATION**
[54] **ORGANE DE GUIDAGE D'UN ELEMENT MOBILE EN OSCILLATION OU ROTATION**
[72] PROST, FABRICE, FR
[72] PAVALLIER, PIERRICK, FR
[71] HYDROMECANIQUE ET FROTTEMENT, FR
[85] 2021-11-05
[86] 2020-05-15 (PCT/FR2020/050818)
[87] (WO2020/234533)
[30] FR (FR1905386) 2019-05-22

[21] **3,139,346**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **ENGINEERED IMMUNE CELL TARGETING BCMA AND USE THEREOF**
[54] **CELLULE IMMUNITAIRE MODIFIEE CIBLANT BCMA ET SON UTILISATION**
[72] ZHANG, HUA, CN
[72] SHI, HUAN, CN
[72] SHEN, LIANJUN, CN
[72] CAO, WEI, CN
[72] LIU, LIPING, CN
[71] GRACELL BIOTECHNOLOGIES (SHANGHAI) CO., LTD., CN
[85] 2021-11-05
[86] 2020-05-06 (PCT/CN2020/088836)
[87] (WO2020/224606)
[30] CN (201910376652.8) 2019-05-07

[21] **3,139,348**
[13] A1
[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01) C07D 403/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS, PREPARATION METHODS AND USES THEREOF**
[54] **COMPOSES HETEROCYCLIQUES, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS**
[72] DAI, XING, CN
[72] WANG, YAOLIN, CN
[72] JIANG, YUEHENG, CN
[72] LIU, YANQIN, CN
[72] SHI, ZHE, CN
[72] WANG, ZHENWU, CN
[72] TAO, LIANGSHAN, CN
[72] HAN, ZIXING, CN
[72] NIU, HAOTAO, CN
[72] WENG, JIFANG, CN
[71] INVENTISBIO CO., LTD., CN
[85] 2021-11-05
[86] 2020-05-20 (PCT/CN2020/091274)
[87] (WO2020/233592)
[30] CN (PCT/CN2019/087772) 2019-05-21
[30] CN (PCT/CN2019/095947) 2019-07-15
[30] CN (PCT/CN2019/123223) 2019-12-05

[21] **3,139,349**
[13] A1
[51] **Int.Cl. F24C 7/02 (2006.01) F24C 15/08 (2006.01)**
[25] EN
[54] **EMBEDDED MICROWAVE OVEN**
[54] **FOUR A MICRO-ONDES INTEGRE**
[72] FENG, LIANGWANG, CN
[72] LI, FENG, CN
[71] GUANGDONG GALANZ ENTERPRISES CO., LTD., CN
[71] GUANGDONG GALANZ MICROWAVE ELECTRICAL APPLIANCES MANUFACTURING CO., LTD., CN
[85] 2021-11-05
[86] 2020-11-20 (PCT/CN2020/130652)
[87] (WO2021/115104)
[30] CN (201911269009.1) 2019-12-11

[21] **3,139,350**
[13] A1
[51] **Int.Cl. F24C 7/02 (2006.01) F24C 15/08 (2006.01)**
[25] EN
[54] **COOKING APPLIANCE WITH MICROWAVE HEATING FUNCTION**
[54] **APPAREIL ELECTRIQUE DE CUISSON A FONCTION DE CHAUFFAGE PAR MICRO-ONDES**
[72] FENG, LIANGWANG, CN
[72] LI, FENG, CN
[71] GUANGDONG GALANZ ENTERPRISES CO., LTD., CN
[71] GUANGDONG GALANZ MICROWAVE ELECTRICAL APPLIANCES MANUFACTURING CO., LTD., CN
[85] 2021-11-05
[86] 2020-11-20 (PCT/CN2020/130653)
[87] (WO2021/115105)
[30] CN (201911269015.7) 2019-12-11

[21] **3,139,352**
[13] A1
[51] **Int.Cl. G16H 30/40 (2018.01) G16H 50/20 (2018.01) G16H 50/70 (2018.01)**
[25] EN
[54] **IDENTIFICATION OF CANDIDATE SIGNS INDICATIVE OF AN NTRK ONCOGENIC FUSION**
[54] **IDENTIFICATION DE SIGNES CANDIDATS INDIQUANT UNE FUSION ONCOGENIQUE NTRK**
[72] SCHMITZ, ARNDT, DE
[72] ELCI, EREN, METIN, DE
[72] STAVROPOULOU, FAIDRA, DE
[72] KACHALA, MIKHAIL, DE
[72] KARLSSON, ANTTI, FI
[72] TUKIAINEN, MIKKO, FI
[71] BAYER CONSUMER CARE AG, CH
[85] 2021-11-05
[86] 2020-04-28 (PCT/EP2020/061665)
[87] (WO2020/229152)
[30] EP (19173832.7) 2019-05-10

[21] **3,139,353**
[13] A1
[51] **Int.Cl. A47C 23/043 (2006.01) A47C 27/06 (2006.01)**
[25] EN
[54] **FURNITURE DEVICE FOR A PIECE OF FURNITURE**
[54] **ARRANGEMENT POUR MEUBLE POUR UNE PIECE DE MOBILIER**
[72] HUBRIG, JORG, DE
[71] SLEEP SMART SOLUTIONS GMBH, DE
[85] 2021-11-05
[86] 2019-05-21 (PCT/EP2019/063130)
[87] (WO2020/233802)

[21] **3,139,354**
[13] A1
[51] **Int.Cl. H01L 21/67 (2006.01) C23C 16/455 (2006.01) H01L 21/02 (2006.01)**
[25] EN
[54] **MOVABLE WORK PIECE CARRIER DEVICE FOR HOLDING WORK PIECES TO BE TREATED**
[54] **DISPOSITIF DE SUPPORT DE PIECE A USINER MOBILE POUR MAINTENIR DES PIECES A USINER A TRAITER**
[72] GWEHENBERGER, JURGEN, CH
[72] KRASSNITZER, SIEGFRIED, AT
[71] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON, CH
[85] 2021-11-05
[86] 2020-05-07 (PCT/EP2020/062768)
[87] (WO2020/225385)
[30] DE (10 2019 111 777.1) 2019-05-07

[21] **3,139,355**
[13] A1
[51] **Int.Cl. A61F 13/20 (2006.01)**
[25] EN
[54] **TAMPON FOR FEMININE HYGIENE**
[54] **TAMPON POUR HYGIENE FEMININE**
[72] BUSCHHAUS, MIRKO, DE
[72] LEYENDECKERS, CHRISTIAN, DE
[72] ROBBE, LIONEL, DE
[72] SPICHARTZ, DOROTHEA, DE
[72] WEINBERGER, MIKE, DE
[72] WINKLER, PETRA, DE
[71] JOHNSON & JOHNSON GMBH, DE
[85] 2021-11-05
[86] 2019-06-21 (PCT/EP2019/066556)
[87] (WO2020/253971)

[21] **3,139,356**
[13] A1
[51] **Int.Cl. C12Q 1/6825 (2018.01)**
[25] EN
[54] **COMBINED SOLUTION PHASE AND SOLID PHASE DNA AMPLIFICATION**
[54] **AMPLIFICATION D'ADN EN PHASE SOLIDE ET EN PHASE SOLUBLE COMBINEE**
[72] DAVIDSON, DAVID ALLAN, GB
[72] WORSLEY, GRAHAM, GB
[72] KILLPACK, JARRETT, GB
[72] REED, SAMUEL, US
[71] DNAE DIAGNOSTICS LTD, GB
[85] 2021-11-02
[86] 2020-05-07 (PCT/GB2020/051122)
[87] (WO2020/225564)
[30] GB (1906461.7) 2019-05-08

[21] **3,139,357**
[13] A1
[51] **Int.Cl. A61K 31/4375 (2006.01) A61K 45/06 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **ARYLQUINOZILINE DERIVATIVES AS ALPHA2-ADRENOCEPTOR SUBTYPE C (ALPHA-2C) ANTAGONISTS FOR THE TREATMENT OF SLEEP APNEA**
[54] **DERIVES D'ARYLQUINOZILINE UTILISES COMME ANTAGONISTES DU SOUS-TYPE C DE L'ADRENOCEPTEUR ALPHA2 (ALPHA-2C) POUR LE TRAITEMENT DE L'APNEE DU SOMMEIL**
[72] DELBECK, MARTINA, DE
[72] HAHN, MICHAEL, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2021-11-05
[86] 2020-05-04 (PCT/EP2020/062268)
[87] (WO2020/225189)
[30] EP (19173586.9) 2019-05-09

[21] **3,139,358**
[13] A1
[51] **Int.Cl. G01R 31/12 (2020.01) H01F 27/28 (2006.01) H01F 30/16 (2006.01) H01F 41/08 (2006.01)**
[25] EN
[54] **HIGH VOLTAGE TRANSFORMER, METHOD FOR PRODUCING A HIGH VOLTAGE TRANSFORMER AND TEST SYSTEM AND TEST SIGNAL DEVICE COMPRISING A HIGH VOLTAGE TRANSFORMER**
[54] **TRANSFORMATEUR HAUTE TENSION, PROCEDE DE FABRICATION D'UN TRANSFORMATEUR HAUTE TENSION AINSI QUE SYSTEME DE VERIFICATION ET DISPOSITIF DE SIGNAL DE VERIFICATION MUNI D'UN TRANSFORMATEUR HAUTE TENSION**
[72] ANGLHUBER, MARTIN, AT
[72] KAUFMANN, REINHARD, AT
[72] BITSCHNAU, LUKAS, AT
[71] OMICRON ELECTRONICS GMBH, AT
[85] 2021-11-05
[86] 2020-05-13 (PCT/EP2020/063299)
[87] (WO2020/229523)
[30] AT (A50429/2019) 2019-05-13

[21] **3,139,359**
[13] A1
[51] **Int.Cl. G16B 35/10 (2019.01) G16B 20/00 (2019.01) G16B 35/20 (2019.01) G16B 40/20 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROTEIN ENGINEERING AND PRODUCTION**
[54] **PROCEDES ET SYSTEMES POUR L'INGENIERIE ET LA PRODUCTION DE PROTEINES**
[72] RICKERBY, HARRISON FREDERICK, GB
[72] FIELD, JAMES EDWARD JOHN, GB
[72] PUTINTSEVA, EKATERINA VICTOROVNA, GB
[72] COZENS, CHRISTOPHER, GB
[71] LABGENIUS LTD, GB
[85] 2021-11-05
[86] 2020-05-11 (PCT/GB2020/051143)
[87] (WO2020/225576)
[30] GB (1906566.3) 2019-05-09

[21] **3,139,360**
[13] A1
[51] **Int.Cl. F41B 5/12 (2006.01) F41B 5/14 (2006.01) F41G 11/00 (2006.01)**
[25] EN
[54] **CROSSBOW ASSEMBLY**
[54] **ENSEMBLE ARBALETE**
[72] LANGLEY, TIMMY, US
[71] BEAR ARCHERY, INC., US
[85] 2021-11-05
[86] 2020-05-04 (PCT/US2020/031330)
[87] (WO2020/227220)
[30] US (62/844,182) 2019-05-07

[21] **3,139,361**
[13] A1
[51] **Int.Cl. A61K 8/03 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **SKINCARE COMPOSITIONS**
[54] **COMPOSITIONS DE SOIN DE LA PEAU**
[72] KELLY, MATTHEW, GB
[72] COCKING, JULIAN RICHARD, GB
[72] SISSON, HELEN, GB
[71] THE BOOTS COMPANY PLC, GB
[85] 2021-11-05
[86] 2020-07-23 (PCT/EP2020/025342)
[87] (WO2021/013384)
[30] EP (19020443.8) 2019-07-24

[21] **3,139,362**
[13] A1
[51] **Int.Cl. H02J 3/24 (2006.01) H02J 3/46 (2006.01)**
[25] EN
[54] **MULTI-CHANNEL FCR: METHOD AND SYSTEM FOR PROVIDING CONTROL POWER FOR CONTROLLING A NETWORK FREQUENCY OF A POWER NETWORK AND POWER NETWORK**
[54] **PRL MULTICANAL : PROCEDE ET SYSTEME POUR LA FOURNITURE D'UNE PUISSANCE DE REGLAGE POUR LE REGLAGE D'UN FREQUENCE DE RESEAU D'UN RESEAU ELECTRIQUE AINSI QUE RESEAU ELECTRIQUE**
[72] HAUCK, HERIBERT, DE
[71] TRIMET ALUMINIUM SE, DE
[85] 2021-11-05
[86] 2020-04-14 (PCT/EP2020/060402)
[87] (WO2020/229072)
[30] EP (19174037.2) 2019-05-13

[21] **3,139,365**
[13] A1
[51] **Int.Cl. C07D 279/12 (2006.01) A61P 31/20 (2006.01) C07D 417/04 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS**
[54] **COMPOSES HETEROCYCLIQUES**
[72] VENDEVILLE, SANDRINE, US
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, US
[71] ALIGOS THERAPEUTICS, INC., US
[85] 2021-11-04
[86] 2020-06-03 (PCT/US2020/035929)
[87] (WO2020/247504)
[30] US (62/858,236) 2019-06-06

[21] **3,139,367**
[13] A1
[51] **Int.Cl. G01N 30/34 (2006.01) G01N 30/86 (2006.01)**
[25] EN
[54] **MIXTURE OF ISOMERS OF AMINAPHTONE, ANALYTICAL METHOD FOR IDENTIFYING THEM AND PHARMACEUTICAL COMPOSITION COMPRISING SAID ISOMERS**
[54] **MELANGE D'ISOMERES D'AMINAPHTONE, PROCEDE ANALYTIQUE POUR LES IDENTIFIER ET COMPOSITION PHARMACEUTIQUE COMPRENANT LESDITS ISOMERES**
[72] BALDACCI, MASSIMO, IT
[71] LABORATORI BALDACCI S.P.A., IT
[85] 2021-11-05
[86] 2020-05-05 (PCT/EP2020/062464)
[87] (WO2020/225264)
[30] IT (102019000006572) 2019-05-06

[21] **3,139,368**
[13] A1
[51] **Int.Cl. B21D 22/28 (2006.01) B21D 51/44 (2006.01) B65D 41/62 (2006.01)**
[25] FR
[54] **PROCEDE DE FABRICATION DE CAPSULES LONGUES DE BOUCHAGE METALLIQUES COMPRNG A CONSTANT THICKNESS**
[54] **METHOD FOR MANUFACTURING LONG METAL STOPPER CAPS COMPRISING A SKIRT HAVING A CONSTANT THICKNESS**
[72] STOPPIGLIA, HERVE, FR
[72] DEBREUX, REGINE, FR
[72] LAE, EMILIE, FR
[71] CONSTELLIUM ROLLED PRODUCTS SINGEN GMBH & CO., DE
[85] 2021-11-05
[86] 2020-05-06 (PCT/EP2020/062546)
[87] (WO2020/225288)
[30] FR (FR1904810) 2019-05-09
[30] FR (FR1912577) 2019-11-08

[21] **3,139,369**
[13] A1
[51] **Int.Cl. H02J 3/38 (2006.01)**
[25] EN
[54] **PHOTOVOLTAIC AIR CONDITIONING SYSTEM STARTING METHOD, CONTROLLER, AND PHOTOVOLTAIC AIR CONDITIONING SYSTEM**
[54] **PROCEDE DE DEMARRAGE DE SYSTEME DE CLIMATISATION PHOTOVOLTAIQUE, DISPOSITIF DE COMMANDE ET SYSTEME DE CLIMATISATION PHOTOVOLTAIQUE**
[72] QU, DONGRUI, CN
[72] CHEN, NINGNING, CN
[72] WEN, WU, CN
[72] YU, XIANQIAO, CN
[72] XIAO, ZUNHUI, CN
[71] GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI, CN
[85] 2021-08-24
[86] 2020-07-08 (PCT/CN2020/100880)
[87] (WO2021/057178)
[30] CN (201910914738.1) 2019-09-26

[21] **3,139,371**
[13] A1
[51] **Int.Cl. A61K 39/44 (2006.01) C12N 15/115 (2010.01) A61K 47/54 (2017.01) A61K 47/69 (2017.01) A61K 39/00 (2006.01)**
[25] EN
[54] **GOLD NANOPARTICLE-APTAMER CONJUGATE-BASED ANTIBODY DELIVERY SYSTEM, AND PREPARATION METHOD THEREOF**
[54] **SYSTEME D'ADMINISTRATION D'ANTICORPS BASE SUR UN CONJUGUE NANOPARTICULE D'OR-APTAMERE ET SON PROCEDE DE PREPARATION**
[72] LEE, KANG SEOK, KR
[72] BAE, JEE HYEON, KR
[72] YEOM, JI-HYUN, KR
[72] SHIN, EUNKYOUNG, KR
[72] JOO, MIN JU, KR
[72] HA, HYE JEONG, KR
[71] NES BIOTECHNOLOGY., LTD., KR
[85] 2021-11-02
[86] 2019-09-11 (PCT/KR2019/011838)
[87] (WO2020/246660)
[30] KR (10-2019-0066491) 2019-06-05

[21] **3,139,373**
[13] A1
[51] **Int.Cl. G06Q 50/12 (2012.01)**
[25] EN
[54] **RECEPTION SYSTEM, RECEPTION METHOD, AND PROGRAM**
[54] **SYSTEME DE RECEPTION, PROCEDE DE RECEPTION ET SUPPORT NON TEMPORAIRE LISIBLE PAR ORDINATEUR POUR LE STOCKAGE DU PROGRAMME**
[72] MATSUMOTO, TERUOKI, JP
[72] SAKAMOTO, HIROSHI, JP
[72] KAKINAGA, NAOMI, JP
[72] OTSUKA, KIYOKAZU, JP
[71] NEC PLATFORMS, LTD., JP
[85] 2021-10-29
[86] 2020-02-20 (PCT/JP2020/006662)
[87] (WO2021/131085)
[30] JP (2019-231084) 2019-12-23

[21] **3,139,377**
[13] A1
[51] **Int.Cl. G08G 1/01 (2006.01) G08G 1/08 (2006.01) G08G 1/081 (2006.01)**
[25] EN
[54] **TRAFFIC CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DU TRAFIC**
[72] HOWELL, SHAUN, GB
[72] KNUTINS, MAKSIS, GB
[72] PATEL, RUSHEN, GB
[71] VIVACITY LABS LIMITED, GB
[85] 2021-11-05
[86] 2020-03-27 (PCT/GB2020/050832)
[87] (WO2020/225523)
[30] GB (1906494.8) 2019-05-08

[21] **3,139,378**
[13] A1
[51] **Int.Cl. A61K 31/4025 (2006.01) A61P 35/00 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **NEW THERAPEUTIC VECTORS AND PRODRUGS FOR TREATING CANCERS**
[54] **NOUVEAUX VECTEURS THERAPEUTIQUES ET PROMEDICAMENTS POUR LE TRAITEMENT DE CANCERS**
[72] PAPOT, SEBASTIEN, FR
[72] RENOUX, BRIGITTE, FR
[72] CHATRE, REMI, FR
[71] SEEKYO, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2021-11-05
[86] 2020-05-06 (PCT/EP2020/062617)
[87] (WO2020/225323)
[30] EP (19305574.6) 2019-05-06

[21] **3,139,379**
[13] A1
[51] **Int.Cl. A61B 17/11 (2006.01)**
[25] EN
[54] **APPARATUSES FOR ANASTOMOSIS OF TUBULAR VESSELS AND RELATED METHODS**
[54] **APPAREILS D'ANASTOMOSE DE VAISSEAUX TUBULAIRES ET METHODES ASSOCIEES**
[72] HAYAKAWA, THOMAS EDWARD JO, CA
[72] RICKEY, DANIEL WILLIAM, CA
[71] EASYFLOMICRO INC., CA
[85] 2021-11-05
[86] 2020-05-05 (PCT/IB2020/000358)
[87] (WO2020/225603)
[30] US (62/844,396) 2019-05-07

[21] **3,139,380**
[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/51 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING NANOPARTICLES**
[54] **PROCEDE DE PRODUCTION DE NANOPARTICULES**
[72] HORSTKOTTE, ELKE, DE
[72] MUHLHOLZL-ODORFER, KATHRIN, DE
[72] VOGLER, JULIAN, DE
[71] LEON-NANODRUGS GMBH, DE
[85] 2021-11-05
[86] 2020-05-18 (PCT/EP2020/063852)
[87] (WO2020/229702)
[30] DE (10 2019 112 956.7) 2019-05-16

[21] **3,139,381**
[13] A1
[51] **Int.Cl. B62J 9/21 (2020.01) B62J 9/23 (2020.01) B62J 9/27 (2020.01) B62J 11/04 (2020.01)**
[25] EN
[54] **MODULAR BAG FOR BICYCLES AND THE LIKE**
[54] **SACOCHE MODULAIRE POUR BICYCLETTES ET SIMILAIRES**
[72] BIGOLIN, BARBARA, IT
[72] VILLA, UGO, IT
[71] BROOKS ENGLAND LIMITED, GB
[85] 2021-11-05
[86] 2020-04-06 (PCT/IB2020/053258)
[87] (WO2020/225617)
[30] IT (102019000006695) 2019-05-09

[21] **3,139,383**
[13] A1
[51] **Int.Cl. A47J 36/02 (2006.01)**
[25] FR
[54] **CULINARY ARTICLE COMPRISING AN ALUMINUM CAP**
[54] **ARTICLE CULINAIRE COMPORTANT UNE CALOTTE EN ALUMINIUM**
[72] AUBIN, LAURENT, FR
[71] SEB S.A., FR
[85] 2021-11-05
[86] 2020-05-19 (PCT/EP2020/064010)
[87] (WO2020/234322)
[30] FR (FR1905455) 2019-05-23

[21] **3,139,384**
[13] A1
[51] **Int.Cl. A01G 9/029 (2018.01) A01G 9/02 (2018.01)**
[25] EN
[54] **A VASE FOR PLANTS OR SHRUBS**
[54] **VASE POUR PLANTES OU ARBUSTES**
[72] MANNONI, GIORGIO, MT
[71] MANNONI, GIORGIO, MT
[85] 2021-11-05
[86] 2020-05-06 (PCT/IB2020/054281)
[87] (WO2020/225744)
[30] IT (102019000006636) 2019-05-08

[21] **3,139,388**
[13] A1
[51] **Int.Cl. B25B 13/04 (2006.01) B25B 13/06 (2006.01) B25B 13/58 (2006.01) B25B 27/02 (2006.01) B25B 27/14 (2006.01) B25B 27/18 (2006.01)**
[25] EN
[54] **ANTI-SLIP TORQUE TOOL WITH INTEGRATED ENGAGEMENT FEATURES**
[54] **OUTIL DE COUPLE ANTIDERAPANT A ELEMENTS DE MISE EN PRISE INTEGRES**
[72] KUKUCKA, PAUL, US
[72] KUKUCKA, THOMAS STEFAN, US
[71] GRIP HOLDINGS LLC, US
[85] 2021-11-05
[86] 2020-05-11 (PCT/IB2020/054453)
[87] (WO2020/225800)
[30] US (62/845,731) 2019-05-09

[21] **3,139,391**
[13] A1
[51] **Int.Cl. B65D 75/20 (2006.01) B65B 11/54 (2006.01) B65B 25/00 (2006.01) B65D 85/60 (2006.01) B65B 61/18 (2006.01)**
[25] EN
[54] **PACKAGE FOR A FOODSTUFF PRODUCT AND PROCESS FOR MAKING A PACKAGE FOR FOODSTUFF PRODUCTS**
[54] **EMBALLAGE POUR PRODUIT ALIMENTAIRE ET PROCEDE DE FABRICATION D'UN EMBALLAGE POUR PRODUITS ALIMENTAIRES**
[72] RIOLFO, NICOLA, IT
[71] SOREMARTEC S.A., LU
[85] 2021-11-05
[86] 2020-05-13 (PCT/IB2020/054526)
[87] (WO2020/230048)
[30] IT (102019000006829) 2019-05-14

[21] **3,139,392**
[13] A1
[51] **Int.Cl. H04B 7/06 (2006.01) H04W 16/28 (2009.01) H04W 72/04 (2009.01) H04W 88/02 (2009.01)**
[25] EN
[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
[72] MATSUMURA, YUKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
[85] 2021-11-05
[86] 2019-05-10 (PCT/JP2019/018835)
[87] (WO2020/230217)

[21] **3,139,397**
[13] A1
[51] **Int.Cl. B29C 49/80 (2006.01) B29C 31/08 (2006.01) B29C 37/00 (2006.01) G01N 21/90 (2006.01) G01N 25/72 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TESTING PREFORMS**
[54] **PROCEDE ET DISPOSITIF DE CONTROLE DE PREFORMES**
[72] SCHONHOFF, KLAUS, DE
[72] RICK, MICHAEL, DE
[72] FUHRMANN, GERD, DE
[72] LENZEN, MATTHIAS, DE
[71] INTRAVIS GESELLSCHAFT FUR LIEFERUNGEN UND LEISTUNGEN VON BILDGEBENDEN UND BILDVERARBEITENDEN ANLAGEN UND VERFAHREN MBH, DE
[85] 2021-11-05
[86] 2020-06-29 (PCT/EP2020/068184)
[87] (WO2021/004819)
[30] DE (10 2019 118 728.1) 2019-07-10

[21] **3,139,398**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 25/28 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-EPHA4 ANTIBODY**
[54] **ANTICORPS ANTI-EPHA4**
[72] INOUE, EIJI, JP
[72] YAMADA, AKIO, JP
[72] KAWAKATSU, TOMOMI, JP
[72] IMAI, TOSHIO, JP
[72] DEGUCHI, MAKI, JP
[72] NAKATANI, AKI, JP
[71] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2021-11-05
[86] 2020-06-29 (PCT/JP2020/025465)
[87] (WO2021/002312)
[30] JP (2019-122982) 2019-07-01

[21] **3,139,402**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/06 (2006.01) C07K 16/28 (2006.01) C07K 16/36 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **VARIANT DOMAINS FOR MULTIMERIZING PROTEINS AND SEPARATION THEREOF**
[54] **DOMAINES VARIANTS POUR LA MULTIMERISATION DE PROTEINES ET LEUR SEPARATION**
[72] DE KRUIF, CORNELIS ADRIAAN, NL
[72] SILVERMAN, PETER BRIAN, NL
[72] BONNEAU, RICHARD, NL
[71] MERUS N.V., NL
[85] 2021-11-08
[86] 2020-05-08 (PCT/NL2020/050298)
[87] (WO2020/226502)
[30] EP (19173633.9) 2019-05-09

[21] **3,139,404**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06F 16/50 (2019.01)**
[25] EN
[54] **COORDINATION ASSISTING SERVER AND COORDINATION ASSISTING SYSTEM**
[54] **SERVEUR D'ASSISTANCE A LA COORDINATION DE TENUE ET SYSTEME D'ASSISTANCE A LA COORDINATION DE TENUE**
[72] MATSUYAMA, SHINYA, JP
[72] FUNAI, YOHEI, JP
[72] MASUKO, YOSUKE, JP
[72] MORI, TETSUYA, JP
[72] WATANABE, YUSAKU, JP
[71] FAST RETAILING CO., LTD., JP
[85] 2021-11-05
[86] 2020-07-28 (PCT/JP2020/028777)
[87] (WO2021/059723)
[30] JP (2019-176326) 2019-09-27

[21] **3,139,405**
[13] A1
[51] **Int.Cl. A23J 1/00 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **STABILIZATION OF TUBER PROTEIN**
[54] **STABILISATION DE PROTEINE DE TUBERCULE**
[72] SPELBRINK, ROBIN ERIC JACOBUS, NL
[72] WILBRINK, MAARTEN HOTSE, NL
[71] COOPERATIE KONINKLIJKE AVEBE U.A., NL
[85] 2021-11-05
[86] 2020-05-25 (PCT/NL2020/050334)
[87] (WO2020/242300)
[30] EP (19176594.0) 2019-05-24

[21] **3,139,407**
[13] A1
[51] **Int.Cl. A23J 1/00 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **DIAFILTRATION**
[54] **DIAFILTRATION**
[72] HABEYCH NARVAEZ, DAVID IGNACIO, NL
[72] TJALMA, LIBBE FOEKES, NL
[72] SPELBRINK, ROBIN ERIC JACOBUS, NL
[72] LAUS, MARC CHRISTIAAN, NL
[71] COOPERATIE KONINKLIJKE AVEBE U.A., NL
[85] 2021-11-05
[86] 2020-05-25 (PCT/NL2020/050336)
[87] (WO2020/242302)
[30] NL (2023197) 2019-05-24

[21] **3,139,408**
[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01) A47B 47/00 (2006.01) A47B 49/00 (2006.01) A47K 11/00 (2006.01) E05B 49/00 (2006.01) G07F 17/00 (2006.01) E04H 1/12 (2006.01)**
[25] EN
[54] **PAY TOILET USAGE CONTROL DEVICE, PAY TOILET SYSTEM, AND PAY TOILET USAGE CONTROL PROGRAM**
[54] **DISPOSITIF DE COMMANDE D'UTILISATION DE TOILETTES PAYANTES, SYSTEME DE TOILETTES PAYANTES ET PROGRAMME DE COMMANDE D'UTILISATION DE TOILETTES PAYANTES**
[72] ADACHI, KANICHI, JP
[71] EXCELSIOR INC., JP
[85] 2021-11-05
[86] 2021-01-05 (PCT/JP2021/000082)
[87] (WO2021/125363)

[21] **3,139,409**
[13] A1
[51] **Int.Cl. A61H 1/00 (2006.01) A61H 23/02 (2006.01) A61H 23/04 (2006.01) A61M 15/08 (2006.01) A61M 16/06 (2006.01)**
[25] EN
[54] **THERAPEUTIC DEVICE FOR TREATMENT OF CONDITIONS RELATING TO THE SINUSES, NASAL CAVITIES, EAR, NOSE AND THROAT**
[54] **DISPOSITIF THERAPEUTIQUE POUR LE TRAITEMENT D'ETATS RELATIFS AUX SINUS, AUX CAVITES NASALES, A L'OREILLE, AU NEZ ET A LA GORGE**
[72] BOGAN, RICHARD K., US
[72] LEWIS, DAVID J., US
[72] PINCKNEY, CALEB, US
[72] BONNER, DAVID, US
[72] MALONEY, MICHAEL, CA
[71] HEALTHY HUMMING, LLC, US
[85] 2021-11-05
[86] 2019-05-07 (PCT/US2019/031097)
[87] (WO2020/226629)

[21] **3,139,410**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **INCREASING RESPONSES TO CHECKPOINT INHIBITORS BY EXTRACORPOREAL APHERESIS**
[54] **AUGMENTATION DE REPONSES A DES INHIBITEURS DE POINTS DE CONTROLE PAR APHERESE EXTRACORPORELLE**
[72] ICHIM, THOMAS EMANUEL, US
[72] JOSEPHS, STEVEN FRANCIS, US
[72] PRINCE, STEPHEN MICHAEL, US
[72] JAFRI, AMIR, US
[72] SEGAL, ROBERT, US
[72] SCHLOTTERBECK, DAVID L., US
[71] IMMUNICOM, INC., US
[85] 2021-11-05
[86] 2019-05-07 (PCT/US2019/031184)
[87] (WO2020/226633)

[21] **3,139,411**
[13] A1
[51] **Int.Cl. A23L 33/17 (2016.01) A61K 8/64 (2006.01) A61K 38/00 (2006.01) A61P 29/00 (2006.01) A61Q 19/00 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **NOVEL PEPTIDE COMPOUND OR PHARMACEUTICALLY ACCEPTABLE SALT THEREOF**
[54] **NOUVEAU COMPOSE PEPTIDIQUE OU SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CELUI-CI**
[72] KIM, YOO SEOK, KR
[72] KIM, MYOUNG HWAN, KR
[72] KIM, YOUNG IN, KR
[72] LIM, TAEK JOO, KR
[72] LIM, HYEONG JOON, KR
[72] KIM, JEE YOUNG, KR
[72] PARK, EUN YOUNG, KR
[71] EYEBIO KOREA, KR
[85] 2021-11-05
[86] 2020-05-20 (PCT/KR2020/006594)
[87] (WO2020/235932)
[30] KR (10-2019-0059628) 2019-05-21

[21] **3,139,416**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) C07K 14/475 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **EPHB4-EPHRIN B2 RECEPTOR LIGAND PAIR AS A NOVEL MARKER FOR THE TREATMENT OF PROSTATE CANCER**
[54] **PAIRE DE LIGANDS DU RECEPTEUR EPHB4-EPHRINE B2 EN TANT QUE NOUVEAU MARQUEUR POUR LE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] KRASNOPEROV, VALERY, US
[71] VASGENE THERAPEUTICS INC, US
[85] 2021-11-05
[86] 2020-02-13 (PCT/US2020/018160)
[87] (WO2020/168110)
[30] US (62/805,291) 2019-02-13

[21] **3,139,417**
[13] A1
[51] **Int.Cl. B60B 11/02 (2006.01) B60B 7/04 (2006.01) B60B 7/06 (2006.01)**
[25] EN
[54] **VEHICLE WHEELS, METHODS OF MAKING VEHICLE WHEELS, AND DUAL WHEEL ASSEMBLIES**
[54] **ROUES DE VEHICULE, PROCEDES DE FABRICATION DE ROUES DE VEHICULE ET ENSEMBLES ROUES JUMELEES**
[72] WALLACE, SPENCER, US
[71] HOWMET AEROSPACE INC., US
[85] 2021-11-05
[86] 2020-02-26 (PCT/US2020/019799)
[87] (WO2020/242549)
[30] US (62/852,496) 2019-05-24

[21] **3,139,418**
[13] A1
[51] **Int.Cl. G07C 9/28 (2020.01) H04W 12/06 (2021.01) H04W 12/08 (2021.01) G07C 9/20 (2020.01) G07C 9/22 (2020.01) G07C 9/25 (2020.01) G07B 15/02 (2011.01) G07C 9/00 (2020.01)**
[25] EN
[54] **FOR MANAGING ACCESS TO A RESTRICTED SITE WITH A BARRIER AND/OR BARRIERLESS AND DETECTING ENTRY**
[54] **GESTION D'ACCES A UN SITE RESTREINT DOTE D'UNE BARRIERE ET/OU SANS BARRIERE, ET DETECTION D'ENTREE**
[72] LUONGO, JOHN, US
[72] HENDRY, COLLEEN K., US
[72] MAJERNIK, MARCEL, SK
[72] BEBLAVY, DUSAN, SK
[72] HRICKO, JAN, SK
[71] SIGHTPAS LLC., US
[85] 2021-11-05
[86] 2020-04-15 (PCT/US2020/028306)
[87] (WO2020/226863)
[30] US (62/844,336) 2019-05-07

[21] **3,139,441**
[13] A1
[51] **Int.Cl. G05B 15/02 (2006.01) G05B 23/02 (2006.01)**
[25] EN
[54] **HVAC SERVICE PERFORMANCE**
[54] **PERFORMANCE DE SERVICE CVAC**
[72] PICARDI, ROBERT NATHAN, US
[72] TRUNDLE, STEPHEN SCOTT, US
[71] ALARM.COM INCORPORATED, US
[85] 2021-07-20
[86] 2020-01-24 (PCT/US2020/015014)
[87] (WO2020/154636)
[30] US (62/796,227) 2019-01-24

[21] **3,139,442**
[13] A1
[51] **Int.Cl. G21C 19/10 (2006.01) G21C 19/20 (2006.01)**
[25] EN
[54] **BOILING WATER REACTOR BLADE GUIDE AND EXCHANGE TOOL**
[54] **OUTIL DE GUIDAGE ET D'ECHANGE DE LAME DE REACTEUR A EAU BOUILLANTE**
[72] OSTRANDER, KRISTOFFER, US
[72] WHITLING, ROBERT W., US
[72] SMITH, BRIAN J., US
[71] GE-HITACHI NUCLEAR ENERGY AMERICAS LLC, US
[85] 2021-11-05
[86] 2020-04-30 (PCT/US2020/030730)
[87] (WO2020/231639)
[30] US (16/412,979) 2019-05-15

[21] **3,139,443**
[13] A1
[51] **Int.Cl. A61K 9/08 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **OXYMETAZOLINE COMPOSITIONS AND METHODS FOR TREATING OCULAR DISORDERS**
[54] **COMPOSITIONS D'OXYMETAZOLINE ET PROCEDES DE TRAITEMENT DE TROUBLES OCULAIRES**
[72] DEVRIES, TINA, US
[72] JACOBS, DAVID, US
[71] RVL PHARMACEUTICALS, INC., US
[85] 2021-11-05
[86] 2020-05-05 (PCT/US2020/031425)
[87] (WO2020/227260)
[30] US (62/843,819) 2019-05-06
[30] US (62/844,069) 2019-05-06
[30] US (16/715,998) 2019-12-16
[30] US (16/716,014) 2019-12-16

[21] **3,139,444**
[13] A1
[51] **Int.Cl. B65B 13/02 (2006.01) B21F 9/02 (2006.01) B26D 7/14 (2006.01) B65B 13/22 (2006.01) B65B 13/24 (2006.01) B65B 25/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR TENSIONING A CABLE LACING TAPE DEVICE**
[54] **APPAREIL PERMETTANT DE TENDRE UN DISPOSITIF DE RUBAN D'ENTRELACEMENT DE CABLES**
[72] FILDES, TREVOR D., US
[72] TYRRELL, JAMES W., US
[72] EATON, EDWARD T., US
[72] ZANTOUT, ALAN E., US
[72] WEIBY, MICHAEL R., US
[72] HOFFMAN, RANDAL E., US
[71] DANIELS MANUFACTURING CORPORATION, US
[85] 2021-11-05
[86] 2020-05-05 (PCT/US2020/031434)
[87] (WO2020/227265)
[30] US (16/404,336) 2019-05-06

[21] **3,139,446**
[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR FACIAL RECOGNITION**
[54] **PROCEDES ET APPAREIL DE RECONNAISSANCE FACIALE**
[72] TRANI, JAMES, US
[72] DUNLAP, DAVID DOUGLAS, US
[71] STONE LOCK GLOBAL, INC., US
[85] 2021-11-05
[86] 2020-05-05 (PCT/US2020/031483)
[87] (WO2020/227300)
[30] US (16/404,386) 2019-05-06

[21] **3,139,464**
[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/00 (2006.01) A61P 31/04 (2006.01) C12N 9/12 (2006.01)**
[25] EN
[54] **POLYPEPTIDE HAVING ANTIBACTERIAL ACTIVITY, COMPOSITION FOR PREVENTING OR TREATING SEPSIS COMPRISING SAME, AND ANTIBACTERIAL COMPOSITION**
[54] **POLYPEPTIDE AYANT UNE ACTIVITE ANTIBACTERIENNE, COMPOSITION POUR LA PREVENTION OU LE TRAITEMENT DE LA SEPTICEMIE COMPRENANT CELUI-CI, ET COMPOSITION ANTIBACTERIENNE**
[72] PARK, YEONG MIN, KR
[72] KIM, YANGMEE, KR
[72] JUNG, IN DUK, KR
[72] LEE, SEUNG-HYUN, KR
[71] DANDI BIOSCIENCE INC., KR
[85] 2021-08-16
[86] 2020-02-27 (PCT/KR2020/002826)
[87] (WO2020/175936)
[30] KR (10-2019-0023534) 2019-02-28
[30] KR (10-2020-0023629) 2020-02-26

[21] **3,139,499**
[13] A1
[51] **Int.Cl. G01C 21/00 (2006.01) G01S 17/06 (2006.01)**
[25] EN
[54] **MOBILITY PLATFORM FOR AUTONOMOUS NAVIGATION OF CONSTRUCTION SITES**
[54] **PLATE-FORME DE MOBILITE POUR NAVIGATION AUTONOME DE CHANTIERS DE CONSTRUCTION**
[72] MORSE, DERRICK, US
[72] DINIZ, GIOVANI, US
[71] RUGGED ROBOTICS INC., US
[85] 2021-11-05
[86] 2020-05-05 (PCT/US2020/031524)
[87] (WO2020/227323)
[30] US (62/843,815) 2019-05-06

[21] **3,139,500**
[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61M 39/00 (2006.01)**
[25] EN
[54] **FLUSHING CATHETER**
[54] **CATHETER DE RINCAGE**
[72] LOCKHART, KATHLEEN, US
[71] PENUMBRA, INC., US
[85] 2021-11-05
[86] 2020-05-05 (PCT/US2020/031534)
[87] (WO2020/242735)
[30] US (16/424,969) 2019-05-29

[21] **3,139,501**
[13] A1
[51] **Int.Cl. E02F 9/20 (2006.01) E02F 9/26 (2006.01)**
[25] EN
[54] **LOCALIZED NAVIGATION SYSTEM CONTROLLER FOR POWER MACHINE**
[54] **DISPOSITIF DE COMMANDE DE SYSTEME DE NAVIGATION LOCALISEE POUR MACHINE ELECTRIQUE**
[72] CHANG, YIZHE, US
[72] GONZALEZ, ROBERT J., US
[72] SHI, JINGNAN, CN
[72] PONGPIRIYAKARN, SIRAPATSORN, TH
[72] BORJA, FELIPE, US
[72] LEE, CHI-YEN, TW
[72] MALENO, MAXWELL, US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2021-11-05
[86] 2020-05-06 (PCT/US2020/031644)
[87] (WO2020/227387)
[30] US (62/844,494) 2019-05-07

[21] **3,139,502**
[13] A1
[51] **Int.Cl. F16L 55/04 (2006.01) E21B 21/01 (2006.01)**
[25] EN
[54] **MINI-DAMPENERS AT PUMP COMBINED WITH SYSTEM PULSATION DAMPENER**
[54] **MINI-AMORTISSEURS AU NIVEAU D'UNE POMPE COMBINES A UN AMORTISSEUR DE PULSATIONS DE SYSTEME**
[72] ROGERS, JOHN THOMAS, US
[71] PERFORMANCE PULSATION CONTROL, INC., US
[85] 2021-11-05
[86] 2020-05-06 (PCT/US2020/031698)
[87] (WO2020/227423)
[30] US (16/404,248) 2019-05-06
[30] US (62/866,501) 2019-06-25
[30] US (16/730,621) 2019-12-30

[21] **3,139,505**
[13] A1
[51] **Int.Cl. G06F 11/00 (2006.01)**
[25] EN
[54] **PLATFORM FOR FACILITATING DEVELOPMENT OF INTELLIGENCE IN AN INDUSTRIAL INTERNET OF THINGS SYSTEM**
[54] **PLATE-FORME POUR FACILITER LE DEVELOPPEMENT D'UNE INTELLIGENCE DANS UN SYSTEME DE L'INTERNET DES OBJETS INDUSTRIEL**
[72] CELLA, CHARLES H., US
[72] EL-TAHRY, TEYMOUR S., US
[71] STRONG FORCE IOT PORTFOLIO 2016, LLC, US
[85] 2021-11-05
[86] 2020-05-06 (PCT/US2020/031706)
[87] (WO2020/227429)
[30] US (62/843,798) 2019-05-06
[30] US (16/700,413) 2019-12-02
[30] US (16/741,470) 2020-01-13
[30] US (62/969,629) 2020-02-03
[30] US (16/868,018) 2020-05-06

[21] **3,139,507**
[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS TARGETING GLYPICAN-2**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES CIBLANT LE GLYPICANE-2**
[72] HEITZENEDER, SABINE, US
[72] MAJZNER, ROBBIE G., US
[72] MACKALL, CRYSTAL L., US
[72] MARIS, JOHN M., US
[72] BOSSE, KRISTOPHER R., US
[72] DIMITROV, DIMITER S., US
[72] ZHU, ZHONGYU, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNVERSITY, US
[71] THE CHILDREN' HOSPITAL OF PHILADELPHIA, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2021-11-05
[86] 2020-05-06 (PCT/US2020/031729)
[87] (WO2020/227447)
[30] US (62/844,695) 2019-05-07

[21] **3,139,508**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR MODULATING T CELL MEDIATED IMMUNITY**
[54] **MATIERES ET METHODES POUR MODULER L'IMMUNITE MEDIEE PAR LES LYMPHOCYTES T**
[72] GANESAN, RAJKUMAR, US
[72] GREWAL, IQBAL S., US
[72] SINGH, SANJAYA, US
[71] JANSSEN BIOTECH, INC., US
[85] 2021-11-05
[86] 2020-05-07 (PCT/US2020/031749)
[87] (WO2020/227457)
[30] US (62/844,966) 2019-05-08
[30] US (62/844,970) 2019-05-08
[30] US (62/844,959) 2019-05-08
[30] US (62/844,976) 2019-05-08
[30] US (62/844,995) 2019-05-08

[21] **3,139,509**
[13] A1
[51] **Int.Cl. B65D 88/52 (2006.01) B65D 90/08 (2006.01)**
[25] EN
[54] **COLLAPSIBLE SHIPPING CONTAINER**
[54] **CONTENEUR D'EXPEDITION PLIABLE**
[72] SCHOUTEN, JAN PAUL, CA
[71] SCHOUTEN, JAN PAUL, CA
[85] 2021-11-04
[86] 2020-05-25 (PCT/CA2020/050707)
[87] (WO2020/237362)
[30] US (62/853,355) 2019-05-28

[21] **3,139,510**
[13] A1
[51] **Int.Cl. G06F 9/50 (2006.01) G06F 9/54 (2006.01)**
[25] EN
[54] **DYNAMIC DISTRIBUTION OF CONTAINER IMAGES**
[54] **DISTRIBUTION DYNAMIQUE D'IMAGES DE CONTENEUR**
[72] LYNCH, FRANK, US
[72] WAKELING, TIM, US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2021-11-05
[86] 2020-05-07 (PCT/US2020/031772)
[87] (WO2020/227467)
[30] US (62/844,430) 2019-05-07
[30] US (16/656,886) 2019-10-18

[21] **3,139,511**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01) A01B 49/00 (2006.01) A01B 59/00 (2006.01) A01C 1/00 (2006.01) A01C 5/00 (2006.01) A01C 9/00 (2006.01) A01G 7/00 (2006.01)**
[25] EN
[54] **SEED ORIENTATION SYSTEM FOR AGRICULTURAL PLANTERS**
[54] **SYSTEME D'ORIENTATION DE GRAINES POUR PLANTEUSES AGRICOLES**
[72] DILLE, MITCHELL R., US
[72] STRANG, KEITH T., US
[71] MK1 ENGINEERING LLC, US
[85] 2021-11-05
[86] 2020-05-08 (PCT/US2020/032185)
[87] (WO2020/227670)
[30] US (62/845,093) 2019-05-08
[30] US (62/885,965) 2019-08-13

[21] **3,139,512**
[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01)**
[25] EN
[54] **CD123 TARGETED IMMUNOTHERAPIES**
[54] **IMMUNOTHERAPIES CIBLANT CD123**
[72] JARJOUR, JORDAN, US
[72] POGSON, MARK, US
[72] LEUNG, WAI-HANG, US
[72] MACEDO, CHELSIE, US
[72] JONES, KYLE, US
[72] CRAGO, WILLIAM, US
[72] HOLLANDS, ANDREW, US
[72] MA, MILTON, US
[72] TIMMER, JOHN C., US
[72] ECKELMAN, BRENDAN P., US
[71] INHIBRX, INC., US
[71] 2SEVENTY BIO, INC., US
[85] 2021-11-05
[86] 2020-05-07 (PCT/US2020/031794)
[87] (WO2020/227481)
[30] US (62/845,307) 2019-05-08

[21] **3,139,513**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/113 (2010.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01)**
[25] EN
[54] **OLIGONUCLEOTIDE COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS OLIGONUCLEOTIDIQUES ET LEURS PROCEDES D'UTILISATION**
[72] LIU, YUANJING, US
[72] IWAMOTO, NAOKI, US
[72] VARGEESE, CHANDRA, US
[72] ZHONG, ZHONG, US
[72] ANDREUCCI, AMY JADA, US
[71] WAVE LIFE SCIENCES LTD., SG
[85] 2021-11-05
[86] 2020-05-08 (PCT/US2020/032244)
[87] (WO2020/227691)
[30] US (62/845,765) 2019-05-09
[30] US (62/851,558) 2019-05-22
[30] US (62/911,340) 2019-10-06
[30] US (62/983,736) 2020-03-01

[21] **3,139,514**
[13] A1
[51] **Int.Cl. A61K 38/18 (2006.01) A61K 35/33 (2015.01) A61K 35/34 (2015.01)**
[25] EN
[54] **THERAPEUTICALLY ACTIVE CELLS AND EXOSOMES**
[54] **CELLULES ET EXOSOMES THERAPEUTIQUEMENT ACTIFS**
[72] MARBAN, EDUARDO, US
[72] IBRAHIM, AHMED, US
[72] MOSELEY, JENNIFER J., US
[72] LI, CHANG, US
[72] RODRIGUEZ-BORLADO, LUIS, US
[71] CEDARS-SINAI MEDICAL CENTER, US
[71] CAPRICOR, INC., US
[85] 2021-11-05
[86] 2020-05-07 (PCT/US2020/031808)
[87] (WO2020/227489)
[30] US (62/845,228) 2019-05-08

[21] **3,139,515**
[13] A1
[51] **Int.Cl. B24B 7/08 (2006.01) B24B 23/08 (2006.01) B24B 55/10 (2006.01)**
[25] EN
[54] **SURFACE-ABRADING TOOL CONFIGURED FOR MOUNTING TO AN EXTENSION POLE**
[54] **OUTIL D'ABRASION DE SURFACE CONFIGURE POUR ETRE MONTE SUR UNE TIGE RALLONGE**
[72] ARVINTE, ROMEO, CA
[72] FARLAND, RICHARD M., US
[72] TALBOT, COREY, US
[71] HYDE TOOLS, INC., US
[85] 2021-11-05
[86] 2020-05-07 (PCT/US2020/031824)
[87] (WO2020/227495)
[30] US (62/844,209) 2019-05-07

[21] **3,139,516**
[13] A1
[51] **Int.Cl. G06T 19/00 (2011.01) H04N 21/81 (2011.01) H04N 13/275 (2018.01) H04N 13/332 (2018.01) G06T 15/00 (2011.01)**
[25] EN
[54] **NOVEL SYSTEMS AND METHODS FOR COLLECTING, LOCATING AND VISUALIZING SENSOR SIGNALS IN EXTENDED REALITY**
[54] **NOUVEAUX SYSTEMES ET PROCEDES DE COLLECTE, DE LOCALISATION ET DE VISUALISATION DE SIGNAUX DE CAPTEUR EN REALITE ETENDUE**
[72] MEOUCHY, JAD, US
[72] BORDERS, SUZANNE, US
[71] BADVR, INC., US
[85] 2021-11-05
[86] 2020-05-10 (PCT/US2020/032281)
[87] (WO2020/231888)
[30] US (62/846,439) 2019-05-10

[21] **3,139,518**
[13] A1
[51] **Int.Cl. A61M 5/44 (2006.01) A61B 50/18 (2016.01) A47B 67/02 (2006.01)**
[25] EN
[54] **INTRAVENOUS FLUID WARMER USING UNIFORM THERMAL FIELD**
[54] **DISPOSITIF DE CHAUFFAGE DE FLUIDE INTRAVEINEUX UTILISANT UN CHAMP THERMIQUE UNIFORME**
[72] PLATE, JEFFREY, US
[72] MARTIS, PAUL, US
[71] ENTHERMICS MEDICAL SYSTEMS, INC., US
[85] 2021-11-05
[86] 2020-05-11 (PCT/US2020/032295)
[87] (WO2020/231896)
[30] US (62/845,978) 2019-05-10

[21] **3,139,519**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61K 39/00 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **DOSING OF KRAS INHIBITOR FOR TREATMENT OF CANCERS**
[54] **DOSAGE D'INHIBITEUR DE KRAS POUR LE TRAITEMENT DE CANCERS**
[72] HENARY, HABY, US
[72] LIPFORD, JAMES RUSSELL, US
[72] CEE, VICTOR J., US
[71] AMGEN INC., US
[85] 2021-11-05
[86] 2020-05-13 (PCT/US2020/032686)
[87] (WO2020/232130)
[30] US (62/847,862) 2019-05-14
[30] US (62/867,747) 2019-06-27

[21] **3,139,520**
[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01)**
[25] EN
[54] **BACTERIOPHAGE COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS BACTERIOPHAGES ET LEURS UTILISATIONS**
[72] TURNER, PAUL, US
[72] BURMEISTER, ALITA, US
[72] CHAN, BENJAMIN, US
[72] KORTRIGHT, KAITLYN, US
[72] WERTZ, JOHN, US
[71] YALE UNIVERSITY, US
[85] 2021-11-05
[86] 2020-05-07 (PCT/US2020/031855)
[87] (WO2020/227517)
[30] US (62/844,515) 2019-05-07
[30] US (63/017,369) 2020-04-29

[21] **3,139,521**
[13] A1
[51] **Int.Cl. C12N 15/85 (2006.01) C12N 15/113 (2010.01) A61P 25/14 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF LEUKODYSTROPHY AND WHOLE ANIMAL AND CELLULAR MODELS FOR THE IDENTIFYING EFFICACIOUS AGENTS FOR TREATMENT OF THE SAME**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE LA LEUCODYSTROPHIE ET MODELES ANIMAUX ET CELLULAIRES ENTIERS POUR L'IDENTIFICATION D'AGENTS EFFICACES POUR LE TRAITEMENT DE CELLE-CI**
[72] ALMAD, AKSHATA, US
[72] VANDERVER, ADELINE L., US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2021-11-05
[86] 2020-05-11 (PCT/US2020/032364)
[87] (WO2020/227713)
[30] US (62/845,637) 2019-05-09
[30] US (62/924,910) 2019-10-23

[21] **3,139,523**
[13] A1
[51] **Int.Cl. C08F 8/42 (2006.01) C08K 3/013 (2018.01) B60C 1/00 (2006.01) C08F 4/44 (2006.01) C08F 4/70 (2006.01) C08F 6/00 (2006.01) C08F 36/06 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 9/00 (2006.01)**
[25] EN
[54] **MODIFIED HIGH-CIS POLYBUTADIENE POLYMER, RELATED METHODS AND RUBBER COMPOSITIONS**
[54] **POLYMERE DE POLYBUTADIENE A HAUTE TENEUR EN CIS MODIFIE, PROCEDES ET COMPOSITIONS DE CAOUTCHOUC ASSOCIES**
[72] CICERCHI, JEFFREY A., US
[72] HOGAN, TERRENCE E., US
[72] KUHEL, III, JAMES J., US
[71] BRIDGESTONE AMERICAS TIRE OPERATIONS, LLC, US
[85] 2021-11-05
[86] 2020-05-07 (PCT/US2020/031874)
[87] (WO2020/227531)
[30] US (62/844,314) 2019-05-07

[21] **3,139,524**
[13] A1
[51] **Int.Cl. A01N 43/653 (2006.01) A01N 37/50 (2006.01) A01N 43/40 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **ACTIVE COMPOUND COMBINATIONS**
[54] **COMBINAISONS DE COMPOSES ACTIFS**
[72] LELLO, RAYMOND, US
[72] MYERS, RANDY, US
[72] NORTON, LAWRENCE, US
[72] PATZER, KELLY, CA
[72] KRATCHMER, JOCELYN, CA
[71] BAYER CROPSCIENCE LP, US
[85] 2021-11-05
[86] 2020-05-07 (PCT/US2020/031928)
[87] (WO2020/231751)
[30] US (62/846,007) 2019-05-10

[21] **3,139,525**
[13] A1
[51] **Int.Cl. E21B 43/00 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **PRODUCTION OF RENEWABLE FUEL FOR STEAM GENERATION FOR HEAVY OIL EXTRACTION**
[54] **PRODUCTION DE COMBUSTIBLE RENOUVELABLE POUR LA PRODUCTION DE VAPEUR POUR L'EXTRACTION D'HUILE LOURDE**
[72] ZUBACK, JOSEPH, US
[71] KORE INFRASTRUCTURE, US
[85] 2021-11-05
[86] 2020-05-07 (PCT/US2020/031934)
[87] (WO2020/227567)
[30] US (62/844,208) 2019-05-07

[21] **3,139,526**
[13] A1
[51] **Int.Cl. A61K 31/513 (2006.01) A61K 31/03 (2006.01) A61K 31/505 (2006.01) C07C 25/02 (2006.01) C07C 25/24 (2006.01) C07D 247/02 (2006.01)**
[25] EN
[54] **TRIARYL COMPOUNDS FOR TREATMENT OF PD-L1 DISEASES**
[54] **COMPOSES TRIARYLES POUR LE TRAITEMENT DE MALADIES PD-L1**
[72] FAN, PINGCHEN, US
[72] LANGE, CHRISTOPHER, US
[72] MALI, VENKAT REDDY, US
[72] MCMURTRIE, DARREN J., US
[72] MALATHONG, VIENGKHAM, US
[72] PUNNA, SREENIVAS, US
[72] SINGH, RAJINDER, US
[72] YANG, JU, US
[72] ZENG, YIBIN, US
[72] ZHANG, PENGLIE, US
[71] CHEMOCENTRYX, INC., US
[85] 2021-11-05
[86] 2020-05-14 (PCT/US2020/032904)
[87] (WO2020/232256)
[30] US (62/848,114) 2019-05-15

[21] **3,139,527**
[13] A1
[51] **Int.Cl. A61H 23/02 (2006.01) A61H 1/00 (2006.01) A61H 23/00 (2006.01) A61H 39/04 (2006.01)**
[25] EN
[54] **PERCUSSIVE THERAPY DEVICE WITH ACTIVE CONTROL**
[54] **DISPOSITIF DE THERAPIE PAR PERCUSSION A COMMANDE ACTIVE**
[72] WERSLAND, JASON, US
[72] NAZARIAN, BENJAMIN, US
[72] SOLANA, JAIME SANCHEZ, US
[72] MERINO, EDUARDO, US
[71] THERABODY, INC., US
[85] 2021-11-05
[86] 2020-05-07 (PCT/US2020/031936)
[87] (WO2020/227569)
[30] US (62/844,424) 2019-05-07
[30] US (62/899,098) 2019-09-11
[30] US (62/912,392) 2019-10-08
[30] US (16/675,772) 2019-11-06
[30] US (16/796,143) 2020-02-20

[21] **3,139,528**
[13] A1
[51] **Int.Cl. A23F 5/04 (2006.01) A23L 5/30 (2016.01) A23N 12/08 (2006.01) A47J 31/02 (2006.01) A47J 31/44 (2006.01) H05B 6/64 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ROASTING COFFEE BEANS**
[54] **SYSTEMES ET PROCEDES DE TORREFACTION DE GRAINS DE CAFE**
[72] FABRETTI, JR, US
[72] PLAIL, SCOTT, US
[71] DIVERSIFIED LASER TECHNOLOGIES, LLC, US
[85] 2021-11-05
[86] 2020-05-22 (PCT/US2020/034398)
[87] (WO2020/237220)
[30] US (62/851,458) 2019-05-22

[21] **3,139,530**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **MULTIPLEX ASSAY FOR DETERMINING THE .BETA.-AMYLOID 42/40 RATIO IN HUMAN PLASMA SPECIMENS**
[54] **DOSAGE MULTIPLEXE PERMETTANT LA DETERMINATION DU RAPPORT .BETA.-AMYLOIDE 42/40 DANS DES ECHANTILLONS DE PLASMA HUMAIN**
[72] MORNEAU, KEITH R., US
[72] SANSOUCY, BRIAN G., US
[71] QUEST DIAGNOSTICS INVESTMENTS LLC, US
[85] 2021-11-05
[86] 2020-05-08 (PCT/US2020/032010)
[87] (WO2020/231774)
[30] US (62/846,565) 2019-05-10

[21] **3,139,531**
[13] A1
[51] **Int.Cl. F16H 7/22 (2006.01) F16H 57/035 (2012.01) F16H 9/24 (2006.01) F16H 55/12 (2006.01)**
[25] EN
[54] **SEGMENTED PULLEY AND SEGMENTED PULLEY TRANSMISSION INCLUDING THE SAME**
[54] **POULIE SEGMENTEE ET TRANSMISSION A POULIE SEGMENTEE COMPRENANT CELLE-CI**
[72] WONG, ANTHONY, CA
[72] LUTOSLAWSKI, JAROSLAW, CA
[72] FONDYGA, SARAH JEAN, CA
[71] 1783590 ONTARIO INC., D.B.A. INMOTIVE INC., CA
[85] 2021-11-08
[86] 2019-11-29 (PCT/CA2019/051712)
[87] (WO2020/223786)
[30] US (62/845,376) 2019-05-09

[21] **3,139,533**
[13] A1
[25] EN
[54] **RATE-OPTIMIZED CONGESTION MANAGEMENT**
[54] **GESTION D'ENCOMBREMENT A DEBIT OPTIMISE**
[72] PAN, RONG, US
[72] NEWMAN, PETER, US
[71] PENSANDO SYSTEMS INC., US
[85] 2021-11-05
[86] 2020-05-15 (PCT/US2020/033154)
[87] (WO2020/236599)
[30] US (16/415,609) 2019-05-17

[21] **3,139,534**
[13] A1
[51] **Int.Cl. F16H 7/22 (2006.01) F16H 57/035 (2012.01) F16H 9/24 (2006.01) F16H 55/12 (2006.01)**
[25] EN
[54] **ACTUATOR SYSTEM AND SEGMENTED PULLEY TRANSMISSION INCLUDING THE SAME**
[54] **SYSTEME D'ACTIONNEUR ET TRANSMISSION A POULIE SEGMENTEE COMPRENANT CELUI-CI**
[72] WONG, ANTHONY, CA
[72] LUTOSLAWSKI, JAROSLAW, CA
[72] FONDYGA, SARAH JEAN, CA
[71] 1783590 ONTARIO INC., D.B.A. INMOTIVE INC., CA
[85] 2021-11-08
[86] 2019-11-29 (PCT/CA2019/051713)
[87] (WO2020/223787)
[30] US (62/845,389) 2019-05-09

[21] **3,139,535**
[13] A1
[51] **Int.Cl. C12Q 1/6827 (2018.01) C12Q 1/6886 (2018.01) G16B 20/20 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETECTING RESIDUAL DISEASE**
[54] **PROCEDES ET SYSTEMES POUR LA DETECTION DE MALADIES RESIDUELLES**
[72] ALMOGY, GILAD, US
[72] PRATT, MARK, US
[72] BARAD, OMER, US
[72] FAIGLER, SIMCHON, US
[72] OBERSTRASS, FLORIAN, US
[71] ULTIMA GENOMICS, INC., US
[85] 2021-11-05
[86] 2020-05-15 (PCT/US2020/033217)
[87] (WO2020/236630)
[30] US (62/849,414) 2019-05-17
[30] US (62/971,530) 2020-02-07

[21] **3,139,536**
[13] A1
[51] **Int.Cl. G16H 40/20 (2018.01) G06T 7/13 (2017.01) G06T 7/20 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INFECTION PREVENTION**
[54] **SYSTEMES ET PROCEDES DE PREVENTION D'INFECTION**
[72] HUNT, BARRY, CA
[71] HUNT, BARRY, CA
[85] 2021-11-08
[86] 2020-05-07 (PCT/CA2020/050622)
[87] (WO2020/223818)
[30] US (62/844,495) 2019-05-07

[21] **3,139,537**
[13] A1
[51] **Int.Cl. C10B 53/04 (2006.01) C10B 55/02 (2006.01) C10G 1/00 (2006.01)**
[25] EN
[54] **PROCESSES FOR UTILISATION OF PURIFIED COAL TO UPGRADE REFINERY PROCESS COMPONENTS IN THE MANUFACTURE OF PETROLEUM COKE**
[54] **PROCEDES D'UTILISATION DE CHARBON PURIFIE POUR VALORISER DES COMPOSANTS DE PROCEDE DE RAFFINERIE DANS LA FABRICATION DE COKE DE PETROLE**
[72] UNSWORTH, JOHN, GB
[72] PASPEK, STEPHEN, US
[71] ARQ IP LIMITED, GB
[85] 2021-11-05
[86] 2020-05-08 (PCT/US2020/032050)
[87] (WO2020/227613)
[30] GB (1906563.0) 2019-05-09
[30] GB (1907378.2) 2019-05-24

[21] **3,139,538**
[13] A1
[25] EN
[54] **NETWORK TRAFFIC STEERING WITH PROGRAMMATICALLY GENERATED PROXY AUTO-CONFIGURATION FILES**
[54] **GUIDAGE DE TRAFIC DE RESEAU AVEC DES FICHIERS D'AUTOCONFIGURATION DE MANDATAIRE PRODUITS PAR PROGRAMME**
[72] VYSOTSKY, VLADIMIR, US
[72] MUKHOPADHYAY, SNIGDHENDU, US
[71] CITRIX SYSTEMS, INC., US
[85] 2021-11-05
[86] 2020-05-19 (PCT/US2020/033582)
[87] (WO2020/236806)
[30] US (16/417,018) 2019-05-20

[21] **3,139,539**
[13] A1
[51] **Int.Cl. A61H 3/04 (2006.01) A61G 5/02 (2006.01) A61G 5/08 (2006.01) A61G 5/10 (2006.01)**
[25] EN
[54] **CONVERTIBLE MOBILITY DEVICE**
[54] **DISPOSITIF DE MOBILITE CONVERTIBLE**
[72] MULLINS, TORRIN, CA
[72] TUTTON, JOHN, CA
[72] BOUCHER, LUC, CA
[72] WATTERS, ROBERT, CA
[72] MACKERETH, DAVID, CA
[71] TRIUMPH MOBILITY, INC., CA
[85] 2021-11-08
[86] 2020-05-07 (PCT/CA2020/050624)
[87] (WO2020/223819)
[30] US (62/844,981) 2019-05-08

[21] **3,139,541**
[13] A1
[51] **Int.Cl. A61B 17/115 (2006.01)**
[25] EN
[54] **CIRCULAR STAPLING DEVICE**
[54] **DISPOSITIF D'AGRAFAGE CIRCULAIRE**
[72] TAN, YUANDONG, CN
[72] ZHANG, XILIANG, CN
[71] COVIDIEN LP, US
[85] 2021-11-08
[86] 2019-05-31 (PCT/CN2019/089545)
[87] (WO2020/237631)

[21] **3,139,542**
[13] A1
[51] **Int.Cl. C08F 220/24 (2006.01) B01D 69/12 (2006.01) B01D 71/76 (2006.01) C08J 5/18 (2006.01) C08L 33/16 (2006.01)**
[25] EN
[54] **ZWITTERIONIC CHARGED COPOLYMER MEMBRANES**
[54] **MEMBRANES A COPOLYMERES CHARGES ZWITTERIONIQUES**
[72] ALEXIOU, AYSE ASATEKIN, US
[72] LOUNDER, SAMUEL JOHN, US
[71] TRUSTEES OF TUFTS COLLEGE, US
[85] 2021-11-05
[86] 2020-05-08 (PCT/US2020/032068)
[87] (WO2020/231797)
[30] US (62/846,014) 2019-05-10

[21] **3,139,544**
[13] A1
[51] **Int.Cl. H04W 56/00 (2009.01)**
[25] EN
[54] **METHOD AND DEVICES FOR SIDELINK MONITORING**
[54] **PROCEDE ET DISPOSITIFS DE SURVEILLANCE DE LIAISON LATERALE**
[72] ZHAO, ZHENSHAN, CN
[72] LU, QIANXI, CN
[72] LIN, HUEI-MING, AU
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-11-08
[86] 2019-05-14 (PCT/CN2019/086913)
[87] (WO2020/227944)

[21] **3,139,545**
[13] A1
[51] **Int.Cl. C07H 21/00 (2006.01) C12N 15/115 (2010.01) C07H 1/00 (2006.01) C07H 21/02 (2006.01) C07H 21/04 (2006.01)**
[25] EN
[54] **CONVERGENT LIQUID PHASE SYNTHESES OF OLIGONUCLEOTIDES**
[54] **SYNTHESES EN PHASE LIQUIDE CONVERGENTE D'OLIGONUCLEOTIDES**
[72] SHI, XIANGLIN, US
[72] KIESMAN, WILLIAM F., US
[72] ANTIA, FIROZ, US
[72] FILLON, YANNICK, US
[72] ZHOU, XUAN, US
[72] YAN, WUMING, US
[72] JIANG, HONG, US
[72] NGUYEN, HIEN, US
[72] GRONKE, ROBERT S., US
[72] ICHIMARU, TAISUKE, JP
[72] HAMAGAKI, TAKUYA, JP
[72] TAKAHASHI, DAISUKE, JP
[71] BIOGEN MA INC., US
[71] AJINOMOTO CO., INC., JP
[85] 2021-11-05
[86] 2020-05-08 (PCT/US2020/032070)
[87] (WO2020/227618)
[30] US (62/845,160) 2019-05-08

[21] **3,139,546**
[13] A1
[51] **Int.Cl. B01J 23/26 (2006.01)**
[25] EN
[54] **ORGANIC HYDROGEN STORAGE MATERIAL DEHYDROGENATION CATALYST, A SUPPORT FOR THE CATALYST, HYDROGEN-STORAGE ALLOY, AND A PROCESS FOR PROVIDING HIGH-PURITY HYDROGEN GAS**
[54] **CATALYSEUR POUR DESHYDROGENER UN MATERIAU BRUT DE STOCKAGE D'HYDROGENE ORGANIQUE, SUPPORT POUR CATALYSEUR, ALLIAGE DE STOCKAGE D'HYDROGENE ET PROCEDE POUR FOURNIR DE L'HYDROGENE D E HAUTE PURETE**
[72] LIN, WEI, CN
[72] YANG, XUE, CN
[72] SONG, HAITAO, CN
[72] SUN, MIN, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC, CN
[85] 2021-11-08
[86] 2020-05-06 (PCT/CN2020/088740)
[87] (WO2020/224584)
[30] CN (201910370696.X) 2019-05-06

[21] **3,139,547**
[13] A1
[51] **Int.Cl. B03C 7/02 (2006.01) B03C 7/00 (2006.01) B03C 7/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PROTEIN ENRICHMENT OF DRIED DISTILLERS GRAINS USING A TRIBO-ELECTROSTATIC SEPARATOR DEVICE**
[54] **PROCEDE D'ENRICHISSEMENT PROTEIQUE DE GRAINS DE DISTILLERIE SECHES A L'AIDE D'UN DISPOSITIF SEPARATEUR TRIBO-ELECTROSTATIQUE**
[72] BARBER, NATSUKI, US
[72] FLYNN, KYLE P., US
[72] GUPTA, ABHISHEK, US
[71] SEPARATION TECHNOLOGIES LLC, US
[85] 2021-11-05
[86] 2020-05-08 (PCT/US2020/032098)
[87] (WO2020/227631)
[30] US (62/845,137) 2019-05-08

[21] **3,139,548**
[13] A1
[51] **Int.Cl. C22C 19/03 (2006.01) C01B 3/56 (2006.01) C22C 14/00 (2006.01) C22C 23/06 (2006.01) C22C 30/00 (2006.01)**
[25] EN
[54] **ORGANIC HYDROGEN STORAGE MATERIAL DEHYDROGENATION CATALYST, A SUPPORT FOR THE CATALYST, HYDROGEN-STORAGE ALLOY, AND A PROCESS FOR PROVIDING HIGH-PURITY HYDROGEN GAS**
[54] **CATALYSEUR DE DESHYDROGENATION DE MATIERES PREMIERES DE STOCKAGE D'HYDROGENE ORGANIQUES, SUPPORT DU CATALYSEUR, ALLIAGE DE STOCKAGE D'HYDROGENE ET PROCEDE DE FOURNITURE D'HYDROGEN E DE HAUTE PURETE**
[72] LIN, WEI, CN
[72] YANG, XUE, CN
[72] SONG, HAITAO, CN
[72] SONG, YE, CN
[72] SUN, MIN, CN
[72] LIU, JUN, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC, CN
[85] 2021-11-08
[86] 2020-05-06 (PCT/CN2020/088750)
[87] (WO2020/224586)
[30] CN (201910370696.X) 2019-05-06
[30] CN (201910370702.1) 2019-05-06

[21] **3,139,550**
[13] A1
[51] **Int.Cl. C12N 9/06 (2006.01) A61K 47/56 (2017.01) A61K 38/44 (2006.01) A61P 13/12 (2006.01) A61P 19/02 (2006.01) A61P 19/06 (2006.01)**
[25] EN
[54] **POLYETHYLENE GLYCOL-MODIFIED URATE OXIDASE**
[54] **URATE OXYDASE MODIFIEE PAR DU POLYETHYLENE GLYCOL**
[72] FAN, KAI, CN
[72] WANG, ZHIMING, CN
[72] LIU, RIYONG, CN
[72] WANG, YU, CN
[72] HE, YUNFENG, CN
[72] YAN, TIANWEN, CN
[72] FU, ZHICHENG, CN
[72] SU, GUOWEI, CN
[72] HU, CHUNLAN, CN
[72] DING, XUPENG, CN
[72] TAN, CHANGCHENG, CN
[72] WANG, HONGYING, CN
[72] YANG, HUI, CN
[72] DING, QIONG, CN
[72] WEN, HAIYAN, CN
[71] PEG-BIO BIOPHARM CO., LTD. (CHONGQING), CN
[71] HANGZHOU GRAND BIOLOGIC PHARMACEUTICAL INC., CN
[85] 2021-11-08
[86] 2020-05-08 (PCT/CN2020/089272)
[87] (WO2020/228618)
[30] CN (201910388717.0) 2019-05-10

[21] **3,139,551**
[13] A1
[51] **Int.Cl. C01B 3/56 (2006.01) C01B 3/26 (2006.01) C22C 14/00 (2006.01) C22C 19/03 (2006.01) C22C 23/06 (2006.01) C22C 30/00 (2006.01)**
[25] EN
[54] **ORGANIC HYDROGEN STORAGE MATERIAL DEHYDROGENATION CATALYST, A SUPPORT FOR THE CATALYST, HYDROGEN-STORAGE ALLOY, AND A PROCESS FOR PROVIDING HIGH-PURITY HYDROGEN GAS**
[54] **CATALYSEUR DE DESHYDROGENATION DE MATIERE PREMIERE DE STOCKAGE D'HYDROGENE ORGANIQUE, SUPPORT DE CATALYSEUR, ALLIAGE DE STOCKAGE D'HYDROGENE, ET PROCEDE DE FOURNITURE D'UN GAZ HYD ROGENE DE HAUTE PURETE**
[72] LIN, WEI, CN
[72] YANG, XUE, CN
[72] SONG, HAITAO, CN
[72] SUN, MIN, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC, CN
[85] 2021-11-08
[86] 2020-05-06 (PCT/CN2020/088755)
[87] (WO2020/224589)
[30] CN (201910370696.X) 2019-05-06
[30] CN (201910370702.1) 2019-05-06

[21] **3,139,552**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 3/00 (2006.01) A61P 11/00 (2006.01) A61P 17/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF N-(5-(5-((1R,2S)-2-FLUOROCYCLOPROPYL)-1, 2,4-OXADIAZOL-3-YL)-2-METHYLPHENYL)IMIDAZO[1,2-A]PYRIDINE-3-CARBOXAMIDE**
[54] **FORMES CRISTALLINES DE N-(5-(5-((1R, 2S)-2-FLUOROCYCLOPROPYL)-1,2,4-OXADIAZOL-3-YL)-2-METHYLPHENYL) IMIDAZO [1,2-A] PYRIDINE-3-CARBOXAMIDE**
[72] WANG, XIAOYANG, CN
[72] KORDIKOWSKI, ANDREAS, CH
[71] NOVARTIS AG, CH
[85] 2021-11-08
[86] 2020-05-13 (PCT/CN2020/090060)
[87] (WO2020/228746)
[30] CN (PCT/CN2019/086582) 2019-05-13

[21] **3,139,553**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/506 (2006.01) A61P 9/12 (2006.01) C07D 405/14 (2006.01) C07D 407/14 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **CRYSTAL FORM OF PYRIMIDINE SULFONAMIDE COMPOUND AND PREPARATION METHOD THEREFOR**
[54] **FORME CRISTALLINE D'UN COMPOSE DE PYRIMIDINE SULFONAMIDE ET SON PROCEDE DE PREPARATION**
[72] LI, JUNMIAO, CN
[72] LEI, MAOYI, CN
[72] LUO, YUNFU, CN
[71] SHIJIAZHUANG SAGACITY NEW DRUG DEVELOPMENT CO., LTD., CN
[85] 2021-11-08
[86] 2020-05-22 (PCT/CN2020/091737)
[87] (WO2020/233694)
[30] CN (201910428795.9) 2019-05-22

[21] **3,139,554**
[13] A1
[51] **Int.Cl. C07J 43/00 (2006.01) A61K 31/58 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **NEUROACTIVE STEROIDS AND COMPOSITIONS THEREOF**
[54] **STEROIDES NEUROACTIFS ET COMPOSITIONS ASSOCIEES**
[72] SALITURO, FRANCESCO G., US
[72] BLANCO-PILLADO, MARIA JESUS, US
[72] MORNINGSTAR, MARSHALL LEE, US
[71] SAGE THERAPEUTICS, INC., US
[85] 2021-11-05
[86] 2020-05-29 (PCT/US2020/035210)
[87] (WO2020/243488)
[30] US (62/855,435) 2019-05-31

[21] **3,139,555**
[13] A1
[51] **Int.Cl. A23K 20/189 (2016.01) A23K 20/10 (2016.01)**
[25] EN
[54] **THERAPEUTIC CLAY COMPOSITIONS AND METHODS OF USING**
[54] **COMPOSITIONS D'ARGILE THERAPEUTIQUE ET PROCEDES D'UTILISATION**
[72] MUSSER, ROBERT, US
[72] FRIESEN, KIM, US
[72] SONG, RAN, US
[71] NUTRIQUEST, LLC, US
[85] 2021-11-05
[86] 2020-06-01 (PCT/US2020/035555)
[87] (WO2020/243704)
[30] US (62/855,600) 2019-05-31

[21] **3,139,556**
[13] A1
[51] **Int.Cl. B60R 21/02 (2006.01) A63G 7/00 (2006.01)**
[25] EN
[54] **LOCKING DEVICE FOR A SAFETY BAR, PASSENGER ACCOMMODATION AND AMUSEMENT RIDE HAVING A LOCKING DEVICE OF THIS KIND**
[54] **DISPOSITIF DE VERROUILLAGE D'UN ETRIER DE SECURITE, PRISE EN CHARGE DE PASSAGERS ET MANEGE D'ATTRACTION POURVU D'UN TEL DISPOSITIF DE VERROUILLAGE**
[72] WIEBECK, DIRK, DE
[72] KRAUS, MICHAEL, DE
[71] MACK RIDES GMBH & CO. KG, DE
[85] 2021-11-08
[86] 2020-01-23 (PCT/EP2020/051622)
[87] (WO2020/224812)
[30] DE (10 2019 112 190.6) 2019-05-09

[21] **3,139,557**
[13] A1
[51] **Int.Cl. A61B 17/70 (2006.01)**
[25] EN
[54] **EXTERNAL ACTUATION DEVICE FOR ADJUSTABLE IMPLANTED MEDICAL DEVICE**
[54] **DISPOSITIF D'ACTIONNEMENT EXTERNE POUR DISPOSITIF MEDICAL IMPLANTE REGLABLE**
[72] MOSER, YVES, CH
[72] DANIELS, DAVID WAYNE, US
[71] MOSER, YVES, CH
[71] DANIELS, DAVID WAYNE, US
[85] 2021-11-05
[86] 2020-06-11 (PCT/US2020/037271)
[87] (WO2020/252188)
[30] US (62/860,061) 2019-06-11

[21] **3,139,558**
[13] A1
[51] **Int.Cl. C08G 18/76 (2006.01) C08F 8/00 (2006.01) C08F 8/04 (2006.01) C08F 110/10 (2006.01) C08G 18/62 (2006.01) C08G 18/75 (2006.01) C09D 175/04 (2006.01)**
[25] EN
[54] **TWO-COMPONENT POLYURETHANE ELASTOMER COATING FOR CORROSION AND WEATHERING PROTECTION**
[54] **REVETEMENT ELASTOMERE DE POLYURETHANE A DEUX CONSTITUANTS POUR UNE PROTECTION CONTRE LA CORROSION ET LES INTEMPERIES**
[72] BRUCHERTSEIFER, CHRISTIAN, DE
[72] BUCK, KLAUS, DE
[72] CSIHONY, SZILARD, DE
[72] WALTHER, BURKHARD, DE
[72] NOWICKI, ROLAND, DE
[71] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
[85] 2021-11-08
[86] 2020-05-05 (PCT/EP2020/062445)
[87] (WO2020/229229)
[30] EP (19173953.1) 2019-05-10

[21] **3,139,559**
[13] A1
[51] **Int.Cl. A61K 31/167 (2006.01) A61K 31/192 (2006.01) A61K 31/198 (2006.01) A61K 31/428 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING PAIN**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DE LA DOULEUR**
[72] APKARIAN, A. VANIA, US
[71] APKARIAN TECHNOLOGIES LLC, US
[85] 2021-11-05
[86] 2020-05-08 (PCT/US2020/032142)
[87] (WO2020/227646)
[30] US (62/845,782) 2019-05-09

[21] **3,139,560**
[13] A1
[51] **Int.Cl. E06B 9/26 (2006.01) F21S 11/00 (2006.01)**
[25] EN
[54] **PRELIMINARY PRODUCTS FOR LIGHT PROTECTION DEVICES WITH HIGH-PRECISION OPTICS FOR GLARE-FREE LIGHT DEFLECTION**
[54] **PRODUITS PRELIMINAIRES POUR DISPOSITIFS DE PROTECTION CONTRE LA LUMIERE AVEC OPTIQUE DE HAUTE PRECISION POUR DEVIATION DE LUMIERE SANS EBLOUISSEMENT**
[72] KOESTER, HELMUT, DE
[71] KOESTER, HELMUT, DE
[85] 2021-11-08
[86] 2020-05-05 (PCT/EP2020/062474)
[87] (WO2020/225265)
[30] DE (DE 10 2019 206 496.5) 2019-05-06
[30] DE (DE 10 2019 006 130.6) 2019-08-30

[21] **3,139,561**
[13] A1
[51] **Int.Cl. A61K 31/439 (2006.01) A61P 25/28 (2006.01) C07D 401/12 (2006.01) C07D 413/06 (2006.01) C07D 413/12 (2006.01) C07D 417/04 (2006.01) C07D 417/14 (2006.01) C07D 453/02 (2006.01) C07D 471/08 (2006.01) C07D 471/10 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01) C07D 498/08 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **PROGRANULIN MODULATORS AND METHODS OF USING THE SAME**
[54] **MODULATEURS DE LA PROGRANULINE ET LEURS PROCEDES D'UTILISATION**
[72] BURNETT, DUANE A., US
[72] GREENLEE, WILLIAM J., US
[72] LANTER, JAMES C., US
[71] ARKUDA THERAPEUTICS, US
[85] 2021-11-05
[86] 2020-06-12 (PCT/US2020/037358)
[87] (WO2020/252222)
[30] US (62/860,394) 2019-06-12

[21] **3,139,562**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06N 3/08 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MEDIA PROCESSING AND DISPLAY**
[54] **PROCEDES, SYSTEMES ET PRODUITS PROGRAMMES INFORMATIQUES POUR TRAITEMENT ET AFFICHAGE DE CONTENU MULTIMEDIA**
[72] LEWIS, LUCINDA, US
[71] AUTOMOBILIA II, LLC, US
[85] 2021-11-05
[86] 2020-05-08 (PCT/US2020/032149)
[87] (WO2020/227651)
[30] US (62/845,546) 2019-05-09

[21] **3,139,563**
[13] A1
[51] **Int.Cl. A61B 17/128 (2006.01)**
[25] EN
[54] **NON-SHEDDING COUPLING METHOD AND SYSTEM FOR RELOADABLE HEMOSTASIS CLIP**
[54] **PROCEDE ET SYSTEME DE COUPLAGE SANS DELESTAGE POUR PINCE HEMOSTATIQUE RECHARGEABLE**
[72] RAUSA, JOSEPH, US
[72] MURRAY, COLLIN, US
[72] KING, JOSEPH W., US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2021-11-05
[86] 2020-06-18 (PCT/US2020/038542)
[87] (WO2021/015902)
[30] US (62/877,879) 2019-07-24

[21] **3,139,564**
[13] A1
[51] **Int.Cl. F02B 19/10 (2006.01) F02B 19/02 (2006.01) F02B 19/06 (2006.01) F02B 19/12 (2006.01) F02B 19/18 (2006.01) F02D 37/02 (2006.01) F02M 51/02 (2006.01) F02M 57/06 (2006.01) F02P 15/00 (2006.01) F02P 13/00 (2006.01)**
[25] FR
[54] **IGNITION INSERT WITH ACTIVE PRECHAMBER**
[54] **INSERT D'ALLUMAGE A PRECHAMBRE ACTIVE**
[72] RABHI, VIANNEY, FR
[71] RABHI, VIANNEY, FR
[85] 2021-11-08
[86] 2020-05-13 (PCT/FR2020/050790)
[87] (WO2020/229775)
[30] FR (FR1904961) 2019-05-13

[21] **3,139,565**
[13] A1
[51] **Int.Cl. E06B 9/24 (2006.01) E06B 9/386 (2006.01) F21S 11/00 (2006.01)**
[25] EN
[54] **STACKABLE, MONO- AND BIFOCAL SLATS FOR DEFLECTING LIGHT**
[54] **ELEMENTS OBLIQUES MONO ET BIFOCAUX EMPILABLES PERMETTANT DE DEVIER LA LUMIERE**
[72] KOESTER, HELMUT, DE
[71] KOESTER, HELMUT, DE
[85] 2021-11-08
[86] 2020-05-05 (PCT/EP2020/062475)
[87] (WO2020/225266)
[30] DE (DE 10 2019 206 497.3) 2019-05-06
[30] DE (DE 10 2019 206 495.7) 2019-05-06
[30] DE (DE 10 2019 207 768.4) 2019-05-27

[21] **3,139,566**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61K 36/60 (2006.01) B01D 11/02 (2006.01)**
[25] EN
[54] **EXTRACTION OF CANNABINOIDS FROM BIOMASS**
[54] **EXTRACTION DE CANNABINOIDES A PARTIR D'UNE BIOMASSE**
[72] NICOLA, MAZIN, NL
[72] OSMANOGLOU, ERAL, NL
[72] HUURMAN, SANDER, NL
[71] BECANEX GMBH, DE
[85] 2021-11-08
[86] 2020-05-07 (PCT/EP2020/062698)
[87] (WO2020/229296)
[30] GB (1906598.6) 2019-05-10

[21] **3,139,569**
[13] A1
[51] **Int.Cl. C01B 13/18 (2006.01) B01J 29/03 (2006.01) C01G 53/04 (2006.01)**
[25] EN
[54] **METHOD FOR OBTAINING METAL OXIDES SUPPORTED ON MESOPOROUS SILICA PARTICLES**
[54] **METHODE D'OBTENTION D'OXYDES METALLIQUES SUPPORTES PAR DES PARTICULES DE SILICE MESOPOREUSE**
[72] COLMENARES, MARIA, DE
[72] HARRIS, TOMOS, DE
[72] SIALELLI, JULIEN, DE
[72] SILVA MORA, JAVIER, DE
[72] THOMAS, ARNE, DE
[71] TECHNISCHE UNIVERSITAT BERLIN, DE
[85] 2021-11-08
[86] 2020-05-07 (PCT/EP2020/062719)
[87] (WO2020/225366)
[30] EP (19173277.5) 2019-05-08

[21] **3,139,570**
[13] A1
[51] **Int.Cl. F01D 9/04 (2006.01) F01D 25/24 (2006.01)**
[25] FR
[54] **TURBINE FOR A TURBOMACHINE, SUCH AS AN AEROPLANE TURBOFAN OR TURBOPROP ENGINE**
[54] **TURBINE POUR UNE TURBOMACHINE, TELLE QU'UN TURBOREACTEUR OU UN TURBOPROPULSEUR D'AVION**
[72] HAYNAU, REMY MILED MICHEL, FR
[72] GENILIER, ARNAUD LASANTHA, FR
[72] CONTINI, NICOLAS, FR
[72] GOOSSENS, MARIA, FR
[72] SILET, BENOIT GUILLAUME, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2021-11-08
[86] 2020-05-19 (PCT/FR2020/050834)
[87] (WO2020/234542)
[30] FR (1905340) 2019-05-21

[21] **3,139,571**
[13] A1
[51] **Int.Cl. A61K 31/4725 (2006.01) A61P 25/00 (2006.01) C07D 401/06 (2006.01)**
[25] EN
[54] **A SUBSTITUTED TETRAHYDROISOQUINOLINE DERIVATIVE AS A D1 POSITIVE ALLOSTERIC MODULATOR**
[54] **DERIVE DE TETRAHYDROISOQUINOLEINE SUBSTITUE UTILISE EN TANT QUE MODULATEUR ALLOSTERIQUE POSITIF D1**
[72] ATES, ALI, BE
[72] SKOLC, DAVID, BE
[71] UCB BIOPHARMA SRL, BE
[85] 2021-11-08
[86] 2020-06-29 (PCT/EP2020/068183)
[87] (WO2021/001288)
[30] EP (19183643.6) 2019-07-01

[21] **3,139,573**
[13] A1
[51] **Int.Cl. E04B 1/74 (2006.01) G01M 3/00 (2006.01) E04B 1/90 (2006.01)**
[25] EN
[54] **INSULATION PANEL AND SYSTEM**
[54] **PANNEAU D'ISOLATION ET SYSTEME**
[72] KICIAK, THOMAS, DE
[72] VON AUENMUELLER, JUERGEN, DE
[72] NAU, MARCO, DE
[72] MUELLER, EVA-MARIA, DE
[72] RIES, KLAUS, DE
[72] SCHNEIDER, FABIAN, DE
[71] BASF SE, DE
[85] 2021-11-08
[86] 2020-05-07 (PCT/EP2020/062741)
[87] (WO2020/225373)
[30] EP (19173519.0) 2019-05-09

---

[21] **3,139,574**
[13] A1
[51] **Int.Cl. G06F 7/58 (2006.01)**
[25] EN
[54] **DEVICE FOR TRANSFERRING POWER AND ENTROPY**
[54] **DISPOSITIF DE TRANSFERT D'ENERGIE ET D'ENTROPIE**
[72] ABELLAN, CARLOS, ES
[71] QUSIDE TECHNOLOGIES S.L., ES
[85] 2021-11-08
[86] 2020-05-11 (PCT/EP2020/063068)
[87] (WO2020/225452)
[30] EP (19382359.8) 2019-05-09

---

[21] **3,139,577**
[13] A1
[51] **Int.Cl. A61K 31/7004 (2006.01) A61K 31/7016 (2006.01) A61K 31/702 (2006.01) A61P 17/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **USE OF A SUGAR OR SUGAR ALCOHOL**
[54] **UTILISATION D'UN SUCRE OU D'UN ALCOOL DE SUCRE**
[72] APPAVOO, SHANTHI, IN
[72] DASGUPTA, ANINDYA, IN
[72] MAJUMDAR, AMITABHA, IN
[72] MALLEMALA, PRATHYUSHA, IN
[72] SALGAONKAR, NEHA, IN
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2021-11-08
[86] 2020-05-12 (PCT/EP2020/063131)
[87] (WO2020/229446)
[30] EP (19174808.6) 2019-05-16

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] **3,111,702**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/02 (2006.01) C12Q 1/34 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHOD AND COMPOUNDS FOR INHIBITING THE MCM COMPLEX AND THEIR APPLICATION IN CANCER TREATMENT**
[54] **PROCEDE ET COMPOSES POUR L'INHIBITION DU COMPLEXE MCM ET LEUR APPLICATION DANS LE TRAITEMENT ANTICANCEREUX**
[72] WANG, ZIYI, CN
[72] LIANG, CHUN, CN
[72] JIANG, ZHIHONG, CN
[72] YU, ZHILING, CN
[72] WANG, JINGRONG, CN
[72] BAI, LIPING, CN
[71] HONG KONG BAPTIST UNIVERSITY, CN
[71] MACAU UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[71] THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[22] 2013-05-09
[41] 2013-11-14
[62] 2,873,283
[30] US (61/644,442) 2012-05-09

---

[21] **3,114,074**
[13] A1
[51] **Int.Cl. E21B 17/042 (2006.01) F16L 15/00 (2006.01) F16L 15/06 (2006.01)**
[25] EN
[54] **LOBULAR CONNECTION FOR TUBULARS**
[54] **RACCORD A LOBES POUR ELEMENTS TUBULAIRES**
[72] HUGHES, WILLIAM JAMES, US
[71] INTRINSIC ENERGY TECHNOLOGY, LLC, US
[22] 2019-05-29
[41] 2019-12-05
[62] 3,096,724
[30] US (62/678,012) 2018-05-30

---

[21] **3,118,839**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **MACHINE LEARNING MODEL TO PREDICT IF BANKING CUSTOMER IS READY TO BUY A HOME IN X-DAYS**
[54]
[72] KUMAR, SALABH, CA
[72] KANAO, SANDEEP, CA
[72] KANAO, SUMEDH, CA
[71] KUMAR, SALABH, CA
[71] KANAO, SANDEEP, CA
[71] KANAO, SUMEDH, CA
[22] 2021-05-17
[41] 2021-11-19

---

[21] **3,135,978**
[13] A1
[51] **Int.Cl. A61K 31/56 (2006.01) A61K 9/14 (2006.01) A61K 9/50 (2006.01) A61K 31/265 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR OPHTHALMIC AND/OR OTHER APPLICATIONS**
[54]
[72] POPOV, ALEXEY, US
[72] ENLOW, ELIZABETH M., US
[72] CHEN, HONGMING, US
[72] BOURASSA, JAMES, US
[71] KALA PHARMACEUTICALS, INC., US
[22] 2014-10-31
[41] 2015-05-07
[62] 2,928,969
[30] US (14/070,506) 2013-11-02

---

[21] **3,136,766**
[13] A1
[51] **Int.Cl. B27B 5/02 (2006.01) B27B 1/00 (2006.01) B27B 31/06 (2006.01) B27M 3/02 (2006.01)**
[25] EN
[54] **COMPUTER-ASSISTED SHINGLE SAWING METHOD AND INSTALLATION**
[54] **PROCEDE ET INSTALLATION DE SCIAGE DE BARDEAUX ASSISTE PAR ORDINATEUR**
[72] MICHAUD, PIERRE, CA
[71] CLAIR INDUSTRIAL DEVELOPMENT CORPORATION LTD., CA
[22] 2019-06-20
[41] 2019-12-27
[62] 3,047,494
[30] US (62/763,642) 2018-06-27

---

[21] **3,137,177**
[13] A1
[51] **Int.Cl. B65D 33/25 (2006.01)**
[25] EN
[54] **CLOSURE ARRANGEMENTS FOR RECLOSEABLE POUCHES; RECLOSEABLE POUCHES; AND, METHODS**
[54] **DISPOSITIFS DE FERMETURE POUR POCHES REFERMABLES, POCHES REFERMABLES ET PROCEDES**
[72] SCHREITER, MIKE, US
[72] ROBBINS, TODD, US
[71] REYNOLDS PRESTO PRODUCTS INC., US
[22] 2014-03-11
[41] 2014-09-15
[62] 2,845,895
[30] US (13/837.085) 2013-03-15

[21] **3,137,286**
[13] A1
[51] **Int.Cl. B41J 3/00 (2006.01) A47B 96/20 (2006.01) B32B 27/10 (2006.01) B32B 29/06 (2006.01) B32B 37/10 (2006.01) B32B 38/14 (2006.01) B41J 2/01 (2006.01) B41M 5/50 (2006.01) B44C 5/04 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING PANELS HAVING A DECORATIVE SURFACE**
[54] **PROCEDE DE FABRICATION DE PANNEAUX AYANT UNE SURFACE DECORATIVE**
[72] CLEMENT, BENJAMIN, BE
[72] DE BOE, LUC, BE
[71] FLOORING INDUSTRIES LIMITED, SARL, LU
[22] 2013-08-01
[41] 2014-02-13
[62] 3,073,167
[30] EP (12179400.2) 2012-08-06
[30] US (61/751,364) 2013-01-11

[21] **3,137,313**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/24 (2021.01) A61B 5/296 (2021.01) A61B 5/395 (2021.01) A61B 5/11 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **PARALYSIS MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE PARALYSIE**
[72] BRAY, ROBERT S., JR., US
[71] BRAY, ROBERT S., JR., US
[22] 2018-03-08
[41] 2018-09-13
[62] 3,055,961
[30] US (62/469,797) 2017-03-10
[30] US (15/914,574) 2018-03-07

[21] **3,137,321**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/4184 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY WITH AN ANTI-CD19 ANTIBODY AND A NITROGEN MUSTARD**
[54] **POLYTHERAPIE AVEC ANTICORPS ANTI-CD19 ET MOUTARDE A L'AZOTE**
[72] AMERSDORFER, JUTTA, DE
[72] STEIDL, STEFAN, DE
[72] WINDERLICH, MARK, DE
[72] KROHN, SUZANNE, DE
[72] ROJKJAER, LISA, DE
[71] MORPHOSYS AG, DE
[22] 2012-08-14
[41] 2013-02-21
[62] 2,841,875
[30] US (61/523,861) 2011-08-16
[30] EP (11177658.9) 2011-08-16
[30] US (61/647,539) 2012-05-16
[30] US (61/654,097) 2012-06-01

[21] **3,137,323**
[13] A1
[51] **Int.Cl. F42B 5/307 (2006.01) F42B 8/02 (2006.01) F42B 12/76 (2006.01) F42B 33/00 (2006.01)**
[25] EN
[54] **REDUCED ENERGY MSR SYSTEM**
[54]
[72] PETERSON, BRYAN, US
[71] VISTA OUTDOOR OPERATIONS LLC, US
[22] 2017-03-27
[41] 2017-10-05
[62] 3,018,754
[30] US (62/313,563) 2016-03-25
[30] US (62/348,258) 2016-06-10
[30] US (62/413,065) 2016-10-26

[21] **3,137,326**
[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/68 (2018.01) G16B 20/20 (2019.01)**
[25] EN
[54] **USE OF VEGF INHIBITOR TO TREAT MACULAR DEGENERATION IN A PATIENT POPULATION**
[54]
[72] PERLEE, LORAH, US
[72] HAMON, SARA, US
[71] REGENERON PHARMACEUTICALS, INC., US
[22] 2016-12-01
[41] 2017-06-08
[62] 3,007,276
[30] US (62/262,589) 2015-12-03
[30] US (62/291,274) 2016-02-04

[21] **3,137,404**
[13] A1
[25] EN
[54] **PANCREATIC PROGENITOR CELLS EXPRESSING BETATROPHIN AND INSULIN**
[54]
[72] LEE, JAU-NAN, TW
[72] LEE, TONY TUNG-YIN, US
[72] LEE, YUTA, TW
[71] ACCELERATED BIOSCIENCES CORP., US
[22] 2013-11-26
[41] 2014-06-05
[62] 2,891,542
[30] US (61/732,162) 2012-11-30
[30] US (61/877,156) 2013-09-12

[21] **3,137,437**
[13] A1
[51] **Int.Cl. C08L 89/00 (2006.01) C07K 1/14 (2006.01) C07K 14/435 (2006.01) C08J 3/075 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **SILK PROTEIN FRAGMENT COMPOSITIONS AND ARTICLES MANUFACTURED THEREFROM**
[54]
[72] ALTMAN, GREGORY H., US
[72] HORAN, REBECCA L., US
[72] DOW, RACHEL LEE, US
[72] LIND, RACHEL M., US
[72] HAAS, DYLAN S., US
[71] EVOLVED BY NATURE, INC., US
[22] 2014-09-30
[41] 2015-04-02
[62] 2,925,820
[30] US (61/884,820) 2013-09-30
[30] US (62/000,928) 2014-05-20
[30] US (62/036,450) 2014-08-12
[30] US (14/503,076) 2014-09-30
[30] US (14/503,021) 2014-09-30

[21] **3,137,438**
[13] A1
[25] EN
[54] **DIAGNOSTIC ASSAYS AND KITS FOR DETECTION OF FOLATE RECEPTOR 1**
[54]
[72] TESTA, NATHAN E., US
[72] CARRIGAN, CHRISTINA N., US
[72] AB, OLGA, US
[72] TAVARES, DANIEL, US
[72] WOLF, BENI B., US
[71] IMMUNOGEN, INC., US
[22] 2013-08-30
[41] 2014-03-06
[62] 2,883,222
[30] US (61/695,791) 2012-08-31
[30] US (61/756,254) 2013-01-24

[21] **3,137,479**
[13] A1
[25] EN
[54] **PROCESSES FOR PREPARING ACC INHIBITORS AND SOLID FORMS THEREOF**
[54] **PROCEDES DE PREPARATION D'INHIBITEURS D'ACC ET FORMES SOLIDES CORRESPONDANTES**
[72] GEIER, MICHAEL, US
[72] HUMPHREYS, LUKE, US
[72] IKEMOTO, NORIHIRO, US
[72] LIEW, SEAN, US
[72] MORRISON, HENRY, US
[72] SCOTT, MARK E., US
[72] VARGHESE, VIMAL, US
[71] GILEAD SCIENCES, INC., US
[22] 2018-03-02
[41] 2018-09-07
[62] 3,053,956
[30] US (62/466,915) 2017-03-03
[30] US (62/553,300) 2017-09-01

[21] **3,137,496**
[13] A1
[25] EN
[54] **FLOW DESIGNER FOR CONTACT CENTERS**
[54] **CONCEPTEUR DE FLUX POUR DES CENTRES DE CONTACT**
[72] VYMENETS, LEONID, US
[72] KUMAR, PRAPHUL, US
[72] RISTOCK, HERBERT WILLI ARTUR, US
[72] ZHAKOV, VYACHESLAV, US
[71] GREENEDEN U.S. HOLDINGS II, LLC, US
[22] 2016-05-27
[41] 2016-12-01
[62] 2,989,799
[30] US (14/723,431) 2015-05-27
[30] US (14/723,429) 2015-05-27
[30] US (14/723,428) 2015-05-27

[21] **3,137,515**
[13] A1
[51] **Int.Cl. G10L 21/0388 (2013.01) G10L 19/022 (2013.01)**
[25] EN
[54] **CROSS PRODUCT ENHANCED SUBBAND BLOCK BASED HARMONIC TRANSPOSITION**
[54] **TRANSPOSITION HARMONIQUE A BASE DE BLOC DE SOUS-BANDE A PRODUIT D'INTERMODULATION AMELIORE**
[72] VILLEMOES, LARS, SE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2011-09-05
[41] 2012-03-22
[62] 3,102,325
[30] US (61/383441) 2010-09-16
[30] US (61/419164) 2010-12-02

[21] **3,137,576**
[13] A1
[51] **Int.Cl. G03G 15/06 (2006.01) G03G 15/08 (2006.01)**
[25] EN
[54] **DEVELOPER CONTAINER, DEVELOPING DEVICE, PROCESS UNIT, AND IMAGE FORMING APPARATUS**
[54] **RECIPIENT DE REVELATEUR, DISPOSITIF DE DEVELOPPEMENT, UNITE DE TRAITEMENT ET APPAREIL DE FORMATION D'IMAGE**
[72] KUBOTA, TOMOHIRO, JP
[72] NAKATAKE, NAOKI, JP
[72] SHIMIZU, YOSHIYUKI, JP
[72] TSURITANI, SHOH, JP
[72] HAMADA, MANABU, JP
[72] TSUJI, MASATO, JP
[72] FUJITA, MASANARI, JP
[71] RICOH COMPANY LTD., JP
[22] 2012-07-27
[41] 2013-01-31
[62] 3,040,950
[30] JP (2011-164036) 2011-07-27
[30] JP (2012-019937) 2012-02-01
[30] JP (2012-019940) 2012-02-01

[21] **3,137,624**
[13] A1
[25] EN
[54] **CATALYTICALLY HEATED FUEL PROCESSOR WITH REPLACEABLE STRUCTURED SUPPORTS BEARING CATALYST FOR FUEL CELL**
[54] **PROCESSEUR DE COMBUSTIBLE CHAUFFE CATALYTIQUEMENT A SUPPORTS STRUCTURES REMPLACABLES PORTANT UN CATALYSEUR POUR PILE A COMBUSTIBLE**
[72] VERYKIOS, XENOPHON, GR
[72] HALKIDES, THOMAS, GR
[72] STAVRAKAS, ANDREAS, GR
[72] BASAYIANNIS, ARIS, GR
[71] HELBIO SOCIETE ANONYME HYDROGEN AND ENERGY PRODUCTION SYSTEMS, GR
[22] 2012-03-08
[41] 2013-09-12
[62] 2,862,538

[21] **3,137,638**
[13] A1
[51] **Int.Cl. A61M 16/06 (2006.01) A61M 16/00 (2006.01) A61M 16/08 (2006.01)**
[25] EN
[54] **PATIENT INTERFACE AND ASPECTS THEREOF**
[54] **INTERFACE PATIENT ET SES ASPECTS**
[72] SALMON, ANDREW PAUL MAXWELL, NZ
[72] SIEW, SILAS SAO JIN, NZ
[72] HUANG, WEN DONG, NZ
[72] ALLAN, OLIVIA MOORE, NZ
[72] MCLAREN, MARK, NZ
[72] PRENTICE, CRAIG ROBERT, NZ
[72] GARDIOLA, ARVIN SAN JOSE, NZ
[72] MCAULEY, ALASTAIR EDWIN, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[22] 2010-11-12
[41] 2011-05-19
[62] 3,010,066
[30] US (61/260,590) 2009-11-12
[30] IB (PCT/IB2010/052061P) 2010-05-10
[30] US (61/376,067) 2010-08-23

[21] **3,137,645**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR NETWORKED MUSIC PLAYBACK**
[54] **SYSTEMES ET PROCEDES POUR REPRODUCTION DE MUSIQUE EN RESEAU**
[72] COBURN, ARTHUR, US
[72] HOADLEY, JONI, US
[71] SONOS,INC., US
[22] 2012-12-21
[41] 2013-07-04
[62] 3,077,786
[30] US (13/341,237) 2011-12-30

[21] **3,137,647**
[13] A1
[51] **Int.Cl. A61H 7/00 (2006.01)**
[25] EN
[54] **FASCIA TISSUE FITNESS DEVICE**
[54] **DISPOSITIF D'EXERCICE PHYSIQUE POUR LES TISSUS DU FASCIA**
[72] BLACK, ASHLEY D., US
[71] ASHLEY DIANA BLACK INTERNATIONAL HOLDINGS, LLC, US
[22] 2014-02-24
[41] 2014-08-28
[62] 2,902,059
[30] US (61/768,250) 2013-02-22

[21] **3,137,663**
[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) C07K 14/415 (2006.01) C12N 5/10 (2006.01) C12N 15/29 (2006.01)**
[25] EN
[54] **ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDES AND METHODS OF USING SAME FOR INCREASING PLANT YIELD, BIOMASS, GROWTH RATE, VIGOR, OIL CONTENT, ABIOTIC STRESS TOLERANCE OF PLANTS AND NITROGEN USE EFFICIENCY**
[54] **POLYNUCLEOTIDES ET POLYPEPTIDES ISOLES ET LEURS PROCEDES D'UTILISATION POUR AUGMENTER LE RENDEMENT DE PLANTES, LA BIOMASSE, LA VITESSE DE CROISSANCE, LA VIGUEUR, LA TENEUR EN HUILE, LA TOLERANCE AU STRESS ABIOTIQUE DE PLANTES ET L'EFFICACITE D'UTILISATION DE L'AZOTE**
[72] MATARASSO, NOA, IL
[72] EMMANUEL, EYAL, IL
[72] PANIK, DAVID, IL
[72] DANGOOR, INBAL NURITH, IL
[72] KARCHI, HAGAI, IL
[71] EVOGENE LTD., IL
[22] 2012-05-02
[41] 2012-11-08
[62] 2,834,027
[30] US (61/481,752) 2011-05-03
[30] US (61/537,621) 2011-09-22

[21] **3,137,668**
[13] A1
[51] **Int.Cl. H02G 3/08 (2006.01) H02G 3/18 (2006.01)**
[25] EN
[54] **ELECTRICAL BOX CABLE CLAMP**
[54] **COLLIER DE SERRAGE DE BOITIER ELECTRIQUE**
[72] KORCZ, KRZYSZTOF W., US
[72] JOHNSON, STEVEN J., US
[72] RICHARD, JOSEPH EDWARD, US
[71] HUBBELL INCORPORATED, US
[22] 2016-12-07
[41] 2017-06-15
[62] 3,006,301
[30] US (62/264,015) 2015-12-07

[21] **3,137,829**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/20 (2020.01)**
[25] EN
[54] **AN ARTICLE FOR USE WITH AN APPARATUS FOR HEATING AN AEROSOL GENERATING AGENT**
[54] **ARTICLE DESTINE A ETRE UTILISE AVEC UN APPAREIL POUR CHAUFFER UN AGENT GENERATEUR D'AEROSOL**
[72] GHANOUNI, KAVEH, GB
[72] HEPWORTH, RICHARD, GB
[72] ABI AOUN, WALID, GB
[72] KALJURA, KARL, GB
[72] LEAH, THOMAS DAVID, GB
[72] HARRIS, SHASA, GB
[71] NICOVENTURES TRADING LIMITED, GB
[22] 2018-03-29
[41] 2018-10-04
[62] 3,057,406
[30] GB (1705152.5) 2017-03-30

[21] **3,137,831**
[13] A1
[25] EN
[54] **METHOD AND APPARATUS FOR ACTIVELY MANAGING ELECTRIC POWER OVER AN ELECTRIC POWER GRID**
[54] **PROCEDE ET APPAREIL POUR GERER ACTIVEMENT DE L'ENERGIE ELECTRIQUE SUR UN RESEAU ELECTRIQUE**
[72] FORBES, JR., JOSEPH, W, US
[71] CAUSAM ENERGY, INC., US
[22] 2013-06-20
[41] 2013-12-27
[62] 2,877,307
[30] US (13/528,596) 2012-06-20

[21] **3,137,832**
[13] A1
[51] **Int.Cl. C13B 50/00 (2011.01) C13B 20/00 (2011.01) C13B 20/16 (2011.01) C13B 25/00 (2011.01) C13B 30/00 (2011.01) A23L 27/00 (2016.01) A23L 33/105 (2016.01) A23L 33/125 (2016.01) A23L 2/02 (2006.01) A23L 2/08 (2006.01)**
[25] FR
[54] **COMPOSITIONS BASED ON MAPLE SAP, VEGETABLE JUICE OR FRUIT JUICE, AND PROCESS FOR MANUFACTURING SAME**
[54] **COMPOSITIONS A BASE DE SEVE D'ERABLE, DE JUS DE LEGUMES OU DE FRUITS ET LEURS PROCEDES DE FABRICATION**
[72] DUFOUR, CLAUDE, CA
[72] FADI, ALI, CA
[71] LES TECHNOLOGIES CLDUFOUR INC., CA
[22] 2019-07-05
[41] 2020-01-09
[62] 3,098,409
[30] CA (3,010,832) 2018-07-06
[30] CA (3,019,455) 2018-10-01

[21] **3,137,843**
[13] A1
[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/00 (2006.01) A61B 17/072 (2006.01)**
[25] EN
[54] **SMALL DIAMETER ENDOSCOPIC STAPLER**
[54] **AGRAFEUSE ENDOSCOPIQUE A PETIT DIAMETRE**
[72] KOSTRZEWSKI, STANISLAW, US
[71] COVIDIEN LP, US
[22] 2014-12-03
[41] 2015-08-14
[62] 2,873,248
[30] US (14/180,578) 2014-02-14

[21] **3,137,844**
[13] A1
[51] **Int.Cl. A61B 17/072 (2006.01) A61B 17/00 (2006.01) A61B 17/068 (2006.01)**
[25] EN
[54] **SURGICAL STAPLER WITH EXPANDABLE JAW**
[54] **AGRAFEUSE CHIRURGICALE A MACHOIRE EXTENSIBLE**
[72] COVACH, JONATHAN, US
[72] BECERRA, MATTHEW, M., US
[72] JOHNSON, GARY M., US
[71] APPLIED MEDICAL RESOURCES CORPORATION, US
[22] 2014-03-14
[41] 2014-09-18
[62] 2,904,655
[30] US (61/793,065) 2013-03-15

[21] **3,137,846**
[13] A1
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PERSONALIZED NEOPLASIA VACCINES**
[54] **COMPOSITIONS ET PROCEDES S'APPLIQUANT A DES VACCINS PERSONNALISES CONTRE LES NEOPLASIES**
[72] HACOHEN, NIR, US
[72] WU, CATHERINE J., US
[72] FRITSCH, EDWARD F., US
[71] THE BROAD INSTITUTE, INC., US
[71] DANA-FARBER CANCER INSITUTE, INC., US
[71] THE GENERAL HOSPITAL CORPORATION, US
[22] 2014-04-07
[41] 2014-10-16
[62] 2,908,434
[30] US (61/809,406) 2013-04-07
[30] US (61/869,721) 2013-08-25

[21] **3,137,848**
[13] A1
[51] **Int.Cl. H04W 40/04 (2009.01) H04W 84/18 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COMPUTING A SUSTAINABLE RATE FOR BROADCAST TRAFFIC IN A NETWORK**
[54] **SYSTEMES ET PROCEDES DE CALCUL DU DEBIT VIABLE DE TRAFIC DE DIFFUSION DANS UN RESEAU**
[72] ATHURALIYA, SANJEEWA, AU
[71] HARRIS GLOBAL COMMUNICATIONS, INC., US
[22] 2020-05-11
[41] 2020-11-23
[62] 3,080,590
[30] US (16/420,340) 2019-05-23

[21] **3,137,858**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM BACKGROUND**
[54]
[72] HOSHINO, TAKAHARU, JP
[71] 10353744 CANADA LTD., CA
[22] 2017-02-14
[41] 2017-08-24
[62] 3,026,291
[30] JP (PCT/JP2016/054702) 2016-02-18

[21] **3,137,859**
[13] A1
[25] EN
[54] **TREATMENT OF WASTE PRODUCTS WITH ANAEROBIC DIGESTION**
[54] **TRAITEMENT DE PRODUITS DE DECHET AU MOYEN DE LA DIGESTION ANAEROBIE**
[72] JOSSE, JUAN, CARLOS, US
[71] ANAERGIA INC., CA
[22] 2016-01-25
[41] 2016-07-27
[62] 2,918,772
[30] US (62/108,145) 2015-01-27
[30] US (62/265,691) 2015-12-10

[21] **3,138,078**
[13] A1
[25] EN
[54] **MODULAR POINT-OF-CARE DEVICES AND USES THEREOF**
[54] **DISPOSITIFS MODULAIRES A UTILISER SUR PLACE ET LEURS UTILISATIONS**
[72] BURD, TAMMY, US
[72] GIBBONS IAN, US
[72] HOLMES, ELIZABETH A., US
[72] FRENZEL, GARY, US
[72] NUGENT, ANTHONY JOSEPH, US
[71] LABRADOR DIAGNOSTICS LLC, US
[22] 2008-10-02
[41] 2009-04-09
[62] 3,042,430
[30] US (60/997,460) 2007-10-02

[21] **3,138,111**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) C07K 14/54 (2006.01) C07K 14/705 (2006.01) C07K 16/00 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **METHOD AND COMPOSITIONS FOR ENHANCED ANTI-TUMOR EFFECTOR FUNCTIONING OF T CELLS**
[54] **PROCEDE ET COMPOSITIONS POUR FONCTIONNEMENT AMELIORE D'EFFECTEUR ANTITUMORAL DE LYMPHOCYTES T**
[72] JENSEN, MICHAEL, US
[71] CITY OF HOPE, US
[22] 2009-08-26
[41] 2010-03-04
[62] 2,735,456
[30] US (61/091,915) 2008-08-26

[21] **3,138,125**
[13] A1
[51] **Int.Cl. E02D 17/08 (2006.01) E02D 17/04 (2006.01)**
[25] EN
[54] **TRENCH BOX AND METHOD OF ASSEMBLY**
[54] **CAISSON DE TRANCHEE ET PROCEDE D'ASSEMBLAGE**
[72] FOLEY, JAMES, CA
[72] GRAHAM, DEVON, CA
[72] MAYER, BENEDIKT, CA
[72] KROCHAK, DARRYL, CA
[71] 2307050 ALBERTA LTD., CA
[22] 2016-07-22
[41] 2017-01-26
[62] 2,992,636
[30] CA (2,898,002) 2015-07-22

[21] **3,138,128**
[13] A1
[25] EN
[54] **PERMEANT DELIVERY SYSTEM AND METHODS FOR USE THEREOF**
[54] **SYSTEME D'ADMINISTRATION DE PERMEANT ET PROCEDES D'UTILISATION DE CELUI-CI**
[72] BAUDYS, MIREK, US
[72] ENSCORE, DAVID, US
[72] SMITH, ALAN, US
[72] TAGLIFERRI, FRANK, US
[72] TOLIA, GAURAV, US
[71] PASSPORT TECHNOLOGIES, INC., US
[22] 2009-03-31
[41] 2009-10-08
[62] 3,084,317
[30] US (61/040,744) 2008-03-31
[30] US (61/133,101) 2008-06-25

Index of Canadian Patents Issued

December 7, 2021

Index des brevets canadiens délivrés

7 décembre 2021

Index of Canadian Patents Issued
December 7, 2021

Index des brevets canadiens délivrés
7 décembre 2021

Index of Canadian Patents Issued
December 7, 2021

Index of Canadian Patents Issued
December 7, 2021

Index of Canadian Patents Issued
December 7, 2021

Index of Canadian Applications Open to Public Inspection

November 21, 2021 to November 27, 2021

Index des demandes canadiennes mises à la disponibilité du public

21 novembre 2021 au 27 novembre 2021

Index of Canadian Applications Open to Public Inspection
November 21, 2021 to November 27, 2021

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant