Canadian Intellectual Property Office
An Agency of Industry Canada

Office de la propriété intellectuelle du Canada
Un organisme d'Industrie Canada

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 150 No. 33 August 16, 2022 Vol. 150 No. 33 le 16 août 2022

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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.

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℠, ou par Xpresspost℠ 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.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of August 16, 2022 contains applications open to public inspection from July 31, 2022 to August 6, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 16 août 2022 contient les demandes disponibles au public pour consultation pour la période du 31 juillet 2022 au 6 août 2022.

16. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. **2691149**
Issued: 2011-09-13
Present Owner: H. LUNDBECK A/S

Title: **PROCESS FOR THE PREPARATION OF RACEMIC CITALOPRAM AND/OR S- OR R-CITALOPRAM BY SEPARATION OF A MIXTURE OF R-AND S-CITALOPRAM**

Subject to the terms of this document, H. LUNDBECK A/S, as the owner of Canadian Patent No. 2,691,149, entitled "PROCESS FOR THE PREPARATION OF RACEMIC CITALOPRAM AND/OR S- OR R-CITALOPRAM BY SEPARATION OF A MIXTURE OF R-AND S-CITALOPRAM" (inventors CHRISTENSEN, TROELS VOLSGAARD; DANCER, ROBERT; HUMBLE, RIKKE EVA; NIELSEN, OLE; PETERSEN, HANS; ROCK, MICHAEL HAROLD) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,691,149 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,691,149 is made without any prejudice to the rights of H. LUNDBECK A/S in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,691,149 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,691,149.
The patentee, H. LUNDBECK A/S, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Montreal, Quebec, Canada this 15th day of December, 2020.
[signature]
Name: LAVERY, DE BILLY, LLP
Title: Agent for the Patentee

16. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: **2691149**
Delivré: 2011-09-13
Titulaire actuel : H. LUNDBECK A/S

Titre : **PROCEDE DE PREPARATION DE CITALOPRAM RACEMIQUE ET/OU DE S- OU R-CITALOPRAM PAR SEPARATION D'UN MELANGE DE R- ET S-CITALOPRAM**

Par la présente et sous réserve des dispositions du présent document, H. LUNDBECK A/S, à titre de propriétaire du brevet canadien no 2,691,149, intitulé «PROCEDE DE PREPARATION DE CITALOPRAM RACEMIQUE ET/OU DE S- OU R-CITALOPRAM PAR SEPARATION D'UN MELANGE DE R- ET S-CITALOPRAM» (inventeurs CHRISTENSEN, TROELS VOLSGAARD; DANCER, ROBERT; HUMBLE, RIKKE EVA; NIELSEN, OLE; PETERSEN, HANS; ROCK, MICHAEL HAROLD) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,691,149 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,691,149 se fait sans préjudice des droits H. LUNDBECK A/S sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,691,149 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,691,149.
Le breveté, H. LUNDBECK A/S, demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet,en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Montréal, au Québec, au Canada, ce 15e jour du mois de décembre 2020.
[signature]
Nom: LAVERY, DE BILLY, LLP
Titre: Agent for the Patentee

17. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. **2638499**
Issued: 2010-09-28
Present Owner: H. LUNDBECK A/S

Title: **METHOD FOR MANUFACTURE OF ESCITALOPRAM**

Subject to the terms of this document, H. LUNDBECK A/S, as the owner of Canadian Patent No. 2,638,499, entitled "METHOD FOR MANUFACTURE OF ESCITALOPRAM" (inventors DANCER, ROBERT JAMES; DE FAVERI, CARLA; HUBER, FLORIAN ANTON MARTIN) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,638,499 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,638,499 is made without any prejudice to the rights of H. LUNDBECK A/S in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,638,499 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,638,499.
The patentee, H. LUNDBECK A/S, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Montreal, Quebec, Canada this 15th day of December, 2020.
[signature]
Name: LAVERY, DE BILLY, LLP
Title: Agent for the Patentee

17. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: **2638499**
Delivré: 2010-09-28
Titulaire actuel : H. LUNDBECK A/S

Titre : **METHODE DE PREPARATION D'ESCITALOPRAM**

Par la présente et sous réserve des dispositions du présent document, H. LUNDBECK A/S, à titre de propriétaire du brevet canadien no 2,638,499, intitulé «METHODE DE PREPARATION D'ESCITALOPRAM» (inventeurs DANCER, ROBERT JAMES; DE FAVERI, CARLA; HUBER, FLORIAN ANTON MARTIN) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,638,499 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,638,499 se fait sans préjudice des droits H. LUNDBECK A/S sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,638,499 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,638,499.
Le breveté, H. LUNDBECK A/S, demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet,en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Montréal, au Québec, au Canada, ce 15e jour du mois de décembre 2020.
[signature]
Nom: LAVERY, DE BILLY, LLP
Titre: Agent for the Patentee

18. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. **2612827**
Issued: 2010-11-30
Present Owner: H. LUNDBECK A/S

Title: **CRYSTALLINE BASE OF ESCITALOPRAM AND ORODISPERSIBLE TABLETS COMPRISING ESCITALOPRAM BASE**

Subject to the terms of this document, H. LUNDBECK A/S, as the owner of Canadian Patent No. 2,612,827, entitled "CRYSTALLINE BASE OF ESCITALOPRAM AND ORODISPERSIBLE TABLETS COMPRISING ESCITALOPRAM BASE" (inventors DANCER, ROBERT; ELIASEN, HELLE; LILJEGREN, KEN; NIELSEN, OLE; PETERSEN, HANS; ROCK, MICHAEL HAROLD) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,612,827 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,612,827 is made without any prejudice to the rights of H. LUNDBECK A/S in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,612,827 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,612,827.
The patentee, H. LUNDBECK A/S, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Montreal, Quebec, Canada this 15th day of December, 2020.
[signature]
Name: LAVERY, DE BILLY, LLP
Title: Agent for the Patentee

18. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: **2612827**
Delivré: 2010-11-30
Titulaire actuel : H. LUNDBECK A/S

Titre : **BASE CRISTALLINE D'ESCITALOPRAM ET COMPRIMES ORODISPERSIBLE LA COMPRENANT**

Par la présente et sous réserve des dispositions du présent document, H. LUNDBECK A/S, à titre de propriétaire du brevet canadien no 2,612,827, intitulé «BASE CRISTALLINE D'ESCITALOPRAM ET COMPRIMES ORODISPERSIBLE LA COMPRENANT» (inventeurs DANCER, ROBERT; ELIASEN, HELLE; LILJEGREN, KEN; NIELSEN, OLE; PETERSEN, HANS; ROCK, MICHAEL HAROLD) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,612,827 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,612,827 se fait sans préjudice des droits H. LUNDBECK A/S sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,612,827 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,612,827.
Le breveté, H. LUNDBECK A/S, demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet,en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Montréal, au Québec, au Canada, ce 15e jour du mois de décembre 2020.
[signature]
Nom; : LAVERY, DE BILLY, LLP
Titre: Agent for the Patentee

19. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. **2555980**
Issued: 2010-08-03
Present Owner: H. LUNDBECK A/S

Title: **METHOD FOR THE SEPARATION OF INTERMEDIATES WHICH MAY BE USED FOR THE PREPARATION OF ESCITALOPRAM**

Subject to the terms of this document, H. LUNDBECK A/S, as the owner of Canadian Patent No. 2,555,980, entitled "METHOD FOR THE SEPARATION OF INTERMEDIATES WHICH MAY BE USED FOR THE PREPARATION OF ESCITALOPRAM" (inventor LYNGSO, LARS OLE) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,555,980 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,555,980 is made without any prejudice to the rights of H. LUNDBECK A/S in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,555,980 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,555,980.
The patentee, H. LUNDBECK A/S, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Montreal, Quebec, Canada this 15th day of December, 2020.
[signature]
Name: LAVERY, DE BILLY, LLP
Title: Agent for the Patentee

19. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: **2555980**
Delivré: 2010-08-03
Titulaire actuel : H. LUNDBECK A/S

Titre : **TECHNIQUE DE SEPARATION D'INTERMEDIAIRES POUVANT S'UTILISER POUR LA FABRICATION D'ESCITALOPRAM**

Par la présente et sous réserve des dispositions du présent document, H. LUNDBECK A/S, à titre de propriétaire du brevet canadien no 2,555,980, intitulé «TECHNIQUE DE SEPARATION D'INTERMEDIAIRES POUVANT S'UTILISER POUR LA FABRICATION D'ESCITALOPRAM» (inventeur LYNGSO, LARS OLE) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,555,980 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,555,980 se fait sans préjudice des droits H. LUNDBECK A/S sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,555,980 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,555,980.
Le breveté, H. LUNDBECK A/S, demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet,en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Montréal, au Québec, au Canada, ce 15e jour du mois de décembre 2020.
[signature]
Nom: LAVERY, DE BILLY, LLP
Titre: Agent for the Patentee

20. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. **2451915**
Issued: 2010-09-21
Present Owner: H. LUNDBECK A/S

Title: **CRYSTALLINE COMPOSITION CONTAINING ESCITALOPRAM**

Subject to the terms of this document, H. LUNDBECK A/S, as the owner of Canadian Patent No. 2,451,915, entitled "CRYSTALLINE COMPOSITION CONTAINING ESCITALOPRAM" (inventors ANDRESEN, LENE; ASSENZA, SEBASTIAN P.; CHRISTENSEN, TROELS VOLSGAARD; ELEMA, MICHIEL ONNE; LILJEGREN, KEN; MAHASHABDE, SHASHANK) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,451,915 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,451,915 is made without any prejudice to the rights of H. LUNDBECK A/S in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,451,915 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,451,915.
The patentee, H. LUNDBECK A/S, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Montreal, Quebec, Canada this 15th day of December, 2020.
[signature]
Name: LAVERY, DE BILLY, LLP
Title: Agent for the Patentee

20. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: **2451915**
Delivré: 2010-09-21
Titulaire actuel : H. LUNDBECK A/S

Titre : **COMPOSITION CRISTALLINE RENFERMANT DE L'ESCITALOPRAM**

Par la présente et sous réserve des dispositions du présent document, H. LUNDBECK A/S, à titre de propriétaire du brevet canadien no 2,451,915, intitulé «COMPOSITION CRISTALLINE RENFERMANT DE L'ESCITALOPRAM» (inventeurs ANDRESEN, LENE; ASSENZA, SEBASTIAN P.; CHRISTENSEN, TROELS VOLSGAARD; ELEMA, MICHIEL ONNE; LILJEGREN, KEN; MAHASHABDE, SHASHANK) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,451,915 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,451,915 se fait sans préjudice des droits H. LUNDBECK A/S sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,451,915 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,451,915.
Le breveté, H. LUNDBECK A/S, demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet,en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Montréal, au Québec, au Canada, ce 15e jour du mois de décembre 2020.
[signature]
Nom; : LAVERY, DE BILLY, LLP
Titre: Agent for the Patentee

21. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. **2451124**
Issued: 2009-11-24
Present Owner: H. LUNDBECK A/S

Title: **METHOD FOR THE PREPARATION OF ESCITALOPRAM**

Subject to the terms of this document, H. LUNDBECK A/S, as the owner of Canadian Patent No. 2,451,124, entitled "METHOD FOR THE PREPARATION OF ESCITALOPRAM" (inventors AHMADIAN, HALEH; ASSENZA, SEBASTIAN P.; BECH SOMMER, MICHAEL; BROSEN, PETER; COX, GEOFFREY; DAPREMONT, OLIVIER; GEISER, FIONA; HARIHARAN, SHANKAR; LEE, JAMES; NAIR, USHA; NIELSEN, OLE; PEDERSEN, HENRIK; PETERSEN, HANS; SUTEU, CHRISTINA) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,451,124 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,451,124 is made without any prejudice to the rights of H. LUNDBECK A/S in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,451,124 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,451,124.
The patentee, H. LUNDBECK A/S, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Montreal, Quebec, Canada this 15th day of December, 2020.
[signature]
Name: LAVERY, DE BILLY, LLP
Title: Agent for the Patentee

21. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: **2451124**
Delivré: 2009-11-24
Titulaire actuel : H. LUNDBECK A/S

Titre : **PROCEDE DE PREPARATION D'ESCITALOPRAM**

Par la présente et sous réserve des dispositions du présent document, H. LUNDBECK A/S, à titre de propriétaire du brevet canadien no 2,451,124, intitulé «PROCEDE DE PREPARATION D'ESCITALOPRAM» (inventeurs AHMADIAN, HALEH; ASSENZA, SEBASTIAN P.; BECH SOMMER, MICHAEL; BROSEN, PETER; COX, GEOFFREY; DAPREMONT, OLIVIER; GEISER, FIONA; HARIHARAN, SHANKAR; LEE, JAMES; NAIR, USHA; NIELSEN, OLE; PEDERSEN, HENRIK; PETERSEN, HANS; SUTEU, CHRISTINA) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,451,124 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,451,124 se fait sans préjudice des droits H. LUNDBECK A/S sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,451,124 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,451,124.
Le breveté, H. LUNDBECK A/S, demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet,en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Montréal, au Québec, au Canada, ce 15e jour du mois de décembre 2020.
[signature]
Nom: LAVERY, DE BILLY, LLP
Titre: Agent for the Patentee

22. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. **2450890**
Issued: 2011-02-15
Present Owner: H. LUNDBECK A/S

Title: **PROCESS FOR THE PREPARATION OF RACEMIC CITALOPRAM AND/OR S- OR R-CITALOPRAM BY SEPARATION OF A MIXTURE OF R- AND S-CITALOPRAM**

Subject to the terms of this document, H. LUNDBECK A/S, as the owner of Canadian Patent No. 2,450,890, entitled "PROCESS FOR THE PREPARATION OF RACEMIC CITALOPRAM AND/OR S- OR R-CITALOPRAM BY SEPARATION OF A MIXTURE OF R- AND S-CITALOPRAM" (inventors CHRISTENSEN, TROELS VOLSGAARD; DANCER, ROBERT; HUMBLE, RIKKE EVA; NIELSEN, OLE; PETERSEN, HANS; ROCK, MICHAEL HAROLD) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,450,890 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,450,890 is made without any prejudice to the rights of H. LUNDBECK A/S in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,450,890 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,450,890.
The patentee, H. LUNDBECK A/S, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Montreal, Quebec, Canada this 15th day of December, 2020.
[signature]
Name: LAVERY, DE BILLY, LLP
Title: Agent for the Patentee

22. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: **2450890**
Delivré: 2011-02-15
Titulaire actuel : H. LUNDBECK A/S

Titre : **PROCEDE DE PREPARATION DE CITALOPRAM RACEMIQUE ET/OU DE S- OU R-CITALOPRAM PAR SEPARATION D'UN MELANGE DE R- ET S-CITALOPRAM**

Par la présente et sous réserve des dispositions du présent document, H. LUNDBECK A/S, à titre de propriétaire du brevet canadien no 2,450,890, intitulé «PROCEDE DE PREPARATION DE CITALOPRAM RACEMIQUE ET/OU DE S- OU R-CITALOPRAM PAR SEPARATION D'UN MELANGE DE R- ET S-CITALOPRAM» (inventeurs CHRISTENSEN, TROELS VOLSGAARD; DANCER, ROBERT; HUMBLE, RIKKE EVA; NIELSEN, OLE; PETERSEN, HANS; ROCK, MICHAEL HAROLD) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,450,890 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,450,890 se fait sans préjudice des droits H. LUNDBECK A/S sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,450,890 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,450,890.
Le breveté, H. LUNDBECK A/S, demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet,en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Montréal, au Québec, au Canada, ce 15e jour du mois de décembre 2020.
[signature]
Nom: LAVERY, DE BILLY, LLP
Titre: Agent for the Patentee

23. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. **2360287**
Issued: 2003-09-09
Present Owner: H. LUNDBECK A/S

Title: **CRYSTALLINE BASE OF CITALOPRAM**

Subject to the terms of this document, H. LUNDBECK A/S, as the owner of Canadian Patent No. 2,360,287, entitled "CRYSTALLINE BASE OF CITALOPRAM" (inventors BOGESO, KLAUS PETER; HOLM, PER; PETERSEN, HANS) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,360,287 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,360,287 is made without any prejudice to the rights of H. LUNDBECK A/S in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,360,287 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,360,287.
The patentee, H. LUNDBECK A/S, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Montreal, Quebec, Canada this 15th day of December, 2020.
[signature]
Name: LAVERY, DE BILLY, LLP
Title: Agent for the Patentee

23. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: **2360287**
Delivré: 2003-09-09
Titulaire actuel : H. LUNDBECK A/S

Titre : **BASE CRISTALLINE DE CITALOPRAM**

Par la présente et sous réserve des dispositions du présent document, H. LUNDBECK A/S, à titre de propriétaire du brevet canadien no 2,360,287, intitulé «BASE CRISTALLINE DE CITALOPRAM» (inventeurs BOGESO, KLAUS PETER; HOLM, PER; PETERSEN, HANS) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,360,287 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,360,287 se fait sans préjudice des droits H. LUNDBECK A/S sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,360,287 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,360,287.
Le breveté, H. LUNDBECK A/S, demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet,en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Montréal, au Québec, au Canada, ce 15e jour du mois de décembre 2020.
[signature]
Nom; : LAVERY, DE BILLY, LLP
Titre: Agent for the Patentee

24. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. **2353693**
Issued: 2011-02-15
Present Owner: H. LUNDBECK A/S

Title: **PHARMACEUTICAL COMPOSITION CONTAINING CITALOPRAM**

Subject to the terms of this document, H. LUNDBECK A/S, as the owner of Canadian Patent No. 2,353,693, entitled "PHARMACEUTICAL COMPOSITION CONTAINING CITALOPRAM" (inventors HOLM, PER; LILJEGREN, KEN; NIELSEN, OLE; WAGNER, SVEN) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,353,693 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,353,693 is made without any prejudice to the rights of H. LUNDBECK A/S in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,353,693 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,353,693.
The patentee, H. LUNDBECK A/S, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Montreal, Quebec, Canada this 15th day of December, 2020.
[signature]
Name: LAVERY, DE BILLY, LLP
Title: Agent for the Patentee

24. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: **2353693**
Delivré: 2011-02-15
Titulaire actuel : H. LUNDBECK A/S

Titre : **COMPOSITIONS PHARMACEUTIQUES CONTENANT DU CITALOPRAME**

Par la présente et sous réserve des dispositions du présent document, H. LUNDBECK A/S, à titre de propriétaire du brevet canadien no 2,353,693, intitulé «COMPOSITIONS PHARMACEUTIQUES CONTENANT DU CITALOPRAME» (inventeurs HOLM, PER; LILJEGREN, KEN; NIELSEN, OLE; WAGNER, SVEN) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,353,693 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,353,693 se fait sans préjudice des droits H. LUNDBECK A/S sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,353,693 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,353,693.
Le breveté, H. LUNDBECK A/S, demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet,en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Montréal, au Québec, au Canada, ce 15e jour du mois de décembre 2020.
[signature]
Nom: LAVERY, DE BILLY, LLP
Titre: Agent for the Patentee

Canadian Patents Issued

August 16, 2022

Brevets canadiens délivrés

16 août 2022

---

[11] **2,717,193**
[13] C
[51] **Int.Cl. A61K 38/28 (2006.01)**
[25] EN
[54] **METHOD FOR ACHIEVING DESIRED GLIAL GROWTH FACTOR 2 PLASMA LEVELS**
[54] **METHODE PERMETTANT D'ATTEINDRE DES CONCENTRATIONS PLASMIQUES DESIREES DU FACTEUR DE CROISSANCE GLIALE 2**
[72] KIM, HAESUN, US
[72] CAGGIANO, ANTHONY O., US
[73] ACORDA THERAPEUTICS, INC., US
[85] 2010-08-30
[86] 2009-03-02 (PCT/US2009/001356)
[87] (WO2009/108390)
[30] US (61/067,589) 2008-02-29

---

[11] **2,734,207**
[13] C
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 7/02 (2006.01)**
[25] EN
[54] **ELECTRONIC FILE COMPARATOR**
[54] **COMPARATEUR DE FICHIERS ELECTRONIQUES**
[72] GARANDEAU, GAEL, FR
[72] DE LIGNIERES, TANGUY, FR
[72] DAGORN, CHRISTOPHE, FR
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2734207)
[87] (2734207)
[22] 2011-03-15
[30] EP (10305254.4) 2010-03-15

---

[11] **2,738,397**
[13] C
[51] **Int.Cl. C12N 1/12 (2006.01) A01G 33/00 (2006.01) C12M 1/00 (2006.01) C12M 3/00 (2006.01) C12N 1/00 (2006.01) C12N 1/20 (2006.01) C12N 5/04 (2006.01)**
[25] EN
[54] **PRODUCING BIOMASS USING PRESSURIZED EXHAUST GAS**
[54] **PRODUCTION DE BIOMASSE A L'AIDE DE GAZ D'ECHAPPEMENT PRESSURISE**
[72] MARTIN, STEVEN C., CA
[72] KOLESNIK, MAX, CA
[72] GONZALEZ, JAIME A., CA
[73] POND TECHNOLOGIES INC., CA
[86] (2738397)
[87] (2738397)
[22] 2011-04-29
[30] US (12/784,141) 2010-05-20
[30] US (13/022,396) 2011-02-07

---

[11] **2,741,110**
[13] C
[51] **Int.Cl. C12N 15/12 (2006.01) A01K 67/027 (2006.01) C07K 14/47 (2006.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETERMINING GENETIC POLYMORPHISMS IN THE TMEM216 GENE**
[54] **COMPOSITIONS ET METHODES DE DETERMINATION DES POLYMORPHISMES GENETIQUES DU GENE TMEM216**
[72] GLEESON, JOSEPH G., US
[72] SILHAVY, JENNIFER, US
[72] VALENTE, ENZA MARIA, US
[72] BRANCATI, FRANCESCO, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[73] FONDAZIONE CASA SOLLIEVO DELLA SOFFERENZA, IT
[86] (2741110)
[87] (2741110)
[22] 2011-05-24
[30] US (13/098,345) 2011-04-29

---

[11] **2,788,261**
[13] C
[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **METHOD OF TREATING MULTIPLE SCLEROSIS**
[54] **PROCEDE DE TRAITEMENT DE LA SCLEROSE EN PLAQUES**
[72] DELUCA, HECTOR F., US
[72] BECKLUND, BRYAN R., US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2012-07-26
[86] 2011-02-03 (PCT/US2011/023608)
[87] (WO2011/097383)
[30] US (61/301,820) 2010-02-05

[11] **2,799,595**
[13] C
[51] **Int.Cl. C07K 16/00 (2006.01) A61K 39/395 (2006.01) A61P 29/00 (2006.01) C07K 16/28 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING ANTIBODIES HAVING IMPROVED PROPERTIES**
[54] **METHODE DE SYNTHESE D'ANTICORPS PRESENTANT DES PROPRIETES AMELIOREES**
[72] STADHEIM, TERRANCE A., US
[72] ZHA, DONGXING, US
[72] LIU, LIMING, US
[73] MERCK SHARP & DOHME CORP., US
[85] 2012-11-14
[86] 2011-05-25 (PCT/US2011/037826)
[87] (WO2011/149999)
[30] US (61/348,968) 2010-05-27

[11] **2,815,391**
[13] C
[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND INTERFACES FOR DISPLAY OF INLINE CONTENT AND BLOCK LEVEL CONTENT ON AN ACCESS DEVICE**
[54] **SYSTEMES, PROCEDES ET INTERFACES POUR L'AFFICHAGE D'UN CONTENU EN LIGNE ET D'UN CONTENU DE NIVEAU DE BLOC SUR UN DISPOSITIF D'ACCES**
[72] BENNETT, DANIEL, US
[72] DAUP, JOHN SCOTT, US
[73] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
[85] 2013-04-19
[86] 2012-10-22 (PCT/US2012/061255)
[87] (WO2013/059766)
[30] US (13/278,568) 2011-10-21

[11] **2,822,693**
[13] C
[51] **Int.Cl. A61K 51/08 (2006.01) C07K 14/31 (2006.01)**
[25] EN
[54] **RADIOLABLED HER2 BINDING PEPTIDES**
[54] **COMPOSES DE LIAISON A HER2**
[72] SYUD, FAISAL, US
[72] LEE, BRIAN DUH-LAN, US
[72] ZHANG, RONG, US
[72] IVESON, PETER, GB
[72] SCHAFFER, PAUL, CA
[72] ERIKSSON, TOVE, SE
[72] GUNNERIUSSON, ELIN, SE
[72] FREJD, FREDRIK, SE
[72] ABRAHMSEN, LARS, SE
[72] FELDWISCH, JOACHIM, SE
[72] HERNE, NINA, SE
[72] LENDEL, CHRISTOFER, SE
[73] GENERAL ELECTRIC COMPANY, US
[73] AFFIBODY AB, SE
[85] 2013-06-18
[86] 2011-12-19 (PCT/US2011/065777)
[87] (WO2012/096760)
[30] US (12/975,425) 2010-12-22
[30] US (61/438,297) 2011-02-01
[30] US (61/510,520) 2011-07-22
[30] US (61/541,287) 2011-09-30

[11] **2,823,044**
[13] C
[51] **Int.Cl. C12N 15/09 (2006.01) C07K 16/18 (2006.01) C12N 15/10 (2006.01) C12N 15/12 (2006.01) C12N 15/63 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **EXPRESS HUMANIZATION OF ANTIBODIES**
[54] **HUMANISATION EXPRESS D'ANTICORPS**
[72] SHORT, JAY M., US
[73] BIOATLA, LLC, US
[85] 2013-06-25
[86] 2011-12-28 (PCT/US2011/067589)
[87] (WO2012/092374)
[30] US (61/428,917) 2010-12-31

[11] **2,827,052**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 39/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **ANTI-ALPHA-V INTEGRIN ANTIBODY FOR THE TREATMENT OF PROSTATE CANCER**
[54] **ANTICORPS ANTI-ALPHA-V INTEGRINE POUR LE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] HOFFMANN, AXEL, DE
[72] LANNERT, HEINRICH, DE
[72] BRISCHWEIN, KLAUS, DE
[72] PIPP, FREDERIC CHRISTIAN, DE
[72] REINDL, JUERGEN, DE
[72] GROLL, KARIN, DE
[72] ZUEHLSDORF, MICHAEL, DE
[72] PFAFF, OTMAR, DE
[72] RAAB, SABINE, DE
[72] DAU, ULRIKE, DE
[72] DESTENAVES, BENOIT, FR
[73] MERCK PATENT GMBH, DE
[85] 2013-08-09
[86] 2012-02-07 (PCT/EP2012/000548)
[87] (WO2012/107211)
[30] EP (11001135.0) 2011-02-11

[11] **2,827,873**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6809 (2018.01)**
[25] EN
[54] **MOLECULAR TESTING OF MULTIPLE PREGNANCIES**
[54] **TEST MOLECULAIRE DE GROSSESSES MULTIPLES**
[72] LO, YUK MING DENNIS, CN
[72] CHIU, WAI KWUN ROSSA, CN
[72] CHAN, KWAN CHEE, CN
[72] LEUNG, TAK YEUNG, CN
[72] JIANG, PEIYONG, CN
[73] THE CHINESE UNIVERSITY OF HONG KONG, CN
[85] 2013-08-20
[86] 2012-02-24 (PCT/IB2012/000344)
[87] (WO2013/041921)
[30] US (61/446,256) 2011-02-24

[11] **2,828,713**
[13] C
[51] **Int.Cl. C07D 405/10 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ALKYNE SUBSTITUTED QUINAZOLINE COMPOUNDS AND METHODS OF USE**
[54] **COMPOSE QUINAZOLINE SUBSTITUE PAR ALCYNE ET METHODES D'UTILISATION**
[72] SHEN, WANG, US
[72] ZHANG, AIMIN, US
[72] MAUNG, JACK, US
[72] ZHENG, XIAOLING, US
[73] NEWGEN THERAPEUTICS, INC., US
[85] 2013-08-29
[86] 2012-03-02 (PCT/US2012/027614)
[87] (WO2012/122058)
[30] US (61/449,088) 2011-03-04

[11] **2,834,924**
[13] C
[51] **Int.Cl. C12N 9/36 (2006.01)**
[25] EN
[54] **ENDOLYSIN POLYPEPTIDE OF A S. AUREUS BACTERIOPHAGE**
[54] **POPYLPEPTIDE ENDOLYSINE D'UN BACTERIOPHAGE S. AUREUS**
[72] LOESSNER, MARTIN JOHANNES, CH
[72] EICHENSEHER, FRITZ, CH
[73] MICREOS HUMAN HEALTH B.V., NL
[85] 2013-11-01
[86] 2011-05-04 (PCT/NL2011/050307)
[87] (WO2012/150858)

[11] **2,836,470**
[13] C
[51] **Int.Cl. G06Q 10/02 (2012.01) G06Q 20/32 (2012.01) G07B 15/00 (2011.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR DISTRIBUTING ELECTRONIC TICKETS WITH VISUAL DISPLAY FOR VERIFICATION**
[54] **PROCEDE ET SYSTEME DE DISTRIBUTION DE BILLETS ELECTRONIQUES AVEC AFFICHAGE VISUEL POUR VERIFICATION**
[72] BERGDALE, MICAH, US
[72] GRASSER, MATHEW, US
[72] GUESS, CHRISTOPHER, US
[72] IHM, NICHOLAS, US
[72] KRUECKEBERG, SAMUEL, US
[72] VALYER, GREGORY, US
[73] BYTEMARK, INC., US
[85] 2013-11-15
[86] 2012-05-18 (PCT/US2012/038707)
[87] (WO2013/006228)
[30] US (13/110,709) 2011-05-18

[11] **2,837,208**
[13] C
[51] **Int.Cl. G06Q 20/36 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **A SYSTEM FOR PAYMENT VIA ELECTRONIC WALLET**
[54] **SYSTEME DE PAIEMENT PAR L'INTERMEDIAIRE D'UN PORTEFEUILLE ELECTRONIQUE**
[72] CAMPOS, TOMAS ARIEL, US
[72] MILLER, KEITH, US
[72] LLACH, TERI, US
[72] HARPER, KELLIE D., US
[72] ANSARI, ANSAR, US
[73] BLACKHAWK NETWORK, INC., US
[85] 2013-11-22
[86] 2012-05-30 (PCT/US2012/039981)
[87] (WO2012/166790)
[30] US (61/491,813) 2011-05-31
[30] US (61/491,791) 2011-05-31
[30] US (61/496,397) 2011-06-13
[30] US (61/496,404) 2011-06-13

[11] **2,838,433**
[13] C
[51] **Int.Cl. G01H 9/00 (2006.01) G01V 1/18 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR LOCATING AN ACCOUSTIC SOURCE**
[54] **PROCEDE ET SYSTEME DE LOCALISATION D'UNE SOURCE ACOUSTIQUE**
[72] FARHADIROUSHAN, MAHMOUD, GB
[72] PARKER, TOM, GB
[72] YOUSIF, KAMIL, GB
[73] CHEVRON U.S.A. INC., US
[73] SILIXA LTD, GB
[85] 2013-12-05
[86] 2012-06-06 (PCT/GB2012/000490)
[87] (WO2012/168679)
[30] GB (1109372.1) 2011-06-06
[30] GB (1113381.6) 2011-08-03

[11] **2,839,647**
[13] C
[51] **Int.Cl. C07D 475/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07K 5/02 (2006.01)**
[25] EN
[54] **FOLATE CONJUGATES OF ALBUMIN-BINDING ENTITIES**
[54] **CONJUGUES AVEC DES FOLATES D'ENTITES DE LIAISON DE L'ALBUMINE**
[72] SCHIBLI, ROGER, CH
[72] MOSER, RUDOLF, CH
[72] MULLER, CRISTINA MAGDALENA, CH
[72] STRUTHERS, HARRIET, CH
[72] GROEHN, VIOLA, CH
[72] AMETAMEY, SIMON MENSAH, CH
[72] FISCHER, CINDY RAMONA, CH
[73] MERCK & CIE, CH
[85] 2013-12-17
[86] 2012-08-10 (PCT/EP2012/065702)
[87] (WO2013/024035)
[30] EP (11177732.2) 2011-08-17

[11] **2,840,460**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 37/06 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) G01N 33/566 (2006.01)**
[25] EN
[54] **ANTIBODIES THAT BIND TO OX40 AND THEIR USES**
[54] **ANTICORPS QUI SE LIENT A L'OX40 ET LEURS UTILISATIONS**
[72] ATTINGER, ANTOINE, CH
[72] BLEIN, STANISLAS, CH
[72] BACK, JONATHAN ALBERT, CH
[72] LISSILAA, RAMI, CH
[72] HOU, SAMUEL, CH
[73] ICHNOS SCIENCES SA, CH
[85] 2013-12-19
[86] 2012-07-09 (PCT/IB2012/053502)
[87] (WO2013/008171)
[30] US (61/506,491) 2011-07-11

[11] **2,844,306**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTI-TIE2 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-TIE2 ET UTILISATIONS ASSOCIEES**
[72] THURSTON, GAVIN, US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2014-02-04
[86] 2012-08-16 (PCT/US2012/051038)
[87] (WO2013/028442)
[30] US (61/525,308) 2011-08-19
[30] US (61/587,213) 2012-01-17
[30] US (61/674,405) 2012-07-23

[11] **2,847,774**
[13] C
[51] **Int.Cl. A47J 43/00 (2006.01) B26D 3/08 (2006.01)**
[25] EN
[54] **FOOD SLOTTING DEVICE AND METHOD**
[54] **DISPOSITIF ET METHODE SERVANT A FENDRE DES ALIMENTS**
[72] CRICHTON, DANIEL J., CA
[73] CRICHTON, DANIEL J., CA
[86] (2847774)
[87] (2847774)
[22] 2014-04-01

[11] **2,850,156**
[13] C
[51] **Int.Cl. A61F 5/56 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **NASAL INSERT AND CANNULA AND METHODS FOR THE USE THEREOF**
[54] **EMBOUT ET CANULE NASAUX ET LEURS PROCEDES D'UTILISATION**
[72] FOLEY, MARTIN P., CA
[72] GRYCHOWSKI, JERRY, US
[73] TRUDELL MEDICAL INTERNATIONAL, CA
[85] 2014-03-26
[86] 2012-09-28 (PCT/IB2012/001929)
[87] (WO2013/046013)
[30] US (61/540,740) 2011-09-29

[11] **2,852,323**
[13] C
[51] **Int.Cl. F02C 7/00 (2006.01) F01D 17/00 (2006.01)**
[25] EN
[54] **DIFFUSER PIPE FOR A GAS TURBINE ENGINE AND METHOD FOR MANUFACTURING SAME**
[54] **TUYAU DIFFUSEUR POUR UN MOTEUR A TURBINE A GAZ ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] THERATIL, IGNATIUS, CA
[72] ABATE, ALDO, CA
[72] BALKIE, KRISHNA PRASAD, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2852323)
[87] (2852323)
[22] 2014-05-23
[30] US (61/835,701) 2013-06-17

[11] **2,854,817**
[13] C
[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/40 (2006.01) A61P 31/04 (2006.01) C07K 16/12 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES USING ANTI-PSEUDOMONAS PSL AND PCRV BINDING MOLECULES**
[54] **POLYTHERAPIES UTILISANT DES MOLECULES DE LIAISON ANTI-PSL ET PCRV DE PSEUDOMONAS**
[72] DIGIANDOMENICO, ANTONIO, US
[72] WARRENER, PAUL, US
[72] STOVER, CHARLES, US
[72] SELLMAN, BRET, US
[72] MINTER, RALPH, GB
[72] GUILLARD, SANDRINE, GB
[72] RUST STEVEN, GB
[72] TOMICH, MLADEN, US
[72] VENKATRAMAN, VIGNESH, GB
[72] VARKEY, REENA, US
[72] PENG, LI, US
[72] DAMSCHRODER, MELISSA, US
[72] CHOWDHURY, PARTHA, US
[72] DIMASI, NAZZARENO, US
[72] FLEMING, RYAN, US
[72] BEZABEH, BINYAM, US
[72] GAO, CHANGSHOU, US
[72] RAINEY, GODFREY, US
[72] GAO, CUIHUA, US
[73] MEDIMMUNE LIMITED, GB
[85] 2014-05-06
[86] 2012-11-06 (PCT/US2012/063722)
[87] (WO2013/070615)
[30] US (61/556,645) 2011-11-07
[30] US (61/625,299) 2012-04-17
[30] US (61/697,585) 2012-09-06

[11] **2,857,019**
[13] C
[51] **Int.Cl. C12N 15/12 (2006.01) A61K 38/17 (2006.01) A61P 29/00 (2006.01) C07K 14/705 (2006.01) C07K 16/00 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **SOLUBLE TANDEM SELECTIN GLYCOPROTEIN LIGAND MOLECULES**
[54] **MOLECULES DE LIAISON DE GLYCOPROTEINE DE SELECTINE EN TANDEM SOLUBLES**
[72] SHAW, GRAY D., US
[73] SHAW, GRAY D., US
[85] 2014-05-26
[86] 2012-11-28 (PCT/US2012/066910)
[87] (WO2013/082200)
[30] US (61/564,275) 2011-11-28

[11] **2,858,255**
[13] C
[51] **Int.Cl. A62D 1/00 (2006.01)**
[25] EN
[54] **SHEAR THINNING THIXOTROPIC AQUEOUS DISPERSIONS FOR FIRE SUPPRESSION**
[54] **DISPERSION AQUEUSE D'EXTINCTION D'INCENDIE ET LEURS PRECURSEURS EN POUDRE**
[72] PALAIKIS, LIANA VICTORIA, US
[72] GUIMONT, NATHANIEL PAUL, US
[73] EARTHCLEAN CORPORATION, US
[85] 2014-06-04
[86] 2012-12-19 (PCT/US2012/070518)
[87] (WO2013/096393)
[30] US (61/578,422) 2011-12-21
[30] US (61/644,015) 2012-05-08

[11] **2,860,733**
[13] C
[51] **Int.Cl. H01H 71/04 (2006.01) H01H 83/02 (2006.01) H01H 83/04 (2006.01)**
[25] EN
[54] **CONTROLLABLE TEST-PULSE WIDTH AND POSITION FOR SELF-TEST GROUND FAULT CIRCUIT INTERRUPTER**
[54] **LARGEUR D'IMPULSION DE TEST COMMANDEE ET POSITION POUR DISJONCTEUR DE FUITE A LA TERRE A AUTOCONTROLE**
[72] SIMONIN, STEPHEN PAUL, US
[73] HUBBELL INCORPORATED, US
[86] (2860733)
[87] (2860733)
[22] 2014-08-27
[30] US (61/870,452) 2013-08-27
[30] US (14/468,224) 2014-08-25

[11] **2,861,162**
[13] C
[51] **Int.Cl. H01P 3/16 (2006.01) H01P 1/202 (2006.01) H01P 1/207 (2006.01)**
[25] EN
[54] **RUGGEDIZED LOW-REFLECTION/HIGH TRANSMISSION INTEGRATED SPINDLE FOR PARALLEL-PLATE TRANSMISSION-LINE STRUCTURES**
[54] **TIGE INTEGREE A TRANSMISSION ELEVEE ET FAIBLE REFLEXION RENFORCEE POUR STRUCTURES DE LIGNES DE TRANSMISSION A PLAQUE PARALLELE**
[72] MILROY, WILLIAM, US
[72] SOR, JAMES, US
[73] THINKOM SOLUTIONS, INC., US
[86] (2861162)
[87] (2861162)
[22] 2014-08-28
[30] US (14/013,055) 2013-08-29

[11] **2,862,098**
[13] C
[51] **Int.Cl. A01H 5/00 (2018.01) A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 1/04 (2006.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **TOMATO PLANT COMPRISING A MUTANT TGHVI ALLELE**
[54] **PLANTE DE TOMATE COMPORTANT UN ALLELE MUTANT DE TGHVI**
[72] VERHOEF, RUDOLF, NL
[72] DRAGER, DORTHE BETTINA, NL
[72] VOGELAAR, ARIE, NL
[72] VAN HERWIJNEN, ZEGER OTTO, NL
[73] RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V., NL
[85] 2014-07-21
[86] 2013-02-07 (PCT/EP2013/052391)
[87] (WO2013/117623)
[30] EP (12154257.5) 2012-02-07

[11] **2,863,574**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01) G07F 9/02 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CUSTOMIZING INVENTORY IN AN AUTOMATED DISPENSING CABINET**
[54] **PROCEDES ET SYSTEMES DE PERSONNALISATION D'INVENTAIRE DANS UN DISTRIBUTEUR AUTOMATIQUE**
[72] NORDMAN, GARY, CA
[72] ROSS, BARNEY, CA
[72] KLODA, MAREK, CA
[72] WALLING, BRITT, CA
[72] GRASBY, SEAN, CA
[72] CASTANO, SAMUEL, US
[73] W. W. GRAINGER, INC., US
[85] 2014-07-31
[86] 2012-02-03 (PCT/US2012/023731)
[87] (WO2013/115826)
[30] US (13/365,047) 2012-02-02

[11] **2,864,250**
[13] C
[51] **Int.Cl. A61K 38/17 (2006.01) A61K 38/16 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR THE PREVENTION OR TREATMENT OF NON-ALCOHOLIC FATTY LIVER DISEASE COMPRISING AN EXENDIN-4 CONJUGATE**
[54] **COMPOSITION PHARMACEUTIQUE POUR LA PREVENTION OU LE TRAITEMENT D'UNE STEATOSE HEPATIQUE NON ALCOOLIQUE COMPRENANT UN CONJUGUE D'EXENDINE-4**
[72] LIM, SE YOUNG, KR
[72] PARK, SUNG HEE, KR
[72] SHIN, RYOUNG AE, KR
[72] CHOI, IN YOUNG, KR
[72] KWON, SE CHANG, KR
[73] HANMI SCIENCE CO., LTD., KR
[85] 2014-08-08
[86] 2013-03-08 (PCT/KR2013/001897)
[87] (WO2013/133667)
[30] KR (10-2012-0024632) 2012-03-09

[11] **2,870,734**
[13] C
[51] **Int.Cl. C12Q 1/00 (2006.01) A61P 25/28 (2006.01) C40B 30/06 (2006.01) G01N 33/15 (2006.01) A61K 31/4409 (2006.01)**
[25] EN
[54] **METHODS OF USING SUSTAINED RELEASE AMINOPYRIDINE COMPOSITIONS**
[54] **UTILISATION DE COMPOSITIONS D'AMINOPYRIDINE A LIBERATION SOUTENUE**
[72] BLIGHT, ANDREW R., US
[72] MARINUCCI, LAWRENCE, US
[72] COHEN, RON, US
[73] ACORDA THERAPEUTICS, INC., US
[86] (2870734)
[87] (2870734)
[22] 2005-04-11
[62] 2,562,277
[30] US (60/560,894) 2004-04-09
[30] US (11/102,559) 2005-04-08

[11] **2,872,021**
[13] C
[51] **Int.Cl. A61K 38/26 (2006.01) A61K 31/426 (2006.01) A61K 31/4985 (2006.01) A61K 45/06 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01)**
[25] EN
[54] **GLUCOKINASE ACTIVATOR COMPOSITIONS FOR THE TREATMENT OF DIABETES**
[54] **COMPOSITIONS D'ACTIVATEUR DE LA GLUCOKINASE POUR LE TRAITEMENT DU DIABETE**
[72] VALCARCE LOPEZ, MARIA CARMEN, US
[72] FONG, TUNG, US
[73] VTV THERAPEUTICS LLC, US
[85] 2014-10-29
[86] 2013-05-15 (PCT/US2013/041076)
[87] (WO2013/173417)
[30] US (61/648,110) 2012-05-17

[11] **2,873,602**
[13] C
[51] **Int.Cl. A61K 38/48 (2006.01) A61K 9/70 (2006.01) A61K 38/00 (2006.01) A61L 15/44 (2006.01) A61P 7/04 (2006.01)**
[25] EN
[54] **STERILE COMPOSITION**
[54] **COMPOSITION STERILISEE**
[72] KAGEYAMA, YUKAKO, JP
[72] FUJINAGA, KENTARO, JP
[72] YAMAGUCHI, AYUKO, JP
[72] HONDA, SUSUMU, JP
[72] SATAKE, MAKOTO, JP
[72] KANEKO, HIROAKI, JP
[72] ISHIWARI, AYUMI, JP
[73] TEIJIN LIMITED, JP
[73] TEIJIN PHARMA LIMITED, JP
[73] KM BIOLOGICS CO., LTD., JP
[85] 2014-11-13
[86] 2013-05-13 (PCT/JP2013/063868)
[87] (WO2013/172468)
[30] JP (2012-110390) 2012-05-14
[30] JP (2012-110765) 2012-05-14
[30] JP (2013-040593) 2013-03-01

[11] **2,873,756**
[13] C
[51] **Int.Cl. C07K 1/113 (2006.01) A61K 47/59 (2017.01) A61K 47/60 (2017.01) A61K 47/61 (2017.01) C07K 1/107 (2006.01) C07K 1/14 (2006.01) C07K 14/745 (2006.01) C08B 31/00 (2006.01) C08B 37/00 (2006.01) C08G 65/333 (2006.01) C12N 9/64 (2006.01)**
[25] EN
[54] **NUCLEOPHILIC CATALYSTS FOR OXIME LINKAGE**
[54] **CATALYSEURS NUCLEOPHILES POUR LIAISON OXIME**
[72] SIEKMANN, JUERGEN, AT
[72] HAIDER, STEFAN, AT
[72] ROTTENSTEINER, HANSPETER, AT
[72] TURECEK, PETER, AT
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2014-11-14
[86] 2013-05-16 (PCT/US2013/041280)
[87] (WO2013/173543)
[30] US (61/647,814) 2012-05-16
[30] US (13/488,043) 2012-06-04

[11] **2,874,829**
[13] C
[51] **Int.Cl. C12N 1/20 (2006.01) C12P 7/46 (2006.01)**
[25] EN
[54] **BETAINE ENHANCEMENT OF ACTINOBACILLUS SUCCINOGENES FERMENTATION TO MAKE SUCCINIC ACID**
[54] **ENRICHISSEMENT EN BETAINE DE LA FERMENTATION D'ACTINOBACILLUS SUCCINOGENES POUR LA PRODUCTION D'ACIDE SUCCINIQUE**
[72] MORRISS, JILL, US
[73] ARCHER-DANIELS-MIDLAND COMPANY, US
[85] 2014-11-25
[86] 2013-06-27 (PCT/US2013/048032)
[87] (WO2014/004753)
[30] US (61/666,172) 2012-06-29

[11] **2,875,414**
[13] C
[51] **Int.Cl. B64D 43/02 (2006.01) G01D 5/243 (2006.01)**
[25] EN
[54] **AIRCRAFT LIFT TRANSDUCER**
[54] **DETECTEUR D'ANGLE D'ATTAQUE POUR AERONEF**
[72] TISEO, JOSEPH S., US
[72] GREENE, RANDALL A., US
[73] SAFE FLIGHT INSTRUMENTS, LLC, US
[86] (2875414)
[87] (2875414)
[22] 2014-12-16
[30] US (14/139,566) 2013-12-23

---

[11] **2,876,909**
[13] C
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 47/30 (2006.01)**
[25] EN
[54] **ITRACONAZOLE COMPOSITIONS AND DOSAGE FORMS, AND METHODS OF USING THE SAME**
[54] **COMPOSITIONS ET FORMES GALENIQUES D'ITRACONAZOLE ET LEURS PROCEDES D'UTILISATION**
[72] MUDGE, STUART JAMES, AU
[72] HAYES, DAVID, AU
[72] LUKAS, STEFAN, AU
[73] MAYNE PHARMA INTERNATIONAL PTY. LTD., AU
[85] 2014-12-15
[86] 2013-06-21 (PCT/US2013/047135)
[87] (WO2013/192566)
[30] AU (2012902624) 2012-06-21

---

[11] **2,877,049**
[13] C
[51] **Int.Cl. A61N 1/36 (2006.01) A61B 5/08 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **TRANSVASCULAR DIAPHRAGM PACING SYSTEMS AND METHODS OF USE**
[54] **SYSTEMES DE STIMULATION DE DIAPHRAGME TRANSVASCULAIRE ET PROCEDES D'UTILISATION**
[72] MEYYAPPAN, RAMASAMY, CA
[72] HOFFER, JOAQUIN ANDRES, CA
[72] BARU, MARCELO, US
[72] COQUINCO, BERNARD, CA
[72] TANG, JESSICA KIT-SUM, CA
[72] SANDOVAL, RODRIGO ANDRES, CA
[73] LUNGPACER MEDICAL INC., CA
[85] 2014-12-17
[86] 2013-06-21 (PCT/CA2013/000594)
[87] (WO2013/188965)
[30] US (61/662,579) 2012-06-21

---

[11] **2,877,218**
[13] C
[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/34 (2012.01) G10L 25/60 (2013.01)**
[25] EN
[54] **METHOD FOR SECURING A TRANSACTION PERFORMED BY BANK CARD**
[54] **PROCEDE POUR SECURISER UNE TRANSACTION EFFECTUEE AVEC CARTE BANCAIRE**
[72] LEGER, MICHEL, FR
[73] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[86] (2877218)
[87] (2877218)
[22] 2015-01-09
[30] FR (1450356) 2014-01-16

---

[11] **2,877,533**
[13] C
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **NOVEL VISTA-IG CONSTRUCTS AND THE USE OF VISTA-IG FOR TREATMENT OF AUTOIMMUNE, ALLERGIC AND INFLAMMATORY DISORDERS**
[54] **NOUVEAUX PRODUITS DE RECOMBINAISON VISTA-IG ET LEUR UTILISATION DANS LE TRAITEMENT DES TROUBLES AUTOIMMUNS, ALLERGIQUES ET INFLAMMATOIRES**
[72] NOELLE, RANDOLPH J., US
[72] CEERAZ, SABRINA, US
[72] LEMERCIER, ISABELLE, US
[72] NOWAK, ELIZABETH, US
[72] LINES, JANET LOUISE, GB
[73] THE TRUSTEES OF DARTMOUTH COLLEGE, US
[73] KING'S COLLEGE LONDON, GB
[85] 2014-12-19
[86] 2013-06-21 (PCT/US2013/047009)
[87] (WO2013/192504)
[30] US (61/663,431) 2012-06-22
[30] US (61/663,969) 2012-06-25
[30] US (61/735,799) 2012-12-11
[30] US (61/776,234) 2013-03-11
[30] US (61/807,135) 2013-04-01

---

[11] **2,878,858**
[13] C
[51] **Int.Cl. A61K 6/54 (2020.01)**
[25] EN
[54] **COMPOSITE SEALANT COMPOSITIONS FOR ENDODONTIC PROCEDURES**
[54] **COMPOSITIONS DE SCELLANT COMPOSITE DESTINEES A DES INTERVENTIONS ENDODONTIQUES**
[72] BERGER, TODD, US
[72] WILKINSON, KEVIN, US
[72] BARANTZ, ADAM, US
[72] AMMON, DAN, US
[73] DENTSPLY INTERNATIONAL INC., US
[85] 2015-01-09
[86] 2013-07-15 (PCT/US2013/050550)
[87] (WO2014/012112)
[30] US (61/671,251) 2012-07-13

[11] **2,879,099**
[13] C
[51] **Int.Cl. E02F 3/43 (2006.01) E02F 9/22 (2006.01)**
[25] EN
[54] **CONTROLLING A CROWD PARAMETER OF AN INDUSTRIAL MACHINE**
[54] **CONTROLER UN PARAMETRE D'OPERATION DE CREUSEMENT D'UNE MACHINE INDUSTRIELLE**
[72] LEE, MOOYOUNG, US
[73] JOY GLOBAL SURFACE MINING INC, US
[86] (2879099)
[87] (2879099)
[22] 2015-01-21
[30] US (61/929,646) 2014-01-21

[11] **2,879,140**
[13] C
[51] **Int.Cl. E21B 41/00 (2006.01)**
[25] EN
[54] **JUNK BASKET AND RELATED COMBINATIONS AND METHODS**
[54] **PANIER DE DECHETS ET COMBINAISONS ET PROCEDES CONNEXES**
[72] HOLTBY, QUINN A. J., CA
[72] GREENWOOD, DALLAS, CA
[73] KATCH KAN HOLDINGS LTD., CA
[86] (2879140)
[87] (2879140)
[22] 2015-01-21
[30] US (61/932,897) 2014-01-29

[11] **2,879,923**
[13] C
[51] **Int.Cl. F04D 29/30 (2006.01) F01D 5/14 (2006.01)**
[25] EN
[54] **SHROUD TREATMENT FOR A CENTRIFUGAL COMPRESSOR**
[54] **TRAITEMENT DE CARENAGE POUR COMPRESSEUR CENTRIFUGE**
[72] DUONG, HIEN, CA
[72] KANDASAMY, VIJAY, IN
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2879923)
[87] (2879923)
[22] 2015-01-26
[30] US (14/164,494) 2014-01-27

[11] **2,880,662**
[13] C
[51] **Int.Cl. H01L 51/30 (2006.01) B82Y 30/00 (2011.01)**
[25] EN
[54] **CNT THIN FILM TRANSISTOR WITH HIGH K POLYMERIC DIELECTRIC**
[54] **TRANSISTOR A FILM MINCE A NANOTUBES DE CARBONE AVEC MATERIAU DIELECTRIQUE POLYMERE A K ELEVE**
[72] DU, NAIYING, CA
[72] MALENFANT, PATRICK, CA
[72] LI, ZHAO, CA
[72] LEFEBVRE, JACQUES, CA
[72] DUBEY, GIRJESH, DE
[72] LOPINSKI, GREGORY, CA
[72] ZOU, SHAN, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[86] (2880662)
[87] (2880662)
[22] 2015-01-30
[30] EP (14153150) 2014-01-30

[11] **2,881,764**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **KIR3DL2 BINDING AGENTS**
[54] **AGENTS DE LIAISON A KIR3DL2**
[72] GAUTHIER, LAURENT, FR
[72] ROSSI, BENJAMIN, FR
[72] SICARD, HELENE, FR
[72] PATUREL, CARINE, FR
[73] INNATE PHARMA, FR
[85] 2015-02-11
[86] 2013-09-17 (PCT/EP2013/069293)
[87] (WO2014/044681)
[30] US (61/702,823) 2012-09-19

[11] **2,885,044**
[13] C
[51] **Int.Cl. E21F 1/14 (2006.01) E21F 1/08 (2006.01)**
[25] EN
[54] **MINE STOPPING PANEL AND METHOD OF MANUFACTURE**
[54] **PANNEAU D'ARRET D'EXPLOITATION MINIERE ET METHODE DE FABRICATION**
[72] KENNEDY, WILLIAM R., US
[72] KENNEDY, JOHN M., US
[73] JACK KENNEDY METAL PRODUCTS & BUILDINGS, INC., US
[86] (2885044)
[87] (2885044)
[22] 2015-03-13
[30] US (61/954,158) 2014-03-17

[11] **2,887,183**
[13] C
[51] **Int.Cl. F26B 15/12 (2006.01) F26B 17/24 (2006.01) F26B 25/04 (2006.01)**
[25] EN
[54] **DRYING OF MATERIAL**
[54] **SECHAGE DE MATIERE**
[72] ISOKAANTA, JANI, FI
[72] AULA, MATTI, FI
[72] ROININEN, JUHA, FI
[73] SFTEC OY, FI
[86] (2887183)
[87] (2887183)
[22] 2015-04-08
[30] FI (20145343) 2014-04-10

[11] **2,887,949**
[13] C
[51] **Int.Cl. H04L 12/16 (2006.01) H04W 4/12 (2009.01) G06F 3/048 (2013.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENABLING CUSTOMIZED NOTIFICATIONS ON AN ELECTRONIC DEVICE**
[54] **SYSTEMES ET PROCEDES PERMETTANT LES NOTIFICATIONS PERSONNALISEES SUR UN DISPOSITIF ELECTRONIQUE**
[72] STEEVES, RYAN D., CA
[73] BLACKBERRY LIMITED, CA
[86] (2887949)
[87] (2887949)
[22] 2015-04-16
[30] US (14/255452) 2014-04-17

[11] **2,888,496**
[13] C
[51] **Int.Cl. C07K 16/22 (2006.01) A61K 39/395 (2006.01) A61P 19/08 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/32 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **BISPECIFIC HETERODIMERIC ANTIBODIES**
[54] **ANTICORPS BISPECIFIQUES HETERODIMERES**
[72] KANNAN, GUNASEKARAN, US
[72] FLORIO, MONICA, US
[72] LIU, ZHI, US
[72] YAN, WEI, US
[73] AMGEN INC., US
[85] 2015-04-15
[86] 2013-11-21 (PCT/US2013/071289)
[87] (WO2014/081955)
[30] US (61/729,148) 2012-11-21
[30] US (61/779,439) 2013-03-13

[11] **2,889,176**
[13] C
[51] **Int.Cl. F16L 3/223 (2006.01) E04B 1/18 (2006.01) E04B 1/38 (2006.01) F16B 7/04 (2006.01) F16L 3/24 (2006.01)**
[25] EN
[54] **TRAPEZE HANGER SYSTEM INCLUDING TRAPEZE HANGER FITTING**
[54] **SYSTEME DE SUPPORT A TRAPEZE COMPORTANT UNE FIXATION DE SUPPORT A TRAPEZE**
[72] KNUTSON, JAMES A., US
[72] ZHANG, ZHIHUI, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2889176)
[87] (2889176)
[22] 2015-04-23
[30] US (61/986,571) 2014-04-30
[30] US (61/987,894) 2014-05-02

[11] **2,889,643**
[13] C
[51] **Int.Cl. B29C 70/50 (2006.01)**
[25] EN
[54] **ULTRASONIC EDGE SEALING OF SHEET MOLDING COMPOUND CARRIER FILM**
[54] **ETANCHEISATION PAR ULTRASON DE REBORD DE PELLICULE PORTEUSE DE COMPOSE DE MOULAGE DE FEUILLE**
[72] VANHYFTE, TERRY, US
[72] HOLJAK, PHIL, US
[72] POTTER, ROY, US
[72] STILWELL, RANDY, US
[73] MAGNA INTERNATIONAL INC., CA
[86] (2889643)
[87] (2889643)
[22] 2015-04-29
[30] US (61/987,094) 2014-05-01

[11] **2,889,846**
[13] C
[51] **Int.Cl. G01K 7/10 (2006.01)**
[25] EN
[54] **THERMOCOUPLE RESISTANCE COMPENSATOR**
[54] **COMPENSATEUR DE RESISTANCE DE THERMOCOUPLE**
[72] HUNTER, MICHAEL, CA
[73] THERMO-KINETICS COMPANY LIMITED, CA
[86] (2889846)
[87] (2889846)
[22] 2015-04-30
[30] US (61/986205) 2015-04-30

[11] **2,890,064**
[13] C
[51] **Int.Cl. F16L 3/223 (2006.01) E04B 1/18 (2006.01) E04B 1/38 (2006.01) F16B 7/04 (2006.01) F16B 7/20 (2006.01) F16B 37/10 (2006.01) F16L 3/24 (2006.01)**
[25] EN
[54] **TRAPEZE HANGER SYSTEM INCLUDING TWIST-LOCKING FITTING**
[54] **SYSTEME DE SUPPORT A TRAPEZE COMPRENANT UN RACCORD A BLOCAGE PAR PIVOTEMENT**
[72] ZHANG, ZHIHUI, US
[72] GREENWALT, CHRISTOPHER LEE, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2890064)
[87] (2890064)
[22] 2015-04-29
[30] US (61/986,608) 2014-04-30

[11] **2,890,954**
[13] C
[51] **Int.Cl. C02F 1/461 (2006.01)**
[25] EN
[54] **EFFICIENT TREATMENT OF WASTEWATER USING ELECTROCHEMICAL CELL**
[54] **TRAITEMENT EFFICACE D'EAU RESIDUAIRE UTILISANT UNE CELLULE ELECTROCHIMIQUE**
[72] LEGZDINS, COLLEEN, CA
[73] AXINE WATER TECHNOLOGIES INC., CA
[85] 2015-05-11
[86] 2013-12-02 (PCT/CA2013/050922)
[87] (WO2014/085924)
[30] US (61/732,927) 2012-12-03

[11] **2,891,039**
[13] C
[51] **Int.Cl. A01C 7/08 (2006.01)**
[25] EN
[54] **HYDROSEEDER WITH PIVOTING AUGER CONVEYOR**
[54] **HYDRO-SEMOIR DOTE D'UN TRANSPORTEUR A VIS PIVOTANT**
[72] THOMAS, THOMAS M., CA
[73] THOMAS, THOMAS M., CA
[86] (2891039)
[87] (2891039)
[22] 2015-05-12
[30] US (14/709,557) 2015-05-12

[11] **2,892,251**
[13] C
[51] **Int.Cl. C12N 5/095 (2010.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHOD FOR THE ISOLATION FOR MAMMALIAN STEM CELLS AND USES THEREOF**
[54] **PROCEDE D'ISOLEMENT DE CELLULES SOUCHES DE MAMMIFERE ET UTILISATIONS DE CELLES-CI**
[72] BINDA, ELENA, IT
[72] VESCOVI, ANGELO LUIGI, CH
[73] HYPERSTEM SA, CH
[85] 2015-05-19
[86] 2013-11-19 (PCT/EP2013/074166)
[87] (WO2014/076302)
[30] EP (12193206.5) 2012-11-19

[11] **2,892,642**
[13] C
[51] **Int.Cl. B65D 5/20 (2006.01)**
[25] EN
[54] **BLANK AND METHODS OF CONSTRUCTING A CONTAINER FROM THE BLANK**
[54] **DECOUPE ET METHODES DE CONSTRUCTION D'UN CONTENANT A PARTIR DE LA DECOUPE**
[72] JAMES, JEFFREY S., US
[72] MACK, JORY B., US
[72] TRIPP, TIMOTHY A., US
[73] ROCK-TENN SHARED SERVICES, LLC, US
[86] (2892642)
[87] (2892642)
[22] 2015-05-21
[30] US (62/001568) 2014-05-21
[30] US (14/717541) 2015-05-20

[11] **2,893,232**
[13] C
[51] **Int.Cl. B26D 3/11 (2006.01) A23P 10/00 (2016.01) A23N 15/00 (2006.01) B26D 1/36 (2006.01) A23L 19/12 (2016.01)**
[25] EN
[54] **ROTARY BLADE ASSEMBLY FOR CUTTING A FOOD PRODUCT INTO HELICAL STRIPS**
[54] **DISPOSITIF D'AUBE DE ROTOR SERVANT A COUPER UN PRODUIT ALIMENTAIRE EN BANDES HELICOIDALES**
[72] ROGERS, DAVID M., CA
[72] AIKENS, JOHN WARREN, CA
[72] RINCON, CARLOS, CA
[73] MCCAIN FOODS LIMITED, CA
[86] (2893232)
[87] (2893232)
[22] 2015-05-29
[30] US (14/459,854) 2014-08-14

[11] **2,893,577**
[13] C
[51] **Int.Cl. B01D 53/14 (2006.01)**
[25] EN
[54] **AN AQUEOUS CO2 ABSORBENT COMPRISING 2-AMINO-2-METHYL-1-PROPANOL AND 3-AMINOPROPANOL OR 2-AMINO-2-METHYL-1 -PROPANOL AND 4-AMINOBUTANOL**
[54] **ABSORBANT AQUEUX DE CO2 COMPRENANT DU 2-AMINO-2-METHYL-1-PROPANOL ET DU 3-AMINO-PROPANOL OU DU 2-AMINO-2-METHYL-1-PROPANOL ET DU 4-AMINO-BUTANOL**
[72] HOFF, KARL ANDERS, NO
[72] MEJDELL, THOR, NO
[72] KIM, INNA, NO
[72] GRIMSTVEDT, ANDREAS, NO
[72] DA SILVA, EIRIK FALCK, NO
[73] AKER CARBON CAPTURE NORWAY AS, NO
[85] 2015-06-02
[86] 2013-12-06 (PCT/EP2013/075837)
[87] (WO2014/086988)
[30] NO (20121474) 2012-12-07

[11] **2,894,712**
[13] C
[51] **Int.Cl. C07H 21/00 (2006.01) A01H 1/04 (2006.01) C07H 21/04 (2006.01) C12N 15/11 (2006.01) C12N 15/29 (2006.01) C40B 30/04 (2006.01) C40B 40/06 (2006.01)**
[25] EN
[54] **GENETIC LOCI ASSOCIATED WITH PHYTOPHTHORA TOLERANCE IN SOYBEAN AND METHODS OF USE**
[54] **LOCI GENETIQUES ASSOCIES A LA TOLERANCE DE PHYTOPHTHORA DANS LE SOJA, ET PROCEDES D'UTILISATION**
[72] CHAKY, JULIAN M., US
[72] JESSEN, HOLLY, US
[72] SHENDELMAN, JOSHUA M., US
[72] STEPHENS, PAUL A., US
[72] WEBB, DAVID M., US
[72] WOODWARD, JOHN B., US
[72] YANG, MEIZHU, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2015-06-10
[86] 2013-12-18 (PCT/US2013/076206)
[87] (WO2014/100222)
[30] US (61/740,262) 2012-12-20
[30] US (13/782,013) 2013-03-01

[11] **2,895,376**
[13] C
[51] **Int.Cl. E05F 15/59 (2015.01) E05D 7/00 (2006.01) E05D 15/16 (2006.01) E06B 3/44 (2006.01)**
[25] EN
[54] **OVERHEAD DOOR AND FRAME ASSEMBLY**
[54] **ENSEMBLE DE CADRE ET DE PORTE ESCAMOTABLE AU PLAFOND**
[72] SCHWEISS, MICHAEL L., US
[73] SORREL QUARTERS, LLC, US
[86] (2895376)
[87] (2895376)
[22] 2015-06-26
[30] US (61/998,361) 2014-06-26

[11] **2,895,571**
[13] C
[51] **Int.Cl. A61B 34/10 (2016.01) G16H 20/40 (2018.01) G16H 30/20 (2018.01) G16H 50/50 (2018.01) G06F 30/20 (2020.01) A61F 2/30 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR HUMAN JOINT TREATMENT PLAN AND PERSONALIZED SURGERY PLANNING USING 3-D KINEMATICS, FUSION IMAGING AND SIMULATION**
[54] **PROCEDE ET SYSTEME POUR UN PLAN DE TRAITEMENT ET UNE PLANIFICATION DE CHIRURGIE PERSONNALISEE D'ARTICULATION POUR UN PATIENT HUMAIN A L'AIDE DE CINEMATIQUE 3D, SIMULATION ET IMAGE RIE DE FUSION**
[72] DE GUISE, JACQUES, CA
[72] MEZGHANI, NEILA, CA
[72] FUENTES, ALEXANDRE, CA
[72] SZMUTNY, ERIC, CA
[72] GRIMARD, GUY, CA
[72] RANGER, PIERRE, CA
[72] HAGEMEISTER, NICOLA, CA
[72] AISSAOUI, RACHID, CA
[72] CRESSON, THIERRY, CA
[72] CLEMENT, JULIEN, CA
[73] EMOVI INC., CA
[85] 2015-06-18
[86] 2013-01-16 (PCT/CA2013/000050)
[87] (WO2013/106918)
[30] US (61/587,116) 2012-01-16

---

[11] **2,895,714**
[13] C
[51] **Int.Cl. A61M 25/01 (2006.01) A61M 25/092 (2006.01)**
[25] EN
[54] **MODULAR HANDLE ASSEMBLY FOR A STEERABLE CATHETER**
[54] **ARRANGEMENT DE POIGNEE MODULAIRE DESTINE A UN CATHETER ORIENTABLE**
[72] FURNISH, GREG, US
[73] FREUDENBERG MEDICAL, LLC, US
[86] (2895714)
[87] (2895714)
[22] 2015-06-25
[30] US (14/485,469) 2014-09-12

---

[11] **2,895,716**
[13] C
[51] **Int.Cl. A61M 25/01 (2006.01) A61M 25/08 (2006.01) A61M 25/09 (2006.01)**
[25] EN
[54] **MODULAR HANDLE ASSEMBLY FOR A STEERABLE CATHETER**
[54] **ARRANGEMENT DE POIGNEE MODULAIRE POUR UN CATHETER ORIENTABLE**
[72] MORRIS, BEN, US
[72] WELLS, BRIAN K., US
[72] KUMAR, ADWAIT, US
[72] APPLING, ANTHONY, US
[73] FREUDENBERG MEDICAL, LLC, US
[86] (2895716)
[87] (2895716)
[22] 2015-06-25
[30] US (14/485,595) 2014-09-12

---

[11] **2,896,290**
[13] C
[51] **Int.Cl. C07C 67/48 (2006.01) C07C 67/36 (2006.01) C07C 69/36 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING DIMETHYL OXALATE**
[54] **METHODE DE PRODUCTION D'OXALATE DE DIMETHYL**
[72] YANG, WEISHENG, CN
[72] HE, LAIBIN, CN
[72] SHI, DE, CN
[72] HU, SONG, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[73] SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY SINOPEC, CN
[86] (2896290)
[87] (2896290)
[22] 2015-07-03
[30] CN (201410314462.0) 2014-07-03

---

[11] **2,897,242**
[13] C
[51] **Int.Cl. G01M 17/00 (2006.01) B64D 45/00 (2006.01) B64D 47/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING AND ALERTING THE USER OF AN AIRCRAFT OF AN IMPENDENT ADVERSE CONDITION**
[54] **MECANISME ET METHODE DE DETECTION ET D'ALERTE EN CAS DE CONDITION ADVERSE IMMINENTE DESTINES A UN UTILISATEUR D'UN AERONEF**
[72] MCKAY, DAVID EDWARD, CA
[73] CMC ELECTRONICS INC., CA
[86] (2897242)
[87] (2897242)
[22] 2015-07-10
[30] US (62/023,332) 2014-07-11

---

[11] **2,897,552**
[13] C
[51] **Int.Cl. C08L 23/08 (2006.01) B32B 27/32 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **SHRINK FILMS**
[54] **PELLICULES RETRECISSABLES**
[72] WANG, XIAOCHUAN, CA
[72] CHECKNITA, DOUGLAS WALTER, CA
[72] BAYLEY, JOHN LEONARD, CA
[73] NOVA CHEMICALS CORPORATION, CA
[86] (2897552)
[87] (2897552)
[22] 2015-07-17

---

[11] **2,898,531**
[13] C
[51] **Int.Cl. B65D 39/00 (2006.01) B65D 47/00 (2006.01)**
[25] EN
[54] **CORKS FOR USE WITH WIRELESS SPOUTS**
[54] **BOUCHONS DESTINES A DES BECS VERSEURS SANS FIL**
[72] TUYLS, JAMES M., US
[72] HONRINE, DENNIS J., US
[72] HECHT, THOMAS R., US
[73] LAB2FAB, LLC, US
[86] (2898531)
[87] (2898531)
[22] 2015-07-23
[30] US (62/029,782) 2014-07-28
[30] US (14/610,021) 2015-01-30

[11] **2,899,019**
[13] C
[51] **Int.Cl. G06F 21/62 (2013.01)**
[25] EN
[54] **DELAYED DATA ACCESS**
[54] **ACCES DIFFERE A DES DONNEES**
[72] ROTH, GREGORY BRANCHEK, US
[72] WREN, MATTHEW JAMES, US
[72] BRANDWINE, ERIC JASON, US
[72] PRATT, BRIAN IRL, US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2015-07-22
[86] 2014-02-07 (PCT/US2014/015414)
[87] (WO2014/126816)
[30] US (13/765,239) 2013-02-12

[11] **2,899,859**
[13] C
[51] **Int.Cl. G16B 5/00 (2019.01) G16B 20/00 (2019.01) G16B 35/00 (2019.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND SOFTWARE FOR IDENTIFYING BIOMOLECULES WITH INTERACTING COMPONENTS**
[54] **PROCEDES, SYSTEMES ET LOGICIELS POUR IDENTIFIER DES BIOMOLECULES COMPRENANT DES COMPOSANTS D'INTERACTION**
[72] COPE, GREGORY ALLAN, US
[73] CODEXIS, INC., US
[85] 2015-07-30
[86] 2014-01-29 (PCT/US2014/013666)
[87] (WO2014/120819)
[30] US (61/759,276) 2013-01-31
[30] US (61/799,377) 2013-03-15

[11] **2,902,468**
[13] C
[51] **Int.Cl. A61F 2/18 (2006.01) A61B 17/88 (2006.01) A61L 27/18 (2006.01) A61L 27/58 (2006.01)**
[25] EN
[54] **NASAL IMPLANTS AND SYSTEMS AND METHODS OF USE**
[54] **IMPLANTS NASAUX ET SYSTEMES ET PROCEDES D'UTILISATION**
[72] SAIDI, IYAD S., US
[72] ROSENTHAL, MICHAEL H., US
[72] GONZALES, DONALD A., US
[72] LOPER, J. CAMERON, US
[72] HADLEY, MARCUS A., US
[72] INGRAM, JAMIE L., US
[72] REN, CHENG Q., US
[72] LUDDY, CHARLES P., US
[72] MARUCCHI, LEON A., US
[72] GRAY, BRUCE C., US
[72] CARLTON, R. ANDREW, US
[73] SPIROX, INC., US
[85] 2015-08-25
[86] 2014-02-27 (PCT/US2014/019017)
[87] (WO2014/134303)
[30] US (61/770,008) 2013-02-27
[30] US (61/785,816) 2013-03-14

[11] **2,902,646**
[13] C
[51] **Int.Cl. C07D 213/75 (2006.01) A61K 31/44 (2006.01) A61P 9/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS AND THEIR USES**
[54] **COMPOSES HETEROCYCLIQUES ET LEURS UTILISATIONS**
[72] BI, MINGDA, US
[72] KUEHL, ROBERT, US
[73] CYTOKINETICS, INC., US
[73] AMGEN INC., US
[85] 2015-08-25
[86] 2014-03-14 (PCT/US2014/027104)
[87] (WO2014/152236)
[30] US (61/785,763) 2013-03-14

[11] **2,902,796**
[13] C
[51] **Int.Cl. H02J 50/80 (2016.01) H04B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING A DISTRIBUTED WIRELESS POWER TRANSFER NETWORK FOR ELECTRICAL DEVICES**
[54] **SYSTEMES ET PROCEDES DE GESTION D'UN RESEAU REPARTI DE TRANSFERT D'ENERGIE SANS FIL POUR DISPOSITIFS ELECTRIQUES**
[72] ALPERIN, EDUARDO, IL
[72] KOREN, YUVAL, IL
[72] OZ, AMI, IL
[72] REUVENI, NADAV, IL
[72] BEN HANOCH, RACHEL, IL
[72] PODKAMIEN, IAN, IL
[72] SHERMAN, ITAY, IL
[73] POWERMAT TECHNOLOGIES LTD., IL
[85] 2015-08-27
[86] 2014-02-27 (PCT/IL2014/050203)
[87] (WO2014/132258)
[30] US (61/770,341) 2013-02-28
[30] US (61/923,585) 2014-01-03
[30] US (61/935,502) 2014-02-04
[30] US (61/935,356) 2014-02-04
[30] US (61/935,854) 2014-02-05

[11] **2,904,126**
[13] C
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6886 (2018.01) G16B 25/10 (2019.01)**
[25] EN
[54] **MOLECULAR MARKERS IN BLADDER CANCER**
[54] **MARQUEURS MOLECULAIRES DANS LE CANCER DE LA VESSIE**
[72] SMIT, FRANCISCUS PETRUS, NL
[72] HESSELS, DAPHNE, NL
[72] SCHALKEN, JACOBUS A., NL
[73] MDXHEALTH B.V., NL
[85] 2015-09-04
[86] 2014-03-07 (PCT/EP2014/054501)
[87] (WO2014/135698)
[30] EP (PCT/EP2013/054777) 2013-03-08

[11] **2,904,190**
[13] C
[51] **Int.Cl. A61B 18/02 (2006.01)**
[25] EN
[54] **CRYOSPRAY CATHETERS**
[54] **CATHETERS A CRYOPULVERISATION**
[72] FAN, WEI LI, US
[72] CORDERO, RAFAEL, US
[72] GRIFFIN, STEPHEN, US
[72] SHIA, BENEDICT, US
[72] BABKO-MALYI, SERGEI, US
[72] MCCARTIN, STEPHEN M., US
[73] CSA MEDICAL, INC., US
[85] 2015-09-04
[86] 2013-08-28 (PCT/US2013/057037)
[87] (WO2014/137383)
[30] US (13/784,596) 2013-03-04
[30] US (14/012,320) 2013-08-28

---

[11] **2,905,101**
[13] C
[51] **Int.Cl. A61N 1/378 (2006.01) A61B 5/0205 (2006.01) A61N 1/362 (2006.01) A61N 1/372 (2006.01)**
[25] EN
[54] **WIRELESS IMPLANTABLE POWER RECEIVER SYSTEM AND METHODS**
[54] **SYSTEME ET PROCEDES POUR UN RECEPTEUR DE PUISSANCE SANS FIL IMPLANTABLE**
[72] PERRYMAN, LAURA TYLER, US
[72] ANDRESEN, CHAD, US
[72] LARSON, PATRICK, US
[72] GREENE, GRAHAM, US
[73] STIMWAVE TECHNOLOGIES INCORPORATED, US
[85] 2015-09-09
[86] 2014-03-14 (PCT/US2014/029187)
[87] (WO2014/153124)
[30] US (61/786,069) 2013-03-14

---

[11] **2,905,506**
[13] C
[51] **Int.Cl. G02B 27/01 (2006.01) G06F 3/01 (2006.01) G06F 3/14 (2006.01) G09G 5/38 (2006.01)**
[25] EN
[54] **DISPLAY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'AFFICHAGE**
[72] SCHOWENGERDT, BRIAN T., US
[72] MILLER, SAMUEL A., US
[73] MAGIC LEAP, INC., US
[85] 2015-09-10
[86] 2014-03-14 (PCT/US2014/028977)
[87] (WO2014/144526)
[30] US (61/801,219) 2013-03-15

---

[11] **2,905,788**
[13] C
[51] **Int.Cl. A61K 31/724 (2006.01) A61K 8/19 (2006.01) A61K 8/67 (2006.01) A61K 8/73 (2006.01) A61K 31/675 (2006.01) A61P 1/02 (2006.01) A61P 31/00 (2006.01) A61P 31/04 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **DENTAL COMPOSITION COMPRISING CHELATOR AND BASE**
[54] **COMPOSITION DENTAIRE COMPRENANT UN CHELATEUR ET UNE BASE**
[72] STEIN, EMILY A., US
[73] PRIMAL THERAPIES, INC., US
[85] 2015-09-11
[86] 2014-03-12 (PCT/US2014/024613)
[87] (WO2014/159659)
[30] US (61/851,748) 2013-03-12
[30] US (61/965,678) 2014-02-05

---

[11] **2,906,421**
[13] C
[51] **Int.Cl. G01N 33/569 (2006.01) G01N 33/577 (2006.01) C07K 16/10 (2006.01)**
[25] EN
[54] **HCV ANTIGEN-ANTIBODY COMBINATION ASSAY AND METHODS AND COMPOSITIONS FOR USE THEREIN**
[54] **DOSAGE DE COMBINAISON ANTIGENE-ANTICORPS DU VIRUS DE L'HEPATITE C ET PROCEDES ET COMPOSITIONS DESTINES A ETRE UTILISES AVEC CELUI-CI**
[72] DAWSON, GEORGE J., US
[72] DESAI, FURESH M., US
[72] GUTIERREZ, ROBIN A., US
[72] MUERHOFF, A. SCOTT, US
[72] PROSTKO, JOHN, US
[73] ABBOTT LABORATORIES, US
[85] 2015-09-14
[86] 2013-12-23 (PCT/US2013/077504)
[87] (WO2014/158272)
[30] US (61/785,124) 2013-03-14
[30] US (61/788,136) 2013-03-15

---

[11] **2,906,818**
[13] C
[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6869 (2018.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01) C40B 50/00 (2006.01) G16B 20/10 (2019.01)**
[25] EN
[54] **GENERATING CELL-FREE DNA LIBRARIES DIRECTLY FROM BLOOD**
[54] **GENERATION DE BIBLIOTHEQUES D'ADN ACELLULAIRE DIRECTEMENT A PARTIR DU SANG**
[72] SRINIVASAN, ANUPAMA, US
[72] RAVA, RICHARD P., US
[73] VERINATA HEALTH, INC., US
[85] 2015-09-14
[86] 2014-03-14 (PCT/US2014/029739)
[87] (WO2014/145078)
[30] US (61/801,126) 2013-03-15

---

[11] **2,907,622**
[13] C
[51] **Int.Cl. C12N 15/09 (2006.01) C12N 1/15 (2006.01)**
[25] EN
[54] **PROMOTER EXHIBITING HIGH EXPRESSION ACTIVITY IN MORTIERELLA MICROORGANISMS**
[54] **PROMOTEUR MANIFESTANT UNE ACTIVITE D'EXPRESSION ELEVEE CHEZ LES MICRO-ORGANISMES DU GENRE MORTIERELLA**
[72] OCHIAI, MISA, JP
[72] OGAWA, JUN, JP
[72] SAKURADANI, EIJI, JP
[72] ANDO, AKINORI, JP
[73] SUNTORY HOLDINGS LIMITED, JP
[85] 2015-09-18
[86] 2014-03-26 (PCT/JP2014/059698)
[87] (WO2014/157736)
[30] JP (2013-066265) 2013-03-27

[11] **2,908,281**
[13] C
[51] **Int.Cl. B21D 5/00 (2006.01) E04F 21/00 (2006.01)**
[25] EN
[54] **PANEL FLANGE BENDING TOOL**
[54] **OUTIL SERVANT A COURBER UN PANNEAU A REBORD**
[72] LIBREIRO, MIGUEL ANTONIO MOORE, CA
[72] MCKINLEY, JOEL ADAM, CA
[73] CARTER FABRICATING INC., CA
[86] (2908281)
[87] (2908281)
[22] 2015-10-09
[30] US (14/878,521) 2015-10-08

[11] **2,908,621**
[13] C
[51] **Int.Cl. A61K 31/155 (2006.01) A61K 31/522 (2006.01) A61K 31/7048 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **THERAPEUTIC USES OF EMPAGLIFLOZIN**
[54] **UTILISATIONS THERAPEUTIQUES D'EMPAGLIFLOZINE**
[72] BROEDL, ULI CHRISTIAN, DE
[72] CHERNEY, DAVID, CA
[72] DAIBER, ANDREAS, DE
[72] VON EYNATTEN, MAXIMILIAN, DE
[72] JOHANSEN, ODD-ERIK, DE
[72] KIM, GABRIEL WOOJAI, DE
[72] MAYOUX, ERIC WILLIAMS, DE
[72] MUENZEL, THOMAS, DE
[72] PERKINS, BRUCE A., CA
[72] SALSALI, AFSHIN, US
[72] SOLEYMANLOU, NIMA, CA
[72] WOERLE, HANS-JUERGEN, DE
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2015-10-02
[86] 2014-04-03 (PCT/EP2014/056655)
[87] (WO2014/161918)
[30] US (61/808,807) 2013-04-05
[30] CA (2812016) 2013-04-10
[30] US (61/823,041) 2013-05-14
[30] US (61/835,809) 2013-06-17
[30] US (61/835,811) 2013-06-17
[30] US (61/942,301) 2014-02-20

[11] **2,909,308**
[13] C
[51] **Int.Cl. H03M 13/19 (2006.01) H04L 27/00 (2006.01) H04L 27/34 (2006.01)**
[25] EN
[54] **DATA TRANSMISSION USING LOW DENSITY PARITY CHECK CODING AND DECODING**
[54] **TRANSMISSION DE DONNEES AU MOYEN DE CODAGE ET DE DECODAGE DE VERIFICATION DE PARITE A FAIBLE DENSITE**
[72] MUHAMMAD, NABIL SVEN LOGHIN, JP
[72] SHINOHARA, YUJI, JP
[72] MICHAEL, LACHLAN, JP
[72] HIRAYAMA, YUICHI, JP
[72] YAMAMOTO, MAKIKO, JP
[73] SONY CORPORATION, JP
[85] 2015-10-09
[86] 2014-04-21 (PCT/JP2014/061154)
[87] (WO2014/178298)
[30] JP (2013-096994) 2013-05-02

[11] **2,909,570**
[13] C
[51] **Int.Cl. H04N 21/422 (2011.01) H04N 21/436 (2011.01) H04N 21/442 (2011.01)**
[25] EN
[54] **REMOTE CONTROL FOR FIRST AND SECOND APPARATUS**
[54] **COMMANDE A DISTANCE POUR DES PREMIER ET SECOND APPAREILS**
[72] THISSEN, ROGIER LOUIS JACQUES WILLEM, NL
[72] DEN OUDEN, TEUNIS, NL
[73] HOME CONTROL SINGAPORE PTE. LTD., SG
[85] 2015-10-15
[86] 2014-04-15 (PCT/EP2014/057643)
[87] (WO2014/170335)
[30] EP (13163944.5) 2013-04-16

[11] **2,910,986**
[13] C
[51] **Int.Cl. F03B 17/00 (2006.01)**
[25] EN
[54] **A SUBMERSIBLE HYDROELECTRIC GENERATOR APPARATUS AND A METHOD OF EVACUATING WATER FROM SUCH AN APPARATUS**
[54] **APPAREIL DE PRODUCTION HYDROELECTRIQUE SUBMERSIBLE ET PROCEDE D'EVACUATION DE L'EAU PRESENTE DANS CET APPAREIL**
[72] MCELROY, OWEN, IE
[73] MCELROY, OWEN, IE
[85] 2015-10-30
[86] 2014-05-12 (PCT/EP2014/059656)
[87] (WO2014/180995)
[30] GB (1308416.5) 2013-05-10

[11] **2,912,323**
[13] C
[51] **Int.Cl. F03B 3/12 (2006.01) F03B 3/02 (2006.01) F03B 3/04 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A ROTATING PART OF A HYDRAULIC MACHINE, ROTATING PART MANUFACTURED ACCORDING TO THIS METHOD, HYDRAULIC MACHINE AND ENERGY CONVERSION INSTALLATION**
[54] **PROCEDE DE FABRICATION D'UNE PARTIE ROTATIVE D'UNE MACHINE HYDRAULIQUE, PARTIE ROTATIVE FABRIQUEE SELON CE PROCEDE, MACHINE HYDRAULIQUE ET INSTALLATION DE CONVERSION D'ENERGIE**
[72] SABOURIN, MICHEL, CA
[72] BORNARD, LAURENT, CA
[73] GE RENEWABLE TECHNOLOGIES, FR
[85] 2015-11-12
[86] 2014-05-19 (PCT/EP2014/060227)
[87] (WO2014/191249)
[30] FR (1354772) 2013-05-27

[11] **2,912,894**
[13] C
[51] **Int.Cl. F41A 3/26 (2006.01)**
[25] EN
[54] **BOLT CARRIER**
[54] **PORTE-BOULON**
[72] OGLESBY, PAUL ARTHUR, GB
[73] OGLESBY, PAUL ARTHUR, GB
[86] (2912894)
[87] (2912894)
[22] 2015-11-24

---

[11] **2,913,452**
[13] C
[51] **Int.Cl. B64D 11/06 (2006.01) B60N 2/02 (2006.01)**
[25] EN
[54] **DECOUPLED AIRCRAFT SEAT ACTUATOR**
[54] **ACTIONNEUR DE SIEGE D'AERONEF DECOUPLE**
[72] HOOVER, DOUGLAS E., US
[72] FERGUSON, KEITH M., US
[73] AMI INDUSTRIES, INC., US
[86] (2913452)
[87] (2913452)
[22] 2015-11-25
[30] US (14/618,033) 2015-02-10

---

[11] **2,915,365**
[13] C
[51] **Int.Cl. C07D 249/08 (2006.01) A61K 31/497 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NUCLEAR TRANSPORT MODULATORS AND USES THEREOF**
[54] **MODULATEURS DE TRANSPORT NUCLEAIRE ET LEURS UTILISATIONS**
[72] BALOGLU, ERKAN, US
[72] SHACHAM, SHARON, US
[72] MCCAULEY, DILARA, US
[72] KASHYAP, TRINAYAN, US
[72] SENAPEDIS, WILLIAM, US
[72] LANDESMAN, YOSEF, US
[72] GOLAN, GALI, IL
[72] KALID, ORI, IL
[72] SHECHTER, SHARON, US
[73] KARYOPHARM THERAPEUTICS INC., US
[85] 2015-12-11
[86] 2014-06-20 (PCT/US2014/043479)
[87] (WO2014/205389)
[30] US (61/838,172) 2013-06-21

---

[11] **2,915,986**
[13] C
[51] **Int.Cl. G01N 19/06 (2006.01) G01N 3/46 (2006.01) G01N 3/56 (2006.01)**
[25] EN
[54] **SCRATCH TESTING APPARATUS AND METHODS OF USING SAME**
[54] **APPAREIL D'ESSAI DE RESISTANCE AU RAYAGE ET SES PROCEDES D'UTILISATION**
[72] BELLEMARE, SIMON CLAUDE, US
[72] NORMAND, SIMON, US
[72] PALKOVIC, STEVEN D., US
[73] MASSACHUSETTS MATERIALS TECHNOLOGIES LLC, US
[85] 2015-12-17
[86] 2014-06-20 (PCT/US2014/043498)
[87] (WO2014/205402)
[30] US (61/837,724) 2013-06-21

---

[11] **2,917,061**
[13] C
[51] **Int.Cl. A62C 13/76 (2006.01)**
[25] EN
[54] **SPRING-COLLET MECHANISM FOR ACTIVATING A FIRE EXTINGUISHER**
[54] **MECANISME DE COLLET A RESSORT SERVANT A ACTIVER UN EXTINCTEUR D'INCENDIE**
[72] FRASURE, DAVID, US
[72] PORTERFIELD, JOHN WRIGHT, US
[73] KIDDE TECHNOLOGIES, INC., US
[86] (2917061)
[87] (2917061)
[22] 2016-01-08
[30] US (14/602,811) 2015-01-22

---

[11] **2,917,542**
[13] C
[51] **Int.Cl. H04N 5/225 (2006.01) H04W 4/00 (2018.01) H04N 21/242 (2011.01) H04N 21/80 (2011.01) G06F 3/01 (2006.01)**
[25] EN
[54] **MOTION EVENT RECOGNITION AND VIDEO SYNCHRONIZATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RECONNAISSANCE D'EVENEMENT DE MOUVEMENT ET DE SYNCHRONISATION VIDEO**
[72] BENTLEY, MICHAEL, US
[72] KAPS, RYAN, US
[72] BOSE, BHASKAR, US
[72] ALAM, SHEEHAN, US
[72] GILLIAN, MICHAEL, US
[72] ABDEL-RAHMAN, MAZEN, US
[73] BLAST MOTION INC., US
[85] 2016-01-05
[86] 2015-04-21 (PCT/US2015/026896)
[87] (WO2015/164389)
[30] US (14/257,959) 2014-04-21

---

[11] **2,917,544**
[13] C
[51] **Int.Cl. C07K 16/00 (2006.01) A61K 51/04 (2006.01) A61P 35/00 (2006.01) C07C 233/83 (2006.01) C07D 207/456 (2006.01) C07D 213/81 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] FR
[54] **NOVEL ANTIBODY-DRUG CONJUGATES AND THE USE OF SAME IN THERAPY**
[54] **NOUVEAUX CONJUGUES ANTICORPS-MEDICAMENT ET LEUR UTILISATION EN THERAPIE**
[72] JOUBERT, NICOLAS, FR
[72] VIAUD-MASSUARD, MARIE CLAUDE, FR
[72] RESPAUD, RENAUD, FR
[73] MCSAF, FR
[85] 2016-01-06
[86] 2014-07-11 (PCT/FR2014/051802)
[87] (WO2015/004400)
[30] FR (1356837) 2013-07-11

[11] **2,917,712**
[13] C
[51] **Int.Cl. A61K 31/737 (2006.01) A61K 35/57 (2015.01) A61K 31/401 (2006.01) A61K 31/4172 (2006.01)**
[25] EN
[54] **COMPOSITIONS PREPARED FROM POULTRY AND METHODS OF THEIR USE**
[54] **COMPOSITIONS PREPAREES DE VOLAILLE ET LEURS PROCEDES D'UTILISATION**
[72] DAKE, ROGER L., US
[72] LYNCH, STEPHANIE, US
[72] DURHAM, PAUL L., US
[72] CADY, RYAN J., US
[72] HAWKINS, JORDAN L., US
[73] INTERNATIONAL DEHYDRATED FOODS, INC., US
[85] 2016-01-07
[86] 2014-07-08 (PCT/US2014/045687)
[87] (WO2015/006287)
[30] US (61/843,662) 2013-07-08

[11] **2,918,012**
[13] C
[51] **Int.Cl. B05D 1/16 (2006.01) B05D 1/08 (2006.01) B32B 27/38 (2006.01) B32B 37/15 (2006.01) B32B 37/24 (2006.01) B32B 37/26 (2006.01) C09D 5/46 (2006.01) C09D 163/00 (2006.01) E04H 4/14 (2006.01)**
[25] EN
[54] **FLAME-APPLIED RESIN POWDER COATING FOR SWIMMING POOL AND RECREATIONAL SURFACES**
[54] **REVETEMENT DE POUDRE DE RESINE APPLIQUE PAR FLAMME POUR SURFACES DE PISCINE ET DE DETENTE**
[72] SOLANA, JOSEPH, US
[73] SOLANA, JOSEPH, US
[85] 2016-01-08
[86] 2014-07-10 (PCT/US2014/046195)
[87] (WO2015/006586)
[30] US (61/844,707) 2013-07-10

[11] **2,918,518**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 14/545 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **TARGETED MODIFIED IL-1 FAMILY MEMBERS**
[54] **MEMBRES DE LA FAMILLE IL-1 MODIFIES CIBLES**
[72] TAVERNIER, JAN, BE
[72] GERLO, SARAH, BE
[72] PEELMAN, FRANK, BE
[72] UZE, GILLES, FR
[73] UNIVERSITEIT GENT, BE
[73] CENTRE HOSPITALIER REGIONAL UNIVERSITAIRE DE MONTPELLIER, FR
[73] VIB VZW, BE
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] UNIVERSITE DE MONTPELLIER, FR
[85] 2016-01-18
[86] 2014-07-04 (PCT/EP2014/064283)
[87] (WO2015/007542)
[30] EP (13306047.5) 2013-07-19

[11] **2,919,711**
[13] C
[51] **Int.Cl. A61K 6/889 (2020.01) A61K 6/15 (2020.01) C08L 21/00 (2006.01) C08L 33/06 (2006.01)**
[25] EN
[54] **IMPACT MODIFIED DENTURE BASE COMPOSITIONS**
[54] **COMPOSITIONS ANTICHOC POUR BASE DE PROTHESE**
[72] SUN, BENJAMIN JIEMIN, US
[72] GHERGULESCU, CAMELIA, US
[72] YOUNG, ANDREW, US
[73] DENTSPLY INTERNATIONAL INC., US
[85] 2016-01-27
[86] 2014-07-30 (PCT/US2014/048921)
[87] (WO2015/017556)
[30] US (61/859,821) 2013-07-30

[11] **2,922,279**
[13] C
[51] **Int.Cl. A61K 47/12 (2006.01) A61K 9/51 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC POLYMERIC NANOPARTICLES AND METHODS OF MAKING AND USING SAME**
[54] **NANOPARTICULES POLYMERES THERAPEUTIQUES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] ASHFORD, MARIANNE BERNICE, GB
[72] NOLAN, JAMES MARTIN, III, US
[72] SHIN, EYOUNG, US
[72] SONG, YOUNG-HO, US
[72] TROIANO, GREG, US
[72] WANG, HONG, US
[73] ASTRAZENECA AB, SE
[85] 2016-02-24
[86] 2014-09-12 (PCT/GB2014/052787)
[87] (WO2015/036792)
[30] US (61/878,227) 2013-09-16
[30] US (61/939,332) 2014-02-13

[11] **2,922,289**
[13] C
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR CONTROLLING A MULTI-CHANNEL SYSTEM IN A PETROLEUM WELL**
[54] **DISPOSITIFS ET METHODES DE CONTROLE D'UN SYSTEME MULTI CANAL DANS UN PUITS DE PETROLE**
[72] GANELIN, BORIS, US
[72] KENWORTHY, MICHAEL, US
[73] GANELIN, BORIS, US
[73] KENWORTHY, MICHAEL, US
[86] (2922289)
[87] (2922289)
[22] 2016-03-02
[30] US (62/132,853) 2015-03-13
[30] US (14/714,309) 2015-05-17

[11] **2,922,813**
[13] C
[51] **Int.Cl. G16B 40/10 (2019.01) C12M 1/34 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **A QUANTUM METHOD FOR FLUORESCENCE BACKGROUND REMOVAL IN DNA MELTING ANALYSIS**
[54] **PROCEDE QUANTIQUE POUR L'ELIMINATION DE FLUORESCENCE DE FOND DANS UNE ANALYSE DE FUSION D'ADN**
[72] WITTWER, CARL T., US
[72] SANFORD, LINDSAY N., US
[73] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[85] 2016-02-29
[86] 2014-08-29 (PCT/US2014/053558)
[87] (WO2015/031842)
[30] US (61/872,173) 2013-08-30

---

[11] **2,923,403**
[13] C
[51] **Int.Cl. F01K 23/10 (2006.01) F01D 17/00 (2006.01) F01K 7/32 (2006.01) F01K 25/08 (2006.01) F01N 5/02 (2006.01) F02G 5/02 (2006.01)**
[25] EN
[54] **HEAT ENGINE SYSTEM HAVING A SELECTIVELY CONFIGURABLE WORKING FLUID CIRCUIT**
[54] **SYSTEME DE MOTEUR THERMIQUE AYANT UN CIRCUIT DE FLUIDE DE TRAVAIL POUVANT ETRE CONCU DE FACON SELECTIVE**
[72] GIEGEL, JOSHUA, US
[73] ECHOGEN POWER SYSTEMS, L.L.C., US
[73] GIEGEL, JOSHUA, US
[85] 2016-03-04
[86] 2014-09-04 (PCT/US2014/053994)
[87] (WO2015/034987)
[30] US (61/874,321) 2013-09-05
[30] US (62/010,731) 2014-06-11
[30] US (62/010,706) 2014-06-11
[30] US (14/475,640) 2014-09-03
[30] US (14/475,678) 2014-09-03

---

[11] **2,924,718**
[13] C
[51] **Int.Cl. A61B 6/10 (2006.01) G21F 3/00 (2006.01)**
[25] EN
[54] **LOCK-BLOCK SHIELD DEVICE**
[54] **DISPOSITIF DE BOUCLIER A BLOCAGE DE SERRURE**
[72] GORDON, GREGORY, US
[73] RADUX DEVICES, LLC, US
[85] 2016-03-17
[86] 2014-09-19 (PCT/US2014/056585)
[87] (WO2015/042419)
[30] US (61/880,216) 2013-09-20

---

[11] **2,924,867**
[13] C
[51] **Int.Cl. C08L 23/12 (2006.01) B29C 48/15 (2019.01) C08J 5/04 (2006.01) C08K 7/02 (2006.01) C08K 11/00 (2006.01)**
[25] EN
[54] **HYBRID SUSTAINABLE COMPOSITES AND METHODS OF MAKING AND USING THEREOF**
[54] **COMPOSITES DURABLES HYBRIDES ET PROCEDE DE FABRICATION ET D'UTILISATION**
[72] MOHANTY, AMAR, CA
[72] MISRA, MANJURSI, CA
[72] RODRIGUEZ-URIBE, ARTURO, CA
[72] VIVEKANANDHAN, SINGARAVELU, IN
[73] UNIVERSITY OF GUELPH, CA
[85] 2016-03-17
[86] 2014-09-17 (PCT/CA2014/050886)
[87] (WO2015/039237)
[30] US (61/878,762) 2013-09-17

---

[11] **2,924,987**
[13] C
[51] **Int.Cl. C12N 15/115 (2010.01)**
[25] EN
[54] **MULTIAPTAMER TARGET DETECTION**
[54] **DETECTION DE CIBLE D'APTAMERES MULTIPLES**
[72] OCHSNER, URS A., US
[72] GREEN, LOUIS S., US
[72] GOLD, LARRY, US
[72] JANJIC, NEBOJSA, US
[73] SOMALOGIC OPERATING CO., INC., US
[85] 2016-03-17
[86] 2014-09-24 (PCT/US2014/057143)
[87] (WO2015/048084)
[30] US (61/881,629) 2013-09-24

---

[11] **2,925,391**
[13] C
[51] **Int.Cl. F03G 3/06 (2006.01)**
[25] EN
[54] **ENERGY PRODUCTION DEVICE AND SYSTEM**
[54] **DISPOSITIF ET SYSTEME DE PRODUCTION D'ENERGIE**
[72] WICKETT, MARTIN JOHN, GB
[73] WICKETT, MARTIN JOHN, GB
[85] 2016-03-24
[86] 2014-09-25 (PCT/EP2014/070547)
[87] (WO2015/044296)
[30] GB (1317082.4) 2013-09-26
[30] GB (1408581.5) 2014-05-14

---

[11] **2,925,626**
[13] C
[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 20/08 (2012.01) G06F 21/60 (2013.01) G06F 16/10 (2019.01)**
[25] EN
[54] **PAPERLESS APPLICATION**
[54] **APPLICATION ELECTRONIQUE**
[72] CHRISTMAS, COY, US
[72] MALPASS, LUKE, GB
[73] FASETTO, INC., US
[85] 2016-03-24
[86] 2014-09-29 (PCT/US2014/058126)
[87] (WO2015/048684)
[30] US (61/884,826) 2013-09-30

---

[11] **2,926,871**
[13] C
[51] **Int.Cl. C12Q 1/6869 (2018.01) C07K 14/35 (2006.01) C12N 9/00 (2006.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR POLYNUCLEOTIDE SEQUENCING**
[54] **COMPOSITIONS ET PROCEDES DE SEQUENCAGE DE POLYNUCLEOTIDES**
[72] STAVA, ERIC, US
[72] GUNDLACH, JENS H., US
[72] MANDELL, JEFFREY G., US
[72] GUNDERSON, KEVIN L., US
[72] DERRINGTON, IAN M., US
[72] MOHIMANI, HOSEIN, US
[73] ILLUMINA, INC., US
[85] 2016-04-07
[86] 2014-11-26 (PCT/US2014/067582)
[87] (WO2015/081178)
[30] US (61/909,316) 2013-11-26

[11] **2,927,246**
[13] C
[51] **Int.Cl. C23C 18/12 (2006.01) A61K 8/02 (2006.01) A61K 8/25 (2006.01) A61Q 11/00 (2006.01) C01B 33/18 (2006.01) C01B 33/32 (2006.01) C03C 15/00 (2006.01) C09C 1/30 (2006.01) C09K 3/14 (2006.01)**
[25] EN
[54] **CORE SHELL SILICA PARTICLES AND USES THEREOF AS AN ANTI-BACTERIAL AGENT**
[54] **PARTICULES C□UR-ECORCE DE SILICE ET LEURS UTILISATIONS EN TANT QU'AGENT ANTIBACTERIEN**
[72] PAN, GUISHENG, US
[72] CHOPRA, SUMAN KUMAR, US
[72] SZEWCZYK, GREGORY, US
[72] PATEL, NEETA ATUL, US
[72] JOGUN, SUZANNE, US
[72] BULSARA, SATISH, US
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2016-04-12
[86] 2014-12-18 (PCT/US2014/071298)
[87] (WO2015/095606)
[30] US (61/918,925) 2013-12-20
[30] US (61/918,938) 2013-12-20

---

[11] **2,928,184**
[13] C
[51] **Int.Cl. H05K 3/36 (2006.01) G01C 3/14 (2006.01) H01L 27/146 (2006.01) H04N 5/335 (2011.01) H05K 1/16 (2006.01) G03B 35/08 (2021.01)**
[25] EN
[54] **RANGING CAMERAS USING A COMMON SUBSTRATE**
[54] **CAMERAS DE MESURE DE DISTANCE UTILISANT UN SUBSTRAT COMMUN**
[72] WEISS, MITCHELL, US
[73] SEEGRID CORPORATION, US
[85] 2016-04-20
[86] 2014-10-21 (PCT/US2014/061576)
[87] (WO2015/061315)
[30] US (61/894,229) 2013-10-22
[30] US (14/196,147) 2014-03-04

---

[11] **2,929,826**
[13] C
[51] **Int.Cl. G16B 25/10 (2019.01) C12Q 1/6809 (2018.01) G16B 5/00 (2019.01) G16B 20/00 (2019.01)**
[25] EN
[54] **METHOD FOR SELECTING AND TREATING LYMPHOMA TYPES**
[54] **METHODE POUR SELECTIONNER ET TRAITER DES TYPES DE LYMPHOMES**
[72] STAUDT, LOUIS M., US
[72] WRIGHT, GEORGE W., US
[72] SCOTT, DAVID WILLIAM, CA
[72] CONNORS, JOSEPH M., CA
[72] GASCOYNE, RANDY D., CA
[72] RIMSZA, LISA, US
[72] CAMPO GUERRI, ELIAS, ES
[72] COOK, JAMES ROBERT, US
[72] FU, KAI, US
[72] WILLIAMS, PAUL MICHAEL, US
[72] LIH, CHIH-JIAN, US
[72] JAFFE, ELAINE S., US
[72] BRAZIEL, RITA M., US
[72] ROSENWALD, ANDREAS, DE
[72] SMELAND, ERLEND B., NO
[72] CHAN, WING C., US
[72] OTT, GERMAN, DE
[72] DELABIE, JAN, NO
[72] WEISENBURGER, DENNIS, US
[72] GREINER, TIMOTHY C., US
[72] TUBBS, RAYMOND (DECEASED), US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[73] BRITISH COLUMBIA CANCER AGENCY BRANCH, CA
[73] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[73] UNIVERSITAT DE BARCELONA, ES
[73] HOSPITAL CLINIC DE BARCELONA, ES
[73] CLEVELAND CLINIC, US
[73] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US
[73] OREGON HEALTH & SCIENCE UNIVERSITY, US
[73] JULIUS-MAXIMILIANS-UNIVERSITY OF WUERZBURG, DE
[73] OSLO UNIVERSITY HOSPITAL HF, NO
[85] 2016-05-05
[86] 2014-11-05 (PCT/US2014/064161)
[87] (WO2015/069790)
[30] US (61/900,553) 2013-11-06

---

[11] **2,930,034**
[13] C
[51] **Int.Cl. A61K 31/7048 (2006.01) A61K 31/351 (2006.01) A61K 31/382 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **TREATMENT OF METABOLIC DISORDERS IN FELINE ANIMALS**
[54] **TRAITEMENT DE TROUBLES METABOLIQUES CHEZ LES FELINS**
[72] REICHE, DANIA BIRTE, DE
[72] HAAG-DIERGARTEN, SILKE, DE
[72] HENNINGS, LEAH JEANETTE, US
[72] KLEY, SASKIA, DE
[72] TRAAS, ANNE M., US
[73] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2016-05-09
[86] 2014-12-15 (PCT/EP2014/077677)
[87] (WO2015/091313)
[30] EP (13197821.5) 2013-12-17
[30] EP (14187228.3) 2014-10-01

---

[11] **2,930,447**
[13] C
[51] **Int.Cl. B23D 61/00 (2006.01) B23D 57/00 (2006.01) B23D 59/00 (2006.01) B25F 5/00 (2006.01)**
[25] EN
[54] **TOOL ACCESSORY WITH A REMOVABLE ATTACHMENT PORTION**
[54] **ACCESSOIRE D'OUTIL COMPORTANT UNE PARTIE DE FIXATION AMOVIBLE**
[72] KOZAK, BURTON, US
[73] EAZYPOWER CORPORATION, US
[85] 2016-05-11
[86] 2015-03-20 (PCT/US2015/021659)
[87] (WO2015/143265)
[30] US (14/221,914) 2014-03-21

[11] **2,930,461**
[13] C
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/403 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **REHYDRATION OF MICRONIZED TECOVIRIMAT MONOHYDRATE**
[54] **REHYDRATATION DE MONOHYDRATE DE TECOVIRIMAT MICRONISE**
[72] TYAVANAGIMATT, SHANTHAKUMAR R., US
[72] REEVES, MATTHEW, US
[72] SAMUEL, N K PETER, US
[72] PRIEBE, STEVEN, US
[72] TAN, YING, US
[72] HRUBY, DENNIS E., US
[73] SIGA TECHNOLOGIES, INC., US
[85] 2016-05-11
[86] 2014-11-14 (PCT/US2014/065674)
[87] (WO2015/077143)
[30] US (61/906,119) 2013-11-19

[11] **2,930,897**
[13] C
[51] **Int.Cl. C11B 1/02 (2006.01) A23D 9/00 (2006.01) A61K 31/202 (2006.01) C11B 1/00 (2006.01) C11B 3/00 (2006.01) C11C 1/00 (2006.01) C11C 3/00 (2006.01)**
[25] EN
[54] **DIHOMO-.GAMMA.-LINOLENIC ACID-CONTAINING MICROBIAL OIL AND DIHOMO-.GAMMA.-LINOLENIC ACID-CONTAINING MICROBIAL BIOMASS**
[54] **HUILE MICROBIENNE CONTENANT DE L'ACIDE DIHOMO-GAMMA-LINOLENIQUE ET BIOMASSE MICROBIENNE CONTENANT DE L'ACIDE DIHOMO-GAMMA-LINOLENIQUE**
[72] SATO, SEIZO, JP
[72] FUKAE, TAKURO, JP
[72] OHTSUKA, NAOMI, JP
[72] YAMAGUCHI, HIDEAKI, JP
[72] IKEDA, RIE, JP
[73] NIPPON SUISAN KAISHA, LTD., JP
[85] 2016-05-17
[86] 2014-12-04 (PCT/JP2014/082770)
[87] (WO2015/083843)
[30] JP (2013-251401) 2013-12-04

[11] **2,931,240**
[13] C
[51] **Int.Cl. A61C 5/40 (2017.01)**
[25] EN
[54] **ENDODONTIC INSTRUMENTS FORMED FROM OR COATED WITH A POROUS MATERIAL**
[54] **INSTRUMENTS D'ENDODONTIE CONSTITUES OU REVETUS D'UN MATERIAU POREUX**
[72] SHOTTON, VINCENT, US
[72] DAMIEN, CHRISTOPHER, US
[72] AMMON, DAN, US
[73] DENTSPLY INTERNATIONAL INC., US
[85] 2016-05-19
[86] 2014-11-21 (PCT/US2014/066780)
[87] (WO2015/108621)

[11] **2,931,374**
[13] C
[51] **Int.Cl. F01D 9/04 (2006.01) F01D 17/16 (2006.01) F04D 27/02 (2006.01) F04D 29/56 (2006.01)**
[25] FR
[54] **DEVICE FOR GUIDING SYNCHRONIZING RING VANES WITH VARIABLE PITCH ANGLE OF A TURBINE ENGINE AND METHOD FOR ASSEMBLING SUCH A DEVICE**
[54] **DISPOSITIF DE GUIDAGE D'AUBES DE REDRESSEUR A ANGLE DE CALAGE VARIABLE DE TURBOMACHINE ET PROCEDE D'ASSEMBLAGE D'UN TEL DISPOSITIF**
[72] MOUTON, CLEMENTINE CHARLOTTE MARIE, FR
[72] BELMONTE, OLIVIER, FR
[73] SNECMA, FR
[85] 2016-05-24
[86] 2014-11-19 (PCT/FR2014/052958)
[87] (WO2015/079144)
[30] FR (1361878) 2013-11-29

[11] **2,931,951**
[13] C
[51] **Int.Cl. F42B 10/26 (2006.01) F41B 11/62 (2013.01) F42B 5/02 (2006.01) F42B 5/03 (2006.01) F42B 10/44 (2006.01) F42B 12/40 (2006.01) F42B 12/76 (2006.01)**
[25] EN
[54] **A BODY FOR A NON-LETHAL PROJECTILE**
[54] **CORPS DE PROJECTILE NON LETAL**
[72] BUYS, ANDRE JOHANN, ZA
[73] BYRNA TECHNOLOGIES INC., US
[85] 2016-05-27
[86] 2014-11-21 (PCT/IB2014/066235)
[87] (WO2015/079369)
[30] ZA (2013/08914) 2013-11-27

[11] **2,932,497**
[13] C
[51] **Int.Cl. G02B 1/10 (2015.01) G02B 27/00 (2006.01)**
[25] FR
[54] **OPTICAL ARTICLE COMPRISING A COATING THAT IS A PRECURSOR OF AN ANTIFOG COATING HAVING ANTIFOULING PROPERTIES**
[54] **ARTICLE D'OPTIQUE COMPORTANT UN REVETEMENT PRECURSEUR D'UN REVETEMENT ANTIBUEE AYANT DES PROPRIETES ANTISALISSURE**
[72] CADET, MAMONJY, FR
[72] THEODEN, ALEXIS, FR
[73] SATISLOH AG, CH
[85] 2016-06-02
[86] 2014-12-03 (PCT/EP2014/076357)
[87] (WO2015/082521)
[30] FR (1362048) 2013-12-03

[11] **2,932,918**
[13] C
[51] **Int.Cl. A61C 1/14 (2006.01) A61C 5/42 (2017.01) A61C 1/02 (2006.01) A61C 1/07 (2006.01) A61C 1/18 (2006.01) A61C 1/12 (2006.01)**
[25] EN
[54] **MULTI-DIRECTIONAL HANDPIECE**
[54] **PIECE A MAIN MULTIDIRECTIONNELLE**
[72] SHOTTON, VINCENT, US
[72] AMMON, DAN, US
[72] KARAZIVAN, NAIM, CA
[73] DENTSPLY INTERNATIONAL INC., US
[85] 2016-06-06
[86] 2014-12-10 (PCT/US2014/069626)
[87] (WO2015/089239)
[30] US (61/913,947) 2013-12-10

[11] **2,933,015**
[13] C
[51] **Int.Cl. F04D 29/44 (2006.01) A61M 16/00 (2006.01) F04D 17/16 (2006.01) F04D 25/06 (2006.01) F04D 29/28 (2006.01) F04D 29/30 (2006.01) F04D 29/66 (2006.01)**
[25] EN
[54] **BLOWER FOR BREATHING APPARATUS**
[54] **SOUFFLANTE POUR APPAREIL RESPIRATOIRE**
[72] BOTHMA, JOHANNES NICOLAAS, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[85] 2016-06-07
[86] 2014-12-22 (PCT/IB2014/067201)
[87] (WO2015/097632)
[30] US (61/920,014) 2013-12-23

[11] **2,933,624**
[13] C
[51] **Int.Cl. G02C 13/00 (2006.01)**
[25] FR
[54] **METHOD FOR CHECKING THE CORRECT ASSEMBLY OF A FRAME AND CORRECTIVE LENSES**
[54] **PROCEDE DE CONTROLE DE LA CONFORMITE DE MONTAGE D'UNE MONTURE ET DE VERRES CORRECTEURS**
[72] PETIGNAUD, CECILE, FR
[72] LALOUX, THIERRY, FR
[72] LAKHCHAF, NACER, FR
[72] ROUSSEAU, BENJAMIN, FR
[72] BERTHEZENE, MARIE-ANNE, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2016-06-13
[86] 2014-12-03 (PCT/FR2014/053146)
[87] (WO2015/092194)
[30] FR (1362717) 2013-12-16

[11] **2,933,694**
[13] C
[51] **Int.Cl. B65F 5/00 (2006.01) B30B 9/30 (2006.01) B65F 1/14 (2006.01)**
[25] EN
[54] **APPARATUS FOR HANDLING MATERIAL, AND WASTE CONTAINER/SEPARATING DEVICE**
[54] **APPAREIL POUR LA MANIPULATION D'UN MATERIAU ET DISPOSITIF DESTINE A CONTENIR/SEPARER DES DECHETS**
[72] SUNDHOLM, GORAN, FI
[73] MARICAP OY, FI
[85] 2016-06-13
[86] 2014-12-02 (PCT/FI2014/050940)
[87] (WO2015/092122)
[30] FI (20136310) 2013-12-20

[11] **2,934,122**
[13] C
[51] **Int.Cl. H04L 41/14 (2022.01) H04L 41/16 (2022.01) H04L 41/5067 (2022.01) H04L 43/06 (2022.01) H04L 43/08 (2022.01) H04L 43/16 (2022.01) H04L 43/062 (2022.01) H04L 43/065 (2022.01)**
[25] EN
[54] **DATA COMMUNICATIONS PERFORMANCE MONITORING**
[54] **SURVEILLANCE DES PERFORMANCES DE COMMUNICATIONS DE DONNEES**
[72] ABDULNOUR, MOHAMED FAKKAR, GB
[72] HUME, KELLY LOUISE, GB
[72] MERCER, PAUL ALAN RONALD, GB
[72] WHITTALL, PHILIP TREVOR, GB
[73] BAE SYSTEMS PLC, GB
[85] 2016-06-16
[86] 2014-12-18 (PCT/EP2014/078444)
[87] (WO2015/091784)
[30] EP (13275328.6) 2013-12-19
[30] GB (1322573.5) 2013-12-19

[11] **2,934,139**
[13] C
[51] **Int.Cl. B23K 9/23 (2006.01) B23K 9/00 (2006.01) B23K 35/00 (2006.01) C21D 9/50 (2006.01)**
[25] EN
[54] **RUDDER TABS**
[54] **PATTES DE GOUVERNAIL**
[72] SEWARD, MALCOLM, GB
[73] BAE SYSTEMS PLC, GB
[85] 2016-06-16
[86] 2014-12-17 (PCT/EP2014/078282)
[87] (WO2015/091681)
[30] GB (1322251.8) 2013-12-17
[30] EP (13275320.3) 2013-12-17

[11] **2,934,305**
[13] C
[51] **Int.Cl. G01V 11/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING A GEOID VIA THREE COMPUTATION SPACES AND AIRBORNE-ACQUIRED GRAVITY DATA**
[54] **PROCEDE ET APPAREIL PERMETTANT DE GENERER UN GEOIDE PAR L'INTERMEDIAIRE DE TROIS ESPACES DE CALCUL ET DE DONNEES DE GRAVITE ACQUISES DE MANIERE AEROPORTEE**
[72] KINGDON, ROBERT, US
[72] SONNIER, CARL, US
[72] ZHONG, DETANG, CA
[73] FUGRO N.V., NL
[85] 2016-06-16
[86] 2014-12-17 (PCT/US2014/070734)
[87] (WO2015/138024)
[30] US (61/917,111) 2013-12-17
[30] US (62/092,446) 2014-12-16
[30] US (14/572,297) 2014-12-16

[11] **2,934,537**
[13] C
[51] **Int.Cl. C07K 5/12 (2006.01)**
[25] EN
[54] **SYNTHESIS OF AN ANTIVIRAL COMPOUND**
[54] **SYNTHESE D'UN COMPOSE ANTIVIRAL**
[72] CAGULADA, AMY, US
[72] CHAN, JOHANN, US
[72] CHAN, LINA, US
[72] COLBY, DENISE A., US
[72] KARKI, KAPIL KUMAR, US
[72] KATO, DARRYL, US
[72] KEATON, KATIE ANN, US
[72] KONDAPALLY, SUDHA, US
[72] LEVINS, CHRIS, US
[72] LITTKE, ADAM, US
[72] MARTINEZ, RUBEN, US
[72] PCION, DOMINIKA, US
[72] REYNOLDS, TROY, US
[72] ROSS, BRUCE, US
[72] SANGI, MICHAEL, US
[72] SCHRIER, ADAM J., US
[72] SENG, PAMELA, US
[72] SIEGEL, DUSTIN, US
[72] SHAPIRO, NATHAN, US
[72] TANG, DONALD, US
[72] TAYLOR, JAMES G., US
[72] TRIPP, JONATHAN, US
[72] YU, LAWRENCE, US
[72] WALTMAN, ANDREW W., US
[73] GILEAD PHARMASSET LLC, US
[85] 2016-06-17
[86] 2014-12-18 (PCT/US2014/071319)
[87] (WO2015/100145)
[30] US (61/920,446) 2013-12-23

[11] **2,934,717**
[13] C
[51] **Int.Cl. A47J 31/36 (2006.01) A47J 31/06 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **BEVERAGE MACHINE CARTRIDGE HOLDER**
[54] **SUPPORT DE CARTOUCHES POUR MACHINE A BOISSONS**
[72] SMITH, GEOFFREY Y., US
[72] LAUNIE, PETER THOMAS, US
[72] BRODIE, JONATHAN ALEXANDER, US
[72] FOSTER, STUART JAY, US
[72] HRISTOV, STOYAN PLAMENOV, US
[72] GREINER, JORDAN DEAN JACK, US
[72] WOSKOV, PETER NICHOLAS, US
[72] RABINO, YOAV, US
[72] SHEPARD, JAMES E., US
[72] TINKLER, IAN, US
[72] JACOBS, WILLIAM T., US
[72] LAZATIN, PATRICK J., US
[72] MCHUGH, WILLIAM PHILIP, US
[72] BRANDIMARTE, KEVIN THOMAS, US
[72] LIUZZA, MARIO, US
[72] MACLEAN, TIMOTHY, US
[73] KEURIG GREEN MOUNTAIN, INC., US
[85] 2016-06-20
[86] 2015-01-15 (PCT/US2015/011542)
[87] (WO2015/109062)
[30] US (14/157,853) 2014-01-17

[11] **2,935,476**
[13] C
[51] **Int.Cl. A47J 31/40 (2006.01) A47J 31/46 (2006.01)**
[25] EN
[54] **EXCHANGEABLE SUPPLY PACK FOR A BEVERAGE DISPENSING MACHINE**
[54] **BLOC D'ALIMENTATION ECHANGEABLE POUR MACHINE DE DISTRIBUTION DE BOISSON**
[72] STANDAAR, KOEN, NL
[72] GIESEN, LEONARDUS HENRICUS WILHELMUS, NL
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2016-06-29
[86] 2015-01-02 (PCT/NL2015/050002)
[87] (WO2015/102493)
[30] NL (2012043) 2014-01-03

[11] **2,935,889**
[13] C
[51] **Int.Cl. A61K 31/506 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **A 6-OXO-1,6-DIHYDRO-PYRIDAZINE DERIVATIVE FOR THE USE FOR THE TREATMENT OF RENAL CELL CARCINOMA (RCC)**
[54] **DERIVE 6-OXO-1,6-DIHYDRO-PYRIDAZINE A UTILISER POUR LE TRAITEMENT DE L'HYPERNEPHROME**
[72] BLADT, FRIEDHELM, DE
[72] FRIESE-HAMIM, MANJA, DE
[73] MERCK PATENT GMBH, DE
[85] 2016-07-05
[86] 2014-12-16 (PCT/EP2014/003365)
[87] (WO2015/104042)
[30] EP (14000036.5) 2014-01-07

[11] **2,935,891**
[13] C
[51] **Int.Cl. E05F 1/10 (2006.01) E05F 3/10 (2006.01)**
[25] EN
[54] **LOW-BULKINESS HINGE**
[54] **CHARNIERE A FAIBLE ENCOMBREMENT**
[72] BACCHETTI, LUCIANO, IT
[73] IN & TEC S.R.L., IT
[85] 2016-07-05
[86] 2015-01-27 (PCT/IB2015/050602)
[87] (WO2015/111026)
[30] IT (VI2014A000016) 2014-01-27
[30] IT (VI2014A000018) 2014-01-27
[30] IT (VI2014A000020) 2014-01-27

[11] **2,936,036**
[13] C
[51] **Int.Cl. A61N 5/10 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING SKIN CANCER USING RADIATION THERAPY**
[54] **METHODE DE TRAITEMENT DU CANCER DE LA PEAU PAR RADIOTHERAPIE**
[72] SUH, K. STEPHEN, US
[72] SAROJINI, SREEJA, US
[72] TUNA, MEHMET, US
[72] BARBIERE, JOSEPH, US
[72] NDLOVU, ALOIS, US
[72] PECORA, ANDREW, US
[72] INGENITO, ANTHONY, US
[73] HACKENSACK UNIVERSITY MEDICAL CENTER, US
[85] 2016-07-06
[86] 2015-01-07 (PCT/EP2015/050184)
[87] (WO2015/101678)
[30] US (61/923,994) 2014-01-06
[30] US (14/591,299) 2015-01-07

[11] **2,936,584**
[13] C
[51] **Int.Cl. H04L 9/00 (2022.01) H04L 9/12 (2006.01) G06Q 20/32 (2012.01)**
[25] EN
[54] **METHOD OF TRANSMITTING ENCRYPTED DATA, METHOD OF RECEPTION, DEVICES AND COMPUTER PROGRAMS CORRESPONDING THERETO**
[54] **METHODE DE TRANSMISSION DE DONNEES CHIFFREES, METHODE DE RECEPTION, DISPOSITIFS ET PROGRAMMES INFORMATIQUES CORRESPONDANTS**
[72] NACCACHE, DAVID, FR
[73] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[85] 2016-07-12
[86] 2015-01-16 (PCT/EP2015/050823)
[87] (WO2015/107175)
[30] FR (1450408) 2014-01-17

[11] **2,937,343**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/22 (2006.01) C07K 16/30 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **HUMAN ANTIBODIES TO PD-L1**
[54] **ANTICORPS HUMAINS DIRIGES CONTRE PD-L1**
[72] PAPADOPOULOS, NICHOLAS J., US
[72] MURPHY, ANDREW J., US
[72] THURSTON, GAVIN, US
[72] IOFFE, ELLA, US
[72] BUROVA, ELENA, US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2016-07-19
[86] 2015-01-23 (PCT/US2015/012595)
[87] (WO2015/112805)
[30] US (61/930,582) 2014-01-23
[30] US (62/089,549) 2014-12-09

[11] **2,937,367**
[13] C
[51] **Int.Cl. B29C 65/08 (2006.01)**
[25] EN
[54] **ULTRASONIC SONOTRODE FOR TRANSVERSELY ALIGNED TRANSDUCER**
[54] **SONOTRODE PAR ULTRASONS DESTINEE A UN TRANSDUCTEUR ALIGNE TRANSVERSALEMENT**
[72] SHORT, MATTHEW A., US
[73] EWI, INC., US
[85] 2016-07-19
[86] 2015-01-27 (PCT/US2015/013085)
[87] (WO2015/116587)
[30] US (14/166,036) 2014-01-28

[11] **2,937,615**
[13] C
[51] **Int.Cl. E01F 13/02 (2006.01)**
[25] EN
[54] **IMPROVED BARRIER CONNECTION SYSTEM AND METHOD THEREOF**
[54] **SYSTEME DE RACCORDEMENT DE BARRIERE AMELIORE ET SON PROCEDE**
[72] SMITH, LUKE, GB
[72] COWAN, DEAN, GB
[73] THREE SMITH GROUP LIMITED, GB
[85] 2016-07-21
[86] 2015-01-21 (PCT/GB2015/050129)
[87] (WO2015/110805)
[30] GB (1401019.3) 2014-01-21
[30] GB (1401020.1) 2014-01-21
[30] GB (1401017.7) 2014-01-21
[30] GB (1401016.9) 2014-01-21

---

[11] **2,937,770**
[13] C
[51] **Int.Cl. B25B 23/14 (2006.01) A61B 90/00 (2016.01) A61B 17/88 (2006.01) B25B 23/147 (2006.01) B25B 23/157 (2006.01)**
[25] EN
[54] **MODULAR CLUTCH ASSEMBLY**
[54] **ENSEMBLE EMBRAYAGE MODULAIRE**
[72] NINO, JOHN, US
[72] IVINSON, DAVID, US
[73] ECA MEDICAL INSTRUMENTS, US
[85] 2016-07-21
[86] 2015-03-24 (PCT/US2015/022308)
[87] (WO2015/153204)
[30] US (61/973,657) 2014-04-01

---

[11] **2,937,978**
[13] C
[51] **Int.Cl. A61K 31/7076 (2006.01) A61K 38/21 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **USE OF CLADRIBINE FOR TREATING NEUROMYELITIS OPTICA**
[54] **UTILISATION DE CLADRIBINE POUR TRAITER LA NEUROMYELITE OPTIQUE**
[72] ROACH, ARTHUR HENRY, CH
[72] REJDAK, KONRAD, PL
[73] CHORD THERAPEUTICS S.A.R.L., CH
[85] 2016-07-26
[86] 2015-01-27 (PCT/GB2015/050177)
[87] (WO2015/114315)
[30] GB (1401465.8) 2014-01-29

---

[11] **2,938,221**
[13] C
[51] **Int.Cl. A61M 1/16 (2006.01) B01D 63/02 (2006.01) B01D 69/08 (2006.01) B01D 71/44 (2006.01) B01D 71/68 (2006.01)**
[25] EN
[54] **MEMBRANE FOR BLOOD PURIFICATION**
[54] **MEMBRANE DE PURIFICATION DU SANG**
[72] BOSCHETTI-DE-FIERRO, ADRIANA, DE
[72] VOIGT, MANUEL, DE
[72] KRAUSE, BERND, DE
[72] HORNUNG, MARKUS, DE
[72] STORR, MARKUS, DE
[72] BEHR, HEINRICH, DE
[72] BECK, WERNER, DE
[72] ZWEIGART, CARINA, DE
[72] BUCK, REINHOLD, DE
[72] HERBST, PHILIPP, DE
[72] LOERCHER, JOACHIM, DE
[72] WOCHNER, ARND, DE
[73] GAMBRO LUNDIA AB, SE
[85] 2016-07-28
[86] 2015-02-05 (PCT/EP2015/052364)
[87] (WO2015/118045)
[30] EP (14154175.5) 2014-02-06

---

[11] **2,938,295**
[13] C
[51] **Int.Cl. B65D 53/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPLEMENTING CAP CLOSURE FOR CARBONATED AND OXYGEN SENSITIVE BEVERAGES**
[54] **SYSTEME ET PROCEDE PERMETTANT D'APPLIQUER UNE FERMETURE DE CAPSULE POUR BOISSONS GAZEUSES ET SENSIBLES A L'OXYGENE**
[72] TORRISON, MIRIAM, US
[72] CUNNINGHAM, JOHN, US
[72] DEJONG, SCOTT, US
[73] G3 ENTERPRISES, INC., US
[85] 2016-07-28
[86] 2015-01-28 (PCT/US2015/013346)
[87] (WO2015/116717)
[30] US (61/932,701) 2014-01-28

---

[11] **2,938,435**
[13] C
[51] **Int.Cl. A61M 1/06 (2006.01)**
[25] EN
[54] **METHODS, APPARATUS, AND SYSTEM FOR EXPRESSION OF HUMAN BREAST MILK**
[54] **PROCEDES, APPAREIL ET SYSTEME POUR L'EXTRACTION DE LAIT MATERNEL HUMAIN**
[72] ALVAREZ, JEFFERY B., US
[72] ALVAREZ, JANICA B., US
[72] GOLDENBERG, ALEX, US
[72] STAHLER, GREG, US
[73] WILLOW INNOVATIONS, INC., US
[85] 2016-07-29
[86] 2015-02-06 (PCT/US2015/014901)
[87] (WO2015/120321)
[30] US (61/937,027) 2014-02-07

---

[11] **2,938,580**
[13] C
[51] **Int.Cl. G06F 9/06 (2006.01)**
[25] EN
[54] **APPLICATION EXECUTION CONTROL UTILIZING ENSEMBLE MACHINE LEARNING FOR DISCERNMENT**
[54] **COMMANDE D'EXECUTION D'APPLICATIONS EMPLOYANT UN APPRENTISSAGE AUTOMATIQUE D'ENSEMBLE POUR LE DISCERNEMENT**
[72] PERMEH, RYAN, US
[72] SOEDER, DEREK A., US
[72] CHISHOLM, GLENN, US
[72] RUSSELL, BRADEN, US
[72] GOLOMB, GARY, US
[72] WOLFF, MATTHEW, US
[72] MCCLURE, STUART, US
[73] CYLANCE INC., US
[85] 2016-08-02
[86] 2015-02-06 (PCT/US2015/014769)
[87] (WO2015/120243)
[30] US (61/937,379) 2014-02-07

[11] **2,939,403**
[13] C
[51] **Int.Cl. G01S 5/00 (2006.01) A63B 71/06 (2006.01) G01S 11/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OBJECT TRACKING ANTI-JITTER FILTERING**
[54] **SYSTEME ET PROCEDE POUR FILTRAGE ANTI-GIGUE DE SUIVI D'OBJET**
[72] DEANGELIS, DOUGLAS J., US
[72] REILLY, GERARD M., US
[72] SIGEL, KIRK M., US
[72] EVANSEN, EDWARD G., US
[73] ISOLYNX, LLC, US
[86] (2939403)
[87] (2939403)
[22] 2013-11-12
[62] 2,890,546
[30] US (13/674,747) 2012-11-12

[11] **2,940,170**
[13] C
[51] **Int.Cl. G02B 6/36 (2006.01) G02B 6/24 (2006.01)**
[25] EN
[54] **PRE-INITIATED OPTICAL FIBERS FOR MEDICAL APPLICATIONS**
[54] **FIBRES OPTIQUES PRE-AMORCEES POUR APPLICATIONS MEDICALES**
[72] SIVRIVER, ALINA, US
[72] BOUTOUSSOV, DMITRI, US
[73] BIOLASE, INC., US
[85] 2016-08-18
[86] 2015-02-20 (PCT/US2015/016962)
[87] (WO2015/127309)
[30] US (61/942,385) 2014-02-20

[11] **2,940,246**
[13] C
[51] **Int.Cl. G06F 12/0866 (2016.01) G06F 11/07 (2006.01)**
[25] EN
[54] **PAGE CACHE WRITE LOGGING AT BLOCK-BASED STORAGE**
[54] **JOURNALISATION D'ECRITURES D'UNE MEMOIRE CACHE DE PAGE DANS UN SYSTEME DE STOCKAGE A BASE DE BLOCS**
[72] WEI, DANNY, US
[72] GUTHRIE, JOHN LUTHER, II, US
[72] THOMPSON, JAMES MICHAEL, US
[72] HAWKS, BENJAMIN ARTHUR, US
[72] KUSTERS, NORBERT P., US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2016-08-18
[86] 2015-03-10 (PCT/US2015/019574)
[87] (WO2015/138375)
[30] US (14/205,067) 2014-03-11

[11] **2,940,269**
[13] C
[51] **Int.Cl. C07D 213/82 (2006.01) C07C 235/60 (2006.01) C07D 213/56 (2006.01) C07D 213/81 (2006.01) C07D 213/89 (2006.01) C07D 231/12 (2006.01) C07D 233/64 (2006.01) C07D 261/08 (2006.01) C07D 277/30 (2006.01) C07D 307/54 (2006.01) C07D 333/24 (2006.01) C07D 401/04 (2006.01) C07D 405/12 (2006.01) C07D 409/04 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **MITOCHONDRIAL ALDEHYDE DEHYDROGENASE 2 (ALDH2) BINDING POLYCYCLIC AMIDES AND THEIR USE FOR THE TREATMENT OF CANCER**
[54] **AMIDES POLYCYCLIQUES SE LIANT A L'ALDEHYDE DESHYDROGENASE 2 (ALDH2) MITOCHONDRIALE ET LEUR UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] YANG, WENJIN, US
[72] YU, TEH-YIE, US
[72] JIANG, CHUN, US
[73] AVIV THERAPEUTICS, INC., US
[85] 2016-08-19
[86] 2015-02-19 (PCT/US2015/016703)
[87] (WO2015/127137)
[30] US (61/941,909) 2014-02-19

[11] **2,940,278**
[13] C
[51] **Int.Cl. G02B 6/02 (2006.01) G02B 1/10 (2015.01)**
[25] EN
[54] **POLYMER COATED OPTICAL FIBER**
[54] **FIBRE OPTIQUE REVETUE DE POLYMERE**
[72] RACOSKY, MICHAEL, US
[72] BRIGGS, WILLIAM, US
[72] DEMETZ, FRED, US
[72] HULL, JOHN, CA
[72] JALILIAN, SEYED EHSAN, CA
[73] SONORO, LLC, US
[85] 2016-08-19
[86] 2015-02-19 (PCT/US2015/016664)
[87] (WO2015/127109)
[30] US (61/941,958) 2014-02-19

[11] **2,940,785**
[13] C
[51] **Int.Cl. A01K 5/00 (2006.01)**
[25] EN
[54] **PIVOTABLE FEED MIXER**
[54] **MELANGEUR PIVOTANT D'ALIMENTS**
[72] HANSEN, HENRIK LUND, DK
[73] GEA FARM TECHNOLOGIES GMBH, DE
[73] GEA FARM TECHNOLOGIES MULLERUP A/S, DK
[85] 2016-08-25
[86] 2015-03-04 (PCT/EP2015/054515)
[87] (WO2015/139960)
[30] DE (10 2014 103 857.6) 2014-03-20

[11] **2,940,905**
[13] C
[51] **Int.Cl. G06F 9/46 (2006.01) G06F 9/50 (2006.01)**
[25] EN
[54] **DYNAMIC ENABLEMENT OF MULTITHREADING**
[54] **ACTIVATION DYNAMIQUE D'UN TRAITEMENT MULTIFIL**
[72] GREINER, DAN, US
[72] FARRELL, MARK, US
[72] OSISEK, DAMIAN LEO, US
[72] SCHMIDT, DONALD WILLIAM, US
[72] BUSABA, FADI YUSUF, US
[72] KUBALA, JEFFREY PAUL, US
[72] BRADBURY, JONATHAN DAVID, US
[72] HELLER, LISA CRANTON, US
[72] SLEGEL, TIMOTHY, US
[72] GAINEY, CHARLES, JR. (DECEASED), US
[72] JACOBI, CHRISTIAN, US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2016-08-26
[86] 2015-03-19 (PCT/EP2015/055746)
[87] (WO2015/144544)
[30] US (14/226,881) 2014-03-27

[11] **2,940,988**
[13] C
[51] **Int.Cl. G06F 9/46 (2006.01)**
[25] EN
[54] **THREAD CONTEXT RESTORATION IN A MULTITHREADING COMPUTER SYSTEM**
[54] **RESTAURATION DE CONTEXTE DE FILS DANS UN SYSTEME INFORMATIQUE MULTIFIL**
[72] GREINER, DAN, US
[72] FARRELL, MARK, US
[72] OSISEK, DAMIAN LEO, US
[72] SCHMIDT, DONALD WILLIAM, US
[72] BUSABA, FADI YUSUF, US
[72] KUBALA, JEFFREY PAUL, US
[72] BRADBURY, JONATHAN DAVID, US
[72] HELLER, LISA CRANTON, US
[72] SLEGEL, TIMOTHY, US
[72] GAINEY, CHARLES, JR. (DECEASED), US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2016-08-26
[86] 2015-03-16 (PCT/EP2015/055444)
[87] (WO2015/144477)
[30] US (14/226,911) 2014-03-27

[11] **2,941,421**
[13] C
[51] **Int.Cl. A61K 6/62 (2020.01) A61K 6/889 (2020.01)**
[25] EN
[54] **PHOTOPOLYMERIZABLE AND DUAL-CURING DENTAL MATERIALS BASED ON THIOUREA DERIVATIVES**
[54] **MATERIAUX DENTAIRES PHOTOPOLYMERISABLES ET A POLYMERISATION DUALE A BASE DE DERIVES DE THIO-UREE**
[72] MOSZNER, NORBERT, LI
[72] BURTSCHER, PETER, AT
[72] GIANASMIDIS, ALEXANDROS, CH
[73] IVOCLAR VIVADENT AG, LI
[85] 2016-09-01
[86] 2015-03-19 (PCT/EP2015/055858)
[87] (WO2015/140276)
[30] EP (14160824.0) 2014-03-20

[11] **2,941,483**
[13] C
[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **DENTAL IMPLANT**
[54] **IMPLANT DENTAIRE**
[72] HALL, JAN, SE
[72] KULLBERG, FREDRIK, SE
[73] NOBEL BIOCARE SERVICES AG, CH
[85] 2016-09-01
[86] 2015-03-05 (PCT/EP2015/054570)
[87] (WO2015/132323)
[30] GB (1404049.7) 2014-03-07

[11] **2,941,648**
[13] C
[51] **Int.Cl. E21B 43/116 (2006.01) E21B 43/11 (2006.01) E21B 43/1185 (2006.01) E21B 43/119 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR POSITIONING A DETONATOR WITHIN A PERFORATING GUN ASSEMBLY**
[54] **DISPOSITIF ET PROCEDE DE POSITIONNEMENT D'UN DETONATEUR DANS UN ENSEMBLE PERFORATEUR**
[72] BURMEISTER, GERNOT UWE, US
[72] BRADFIELD, THOMAS KELLER, US
[72] EITSCHBERGER, CHRISTIAN, DE
[72] PREISS, FRANK HARON, DE
[72] SCHARF, THILO, IE
[72] MCNELIS, LIAM, DE
[73] DYNAENERGETICS EUROPE GMBH, DE
[85] 2016-09-02
[86] 2015-03-05 (PCT/US2015/018906)
[87] (WO2015/134719)
[30] US (61/949,939) 2014-03-07

[11] **2,941,741**
[13] C
[51] **Int.Cl. H04W 28/16 (2009.01) H04W 24/02 (2009.01) H04W 56/00 (2009.01)**
[25] EN
[54] **SIMULTANEOUS CHANNEL SWITCHING WITHIN A MESH NETWORK**
[54] **COMMUTATION DE CANAUX SIMULTANEE DANS UN RESEAU MAILLE**
[72] KALKUNTE, VENKAT, US
[73] VIVINT, INC., US
[85] 2016-09-06
[86] 2015-03-10 (PCT/US2015/019728)
[87] (WO2015/138463)
[30] US (61/951,029) 2014-03-11

[11] **2,941,900**
[13] C
[51] **Int.Cl. C07K 5/06 (2006.01) A61K 38/05 (2006.01) A61P 1/04 (2006.01) A61P 1/16 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 27/02 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01) A61P 31/20 (2006.01) C07K 5/037 (2006.01)**
[25] EN
[54] **AMIDE COMPOUNDS, METHODS FOR PREPARATION, AND USE THEREOF AS AGENTS FOR THE TREATMENT AND PREVENTION OF DISEASES CAUSED BY RNA- AND/OR DNA-CONTAINING VIRUSES, AND CONCOMITANT DISEASES**
[54] **COMPOSES D'AMIDE, METHODE DE PREPARATION ET UTILISATION DESDITS COMPOSES COMME AGENTS DE TRAITEMENT ET DE PREVENTION DE MALADIES CAUSEES PAR DES VIRUS COMPORTANT DE L'ARN OU DE L'ADN, ET MALADIES CONCOMITANTES**
[72] NEBOLSIN, VLADIMIR EVGENIEVICH, RU
[72] KROMOVA, TATYANA ALEXANDROVNA, RU
[73] OBSCHESTVO S OGRANICHENNOI OTVETSTVENNOSTIYU "PHARMENTERPRISES", RU
[85] 2016-09-07
[86] 2015-02-27 (PCT/RU2015/000121)
[87] (WO2015/137846)
[30] RU (2014109441) 2014-03-12

[11] **2,942,429**
[13] C
[51] **Int.Cl. B60P 1/43 (2006.01) B60P 1/02 (2006.01) B62B 3/04 (2006.01) B62D 53/00 (2006.01) B62D 63/06 (2006.01)**
[25] EN
[54] **TRAILER-TRAIN TRAILER WITH CARRYING FRAME FOR A MATERIAL TRANSPORT CART**
[54] **REMORQUE DE TRAIN DE REMORQUES AVEC BATI DE SUPPORT POUR CHARIOT DE PRODUITS A TRANSPORTER**
[72] BERGHAMMER, FRITZ, DE
[73] LR INTRALOGISTIK GMBH, DE
[85] 2016-09-12
[86] 2014-12-19 (PCT/EP2014/078772)
[87] (WO2015/149892)
[30] DE (20 2014 101 510.8) 2014-03-31

[11] **2,943,074**
[13] C
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **JACKET FOR A FIBER OPTIC CABLE**
[54] **GAINE POUR CABLE A FIBRES OPTIQUES**
[72] BRINGUIER, ANNE GERMAINE, US
[72] WILLIAMSON, BRANDON ROBERT, US
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
[85] 2016-09-16
[86] 2015-03-12 (PCT/US2015/020082)
[87] (WO2015/142604)
[30] US (61/954,774) 2014-03-18

[11] **2,943,440**
[13] C
[51] **Int.Cl. B01D 29/46 (2006.01)**
[25] EN
[54] **MODULAR SCREW PRESS**
[54] **PRESSE A VIS MODULAIRE**
[72] BOIVIN, ALAIN, CA
[72] LABRUM, DEANE, AU
[72] SIMARD, GUY, CA
[72] VANDAL, PASCAL, CA
[73] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA
[85] 2016-09-21
[86] 2015-04-09 (PCT/IB2015/000469)
[87] (WO2015/162473)
[30] EP (14001432.5) 2014-04-22

[11] **2,943,557**
[13] C
[51] **Int.Cl. H04W 52/02 (2009.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PERFORMING FRACTIONAL SUBFRAME TRANSMISSION**
[54] **PROCEDE ET APPAREIL POUR L'EXECUTION DE TRANSMISSION DE SOUS-TRAME FRACTIONNELLE**
[72] JIANG, LEI, CN
[72] LIU, HONGMEI, CN
[72] WANG, GANG, CN
[72] SUN, ZHENNIAN, CN
[72] JIANG, CHUANGXIN, CN
[73] NEC CORPORATION, JP
[85] 2016-09-22
[86] 2015-01-30 (PCT/CN2015/071898)
[87] (WO2016/119192)

[11] **2,943,565**
[13] C
[51] **Int.Cl. H02M 5/06 (2006.01) H02M 1/00 (2007.10) H02M 1/12 (2006.01) H02M 7/44 (2006.01)**
[25] EN
[54] **ELECTRONIC SINE WAVE TRANSFORMER**
[54] **TRANSFORMATEUR ELECTRONIQUE D'ONDES SINUSOIDALES**
[72] RINALDI, VITO, CA
[73] RINALDI, VITO, CA
[85] 2016-09-22
[86] 2014-03-18 (PCT/CA2014/000279)
[87] (WO2014/146195)
[30] US (13/849,025) 2013-03-22

[11] **2,943,583**
[13] C
[51] **Int.Cl. A61K 31/5377 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **TREATMENT OF EPILEPTIC DISORDERS IN FELINE ANIMALS**
[54] **TRAITEMENT DE TROUBLES EPILEPTIQUES CHEZ UN FELIN**
[72] ENGEL, ODILO RANDOLF, DE
[72] MICHEL, ANNALENA, DE
[72] DE VRIES, FRERICH, DE
[73] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2016-09-22
[86] 2015-03-20 (PCT/EP2015/055893)
[87] (WO2015/144576)
[30] EP (PCT/EP2014/055843) 2014-03-24
[30] EP (PCT/EP2014/059525) 2014-05-09
[30] EP (14180415.3) 2014-08-08

[11] **2,943,627**
[13] C
[51] **Int.Cl. F02K 1/60 (2006.01) F02K 1/70 (2006.01) F02K 1/76 (2006.01)**
[25] FR
[54] **SYSTEM FOR LOCKING A THRUST REVERSER WITH FLAPS, COMPRISING LOCKS FOR AN INTERMEDIATE OPENING POSITION**
[54] **SYSTEME DE VERROUILLAGE D'UN INVERSEUR DE POUSSEE A PORTES, COMPORTANT DES VERROUS POUR UNE POSITION D'OUVERTURE INTERMEDIAIRE**
[72] HUE, CORENTIN, FR
[72] DENIS, RODOLPHE, FR
[72] GUILLOIS, DENIS, FR
[72] TISSOT, SARAH, FR
[73] AIRCELLE, FR
[85] 2016-09-22
[86] 2015-04-02 (PCT/FR2015/050863)
[87] (WO2015/150707)
[30] FR (14/52930) 2014-04-02

[11] **2,943,808**
[13] C
[51] **Int.Cl. A61K 9/10 (2006.01) A61K 31/506 (2006.01) A61K 47/32 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL FORMULATIONS OF A PAN-RAF KINASE INHIBITOR, PROCESSES FOR THEIR PREPARATION, AND METHODS OF USE**
[54] **FORMULATION PHARMACEUTIQUE D'UN INHIBITEUR DE LA KINASE PAN-RAF, SES PROCEDES DE PREPARATION, ET PROCEDES D'UTILISATION**
[72] BRAKE, RACHAEL L., US
[72] BOZON, VIVIANA, US
[72] CHOW, CHING-KUO J., US
[72] DINUNZIO, JAMES C., US
[72] GALVIN, KATHERINE M., US
[72] KANNAN, KARUPPIAH, US
[72] KODONO, YUKI, JP
[72] XU, QUNLI, US
[73] DAY ONE BIOPHARMACEUTICALS, INC., US
[85] 2016-09-23
[86] 2015-03-26 (PCT/US2015/022792)
[87] (WO2015/148828)
[30] US (61/970,595) 2014-03-26
[30] US (62/048,527) 2014-09-10
[30] PK (162/2015) 2015-03-25
[30] UY (36.046) 2015-03-25

[11] **2,944,168**
[13] C
[51] **Int.Cl. B01F 21/20 (2022.01) C02F 1/50 (2006.01) C02F 1/68 (2006.01) C02F 1/76 (2006.01)**
[25] EN
[54] **CHEMICAL FEEDER**
[54] **DISPOSITIF D'ALIMENTATION EN PRODUIT CHIMIQUE**
[72] FERGUSON, RICHARD H., US
[72] MILLER, JOHN GARY, US
[72] SCHIFFMAN, FRANK, US
[73] EAGLE US 2 LLC, US
[85] 2016-09-27
[86] 2015-03-24 (PCT/US2015/022183)
[87] (WO2015/153186)
[30] US (61/975,023) 2014-04-04
[30] US (14/642,790) 2015-03-10

[11] **2,944,423**
[13] C
[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/10 (2006.01) A01C 7/20 (2006.01) G05B 19/042 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MANAGING THE HAND-OFF BETWEEN CONTROL TERMINALS**
[54] **PROCEDE ET SYSTEME POUR LA GESTION DE TRANSFERT ENTRE DES TERMINAUX DE COMMANDE**
[72] GELINSKE, JOSHUA N., US
[72] BATCHELLER, BARRY D., US
[72] TRANA, JESSE S., US
[72] BADER, TRAVIS N., US
[73] INTELLIGENT AGRICULTURAL SOLUTIONS, LLC, US
[85] 2016-09-28
[86] 2015-03-30 (PCT/US2015/023415)
[87] (WO2015/149078)
[30] US (14/229,492) 2014-03-28

[11] **2,944,631**
[13] C
[51] **Int.Cl. A61M 16/00 (2006.01)**
[25] EN
[54] **DELIVERING VARIABLE POSITIVE AIRWAY PRESSURE DEPENDING ON AWAKE STATE AND SLEEP DISORDERED BREATHING**
[54] **ADMINISTRATION DE PRESSION POSITIVE EXPIRATOIRE VARIABLE EN FONCTION D'UN ETAT EVEILLE ET DE TROUBLES RESPIRATOIRES DU SOMMEIL**
[72] GERRED, ANDREW GORDON, NZ
[72] WHITING, DAVID ROBIN, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[85] 2016-09-30
[86] 2015-03-27 (PCT/IB2015/052255)
[87] (WO2015/150997)
[30] US (61/974,310) 2014-04-02

[11] **2,944,904**
[13] C
[51] **Int.Cl. B65D 30/08 (2006.01)**
[25] EN
[54] **WOVEN PLASTIC BAGS WITH FEATURES THAT REDUCE LEAKAGE, BREAKAGE AND INFESTATIONS**
[54] **SACS EN PLASTIQUE TISSES COMPORTANT DES CARACTERISTIQUES DE REDUCTION DE FUITE, BRIS ET INFESTATIONS**
[72] BAZBAZ, JACOBO, US
[72] ZAROLI, ALBERTO, US
[73] POLYTEX FIBERS LLC, US
[85] 2016-10-04
[86] 2015-04-03 (PCT/US2015/024319)
[87] (WO2015/154014)
[30] US (61/975,689) 2014-04-04

[11] **2,945,201**
[13] C
[51] **Int.Cl. A61K 39/39 (2006.01) A61K 39/145 (2006.01) A61P 31/16 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **VACCINE COMPOSITIONS**
[54] **COMPOSITIONS DE VACCIN**
[72] DREW, JEFFREY, GB
[73] STABILITECH LTD, GB
[85] 2016-10-07
[86] 2015-04-08 (PCT/GB2015/051072)
[87] (WO2015/155527)
[30] GB (1406569.2) 2014-04-11

[11] **2,945,312**
[13] C
[51] **Int.Cl. H04B 17/318 (2015.01) H04B 17/24 (2015.01)**
[25] EN
[54] **REPORTING TECHNIQUES FOR REFERENCE SIGNAL RECEIVED QUALITY (RSRQ) MEASUREMENTS**
[54] **TECHNIQUES DE SIGNALISATION POUR MESURES DE QUALITE DE SIGNAL DE REFERENCE RECU (RSRQ)**
[72] HUANG, RUI, CN
[72] TANG, YANG, US
[72] YU, ZHIBIN, DE
[72] PU, TIAN YAN, DE
[73] INTEL CORPORATION, US
[85] 2016-10-07
[86] 2015-03-28 (PCT/US2015/023208)
[87] (WO2015/171216)
[30] US (61/990,912) 2014-05-09

[11] **2,945,403**
[13] C
[51] **Int.Cl. B42D 25/328 (2014.01) B41F 7/00 (2006.01) B41M 3/14 (2006.01) G02B 5/02 (2006.01) G02B 5/18 (2006.01)**
[25] EN
[54] **SECURITY ELEMENT AND METHOD FOR PRODUCING A SECURITY ELEMENT HAVING LIGHT-SCATTERING STRUCTURES**
[54] **ELEMENT DE SECURITE ET PROCEDE DE FABRICATION D'UN ELEMENT DE SECURITE MUNI DE STRUCTURES DISPERSANT LA LUMIERE**
[72] TRASSL, STEFAN, AT
[72] SCHMIDEGG, KLAUS, AT
[72] BELEGRATIS, MARIA, AT
[72] SCHMIDT, VOLKER, AT
[72] STEINDORFER, MICHAEL, AT
[72] STADLOBER, BARBARA, AT
[73] HUECK FOLIEN GES.M.B.H., AT
[73] JOANNEUM RESEARCH FORSCHUNGSGESELLSCHAFT MBH, AT
[85] 2016-10-11
[86] 2015-05-11 (PCT/EP2015/000970)
[87] (WO2015/188908)
[30] AT (A 454/2014) 2014-06-10

[11] **2,945,511**
[13] C
[51] **Int.Cl. C08J 5/04 (2006.01) C08K 7/02 (2006.01) C08L 21/00 (2006.01)**
[25] EN
[54] **OPTIMIZED FIBER LOADING OF RUBBER USEFUL IN PDM STATORS**
[54] **CHARGEMENT DE FIBRE OPTIMISEE DE CAOUTCHOUC UTILE DANS LES STATORS PDM**
[72] CARIVEAU, PETER THOMAS, US
[72] BOHMER, ROBERT, US
[73] ABACO DRILLING TECHNOLOGIES LLC, US
[86] (2945511)
[87] (2945511)
[22] 2016-10-13
[30] US (62/240,876) 2015-10-13

[11] **2,945,790**
[13] C
[51] **Int.Cl. B01D 53/94 (2006.01)**
[25] EN
[54] **ZONED CATALYST COMPOSITES**
[54] **COMPOSITES CATALYTIQUES A ZONES**
[72] GRAMICCIONI, GARY A., US
[72] MUNDING, ANDREAS RICHARD, US
[72] VOSS, KENNETH E., US
[72] NEUBAUER, TORSTEN, DE
[72] ROTH, STANLEY A., US
[73] BASF CORPORATION, US
[85] 2016-10-13
[86] 2015-04-17 (PCT/US2015/026298)
[87] (WO2015/161154)
[30] US (61/980,846) 2014-04-17
[30] US (14/681,552) 2015-04-08

[11] **2,945,838**
[13] C
[51] **Int.Cl. C07K 14/64 (2006.01) A61K 38/30 (2006.01) A61P 9/00 (2006.01) C07K 19/00 (2006.01) C12N 15/16 (2006.01)**
[25] EN
[54] **MODIFIED RELAXIN B CHAIN PEPTIDES**
[54] **PEPTIDES A CHAINE B DE RELAXINE MODIFIES**
[72] BATHGATE, ROSS ALEXANDER DAVID, AU
[72] HOSSAIN, MOHAMMED AKHTER, AU
[72] WADE, JOHN DESMOND, AU
[73] THE FLOREY INSTITUTE OF NEUROSCIENCE AND MENTAL HEALTH, AU
[85] 2016-10-14
[86] 2015-04-17 (PCT/AU2015/050184)
[87] (WO2015/157829)
[30] AU (2014901409) 2014-04-17

[11] **2,945,961**
[13] C
[51] **Int.Cl. C08L 33/24 (2006.01) G02B 1/04 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **(METH)ACRYLAMIDE POLYMERS FOR CONTACT LENS AND INTRAOCULAR LENS**
[54] **POLYMERES DE (METH)ACRYLAMIDE POUR LENTILLE DE CONTACT ET LENTILLE INTRAOCULAIRE**
[72] BENZ, PATRICK H., US
[72] REBOUL, ADAM, US
[73] BENZ RESEARCH AND DEVELOPMENT CORP., US
[85] 2016-10-14
[86] 2015-04-17 (PCT/US2015/026371)
[87] (WO2015/161199)
[30] US (61/981,684) 2014-04-18

[11] **2,946,368**
[13] C
[51] **Int.Cl. B65D 77/20 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A LAMINATE FOR MAKING CLOSING ELEMENTS FOR CONTAINERS OR RECEPTACLES, LAMINATE AND CONTAINER**
[54] **PROCEDE DE FABRICATION D'UN STRATIFIE POUR LA FABRICATION D'ELEMENTS DE FERMETURE POUR DES CONTENANTS OU RECIPIENTS, STRATIFIE ET CONTENANT**
[72] ZANARELLA, CLAUDIO ERNESTINO, IT
[73] SMILESYS S.P.A., IT
[85] 2016-09-27
[86] 2015-03-24 (PCT/IB2015/052129)
[87] (WO2015/145338)
[30] IT (MI2014A000530) 2014-03-27

[11] **2,946,460**
[13] C
[51] **Int.Cl. A61K 38/39 (2006.01) A61K 33/00 (2006.01) A61K 35/32 (2015.01) A61L 27/36 (2006.01) A61L 27/46 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING A BONE PASTE**
[54] **PROCEDE DE FABRICATION DE PATE OSSEUSE**
[72] BARDONNET, RAPHAEL, FR
[72] BARBEITO, ANA, FR
[73] BIOBANK, FR
[85] 2016-10-20
[86] 2015-04-21 (PCT/FR2015/051076)
[87] (WO2015/162372)
[30] FR (14 53726) 2014-04-25

[11] **2,946,696**
[13] C
[51] **Int.Cl. G01N 21/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTINUOUS, REAL-TIME MONITORING OF CHEMICAL CONTAMINANTS IN CARBON DIOXIDE**
[54] **SYSTEME ET PROCEDE POUR UNE SURVEILLANCE EN TEMPS REEL ET CONTINUE DE CONTAMINANTS CHIMIQUES DANS DU DIOXYDE DE CARBONE**
[72] CAMPBELL, DANIEL, US
[72] CASPALL, JAYME, US
[72] COBB-SULLIVAN, JANET, US
[72] JOHNSON, KENNETH, US
[72] JONES, ROBERT, US
[72] STARR, LARRY, US
[72] SLAWSON, MICHAEL, US
[72] WANG, RUOYA, US
[73] THE COCA-COLA COMPANY, US
[85] 2016-10-21
[86] 2015-02-15 (PCT/US2015/015986)
[87] (WO2015/123622)
[30] US (61/940,250) 2014-02-14

[11] **2,946,750**
[13] C
[51] **Int.Cl. C03B 3/00 (2006.01) C03B 3/02 (2006.01) C03B 5/20 (2006.01)**
[25] EN
[54] **GLASS FURNACE**
[54] **FOUR VERRIER**
[72] WANG, ZHONGMING, US
[72] WEIL, SCOTT, US
[72] GULLINKALA, TILAK, US
[72] VEMPATI, UDAYA, US
[72] KADUR, SHIVAKUMAR S., US
[73] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2016-10-21
[86] 2015-04-24 (PCT/US2015/027440)
[87] (WO2015/164694)
[30] US (14/262,113) 2014-04-25

[11] **2,946,997**
[13] C
[51] **Int.Cl. F16B 12/10 (2006.01) A47B 47/00 (2006.01) A47B 61/00 (2006.01)**
[25] EN
[54] **MECHANICAL LOCKING SYSTEM FOR BUILDING PANELS**
[54] **SYSTEME DE VERROUILLAGE MECANIQUE POUR PANNEAUX DE CONSTRUCTION**
[72] PERVAN, DARKO, SE
[73] VALINGE INNOVATION AB, SE
[85] 2016-10-25
[86] 2015-05-08 (PCT/SE2015/050518)
[87] (WO2015/171068)
[30] SE (1400231-5) 2014-05-09

[11] **2,947,400**
[13] C
[51] **Int.Cl. A01G 9/22 (2006.01)**
[25] EN
[54] **FASTENING SYSTEM AND SCREEN INSTALLATION FOR A GREENHOUSE, AS WELL AS METHOD FOR ATTACHING THE SAME**
[54] **SYSTEME DE FIXATION ET INSTALLATION D'OMBRAGE POUR SERRE AINSI QUE PROCEDE DE FIXATION DE CELLE-CI**
[72] VAN DEURSEN, ADRIANUS GERARDUS, NL
[72] BROOS, JOHAN MARTIEN, NL
[72] PRINS, VINCENT, NL
[73] VAN DER VALK SYSTEMEN B.V., NL
[85] 2016-10-28
[86] 2015-04-30 (PCT/NL2015/050291)
[87] (WO2015/167334)
[30] NL (2012719) 2014-04-30

[11] **2,947,753**
[13] C
[51] **Int.Cl. F15B 3/00 (2006.01) B60P 1/16 (2006.01) B61D 9/02 (2006.01)**
[25] EN
[54] **AIR-TO-HYDRAULIC FLUID PRESSURE AMPLIFIER**
[54] **AMPLIFICATEUR DE PRESSION DE L'AIR AU FLUIDE HYDRAULIQUE**
[72] VILLAR, CHRIS, US
[72] WARRINGTON, MATTHEW, US
[73] LORAM TECHNOLOGIES, INC., US
[85] 2016-11-01
[86] 2015-05-06 (PCT/US2015/029386)
[87] (WO2015/171708)
[30] US (61/991,038) 2014-05-09
[30] US (14/700,886) 2015-04-30

[11] **2,947,811**
[13] C
[51] **Int.Cl. F16L 3/137 (2006.01)**
[25] EN
[54] **A MULTI-FIT CLIP**
[54] **ATTACHE A AJUSTEMENT REGLABLE**
[72] SUMNER, MICHAEL JOHN, NZ
[72] GIURGIU, GABRIEL IOAN, NZ
[72] HAYNES, ANDREW LEO, NZ
[72] MORROW, CHRISTOPHER CHARLES, NZ
[73] LAKE PRODUCTS LIMITED, NZ
[85] 2016-11-02
[86] 2015-06-19 (PCT/IB2015/054610)
[87] (WO2015/193841)
[30] NZ (626526) 2014-06-20

[11] **2,948,086**
[13] C
[51] **Int.Cl. F27D 1/04 (2006.01) F23M 5/02 (2006.01) F27B 1/20 (2006.01) F27D 1/00 (2006.01)**
[25] EN
[54] **HEAT PROTECTION ASSEMBLY FOR A CHARGING INSTALLATION OF A METALLURGICAL REACTOR**
[54] **ENSEMBLE DE PROTECTION THERMIQUE POUR UNE INSTALLATION DE CHARGE D'UN REACTEUR METALLURGIQUE**
[72] LONARDI, EMILE, LU
[72] DEVILLET, SERGE, LU
[73] PAUL WURTH S.A., LU
[85] 2016-11-04
[86] 2015-06-04 (PCT/EP2015/062511)
[87] (WO2015/185695)
[30] LU (LU 92472) 2014-06-06

[11] **2,948,316**
[13] C
[51] **Int.Cl. C09C 1/36 (2006.01) C09C 3/06 (2006.01)**
[25] EN
[54] **COATED TITANIUM DIOXIDE DISPERSIONS**
[54] **DISPERSIONS DE DIOXYDE DE TITANE ENROBE**
[72] EDWARDS, JOHN L., GB
[72] GIBBONS, LINDA, GB
[72] BURKE, ALISON, GB
[72] BROWN, ANDREW E., GB
[72] JONES, ANTHONY G., GB
[73] HUNTSMAN P&A UK LIMITED, GB
[85] 2016-11-07
[86] 2015-05-21 (PCT/GB2015/051505)
[87] (WO2015/177563)
[30] GB (1409209.2) 2014-05-23

[11] **2,948,543**
[13] C
[51] **Int.Cl. C07D 413/12 (2006.01) A61K 31/422 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **CARBOXAMIDE DERIVATIVES**
[54] **DERIVES DE CARBOXAMIDE**
[72] D'SOUZA, ANNE-MARIE, GB
[72] AHMED, MAHBUB, GB
[72] PULZ, ROBERT ALEXANDER, CH
[72] ROONEY, LISA ANN, GB
[72] SMITH, NICHOLA, GB
[72] TROXLER, THOMAS JOSEF, CH
[72] BALA, KAMLESH JAGDIS, GB
[72] BREARLEY, ANDREW, GB
[72] DALE, JAMES, GB
[72] PORTER, DAVID, GB
[72] SANDHAM, DAVID ANDREW, GB
[72] SHAW, DUNCAN, US
[72] TAYLOR, JESSICA LOUISE, GB
[72] TAYLOR, ROGER JOHN, GB
[72] WRIGGLESWORTH, JOE, GB
[73] NOVARTIS AG, CH
[85] 2016-11-08
[86] 2015-05-14 (PCT/US2015/030817)
[87] (WO2015/175796)
[30] EP (14168303.7) 2014-05-14

[11] **2,948,628**
[13] C
[51] **Int.Cl. E21B 47/00 (2012.01) G01V 3/18 (2006.01)**
[25] EN
[54] **REAL-TIME, LIMITED ORIENTATION SENSOR AUTO-CALIBRATION**
[54] **AUTO-ETALONNAGE DE CAPTEUR A ORIENTATION LIMITEE, EN TEMPS REEL**
[72] ESTES, ROBERT A., US
[72] RIGGS, RANDY R., US
[72] HANAK, FRANCIS CHAD, US
[72] PRIEST, JOHN F., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2016-11-09
[86] 2015-05-15 (PCT/US2015/031018)
[87] (WO2015/175903)
[30] US (14/280,309) 2014-05-16

[11] **2,948,638**
[13] C
[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **METHODS OF MAKING AND USING CEMENT COATED SUBSTRATE**
[54] **PROCEDES DE FABRICATION ET D'UTILISATION DE SUBSTRAT REVETU DE CIMENT**
[72] BOER, JOCHEM OKKE, NL
[72] BRETT, PETER LIAM, US
[72] FARINAS MOYA, MAURICIO JOSE, US
[72] FONSECA OCAMPOS, ERNESTO RAFAEL, US
[72] HACKBARTH, CLAUDIA JANE, US
[72] HAMELINK, CORNELIS PIETER, NL
[72] HAVERKORT, ROBERTUS HERMANNES JOHANNES JOZEF, NL
[72] NOE, JEFFREY MALOY, US
[72] VAN DER HORST, JESPER, NL
[72] VAN DER WEGEN, GERARDUS JOHANNES LEONARDUS, NL
[72] VAN SELST, HENRICUS LAMBERTUS MARIA, NL
[72] VERBIST, GUY LODE MAGDA MARIA, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2016-11-09
[86] 2015-05-19 (PCT/US2015/031475)
[87] (WO2015/179338)
[30] US (62/001,443) 2014-05-21

[11] **2,948,866**
[13] C
[51] **Int.Cl. C06B 33/00 (2006.01) C06B 21/00 (2006.01) C06B 33/04 (2006.01)**
[25] EN
[54] **PYROTECHNICS CONTAINING OLEORESIN**
[54] **PRODUIT PYROTECHNIQUE CONTENANT DE L'OLEORESINE**
[72] HULTMAN, JOHN, US
[72] MCKEE, PATRICK, US
[73] SAFARILAND, LLC, US
[85] 2016-11-10
[86] 2015-05-14 (PCT/US2015/030780)
[87] (WO2015/175781)
[30] US (61/993,780) 2014-05-15

---

[11] **2,949,084**
[13] C
[51] **Int.Cl. C09J 9/00 (2006.01) A61F 13/02 (2006.01) A61L 15/22 (2006.01) A61L 15/58 (2006.01) C09J 133/04 (2006.01) C09J 133/26 (2006.01) C09J 151/08 (2006.01)**
[25] EN
[54] **PHOTORESPONSIVE POLYMERS FOR ADHESIVE APPLICATIONS**
[54] **POLYMERES PHOTOSENSIBLES POUR APPLICATIONS ADHESIVES**
[72] JOY, ABRAHAM, US
[72] DHINOJWALA, ALI, US
[72] MISHRA, KAUSHIK, US
[73] THE UNIVERSITY OF AKRON, US
[85] 2016-11-14
[86] 2015-05-15 (PCT/US2015/031126)
[87] (WO2015/175963)
[30] US (61/993,654) 2014-05-15

---

[11] **2,949,445**
[13] C
[51] **Int.Cl. G01M 3/28 (2006.01) F16L 45/00 (2006.01) F17D 5/02 (2006.01)**
[25] EN
[54] **PNEUMATIC PLUG FOR CLEAN-OUT TEES**
[54] **FICHE PNEUMATIQUE POUR TES DE NETTOYAGE**
[72] HULL, ERIC G., US
[72] YOUNG, DENNIS R., US
[72] LORKOWSKI, AARON, US
[72] METCALFE, PAUL R., US
[72] URBAN, SCOTT E., US
[73] OATEY CO., US
[85] 2016-11-16
[86] 2015-05-22 (PCT/US2015/032135)
[87] (WO2016/028347)
[30] US (62/001,893) 2014-05-22

---

[11] **2,949,587**
[13] C
[51] **Int.Cl. A61D 17/00 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **A BIRTHING SENSOR**
[54] **CAPTEUR DE MISE BAS**
[72] AUSTIN, NIALL, IE
[73] MOOCALL LTD, IE
[85] 2016-11-18
[86] 2015-05-29 (PCT/EP2015/062043)
[87] (WO2015/181385)
[30] GB (1409612.7) 2014-05-30

---

[11] **2,949,760**
[13] C
[51] **Int.Cl. B60T 13/66 (2006.01) B60T 8/18 (2006.01)**
[25] EN
[54] **ELECTRO-PNEUMATIC BRAKING SYSTEM FOR A RAILWAY VEHICLE**
[54] **SYSTEME DE FREINAGE ELECTROPNEUMATIQUE POUR UN VEHICULE FERROVIAIRE**
[72] CORRENDO, ROBERTO, IT
[72] TIONE, ROBERTO, IT
[73] FAIVELEY TRANSPORT ITALIA S.P.A., IT
[85] 2016-11-21
[86] 2015-05-28 (PCT/IB2015/054008)
[87] (WO2015/181764)
[30] IT (TO2014A000425) 2014-05-28

---

[11] **2,949,879**
[13] C
[51] **Int.Cl. B21C 37/28 (2006.01) B21D 41/02 (2006.01) F16L 33/20 (2006.01) F16L 33/30 (2006.01)**
[25] EN
[54] **A METHOD OF MAKING A HOSE CONNECTION FOR A HOSE**
[54] **PROCEDE DE FABRICATION D'UN RACCORD DE TUYAU FLEXIBLE POUR UN TUYAU FLEXIBLE**
[72] ZANCHI, AMBROGIO, IT
[73] BREMBOFLEX S.P.A., IT
[85] 2016-11-22
[86] 2015-05-13 (PCT/EP2015/060570)
[87] (WO2015/177015)
[30] IT (MI2014A 000945) 2014-05-22

---

[11] **2,950,234**
[13] C
[51] **Int.Cl. A61M 15/00 (2006.01) B65D 83/52 (2006.01)**
[25] EN
[54] **DRY POWDER INHALER AND INHALATION ACTUATED MECHANISM THEREOF**
[54] **INHALATEUR DE POUDRE SECHE ET MECANISME ACTIONNE PAR INHALATION CORRESPONDANT**
[72] TAMPIERI, VALERIO, IT
[72] ZUCCHERI, LORENZO, IT
[72] ILANDI, EMILIANO, IT
[72] CAMPANINI, ALICE, IT
[72] PASQUALI, IRENE, IT
[72] LINNANE, PATRICK GERARD, IT
[72] HAWSON, NICHOLAS LEE, IT
[72] GALE, DAVID, IT
[72] GARRAD, JOANNE, IT
[73] CHIESI FARMACEUTICI S.P.A., IT
[85] 2016-11-24
[86] 2015-06-19 (PCT/EP2015/063803)
[87] (WO2016/000983)
[30] EP (14175021.6) 2014-06-30

---

[11] **2,950,896**
[13] C
[51] **Int.Cl. D06F 39/10 (2006.01) D06F 39/08 (2006.01)**
[25] EN
[54] **LAUNDRY RECIRCULATION AND FILTRATION SYSTEM**
[54] **SYSTEME DE FILTRATION DE RECIRCULATION POUR LE LAVAGE DU LINGE**
[72] BUTTERWORTH, FRANK L., US
[73] BUTTERWORTH INDUSTRIES, INC., US
[85] 2016-11-30
[86] 2015-06-03 (PCT/US2015/000064)
[87] (WO2015/187203)
[30] US (61/997,518) 2014-06-03

[11] **2,950,954**
[13] C
[51] **Int.Cl. A01N 43/40 (2006.01) A01N 25/12 (2006.01) A01N 25/32 (2006.01) A01N 43/90 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **SOLID HERBICIDAL COMPOSITIONS CONTAINING A SAFENER**
[54] **COMPOSITIONS HERBICIDES SOLIDES CONTENANT UN PHYTOPROTECTEUR**
[72] HERCAMP, JOSEPH C., US
[72] LI, MEI, US
[72] SHAO, HUI, US
[72] SHEN, HAO, US
[72] ZHANG, HONG, US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2016-12-01
[86] 2015-06-09 (PCT/US2015/034784)
[87] (WO2015/191500)
[30] US (62/010,030) 2014-06-10
[30] US (62/058,488) 2014-10-01

[11] **2,951,646**
[13] C
[51] **Int.Cl. B05B 7/08 (2006.01)**
[25] EN
[54] **NOZZLE ASSEMBLY WITH EXTERNAL BAFFLES**
[54] **ENSEMBLE FORMANT BUSE AVEC CHICANES INTERNES**
[72] SCHEIBNER, JOHN B., US
[72] SILTBERG, DANIEL, US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2016-12-08
[86] 2015-06-01 (PCT/US2015/033581)
[87] (WO2015/191323)
[30] US (62/010,214) 2014-06-10

[11] **2,951,860**
[13] C
[51] **Int.Cl. C02F 5/12 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **INHIBITION OF SILICA SCALE USING AMINE-TERMINATED POLYOXYALKYLENE**
[54] **INHIBITION DU TARTRE DE SILICE AU MOYEN DE POLYOXYALKYLENE A TERMINAISON AMINE**
[72] MEHTA, SOMIL C., IN
[72] DUFOUR, ALAIN, FR
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[73] ROHM AND HAAS COMPANY, US
[85] 2016-12-09
[86] 2015-06-02 (PCT/US2015/033728)
[87] (WO2015/195319)
[30] US (62/014,261) 2014-06-19

[11] **2,951,909**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/34 (2017.01) A61M 31/00 (2006.01)**
[25] EN
[54] **SELF-ASSEMBLED RESIDENCE DEVICES AND RELATED METHODS**
[54] **DISPOSITIFS A DEMEURE AUTO-ASSEMBLES, ET PROCEDES ASSOCIES**
[72] BELLINGER, ANDREW, US
[72] ZHANG, SHIYI, US
[72] TRAVERSO, CARLO GIOVANNI, CA
[72] LANGER, ROBERT S., US
[72] MO, STACY, US
[72] LIN, JIAQI, US
[72] DICICCIO, ANGELA, US
[72] GLETTIG, DEAN LIANG, US
[72] WOOD, LOWELL L. JR., US
[72] ECKHOFF, PHILIP A., US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[73] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2016-12-09
[86] 2015-06-11 (PCT/US2015/035429)
[87] (WO2015/191925)
[30] US (62/010,992) 2014-06-11

[11] **2,951,928**
[13] C
[51] **Int.Cl. C07C 67/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING LOW VOC GLYCOL ETHER ESTERS**
[54] **PROCEDE DE FABRICATION D'ESTERS D'ETHER GLYCOLIQUE A FAIBLE TENEUR EN COMPOSES ORGANIQUES VOLATILS**
[72] FRYCEK, GEORGE J., US
[72] DONATE, FELIPE A., US
[72] DAUGS, EDWARD D., US
[72] WACHOWICZ, REBECCA J., US
[72] TRUMBLE, JASON L., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2016-12-09
[86] 2015-06-18 (PCT/US2015/036387)
[87] (WO2015/200087)
[30] US (62/016,301) 2014-06-24

[11] **2,951,930**
[13] C
[51] **Int.Cl. C07C 67/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING LOW VOC COALESCING AIDS**
[54] **PROCEDE DE PRODUCTION D'AGENTS DE COALESCENCE A FAIBLE TENEUR EN COV**
[72] FRYCEK, GEORGE J., US
[72] MERENOV, ANDREI S., US
[72] DONATE, FELIPE A., US
[72] DAUGS, EDWARD D., US
[72] MAURER, JULIE L., US
[72] WACHOWICZ, REBECCA J., US
[72] TRUMBLE, JASON L., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2016-12-09
[86] 2015-06-18 (PCT/US2015/036388)
[87] (WO2015/200088)
[30] US (62/016,311) 2014-06-24

[11] **2,952,094**
[13] C
[51] **Int.Cl. G05D 1/10 (2006.01)**
[25] FR
[54] **METHOD AND DEVICE FOR GENERATING A SET FLIGHT PATH RESULTING FROM AN AIRCRAFT, AND RELATED COMPUTER PROGRAMME PRODUCT AND AIRCRAFT**
[54] **PROCEDE ET DISPOSITIF DE GENERATION D'UNE TRAJECTOIRE DE CONSIGNE RESULTANTE D'UN AERONEF, PRODUIT PROGRAMME D'ORDINATEUR ET AERONEF ASSOCIES**
[72] LISSAJOUX, SYLVAIN, FR
[72] GUILLOUET, ERIC, FR
[72] GARNAVAULT, CHRISTOPHE, FR
[72] BOSSON, JOEL, FR
[73] THALES, FR
[85] 2016-12-13
[86] 2015-06-05 (PCT/EP2015/062575)
[87] (WO2015/193125)
[30] FR (14 01360) 2014-06-16

[11] **2,952,338**
[13] C
[51] **Int.Cl. H01M 8/1246 (2016.01) H01M 8/2425 (2016.01)**
[25] EN
[54] **PROCESS TO CONTROL ANODE SUPPORT CREEP FOR CONTROLLING THERMO-MECHANICAL STRESS IN SOLID OXIDE CELL STACKS**
[54] **PROCEDE DE CONTROLE DU FLUAGE DE SUPPORT D'ANODE POUR CONTROLER LA CONTRAINTE THERMOMECANIQUE DANS LES EMPILEMENTS DE CELLULES D'OXYDE SOLIDES**
[72] HEIREDAL-CLAUSEN, THOMAS, DK
[72] LUND FRANDSEN, HENRIK, DK
[72] PETERSEN, THOMAS KARL, DK
[72] MADSEN, MADS FIND, DK
[73] HALDOR TOPSOE A/S, DK
[85] 2016-12-14
[86] 2015-06-25 (PCT/EP2015/064392)
[87] (WO2015/197767)
[30] EP (14174663.6) 2014-06-27

[11] **2,952,755**
[13] C
[51] **Int.Cl. F02C 7/36 (2006.01) F01D 5/02 (2006.01) F01D 5/06 (2006.01)**
[25] FR
[54] **TURBOMACHINE SHAFT**
[54] **ARBRE DE TURBOMACHINE**
[72] ITO-LARDEAU, YOUKI OLIVIER, FR
[72] BAUDUIN, PIERRICK RAPHAEL AMERICO, FR
[72] BLANCHARD, STEPHANE PIERRE GUILLAUME, FR
[72] PELLATON, BERTRAND GUILLAUME ROBIN, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-12-16
[86] 2015-08-28 (PCT/FR2015/052284)
[87] (WO2016/034796)
[30] FR (1458315) 2014-09-05

[11] **2,953,116**
[13] C
[51] **Int.Cl. C08L 23/06 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **POLYOLEFIN COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DE POLYOLEFINES ET LEURS UTILISATIONS**
[72] KABABIK, DAVID W., US
[72] PLETCHER, KATHLEEN E., US
[72] WANG, JIAN, US
[72] BRODIL, JASON C., US
[72] TAMBLING, TROY M., US
[72] REIB, ROBERT N., US
[72] KAPUR, MRIDULA, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2016-12-20
[86] 2015-06-23 (PCT/US2015/037134)
[87] (WO2015/200294)
[30] US (14/316,877) 2014-06-27

[11] **2,953,279**
[13] C
[51] **Int.Cl. C04B 7/17 (2006.01)**
[25] EN
[54] **CEMENT COMPOUND AND A METHOD FOR THE PRODUCTION THEREOF**
[54] **COMPOSE DE CIMENT ET SON PROCEDE POUR LA PRODUCTION**
[72] BUCHWALD, ANJA, NL
[72] WIERCX, JOHANNES ALBERTUS LOUIS MARIE, NL
[72] VAN MELICK, BART JOHANNES WILHELMUS MARIA, NL
[73] ASCEM B.V., NL
[85] 2016-12-02
[86] 2015-06-05 (PCT/NL2015/050410)
[87] (WO2015/187022)
[30] NL (2012959) 2014-06-06

[11] **2,953,666**
[13] C
[51] **Int.Cl. G01N 35/10 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/00 (2006.01) C12Q 1/70 (2006.01) G01N 33/543 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **SUBSTANCE SEALING METHOD AND TARGET MOLECULE DETECTING METHOD**
[54] **PROCEDE DE SCELLEMENT HERMETIQUE DE SUBSTANCE ET PROCEDE DE DETECTION DE MOLECULE CIBLE**
[72] NOJI, HIROYUKI, JP
[72] YAMAUCHI, LISA, JP
[73] JAPAN SCIENCE AND TECHNOLOGY AGENCY, JP
[85] 2016-12-23
[86] 2015-07-01 (PCT/JP2015/003310)
[87] (WO2016/006208)
[30] JP (2014-140700) 2014-07-08

[11] **2,953,946**
[13] C
[51] **Int.Cl. A01N 57/20 (2006.01) A01N 25/30 (2006.01) A01N 25/32 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL COMPOSITIONS WITH REDUCED AQUATIC TOXICITY**
[54] **COMPOSITIONS AGRICOLES PRESENTANT UNE TOXICITE AQUATIQUE REDUITE**
[72] ALLEN, DAVE R., US
[72] MALEC, ANDREW D., US
[73] STEPAN COMPANY, US
[85] 2016-12-29
[86] 2015-06-09 (PCT/US2015/034785)
[87] (WO2016/003607)
[30] US (62/020,331) 2014-07-02

[11] **2,954,158**
[13] C
[51] **Int.Cl. A61G 5/14 (2006.01) A61G 7/053 (2006.01) A61H 3/00 (2006.01)**
[25] EN
[54] **ASSISTIVE DEVICE, AND METHOD OF USE**
[54] **DISPOSITIF D'ASSISTANCE, ET PROCEDE D'UTILISATION**
[72] AFSHANI, SINA, CA
[73] BLUE ORCHID CARE INC., CA
[85] 2016-11-07
[86] 2015-05-07 (PCT/CA2015/000298)
[87] (WO2015/168775)
[30] US (61/989,683) 2014-05-07

[11] **2,954,187**
[13] C
[51] **Int.Cl. C07D 498/02 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **MACROCYCLIC KINASE INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE KINASE MACROCYCLIQUES ET LEURS UTILISATIONS**
[72] GRAY, NATHANAEL, US
[72] CHOI, HWAN, GEUN, US
[72] LIANG, YANKE, US
[73] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2017-01-03
[86] 2015-07-21 (PCT/US2015/041360)
[87] (WO2016/014551)
[30] US (62/027,099) 2014-07-21

[11] **2,954,256**
[13] C
[51] **Int.Cl. G06F 30/15 (2020.01) G06F 30/00 (2020.01) G06F 30/23 (2020.01) F01D 5/14 (2006.01) F01D 5/20 (2006.01)**
[25] FR
[54] **METHOD FOR MODELLING A BATHTUB OF A BLADE**
[54] **PROCEDE DE MODELISATION D'UNE BAIGNOIRE D'UNE AUBE**
[72] OLIVE, REMI PHILIPPE OSWALD, FR
[72] LAVAGNOLI, SERGIO, BE
[72] DE MAESSCHALCK, CIS GUY MONIQUE, BE
[72] PANIAGUA, GUILLERMO, BE
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-01-04
[86] 2015-07-10 (PCT/FR2015/051918)
[87] (WO2016/005708)
[30] FR (1456680) 2014-07-10

[11] **2,954,395**
[13] C
[51] **Int.Cl. C07F 9/6561 (2006.01) A61K 31/675 (2006.01) A61P 31/18 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **NEW POLYCRYSTALLINE FORM OF TENOFOVIR PRODRUG, AND PREPARATION METHOD AND APPLICATION THEREFOR**
[54] **NOUVELLE FORME POLYCRISTALLINE D'UN PROMEDICAMENT DU TENOFOVIR, SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] CHEN, MING, CN
[72] TIAN, CHENGYAO, CN
[72] ZHAO, MINGLI, CN
[72] YU, JUN, CN
[72] YANG, BAOHAI, CN
[72] LU, AIFENG, CN
[73] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2017-01-05
[86] 2015-07-21 (PCT/CN2015/084671)
[87] (WO2016/011932)
[30] CN (201410349141.4) 2014-07-21

[11] **2,954,671**
[13] C
[51] **Int.Cl. B64C 1/22 (2006.01) B64C 27/04 (2006.01) B66D 1/60 (2006.01)**
[25] EN
[54] **HELICOPTER HOIST SYSTEMS, DEVICES, AND METHODOLOGIES**
[54] **SYSTEMES DE TREUIL D'HELICOPTERE, DISPOSITIFS ET PROCEDES**
[72] PEDERSEN, BRAD, US
[72] REPP, BRAD, US
[72] DIZE, CHAD, US
[72] JOHNSON, EZRA, US
[73] BREEZE-EASTERN LLC, US
[85] 2017-01-06
[86] 2015-07-09 (PCT/US2015/039825)
[87] (WO2016/007796)
[30] US (62/023,142) 2014-07-10
[30] US (62/121,263) 2015-02-26
[30] US (14/795,843) 2015-07-09

[11] **2,954,812**
[13] C
[51] **Int.Cl. G01M 99/00 (2011.01)**
[25] FR
[54] **METHOD FOR DETECTING ANOMALIES IN A DISTRIBUTION NETWORK, IN PARTICULAR FOR DRINKING WATER**
[54] **PROCEDE POUR DETECTER DES ANOMALIES DANS UN RESEAU DE DISTRIBUTION, EN PARTICULIER D'EAU POTABLE**
[72] CAMPAN, FRANCIS, FR
[72] DEMBELE, ABEL, FR
[72] CUSSONNEAU, GUILLAUME, FR
[73] SUEZ GROUPE, FR
[85] 2017-01-10
[86] 2015-07-23 (PCT/IB2015/055583)
[87] (WO2016/012972)
[30] FR (14 57209) 2014-07-25

[11] **2,955,066**
[13] C
[51] **Int.Cl. G06F 21/53 (2013.01) G06F 21/55 (2013.01) G06F 21/60 (2013.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING A VIRTUAL ASSET PERIMETER**
[54] **PROCEDE ET SYSTEME POUR FOURNIR UN PERIMETRE D'ACTIF VIRTUEL**
[72] LIETZ, M. SHANNON, US
[72] CABRERA, LUIS FELIPE, US
[73] INTUIT INC., US
[85] 2017-01-12
[86] 2015-07-28 (PCT/US2015/042343)
[87] (WO2016/018842)
[30] US (14/448,281) 2014-07-31

---

[11] **2,955,341**
[13] C
[51] **Int.Cl. A21D 2/16 (2006.01) A21D 8/02 (2006.01) A21D 10/00 (2006.01)**
[25] EN
[54] **USE OF A FAT PARTICLES IN THE PREPARATION OF FARINACEOUS PRODUCTS**
[54] **UTILISATION DE PARTICULES GRASSES DANS LA PREPARATION DE PRODUITS FARINEUX**
[72] HELD, WOLGANG, DE
[72] HOFLAND, GERARD WILLEM, NL
[72] MOONEN, JOHANNES HUBERTUS ELISE, NL
[72] STOLK, MAARTEN, NL
[73] BAKERY SUPPLIES EUROPE HOLDING B.V., NL
[85] 2017-01-16
[86] 2015-07-08 (PCT/NL2015/050498)
[87] (WO2016/010421)
[30] EP (14177511.4) 2014-07-17

---

[11] **2,955,659**
[13] C
[51] **Int.Cl. B64C 1/14 (2006.01) B64F 5/10 (2017.01) B64C 1/06 (2006.01) B64C 1/08 (2006.01)**
[25] FR
[54] **LINTEL STRUCTURE FOR AIRCRAFT FUSELAGE AND FUSELAGE COMPRISING SUCH A LINTEL**
[54] **STRUCTURE DE LINTEAU POUR FUSELAGE D'AERONEF ET FUSELAGE COMPORTANT UN TEL LINTEAU**
[72] DUCOURNAU, HERVE, FR
[72] PRUDENT, ALAIN, FR
[72] GAUCHET, FLORIAN, FR
[73] AIRBUS ATLANTIC SAS, FR
[85] 2017-01-18
[86] 2015-07-17 (PCT/EP2015/066485)
[87] (WO2016/009075)
[30] FR (1456975) 2014-07-18

---

[11] **2,955,800**
[13] C
[51] **Int.Cl. H04L 5/02 (2006.01) H04L 5/14 (2006.01) H04B 7/04 (2017.01)**
[25] EN
[54] **METHODS OF OPERATING AND IMPLEMENTING WIRELESS OTFS COMMUNCIATIONS SYSTEMS**
[54] **PROCEDES DE FONCTIONNEMENT ET DE MISE EN OEUVRE DE SYSTEMES DE COMMUNCIATIONS OTFS SANS FIL**
[72] RAKIB, SHLOMO SELIM, US
[72] HADANI, RONNY, US
[73] COHERE TECHNOLOGIES, INC., US
[85] 2017-01-19
[86] 2015-07-21 (PCT/US2015/041417)
[87] (WO2016/014596)
[30] US (62/027,231) 2014-07-21
[30] US (14/583,911) 2014-12-29

---

[11] **2,955,845**
[13] C
[51] **Int.Cl. A23L 27/30 (2016.01) A23L 29/00 (2016.01) A23P 10/20 (2016.01) A61K 9/20 (2006.01) A61K 31/7004 (2006.01) C07H 3/02 (2006.01)**
[25] EN
[54] **SUGAR COMPOSITIONS FOR TABLETING BY DIRECT COMPRESSION**
[54] **COMPOSITIONS DE SUCRE POUR LA FABRICATION DE COMPRIMES PAR COMPRESSION DIRECTE**
[72] BOIT, BAPTISTE, FR
[72] LANOS, PIERRE, FR
[72] BUQUET, FABRICE, FR
[73] ROQUETTE FRERES, FR
[85] 2017-01-19
[86] 2015-07-16 (PCT/IB2015/001302)
[87] (WO2016/012853)
[30] EP (14306181.0) 2014-07-21

---

[11] **2,955,933**
[13] C
[51] **Int.Cl. B41F 33/00 (2006.01) B41F 13/187 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING OVERPRINT ORIENTATION**
[54] **SYSTEMES ET PROCEDES POUR SURVEILLER L'ORIENTATION DE SURIMPRESSION**
[72] STEWART, NOEL, US
[73] THE COCA-COLA COMPANY, US
[85] 2017-01-20
[86] 2015-07-21 (PCT/US2015/041269)
[87] (WO2016/014481)
[30] US (62/027,279) 2014-07-22
[30] US (62/073,125) 2014-10-31

[11] **2,956,222**
[13] C
[51] **Int.Cl. E03B 3/15 (2006.01) E03B 11/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EFFECTIVE USE OF A LOW-YIELD WELL**
[54] **SYSTEME ET PROCEDE PERMETTANT UNE UTILISATION EFFICACE D'UN PUITS A FAIBLE RENDEMENT**
[72] EPP, KEVIN, US
[73] EPP, KEVIN, US
[85] 2017-01-24
[86] 2015-07-27 (PCT/US2015/042294)
[87] (WO2016/018824)
[30] US (62/029,692) 2014-07-28

---

[11] **2,957,247**
[13] C
[51] **Int.Cl. D03D 15/275 (2021.01)**
[25] EN
[54] **HYBRID WOVEN TEXTILE FOR COMPOSITE REINFORCEMENT**
[54] **TEXTILE TISSE HYBRIDE POUR RENFORT COMPOSITE**
[72] BLACKBURN, ROBERT, GB
[72] HILL, SAMUEL JESTYN, GB
[73] CYTEC INDUSTRIES INC., US
[85] 2017-02-02
[86] 2015-08-11 (PCT/US2015/044564)
[87] (WO2016/025427)
[30] GB (1414363.0) 2014-08-13

---

[11] **2,957,414**
[13] C
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **LATERAL FLOW ASSAY DEVICE**
[54] **DISPOSITIF D'ANALYSE A ECOULEMENT LATERAL**
[72] DING, ZHONG, US
[72] HOSIMER, PHILIP C., US
[72] SCALICE, EDWARD R., US
[72] SALOTTO, DANIEL P., US
[72] HEAVNER, DAVID A., US
[73] ORTHO-CLINICAL DIAGNOSTICS, INC., US
[85] 2017-02-06
[86] 2015-08-07 (PCT/US2015/044123)
[87] (WO2016/022872)
[30] US (62/035,083) 2014-08-08
[30] US (14/819,893) 2015-08-06

---

[11] **2,957,443**
[13] C
[51] **Int.Cl. B01D 63/16 (2006.01) B01D 61/00 (2006.01) B01D 63/08 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **CROSS FLOW DYNAMIC MEMBRANE FILTER AND DISC MEMBRANE ASSEMBLY THEREOF**
[54] **FILTRE MEMBRANE DYNAMIQUE D'ECOULEMENT TRANSVERSAL ET ENSEMBLE DE DISQUES DE MEMBRANE CONNEXE**
[72] DAVIE, RICHARD, US
[72] HWANG, INGCHEN DOUGLAS, US
[72] ZATOPEK, LUDEK, US
[72] VOKURKA, KAREL, CZ
[73] PRO-EQUIPMENT, INC., US
[85] 2017-02-06
[86] 2015-12-18 (PCT/US2015/066717)
[87] (WO2016/106130)
[30] US (62/095,356) 2014-12-22

---

[11] **2,957,893**
[13] C
[51] **Int.Cl. H04W 24/10 (2009.01) H04W 16/14 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **IMPROVED CHANNEL STATE INFORMATION REPORTING ON LICENSED AND UNLICENSED CARRIERS**
[54] **COMPTES RENDUS AMELIORES D'INFORMATIONS D'ETAT DE CANAL SUR PORTEUSES AVEC ET SANS LICENCES**
[72] GOLITSCHEK EDLER VON ELBWART, ALEXANDER, DE
[72] EINHAUS, MICHAEL, DE
[72] FENG, SUJUAN, DE
[72] SUZUKI, HIDETOSHI, JP
[73] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2017-02-10
[86] 2015-07-29 (PCT/JP2015/003805)
[87] (WO2016/079905)
[30] EP (14003910.8) 2014-11-20

---

[11] **2,957,908**
[13] C
[51] **Int.Cl. A61B 18/18 (2006.01) A61B 18/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USING A DIGITAL CONTROLLER TO ADJUST ONE OR MORE OPERATIONS OF A MICROWAVE GENERATOR**
[54] **SYSTEMES ET PROCEDES D'UTILISATION D'UN DISPOSITIF DE COMMANDE NUMERIQUE POUR AJUSTER UNE OU PLUSIEURS OPERATIONS D'UN GENERATEUR DE MICRO-ONDES**
[72] BRANNAN, JOSEPH D., US
[73] COVIDIEN LP, US
[85] 2017-02-10
[86] 2015-07-28 (PCT/US2015/042446)
[87] (WO2016/032666)
[30] US (62/041,402) 2014-08-25

---

[11] **2,958,639**
[13] C
[51] **Int.Cl. A01C 7/06 (2006.01) A01B 49/04 (2006.01) A01C 5/06 (2006.01) A01C 5/08 (2006.01)**
[25] EN
[54] **DOUBLE-SHOOT DISC DRILL USING TWO DISTINCT STAGGERED ROW UNITS**
[54] **INSTRUMENT DE CREUSAGE DE DOUBLE SILLON EMPLOYANT DEUX RAYONNEURS DECALES DISTINCTS**
[72] ROBERGE, MARTIN J., CA
[72] GERVAIS, JOEL JOHN OCTAVE, CA
[72] CLOUTIER BOILY, GUILLAUME, CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (2958639)
[87] (2958639)
[22] 2017-02-22
[30] US (15/148,838) 2016-05-06

[11] **2,958,691**
[13] C
[51] **Int.Cl. C01B 21/38 (2006.01)**
[25] EN
[54] **DUAL GRID CATALYST BASKET AND METHOD OF INDEPENDENTLY SUPPORTING PRIMARY AND SECONDARY CATALYSTS**
[54] **PANIER DE CATALYSEUR A DEUX GRILLES ET PROCEDE DE SUPPORT INDEPENDANT DE CATALYSEURS PRIMAIRE ET SECONDAIRE**
[72] ALLEN, F. BURKE, US
[73] THE ALLOY ENGINEERING COMPANY, US
[85] 2017-02-20
[86] 2015-08-17 (PCT/US2015/045544)
[87] (WO2016/028698)
[30] US (62/039,278) 2014-08-19

[11] **2,958,747**
[13] C
[51] **Int.Cl. A61L 17/10 (2006.01) A61L 17/06 (2006.01) A61L 17/12 (2006.01) A61L 17/14 (2006.01) A61L 31/00 (2006.01)**
[25] EN
[54] **SELF-RETAINING SUTURES OF POLY-4-HYDROXYBUTYRATE AND COPOLYMERS THEREOF**
[54] **SUTURES AUTO-RETENTIVE DE POLY-4-HYDROXYBUTYRATE ET DE COPOLYMERES DE CELUI-CI**
[72] RIZK, SAID, US
[72] WILLIAMS, SIMON F., US
[73] TEPHA, INC., US
[85] 2017-02-13
[86] 2015-08-07 (PCT/US2015/044280)
[87] (WO2016/025329)
[30] US (62/037,812) 2014-08-15

[11] **2,959,216**
[13] C
[51] **Int.Cl. C22C 21/00 (2006.01) C22F 1/05 (2006.01)**
[25] EN
[54] **HIGH STRENGTH PRODUCTS EXTRUDED FROM 6XXX ALUMINIUM ALLOYS HAVING EXCELLENT CRASH PERFORMANCE**
[54] **PRODUITS A RESISTANCE ELEVEE EXTRUDES A PARTIR D'ALLIAGES D'ALUMINIUM 6XXX AYANT UNE EXCELLENTE RESISTANCE A L'ECRASEMENT**
[72] SKUBICH, ALEXIS, CH
[72] JARRETT, MARTIN, GB
[73] CONSTELLIUM VALAIS SA (LTD), CH
[73] CONSTELLIUM SINGEN GMBH, DE
[85] 2017-02-24
[86] 2015-09-02 (PCT/EP2015/070000)
[87] (WO2016/034607)
[30] EP (14003062.8) 2014-09-05

[11] **2,959,263**
[13] C
[51] **Int.Cl. B32B 13/00 (2006.01) C04B 11/00 (2006.01) C04B 28/14 (2006.01)**
[25] EN
[54] **LIGHTWEIGHT, REDUCED DENSITY FIRE RATED GYPSUM PANELS**
[54] **PLAQUES DE PLATRE RESISTANTES AU FEU LEGERES ET DE DENSITE REDUITE**
[72] YU, QIANG, US
[72] LUAN, WENQI, US
[72] SONG, WEIXIN D., US
[72] VEERAMASUNENI, SRINIVAS, US
[72] LI, ALFRED, US
[73] UNITED STATES GYPSUM COMPANY, US
[86] (2959263)
[87] (2959263)
[22] 2012-02-24
[62] 2,828,308
[30] US (61/446,941) 2011-02-25

[11] **2,959,384**
[13] C
[51] **Int.Cl. D21C 3/20 (2006.01) D01C 1/00 (2006.01) D21C 9/02 (2006.01)**
[25] EN
[54] **COMPREHENSIVE PROCESS FOR SELECTIVELY SEPARATING LIGNOCELLULOSIC BIOMASS INTO PURIFIED COMPONENTS WITH HIGH YIELD**
[54] **PROCEDE COMPLET POUR SELECTIVEMENT SEPARER UNE BIOMASSE LIGNOCELLULOSIQUE EN CONSTITUANTS PURIFIES A UN RENDEMENT ELEVE**
[72] BOZELL, JOSEPH, US
[72] HARPER, DAVID, US
[72] LABBE, NICOLE, US
[72] HOSSEINAEI, OMID, US
[72] RIALS, TIMOTHY, US
[73] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
[85] 2017-02-24
[86] 2015-08-28 (PCT/US2015/047423)
[87] (WO2016/033456)
[30] US (62/043,602) 2014-08-29

[11] **2,959,479**
[13] C
[51] **Int.Cl. C08L 53/02 (2006.01) C08J 3/24 (2006.01) C08K 5/01 (2006.01) C08K 5/103 (2006.01) C08K 5/14 (2006.01) C08L 23/00 (2006.01)**
[25] EN
[54] **THERMOPLASTIC ELASTOMER COMPOSITION AND MOLDED ARTICLE**
[54] **COMPOSITION D'ELASTOMERE THERMOPLASTIQUE, ET ARTICLE MOULE**
[72] JOGO, YOSUKE, JP
[72] IKUJI, MASAKI, JP
[73] KURARAY CO., LTD., JP
[85] 2017-02-27
[86] 2015-08-28 (PCT/JP2015/074545)
[87] (WO2016/031991)
[30] JP (2014-175794) 2014-08-29

[11] **2,959,778**
[13] C
[51] **Int.Cl. A01K 61/00 (2017.01)**
[25] EN
[54] **MODULAR BUOYANCY SYSTEM AND FLOTATION ELEMENT FOR NET CAGE**
[54] **SYSTEME DE FLOTTABILITE MODULAIRE ET ELEMENT DE FLOTTATION POUR CAGE A FILET**
[72] NASS, ANDERS, NO
[73] AKVAFUTURE AS, NO
[85] 2017-03-02
[86] 2015-09-08 (PCT/NO2015/050157)
[87] (WO2016/039632)
[30] NO (20141089) 2014-09-08

[11] **2,959,943**
[13] C
[51] **Int.Cl. A61K 9/72 (2006.01) A61K 9/12 (2006.01) A61K 31/519 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **LIQUID INHALATION FORMULATION COMPRISING RPL554**
[54] **FORMULATION LIQUIDE POUR INHALATION COMPRENANT DU RPL554**
[72] SPARGO, PETER LIONEL, GB
[72] FRENCH, EDWARD JAMES, GB
[72] HAYWOOD, PHILLIP A., GB
[73] VERONA PHARMA PLC, GB
[85] 2017-03-01
[86] 2015-09-15 (PCT/GB2015/052668)
[87] (WO2016/042313)
[30] GB (1416274.7) 2014-09-15
[30] GB (1504662.6) 2015-03-19

[11] **2,960,035**
[13] C
[51] **Int.Cl. G01N 33/22 (2006.01) G01N 7/10 (2006.01) G01N 11/04 (2006.01)**
[25] EN
[54] **GAS SENSOR FOR MEASURING PROPERTIES OF A GAS INCLUDING VISCOSITY**
[54] **DETECTEUR DE GAZ POUR MESURER LES CARACTERISTIQUES D'UN GAZ, DONT LA VISCOSITE**
[72] SLATER, CONOR, CH
[72] FARINE, GAEL, CH
[73] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH
[85] 2017-03-02
[86] 2015-09-01 (PCT/EP2015/069897)
[87] (WO2016/034558)
[30] EP (14183247.7) 2014-09-02

[11] **2,960,064**
[13] C
[51] **Int.Cl. E21C 27/24 (2006.01) E21D 9/10 (2006.01)**
[25] EN
[54] **CUTTING APPARATUS**
[54] **APPAREIL DE COUPE**
[72] BRANDL, ERICH, AT
[72] EBNER, BERNHARD, SE
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2017-03-03
[86] 2014-10-06 (PCT/EP2014/071334)
[87] (WO2016/055087)

[11] **2,960,321**
[13] C
[51] **Int.Cl. C22F 1/05 (2006.01) C21D 1/26 (2006.01) C21D 9/46 (2006.01)**
[25] EN
[54] **METHOD OF ANNEALING ALUMINIUM ALLOY SHEET MATERIAL**
[54] **PROCEDE DE RECUIT DE MATERIAU DE FEUILLE D'ALLIAGE D'ALUMINIUM**
[72] MEYER, PHILIPPE, DE
[72] EBZEEVA, SVETLANA EMIROVNA, BE
[72] ARRAS, JOHAN PETRUS MARIETTE GUIDO, BE
[72] VAN NIEUWERBURGH, DIRK MEDARD GERARD FLORENT, BE
[72] BACKX, PETRA, BE
[73] ALERIS ALUMINUM DUFFEL BVBA, BE
[85] 2017-03-06
[86] 2015-09-03 (PCT/EP2015/070123)
[87] (WO2016/037922)
[30] EP (14184553.7) 2014-09-12

[11] **2,960,409**
[13] C
[51] **Int.Cl. G05D 7/06 (2006.01) G05D 16/00 (2006.01)**
[25] EN
[54] **WATER MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE GESTION DE L'EAU**
[72] CUMMINGS, STEVE, AU
[72] FRITZSCHE, MICHAEL, DE
[72] EBERT, MARK, DE
[73] CAROMA INDUSTRIES LIMITED, AU
[73] MICAS AG, DE
[85] 2017-03-07
[86] 2015-09-17 (PCT/AU2015/000571)
[87] (WO2016/040989)
[30] AU (2014903727) 2014-09-18

[11] **2,961,910**
[13] C
[51] **Int.Cl. B32B 5/28 (2006.01) B32B 33/00 (2006.01) B32B 37/15 (2006.01) C08J 5/24 (2006.01)**
[25] EN
[54] **COMPOSITE MATERIALS WITH HIGH Z-DIRECTION ELECTRICAL CONDUCTIVITY**
[54] **MATERIAUX COMPOSITES A HAUTE CONDUCTIVITE ELECTRIQUE DANS LA DIRECTION Z**
[72] RESTUCCIA, CARMELO LUCA, GB
[72] LENZI, FIORENZO, IT
[72] BONNEAU, MARK, US
[72] VILLEGAS, JOSANLET, US
[72] FRULLONI, EMILIANO, GB
[73] CYTEC INDUSTRIES INC., US
[85] 2017-03-20
[86] 2015-09-21 (PCT/US2015/051202)
[87] (WO2016/048885)
[30] US (62/053,469) 2014-09-22

---

[11] **2,962,024**
[13] C
[51] **Int.Cl. E21B 43/22 (2006.01) C09K 8/592 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **THERMALLY UNSTABLE AMMONIUM CARBOXYLATES FOR ENHANCED OIL RECOVERY**
[54] **CARBOXYLATES D'AMMONIUM THERMIQUEMENT INSTABLES POUR UNE RECUPERATION AMELIOREE DU PETROLE**
[72] WILLIAMSON, ALEXANDER, US
[72] YOUNG, TIMOTHY J., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-03-17
[86] 2015-09-08 (PCT/US2015/048787)
[87] (WO2016/048637)
[30] US (62/053,446) 2014-09-22

---

[11] **2,964,049**
[13] C
[51] **Int.Cl. A61F 11/14 (2006.01) H04R 1/10 (2006.01)**
[25] EN
[54] **AN EAR CUP FOR A HEARING PROTECTOR**
[54] **OREILLETTE POUR PROTECTION AUDITIVE**
[72] ROSTI, JANNE, FI
[72] RIIKONEN, VILLE, FI
[73] SAVOX COMMUNICATIONS OY AB (LTD), FI
[85] 2017-04-07
[86] 2015-10-01 (PCT/FI2015/050649)
[87] (WO2016/055693)
[30] FI (20145881) 2014-10-07

---

[11] **2,964,232**
[13] C
[51] **Int.Cl. F02M 25/12 (2006.01)**
[25] EN
[54] **METHOD TO INCREASE THE EFFICIENCY OF COMBUSTION ENGINES**
[54] **PROCEDE D'AUGMENTATION DE L'EFFICACITE DE MOTEURS A COMBUSTION**
[72] DE MENESES MOUTINHO E HENRIQUES GONCALO, PAULO EDUARDO, PT
[72] QUINTAO DUARTE SILVA, FRANCISCO DIOGO, PT
[72] ADAIR, CHRISTOPHER, IE
[73] ULTIMATE CELL, LDA., PT
[85] 2017-04-10
[86] 2015-08-31 (PCT/PT2015/000043)
[87] (WO2016/064289)
[30] PT (107973) 2014-10-20

---

[11] **2,964,372**
[13] C
[51] **Int.Cl. E05B 17/00 (2006.01) E05B 17/22 (2006.01) E05B 39/00 (2006.01) E05B 41/00 (2006.01) E05B 45/12 (2006.01)**
[25] EN
[54] **LATCH BOLT MONITOR USING A REED SWITCH**
[54] **DISPOSITIF DE SURVEILLANCE DE PENE DEMI-TOUR UTILISANT UN COMMUTATEUR A LAMES**
[72] SCHILDWACHTER, WILLIAM, US
[72] ORBETA, FERDINAND E., US
[73] SCHILDWACHTER, WILLIAM, US
[73] ORBETA, FERDINAND E., US
[73] TRINE ACCESS TECHNOLOGY, INC., US
[85] 2017-04-11
[86] 2015-10-20 (PCT/US2015/056381)
[87] (WO2016/064816)
[30] US (62/067,521) 2014-10-23

---

[11] **2,965,506**
[13] C
[51] **Int.Cl. C08L 75/04 (2006.01) C08J 3/18 (2006.01) C08J 9/04 (2006.01) C08K 5/521 (2006.01) C09K 21/14 (2006.01)**
[25] EN
[54] **B2 RATED ONE COMPONENT SPRAY POLYURETHANE FOAM FORMULATION FOR FENESTRATION OPENINGS**
[54] **COMPOSITION DE MOUSSE DE POLYURETHANE MONOCOMPOSANT A PULVERISER CLASSEE B2 POUR OUVERTURES ET FENETRES**
[72] CRAIN, STEVEN P., US
[72] MASSUEGER, LARS, CH
[72] BOEHM, CAROLIN, DE
[73] DDP SPECIALTY ELECTRONIC MATERIALS US, LLC, US
[85] 2017-04-21
[86] 2015-10-22 (PCT/US2015/056795)
[87] (WO2016/069356)
[30] US (62/072,474) 2014-10-30

[11] **2,966,239**
[13] C
[51] **Int.Cl. B29C 33/30 (2006.01) B29C 33/00 (2006.01) B29C 70/44 (2006.01) B29C 70/54 (2006.01)**
[25] EN
[54] **A SHEAR WEB MOULD SYSTEM COMPRISING VARIABLE MOULDING PLATES**
[54] **SYSTEME DE MOULE POUR AME DE CISAILLEMENT COMPORTANT DES PLAQUES DE MOULAGE VARIABLES**
[72] PEDERSEN, STEVEN HAUGE, DK
[72] RASMUSSEN, KIM ANSHOLM, DK
[73] LM WP PATENT HOLDING A/S, DK
[85] 2017-04-28
[86] 2014-10-30 (PCT/EP2014/073382)
[87] (WO2016/066207)

[11] **2,966,496**
[13] C
[51] **Int.Cl. C08J 5/12 (2006.01) C08J 5/24 (2006.01) C08G 59/40 (2006.01)**
[25] EN
[54] **BONDING OF COMPOSITE MATERIALS**
[54] **LIAISON DE MATERIAUX COMPOSITES**
[72] MACADAMS, LEONARD, US
[72] KOHLI, DALIP, US
[73] CYTEC INDUSTRIES INC., US
[85] 2017-05-01
[86] 2015-10-21 (PCT/US2015/056551)
[87] (WO2016/073192)
[30] US (62/074,266) 2014-11-03

[11] **2,967,094**
[13] C
[51] **Int.Cl. A61K 35/14 (2015.01) A61M 1/36 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING CYTOKINES FROM BLOOD WITH SURFACE IMMOBILIZED POLYSACCHARIDES**
[54] **PROCEDE D'ELIMINATION DE CYTOKINES DU SANG PAR DES POLYSACCHARIDES IMMOBILISES EN SURFACE**
[72] WARD, ROBERT S., US
[72] MCCREA, KEITH R., US
[72] LARM, OLLE, SE
[72] ADOLFSSON, LARS, SE
[73] EXTHERA MEDICAL CORPORATION, US
[86] (2967094)
[87] (2967094)
[22] 2010-12-01
[62] 2,782,311
[30] US (61/265,675) 2009-12-01

[11] **2,967,169**
[13] C
[51] **Int.Cl. B60K 37/06 (2006.01)**
[25] FR
[54] **SYSTEM FOR CONTROLLING FUNCTIONS OF AN INDUSTRIAL OR ALL-TERRAIN VEHICLE**
[54] **SYSTEME DE COMMANDE DE FONCTIONS DE VEHICULE INDUSTRIEL OU TOUT TERRAIN**
[72] LEBRETON, PHILIPPE, FR
[72] DERVAL, LAURENT, FR
[73] MANITOU BF, FR
[85] 2017-05-10
[86] 2015-11-19 (PCT/FR2015/053137)
[87] (WO2016/079439)
[30] FR (1461191) 2014-11-19

[11] **2,967,206**
[13] C
[51] **Int.Cl. A23K 30/10 (2016.01) A23K 10/16 (2016.01) A23K 10/30 (2016.01) A23K 30/00 (2016.01) A23K 30/18 (2016.01) C12N 1/16 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **HAY PRESERVATIVE AND METHODS FOR PRESERVATION OF HAY**
[54] **AGENT CONSERVATEUR DE FOIN ET PROCEDES DE CONSERVATION DU FOIN**
[72] SINDOU, JULIEN, FR
[72] DURAND, HENRI, FR
[73] DANSTAR FERMENT AG, CH
[85] 2017-05-10
[86] 2015-11-24 (PCT/IB2015/059079)
[87] (WO2016/083996)
[30] EP (14194567.5) 2014-11-24

[11] **2,967,763**
[13] C
[51] **Int.Cl. B65D 30/08 (2006.01)**
[25] EN
[54] **FILMS AND BAGS WITH VISUALLY DISTINCT REGIONS AND METHODS OF MAKING THE SAME**
[54] **FILMS ET SACS AYANT DES REGIONS VISUELLEMENT DISTINCTES ET PROCEDES DE FABRICATION DE CEUX-CI**
[72] WILCOXEN, KYLE R., US
[72] FISH, THEODORE J., US
[72] MAXWELL, JASON R., US
[72] CISEK, KENNETH E., US
[72] JOHNSON, MICHAEL O., US
[73] THE GLAD PRODUCTS COMPANY, US
[73] WILCOXEN, KYLE R., US
[73] FISH, THEODORE J., US
[73] MAXWELL, JASON R., US
[73] CISEK, KENNETH E., US
[73] JOHNSON, MICHAEL O., US
[85] 2017-05-12
[86] 2015-09-11 (PCT/US2015/049620)
[87] (WO2016/040765)
[30] US (14/485,463) 2014-09-12

[11] **2,968,036**
[13] C
[51] **Int.Cl. C25B 9/23 (2021.01) C25B 3/25 (2021.01) C25B 15/08 (2006.01)**
[25] EN
[54] **APPARATUS FOR PRODUCING ORGANIC HYDRIDE AND METHOD FOR PRODUCING ORGANIC HYDRIDE USING SAME**
[54] **APPAREIL DE PRODUCTION D'HYDRURE ORGANIQUE ET PROCEDE DE PRODUCTION D'HYDRURE ORGANIQUE L'UTILISANT**
[72] MITSUSHIMA, SHIGENORI, JP
[72] TAKAKUWA, YASUTOMO, JP
[72] NISHIKI, YOSHINORI, JP
[72] KATO, AKIHIRO, JP
[72] MANABE, AKIYOSHI, JP
[73] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP
[73] DE NORA PERMELEC LTD., JP
[85] 2017-05-16
[86] 2015-11-19 (PCT/JP2015/082616)
[87] (WO2016/080505)
[30] JP (2014-236772) 2014-11-21

[11] **2,968,130**
[13] C
[51] **Int.Cl. G01N 30/06 (2006.01) G01N 33/15 (2006.01)**
[25] EN
[54] **PROCESS OF CONDUCTING HIGH THROUGHPUT TESTING HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**
[54] **PROCEDE POUR EFFECTUER UNE CHROMATOGRAPHIE LIQUIDE HAUTE PERFORMANCE POUR UN TEST A HAUT RENDEMENT**
[72] BORSJE, ERIC, US
[72] RASMUSSEN, HENRIK TORSTHOLM, US
[73] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2017-05-16
[86] 2015-11-18 (PCT/US2015/061264)
[87] (WO2016/081556)
[30] US (62/081,181) 2014-11-18

[11] **2,968,469**
[13] C
[51] **Int.Cl. D21F 3/02 (2006.01) D21F 11/12 (2006.01) D21H 11/02 (2006.01) D21H 27/10 (2006.01) D21H 27/40 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH FLUTING FROM NSSC PULP**
[54] **CANNELURE A HAUTE RESISTANCE FABRIQUEE A PARTIR DE PATE A PAPIER AU MONOSULFITE**
[72] NORDSTROM, FREDRIK, SE
[73] BILLERUDKORSNAS AB, SE
[85] 2017-05-19
[86] 2015-11-20 (PCT/EP2015/077190)
[87] (WO2016/083252)
[30] EP (14194891.9) 2014-11-26

[11] **2,969,018**
[13] C
[51] **Int.Cl. F16H 1/28 (2006.01)**
[25] EN
[54] **EPICYCLIC REDUCTION UNIT FOR APPLICATIONS WITH AN UPWARD OUTPUT**
[54] **UNITE DE REDUCTION EPICYCLOIDALE POUR APPLICATIONS A SORTIE ASCENDANTE**
[72] GALLO, ANDREA, IT
[72] FRASCARI, STEFANO, IT
[73] COMER INDUSTRIES S.P.A., IT
[85] 2017-05-05
[86] 2015-11-05 (PCT/EP2015/075824)
[87] (WO2016/071452)
[30] IT (MO2014A000323) 2014-11-07

[11] **2,969,181**
[13] C
[51] **Int.Cl. B64G 1/62 (2006.01) B64G 1/64 (2006.01) F16B 31/00 (2006.01)**
[25] EN
[54] **PASSIVE DEVICE DESIGNED TO FACILITATE DEMISE OF A SPACE SYSTEM DURING RE-ENTRY INTO THE EARTH'S ATMOSPHERE**
[54] **DISPOSITIF PASSIF CONCU POUR FACILITER LA DISPARITION D'UN SYSTEME SPATIAL PENDANT LA RENTREE DANS L'ATMOSPHERE TERRESTRE**
[72] PARISSENTI, GUIDO, IT
[72] ATTINA', PRIMO, IT
[72] DESTEFANIS, ROBERTO, IT
[72] GENNARO, CORRADO, IT
[72] GRASSI, LILITH, IT
[72] NEBIOLO, MARCO, IT
[73] THALES ALENIA SPACE ITALIA S.P.A. CON UNICO SOCIO, IT
[85] 2017-05-29
[86] 2015-12-01 (PCT/IB2015/059257)
[87] (WO2016/088044)
[30] IT (TO2014A000998) 2014-12-01

[11] **2,970,092**
[13] C
[51] **Int.Cl. B64C 11/18 (2006.01) B64C 11/48 (2006.01)**
[25] FR
[54] **TURBOMACHINE WITH MULTI-DIAMETER PROPELLER**
[54] **TURBOMACHINE A HELICE MULTI-DIAMETRES**
[72] VION, LAURENCE FRANCINE, FR
[72] GRUBER, MATHIEU SIMON PAUL, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-06-06
[86] 2015-12-17 (PCT/FR2015/053600)
[87] (WO2016/097635)
[30] FR (1462652) 2014-12-17

[11] **2,971,005**
[13] C
[51] **Int.Cl. A61B 34/10 (2016.01) A61F 2/28 (2006.01) A61B 6/03 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING AN AUXILIARY DEVICE SUITABLE FOR THE MANUFACTURE OF A PATIENT CUSTOMIZED IMPLANT**
[54] **PROCEDE DE FABRICATION DE DISPOSITIF AUXILIAIRE APPROPRIE POUR LA FABRICATION D'IMPLANT PERSONNALISE DE PATIENT**
[72] KAMER, LUKAS, CH
[72] EGLIN, DAVID, CH
[73] AO TECHNOLOGY AG, CH
[85] 2017-06-14
[86] 2015-01-12 (PCT/CH2015/000001)
[87] (WO2016/112469)

[11] **2,971,097**
[13] C
[51] **Int.Cl. C08J 9/04 (2006.01) C08G 18/08 (2006.01) C08G 18/48 (2006.01) C08L 75/08 (2006.01)**
[25] EN
[54] **VISCOELASTIC POLYURETHANE FOAM WITH AQUEOUS POLYMER DISPERSION**
[54] **MOUSSE VISCOELASTIQUE DE POLYURETHANE AVEC UNE DISPERSION POLYMERE AQUEUSE**
[72] AOU, KAORU, US
[72] JACOBS, JOSEPH, US
[72] MENG, QINGHAO, US
[72] COOKSON, PAUL, CH
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[73] ROHM AND HAAS COMPANY, US
[85] 2017-06-14
[86] 2015-12-15 (PCT/US2015/065680)
[87] (WO2016/100263)
[30] US (62/093,054) 2014-12-17
[30] US (62/166,261) 2015-05-26

[11] **2,974,518**
[13] C
[51] **Int.Cl. H04W 4/02 (2018.01)**
[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR ASSET STATUS DETERMINATION**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DE DETERMINATION D'ETAT D'ACTIFS**
[72] KULKARNI, RAGHAVENDRA, US
[72] NARAHARI, SHARATH, US
[72] ROOPREDDY, RAVINDAR, US
[73] CLOUDLEAF, INC., US
[85] 2017-07-20
[86] 2016-01-21 (PCT/US2016/014369)
[87] (WO2016/118776)
[30] US (62/105,885) 2015-01-21
[30] US (62/161,463) 2015-05-14
[30] US (62/161,789) 2015-05-14
[30] US (PCT/US2015/048412) 2015-09-03
[30] US (14/845,071) 2015-09-03

[11] **2,975,227**
[13] C
[51] **Int.Cl. B64D 27/00 (2006.01) B64D 31/00 (2006.01) B64D 35/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUGMENTING A PRIMARY POWERPLANT**
[54] **SYSTEME ET METHODE DE REHAUSSEMENT DE CENTRALE ELECTRIQUE PRIMAIRE**
[72] GOLSHANY, SINA S., US
[72] ERICKSON, TODD W., US
[72] ALDERKS, DEREK R., US
[73] THE BOEING COMPANY, US
[86] (2975227)
[87] (2975227)
[22] 2017-08-02
[30] US (15/343116) 2016-11-03

[11] **2,975,628**
[13] C
[51] **Int.Cl. F16B 35/04 (2006.01) F16B 33/02 (2006.01)**
[25] EN
[54] **METHOD FOR CORRECTING TRANSLATIONAL MISALIGNMENT BETWEEN MALE AND FEMALE FASTENER MEMBERS**
[54] **PROCEDE POUR CORRIGER UN DEFAUT D'ALIGNEMENT DE TRANSLATION ENTRE DES ELEMENTS DE FIXATION MALE ET FEMELLE**
[72] GARVER, MICHAEL, US
[73] MATHREAD INCORPORATED, US
[85] 2017-08-01
[86] 2016-03-02 (PCT/US2016/020370)
[87] (WO2016/160246)
[30] US (14/671,893) 2015-03-27

[11] **2,976,117**
[13] C
[51] **Int.Cl. G06Q 50/34 (2012.01)**
[25] EN
[54] **ENHANCED ON-DEMAND SERVICE FUNCTIONALITY IMPLEMENTED IN CASINO GAMING NETWORKS**
[54] **FONCTIONNALITE DE SERVICE A LA DEMANDE AMELIOREE ET MISE EN □UVRE DANS DES RESEAUX DE JEU DE CASINO**
[72] WASHINGTON, GEORG, US
[72] SERRA, JOE, US
[72] STANKEVICH, TOM, US
[72] MAC AULEY, JUSTIN, US
[73] SYNERGY BLUE, LLC, US
[85] 2017-08-08
[86] 2016-02-16 (PCT/US2016/018137)
[87] (WO2016/133939)
[30] US (62/116,726) 2015-02-16

[11] **2,976,514**
[13] C
[51] **Int.Cl. C12N 9/18 (2006.01) A23K 10/10 (2016.01) A23K 20/189 (2016.01) A23L 33/17 (2016.01) C12N 15/55 (2006.01)**
[25] EN
[54] **FUSARIUM TOXIN-CLEAVING POLYPEPTIDE VARIANTS, ADDITIVE CONTAINING THE SAME, AND USE OF THE SAME, AND METHOD FOR CLEAVING FUSARIUM TOXINS**
[54] **VARIANTS POLYPEPTIDIQUES DISSOCIANT DES TOXINES DE FUSARIUM, ADDITIF CONTENANT CES VARIANTS ET UTILISATION DE CET ADDITIF ET DE CES VARIANTS ET PROCEDE POUR LA DISSOCIATION DE TOX INES DE FUSARIUM**
[72] ALESCHKO, MARKUS, AT
[72] KERN, CORINNA, AT
[72] MOLL, DIETER, AT
[72] BINDER, EVA MARIA, AT
[72] SCHATZMAYR, GERD, AT
[73] ERBER AKTIENGESELLSCHAFT, AT
[85] 2017-08-14
[86] 2015-02-24 (PCT/AT2015/000032)
[87] (WO2016/134387)

[11] **2,977,117**
[13] C
[51] **Int.Cl. E06B 11/02 (2006.01) E04H 17/00 (2006.01) E05D 3/00 (2006.01) E06B 11/04 (2006.01)**
[25] EN
[54] **FENCE GATE ASSEMBLY, FENCE GATE KIT, SYSTEM AND METHODS OF MANUFACTURING THEREOF**
[54] **ASSEMBLAGE DE PORTE DE CLOTURE, NECESSAIRE DE PORTE DE CLOTURE, SYSTEMES ET METHODES DE FABRICATION ASSOCIES**
[72] WRIGHT, DOUGLAS G., US
[72] CLARK, CHRISTOPHER R., US
[72] SCHNEIDER, CHRISTOPHER M., US
[73] BARRETTE OUTDOOR LIVING, INC., US
[86] (2977117)
[87] (2977117)
[22] 2017-08-23
[30] US (15/263,799) 2016-09-13

[11] **2,977,199**
[13] C
[51] **Int.Cl. A47G 21/06 (2006.01) A46B 15/00 (2006.01) A47G 21/00 (2006.01) A47G 29/00 (2006.01) A47G 29/08 (2006.01) B43K 23/04 (2006.01) B43K 29/00 (2006.01) F16M 13/00 (2006.01)**
[25] EN
[54] **SELF-RIGHTING HANDHELD UTENSIL**
[54] **USTENSILE A MAIN A REDRESSEMENT AUTOMATIQUE**
[72] WARTERSIAN, HAROUT, US
[72] WARTERSIAN, KEVORK, US
[73] VARTIAN CORP, US
[85] 2017-08-18
[86] 2016-02-09 (PCT/US2016/017074)
[87] (WO2016/133737)
[30] US (14/627,001) 2015-02-20
[30] US (14/673,142) 2015-03-30
[30] US (14/817,713) 2015-08-04

[11] **2,978,153**
[13] C
[51] **Int.Cl. C02F 9/04 (2006.01) B01D 21/01 (2006.01) C02F 1/24 (2006.01) C02F 1/52 (2006.01) C02F 1/58 (2006.01) C02F 1/66 (2006.01) C02F 1/72 (2006.01)**
[25] EN
[54] **DISSOLVED AIR FLOTATION FOR REMOVAL OF SELENIUM**
[54] **AEROFLOTTATION DISSOUTE POUR L'ELIMINATION DU SELENIUM**
[72] LILLY, BRIAN KEITH, US
[73] SUNCOR ENERGY INC., CA
[86] (2978153)
[87] (2978153)
[22] 2017-09-05
[30] US (15/693,766) 2017-09-01

[11] **2,978,836**
[13] C
[51] **Int.Cl. G08G 5/02 (2006.01) B64C 13/20 (2006.01) B64D 43/00 (2006.01) B64D 45/04 (2006.01) G01C 23/00 (2006.01) G01S 13/91 (2006.01)**
[25] EN
[54] **FLIGHT CONTROL SYSTEM WITH SYNTHETIC INTERTIAL GLIDESLOPE DEVIATION AND METHOD OF USE**
[54] **SYSTEME DE COMMANDE DE VOL A DEVIATION DE PENTE DE DESCENTE INTERCONNECTEE SYNTHETIQUE ET METHODE D'UTILISATION**
[72] MCLEES, ROBERT E., US
[72] FREEMAN, ROBERT ERIK, US
[72] PANYAKEOW, PRACHYA, US
[73] THE BOEING COMPANY, US
[86] (2978836)
[87] (2978836)
[22] 2017-09-08
[30] US (15/340,349) 2016-11-01

[11] **2,979,914**
[13] C
[51] **Int.Cl. B29C 70/46 (2006.01) B64F 5/10 (2017.01) B64C 1/06 (2006.01) B64C 3/18 (2006.01) B64C 3/24 (2006.01)**
[25] EN
[54] **METHODS FOR FORMING A COMPOSITE BLADE STIFFENER AND FACILITATING APPLICATION OF BARELY VISIBLE IMPACT DAMAGE TREATMENTS**
[54] **METHODES DE FORMATION DE RENFORT DE PALE EN COMPOSITE ET FACILITATION D'APPLICATION DE TRAITEMENTS DES DOMMAGES D'IMPACTS TRES PEU VISIBLES**
[72] CARLSON, LISA, US
[72] PHAM, KANNA M., US
[72] SWEETIN, JOSEPH, US
[72] HANSON, GARRETT C., US
[72] REEVES, JAKE ADAM, US
[72] CHAN, CHILIP, US
[72] NGUYEN, KIET, US
[73] THE BOEING COMPANY, US
[86] (2979914)
[87] (2979914)
[22] 2017-09-21
[30] US (15/340568) 2016-11-01

[11] **2,980,287**
[13] C
[51] **Int.Cl. C12M 1/38 (2006.01) A01N 1/02 (2006.01) A61G 11/00 (2006.01) C12M 1/36 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **INCUBATING ENCLOSURE**
[54] **ENCEINTE D'INCUBATION**
[72] FREAKE, JACOB, US
[72] GOMES, JOSH, US
[72] HINOJOSA, CHRISTOPHER DAVID, US
[72] LEVNER, DANIEL, US
[72] SABIN, DOUG, US
[72] THOMPSON, GUY, II, US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2017-09-19
[86] 2016-03-17 (PCT/US2016/022928)
[87] (WO2016/149527)
[30] US (62/135,545) 2015-03-19

[11] **2,982,202**
[13] C
[51] **Int.Cl. H01B 7/04 (2006.01)**
[25] EN
[54] **DYNAMIC SUBMARINE POWER CABLE**
[54] **CABLE D'ALIMENTATION SOUS-MARIN DYNAMIQUE**
[72] PERSBERG, ANDREAS, SE
[72] TYRBERG, ANDREAS, SE
[73] NKT HV CABLES AB, SE
[85] 2017-10-10
[86] 2015-04-10 (PCT/EP2015/057795)
[87] (WO2016/162076)

[11] **2,983,387**
[13] C
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/454 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF 1-((2R,4R)-2-(1H-BENZO[D]IMIDAZOL-2-YL)-1-METHYLPIPERIDIN-4-YL)-3-(4-CYANOPHENYL)UREA MALEATE**
[54] **FORMES CRISTALLINES DU MALEATE DE 1-((2R,4R)-2-(1H-BENZO[D]IMIDAZOL-2-YL)-1-METHYLPIPERIDIN-4-YL)-3-(4-CYANOPHENYL)UREE**
[72] HANSEN, ERIC CHRISTIAN, US
[72] SEADEEK, CHRISTOPHER SCOTT, US
[72] RANE, ANIL MAHADEO, US
[73] PFIZER INC., US
[85] 2017-10-19
[86] 2016-04-13 (PCT/IB2016/052107)
[87] (WO2016/170451)
[30] US (62/152,108) 2015-04-24

[11] **2,983,579**
[13] C
[51] **Int.Cl. F16J 15/3268 (2016.01) F16J 15/3276 (2016.01) F16J 15/32 (2016.01) F16L 23/16 (2006.01) F16L 23/18 (2006.01)**
[25] EN
[54] **SEALING SYSTEM HAVING INTERLOCKING INNER DIAMETER SEAL ELEMENT TO RESIST PRESSURE CHANGES**
[54] **SYSTEME D'ETANCHEITE AYANT UN ELEMENT DE JOINT D'ETANCHEITE DE DIAMETRE INTERNE A VERROUILLAGE MUTUEL POUR RESISTER A DES CHANGEMENTS DE PRESSION**
[72] BANDER, NICHOLAS, US
[72] ROBERTSON, PATRICK, US
[72] WITTEKIND, DAVID, US
[72] TANNER, T. SCOTT, US
[73] GARLOCK PIPELINE TECHNOLOGIES, INC., US
[85] 2017-10-20
[86] 2015-04-23 (PCT/US2015/027381)
[87] (WO2016/171704)

[11] **2,984,402**
[13] C
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 5/14 (2006.01) C12N 15/09 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **DNA MOLECULE ENCODING 5'UTR THAT ENABLES HIGH-LEVEL EXPRESSION OF RECOMBINANT PROTEIN IN PLANT**
[54] **MOLECULE D'ADN CODANT UNE 5'UTR QUI PERMET UN NIVEAU ELEVE D'EXPRESSION D'UNE PROTEINE RECOMBINANTE DANS UNE PLANTE**
[72] KATO, KO, JP
[73] NATIONAL UNIVERSITY CORPORATION NARA INSTITUTE OF SCIENCE AND TECHNOLOGY, JP
[85] 2017-10-30
[86] 2016-04-21 (PCT/JP2016/062679)
[87] (WO2016/175132)
[30] JP (2015-093062) 2015-04-30

[11] **2,985,214**
[13] C
[51] **Int.Cl. B65D 88/52 (2006.01) B65D 6/18 (2006.01)**
[25] EN
[54] **FOLDABLE CONTAINER**
[54] **RECIPIENT PLIABLE**
[72] JIAN, YUANLI, CN
[73] SHANGHAI HONGYAN RETURNABLE TRANSIT PACKAGINGS CO., LTD., CN
[85] 2017-11-07
[86] 2016-05-05 (PCT/CN2016/081179)
[87] (WO2016/177338)
[30] CN (201510229497.9) 2015-05-07

[11] **2,985,668**
[13] C
[51] **Int.Cl. B65G 1/08 (2006.01) B65G 1/04 (2006.01) B65G 1/137 (2006.01)**
[25] EN
[54] **COMMISSIONING DEVICE AND PROCESS FOR OUTPUTTING PIECE GOODS USING THE COMMISSIONING DEVICE**
[54] **DISPOSITIF DE PREPARATION DE COMMANDES ET PROCEDE DE STOCKAGE DE MARCHANDISES AVEC LE DISPOSITIF DE PREPARATION DE COMMANDES**
[72] HELLENBRAND, CHRISTOPH, DE
[73] BECTON DICKINSON ROWA GERMANY GMBH, DE
[85] 2017-06-15
[86] 2016-01-07 (PCT/EP2016/050192)
[87] (WO2016/110528)
[30] EP (15150566.6) 2015-01-09

[11] **2,985,677**
[13] C
[51] **Int.Cl. B65B 9/08 (2012.01) B65B 41/12 (2006.01)**
[25] EN
[54] **PACKAGING DEVICE FOR DRUGS**
[54] **DISPOSITIF D'EMBALLAGE DE MEDICAMENTS**
[72] GROSS, DIETMAR, DE
[73] BECTON DICKINSON ROWA GERMANY GMBH, DE
[85] 2017-06-15
[86] 2016-01-13 (PCT/EP2016/050544)
[87] (WO2016/113291)
[30] EP (15151360.3) 2015-01-16

[11] **2,985,835**
[13] C
[51] **Int.Cl. E21B 29/06 (2006.01) E21B 17/10 (2006.01) E21B 29/00 (2006.01)**
[25] EN
[54] **CUTTER ASSEMBLY FOR CUTTING A TUBULAR, BOTTOM HOLE ASSEMBLY COMPRISING SUCH A CUTTER ASSEMBLY AND METHOD OF CUTTING A TUBULAR**
[54] **ENSEMBLE DE COUPE POUR COUPER UN MATERIEL TUBULAIRE, ENSEMBLE DE FOND DE TROU COMPRENANT LEDIT ENSEMBLE DE COUPE ET PROCEDE DE COUPE D'UN MATERIEL TUBULAIRE**
[72] HAQ, MOHAMMED ALEEMUL, US
[72] SEGURA, RICHARD J., US
[72] TEALE, DAVID W., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2017-11-10
[86] 2016-05-27 (PCT/US2016/034744)
[87] (WO2016/191720)
[30] US (62/167,410) 2015-05-28

[11] **2,986,176**
[13] C
[51] **Int.Cl. B65D 77/20 (2006.01) B65B 7/28 (2006.01) B65B 51/22 (2006.01)**
[25] EN
[54] **LID ASSEMBLY FOR A PACKING CONTAINER, PACKING CONTAINER WITH SUCH A LID ASSEMBLY, AND METHOD FOR MANUFACTURING SAME**
[54] **ASSEMBLAGE DE COUVERCLE DESTINE A UN CONTENANT D'EMBALLAGE, CONTENANT D'EMBALLAGE COMPORTANT UN TEL COUVERCLE, ET METHODE DE FABRICATION ASSOCIEE**
[72] HAUCK, PETER, DE
[72] GERBER, EUGEN, DE
[72] ZIMMERMANN, JOACHIM, DE
[72] KOCKSCH, HOLGER, DE
[73] SONOCO DEVELOPMENT INC., US
[85] 2017-11-16
[86] 2015-05-19 (PCT/EP2015/001016)
[87] (WO2016/184478)

[11] **2,987,230**
[13] C
[51] **Int.Cl. E06B 9/58 (2006.01) E06B 9/52 (2006.01)**
[25] EN
[54] **GUIDE TRACK ARRANGEMENT**
[54] **CONFIGURATION DE RAIL-GUIDE**
[72] ROBERTS, ANTHONY G., AU
[72] RODD, AARON, AU
[73] FREEDOM SCREENS CAPITAL PTY LTD, AU
[86] (2987230)
[87] (2987230)
[22] 2017-11-30
[30] AU (AU2016904917) 2016-11-30
[30] AU (AU2016904918) 2016-11-30
[30] AU (AU2016904919) 2016-11-30

[11] **2,987,978**
[13] C
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4706 (2006.01) A61K 31/4709 (2006.01) A61P 35/00 (2006.01) C07D 215/42 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **NOVEL COMPOUNDS AS DUAL INHIBITORS OF HISTONE METHYLTRANSFERASES AND DNA METHYLTRANSFERASES**
[54] **NOUVEAUX COMPOSES UTILISES COMME INHIBITEURS DOUBLES D'HISTONE METHYLTRANSFERASES ET D'ADN METHYLTRANSFERASES**
[72] AGUIRRE ENA, XABIER, ES
[72] OYARZABAL SANTAMARINA, JULEN, ES
[72] PROSPER CARDOSO, FELIPE, ES
[72] RABAL GRACIA, MARIA OBDULIA, ES
[72] RODRIGUEZ MADOZ, JUAN ROBERTO, ES
[72] SAN JOSE ENERIZ, EDURNE, ES
[73] FUNDACION PARA LA INVESTIGACION MEDICA APLICADA, ES
[85] 2017-12-01
[86] 2015-03-30 (PCT/EP2015/056860)
[87] (WO2015/192981)
[30] EP (14382230.2) 2014-06-16

[11] **2,988,984**
[13] C
[51] **Int.Cl. C02F 1/461 (2006.01) A61L 2/18 (2006.01) B01J 47/12 (2017.01) C01D 3/06 (2006.01) C02F 1/469 (2006.01)**
[25] EN
[54] **HIGH VOLUME WATER ELECTROLYZING SYSTEM AND METHOD OF USING**
[54] **SYSTEMES D'ELECTROLYSE D'EAU A GRAND VOLUME ET PROCEDE D'UTILISATION**
[72] CRONCE, KEITH L., US
[72] WILLIAMS, JOHN TYLER, US
[72] ADAMS, ROBERT, US
[73] SPRAYING SYSTEMS CO., US
[85] 2017-12-08
[86] 2016-06-13 (PCT/US2016/037215)
[87] (WO2016/201428)
[30] US (62/174,791) 2015-06-12

[11] **2,989,468**
[13] C
[51] **Int.Cl. E21C 25/16 (2006.01) E21B 10/22 (2006.01) E21D 9/10 (2006.01)**
[25] EN
[54] **CUTTER ASSEMBLY WITH ROLLING ELEMENTS AND METHOD OF DISASSEMBLING**
[54] **ENSEMBLE DE COUPE A ELEMENTS DE ROULEMENT ET PROCEDE DE DEMONTAGE**
[72] EBNER, BERNHARD, AT
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2017-12-14
[86] 2015-06-22 (PCT/EP2015/063958)
[87] (WO2016/206710)

[11] **2,990,670**
[13] C
[51] **Int.Cl. A61M 13/00 (2006.01) A61B 17/00 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **GAS RECIRCULATION SYSTEM**
[54] **SYSTEME DE RECIRCULATION DE GAZ**
[72] MANTELL, ROBERT R., US
[72] MILLAR, DONALD, US
[72] MILLAR, PATRICK B., US
[72] ANDERSEN, ERIC P., US
[73] NORTHGATE TECHNOLOGIES INC., US
[85] 2017-12-21
[86] 2016-07-01 (PCT/US2016/040642)
[87] (WO2017/004490)
[30] US (62/188,319) 2015-07-02

[11] **2,991,098**
[13] C
[51] **Int.Cl. B01J 21/04 (2006.01)**
[25] EN
[54] **A REFORMING CATALYST AND A PROCESS FOR PREPARATION THEREOF**
[54] **CATALYSEUR DE REFORMAGE ET SON PROCEDE DE PREPARATION**
[72] SHARMA, NAGESH, IN
[72] KATRAVULAPALLI, VEERA VENKATA SATYA BHASKARA SITA RAMA MURTHY, IN
[72] KUMAR, AJAY, IN
[72] GOPALAKRISHNAN, KALPANA, IN
[72] JASRA, RAKSH VIR, IN
[73] RELIANCE INDUSTRIES LIMITED, IN
[85] 2017-12-29
[86] 2016-06-30 (PCT/IB2016/053923)
[87] (WO2017/002059)
[30] IN (390/MUM/2015) 2015-06-30

[11] **2,992,170**
[13] C
[51] **Int.Cl. C12N 15/00 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **ARTIFICIAL PG1-X PROMOTERS**
[54] **PROMOTEURS PG1-X ARTIFICIELS**
[72] MATTANOVICH, DIETHARD, AT
[72] GASSER, BRIGITTE, AT
[72] PRIELHOFER, ROLAND, AT
[73] LONZA LTD, CH
[85] 2018-01-11
[86] 2016-08-05 (PCT/EP2016/068784)
[87] (WO2017/021541)
[30] EP (PCT/EP2015/068024) 2015-08-05
[30] EP (16163932.3) 2016-04-05

[11] **2,992,820**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/5383 (2006.01) A61P 25/30 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **DOPAMINE D3 RECEPTOR ANTAGONISTS HAVING A BICYCLO MOIETY**
[54] **ANTAGONISTES DU RECEPTEUR D3 DE LA DOPAMINE AYANT UN FRAGMENT BICYCLO**
[72] CREMONESI, SUSANNA, IT
[72] MICHELI, FABRIZIO, IT
[72] SEMERARO, TERESA, IT
[72] TARSI, LUCA, IT
[73] INDIVIOR UK LIMITED, GB
[85] 2018-01-17
[86] 2016-08-04 (PCT/IB2016/054708)
[87] (WO2017/021920)
[30] GB (1513871.2) 2015-08-05
[30] GB (1518125.8) 2015-10-13

[11] **2,993,558**
[13] C
[51] **Int.Cl. F24F 7/04 (2006.01) F24F 13/02 (2006.01) F24F 13/20 (2006.01)**
[25] EN
[54] **ADAPTIVE EXHAUST VENT**
[54] **EVENT D'ECHAPPEMENT ADAPTATIF**
[72] WHITEHEAD, JAMES H., US
[73] IPS CORPORATION, US
[86] (2993558)
[87] (2993558)
[22] 2018-01-31
[30] US (15/421727) 2017-02-01

[11] **2,994,390**
[13] C
[51] **Int.Cl. B09B 3/50 (2022.01) C05F 17/20 (2020.01) B09B 3/38 (2022.01) B09B 3/40 (2022.01) B09B 3/00 (2022.01) C05F 9/02 (2006.01)**
[25] EN
[54] **ORGANIC WASTE DIGESTER SYSTEM**
[54] **SYSTEME DIGESTEUR DE DECHETS ORGANIQUES**
[72] GRILLO, PAUL, US
[72] SECOVICH, BRUCE, US
[73] BIOGREEN 360, INC., US
[85] 2018-01-31
[86] 2015-05-29 (PCT/US2015/033212)
[87] (WO2016/022198)
[30] US (62/033,437) 2014-08-05

[11] **2,995,477**
[13] C
[51] **Int.Cl. C22B 7/04 (2006.01) C22B 21/00 (2006.01)**
[25] EN
[54] **DROSS MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE GESTION DE LAITIER**
[72] HERBERT, JAMES, US
[73] ALTEK EUROPE LTD., GB
[85] 2018-02-12
[86] 2016-08-16 (PCT/US2016/047137)
[87] (WO2017/034854)
[30] US (62/208,273) 2015-08-21

---

[11] **2,995,950**
[13] C
[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/38 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **CARD CONTINUITY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CONTINUITE DE CARTE**
[72] HOWE, JUSTIN, US
[72] LOWENBERG, TODD, US
[72] REISKIND, ANDREW, US
[72] SHUKEN, RANDY, US
[72] VILLARS, CURTIS, US
[73] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-02-16
[86] 2016-08-17 (PCT/US2016/047302)
[87] (WO2017/031181)
[30] US (14/831,756) 2015-08-20

---

[11] **2,995,964**
[13] C
[51] **Int.Cl. G01P 5/14 (2006.01) B64D 43/02 (2006.01)**
[25] EN
[54] **SYSTEM FOR ESTIMATING AIRSPEED OF AN AIRCRAFT BASED ON A DRAG MODEL**
[54] **SYSTEME D'ESTIMATION DE LA VITESSE ANEMOMETRIQUE D'UN AERONEF FONDEE SUR UN MODELE DE TRAINEE**
[72] LUO, JIA, US
[72] WILSON, DOUGLAS LEE, US
[73] THE BOEING COMPANY, US
[86] (2995964)
[87] (2995964)
[22] 2018-02-20
[30] US (15/620,224) 2017-06-12

---

[11] **2,996,328**
[13] C
[51] **Int.Cl. C22B 3/12 (2006.01) C22B 15/00 (2006.01) C22B 30/04 (2006.01)**
[25] EN
[54] **PROCESS FOR REMOVAL OF ARSENIC FROM MATERIALS CONTAINING SAME**
[54] **PROCEDE D'ELIMINATION D'ARSENIC DES MATERIAUX EN RENFERMANT**
[72] GRAELL MOORE, JOHN PATRICK, CL
[72] GUZMAN MANZO, MANUEL ENRIQUE, CL
[72] PIZARRO HERRERA, CRISTIAN EDUARDO, CL
[72] SOTO INFANTE, CHRISTIAN IGNACIO, CL
[73] MOLIBDENOS Y METALES S.A., CL
[85] 2018-02-22
[86] 2015-09-02 (PCT/CL2015/050038)
[87] (WO2017/035675)

---

[11] **2,996,653**
[13] C
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 37/06 (2006.01) C07H 21/00 (2006.01) C07K 16/00 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **MOLECULAR CONSTRUCTS FOR TREATING REJECTION REACTION IN TRANSPLANTATION**
[54] **CONSTRUCTIONS MOLECULAIRES POUR LE TRAITEMENT D'UNE REACTION DE REJET AU COURS D'UNE TRANSPLANTATION**
[72] CHANG, TSE-WEN, CN
[72] CHU, HSING-MAO, CN
[72] LIN, CHUN-YU, CN
[72] TIAN, WEI-TING, CN
[72] DU, LI-YUN, CN
[73] IMMUNWORK INC., CN
[85] 2018-02-26
[86] 2016-09-01 (PCT/CN2016/097783)
[87] (WO2017/036407)
[30] US (62/213,012) 2015-09-01
[30] US (62/308,349) 2016-03-15

---

[11] **2,997,860**
[13] C
[51] **Int.Cl. D06F 73/00 (2006.01) B60N 2/58 (2006.01) B62D 63/04 (2006.01) B68G 15/00 (2006.01)**
[25] EN
[54] **TRIM COVER STEAM MACHINE**
[54] **MACHINE A VAPEUR DESTINEE AU REVETEMENT DE GARNITURE**
[72] BORZY, STEPHAN M., US
[72] PALOWITZ, RICHARD J., US
[73] MAGNA SEATING INC., CA
[86] (2997860)
[87] (2997860)
[22] 2018-03-09
[30] US (62/469,744) 2017-03-10

---

[11] **2,998,273**
[13] C
[51] **Int.Cl. H04L 41/12 (2022.01) H04L 69/08 (2022.01)**
[25] EN
[54] **IMPROVEMENTS IN AND RELATING TO SECURE TACTICAL NETWORKS**
[54] **AMELIORATIONS DANS ET EN RAPPORT AVEC LES RESEAUX TACTIQUES SECURISES**
[72] HUBBARD, ADRIAN CHRISTOPHER, GB
[72] RALLINGS, PAUL JOHN MICHAEL, GB
[72] BARTON, GREGORY WILLIAM JAMES, GB
[72] ELSON, CHRISTOPHER JOHN, GB
[73] BAE SYSTEMS PLC, GB
[85] 2018-03-09
[86] 2016-06-28 (PCT/GB2016/051934)
[87] (WO2017/042527)
[30] GB (1516118.5) 2015-09-11
[30] EP (15275201.0) 2015-09-11

[11] **2,998,281**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 31/00 (2006.01) A61P 33/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **HUMAN ANTI-PD-1 ANTOBODIES AND USES THEREFOR**
[54] **ANTICORPS ANTI-PD-1 HUMAINS ET LEURS UTILISATIONS**
[72] FREEMAN, GORDON J., US
[72] AHMED, RAFI, US
[72] JONES, TIMOTHY D., GB
[72] CARR, FRANCIS J., GB
[72] GREGSON, JAMES P., GB
[73] DANA-FARBER CANCER INSTITUTE, INC., US
[73] EMORY UNIVERSITY, US
[86] (2998281)
[87] (2998281)
[22] 2009-09-25
[62] 2,738,252
[30] US (61/100534) 2008-09-26

---

[11] **2,998,841**
[13] C
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01)**
[25] EN
[54] **NOVEL LACTOBACILLUS HAVING VARIOUS FUNCTIONS AND USE THEREOF FOR PREVENTION OR TREATMENT OF LIVER INJURY, INTESTINAL DAMAGE, ALLERGY, INFLAMMATION OR OBESITY**
[54] **NOUVEAU LACTOBACILLE AYANT DIVERSES FONCTIONS, ET UTILISATION CONNEXE POUR LA PREVENTION OU LE TRAITEMENT DES BLESSURES AU FOIE, DES BLESSURES INTESTINALES, DES ALLERGIES, DE L'INFLAMMATION OU DE L'OBESITE**
[72] KIM, DONG HYUN, KR
[72] HAN, MYUNG JOO, KR
[73] UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY, KR
[73] NAVIPHARM CO, LTD, KR
[85] 2018-03-15
[86] 2016-09-07 (PCT/KR2016/009994)
[87] (WO2017/047968)
[30] KR (10-2015-0130124) 2015-09-15
[30] KR (10-2016-0005018) 2016-01-15

---

[11] **3,000,231**
[13] C
[51] **Int.Cl. A22C 11/02 (2006.01) A22C 13/02 (2006.01)**
[25] EN
[54] **A DOUBLE TUBE ENCASING APPARATUS**
[54] **APPAREIL DE GAINAGE A TUBE DOUBLE**
[72] MERCURI, ENNIO, AU
[72] MENDO, ANTHONY, AU
[72] MERCURI, JAMES, AU
[73] MERCTECH PTY LTD, AU
[85] 2018-03-28
[86] 2016-09-28 (PCT/AU2016/000333)
[87] (WO2017/054029)
[30] AU (2015903937) 2015-09-28

---

[11] **3,000,724**
[13] C
[51] **Int.Cl. E04H 4/04 (2006.01)**
[25] EN
[54] **MODULAR POOL SYSTEM**
[54] **SYSTEME DE PISCINE MODULAIRE**
[72] KWIATKOWSKI, NATALYA CARINA, CA
[73] KWIATKOWSKI, NATALYA CARINA, CA
[86] (3000724)
[87] (3000724)
[22] 2018-04-10
[30] US (62/546,863) 2017-08-17

---

[11] **3,001,083**
[13] C
[51] **Int.Cl. A47J 31/20 (2006.01)**
[25] EN
[54] **COLLECTION RECEPTACLE FOR COLLECTING INSOLUBLE MATERIAL THAT IS USED FOR PREPARING BEVERAGES, AS WELL AS INFUSION DEVICE WITH SUCH A COLLECTION RECEPTACLE**
[54] **RECIPIENT COLLECTEUR POUR LA COLLECTE DE LA MATIERE INSOLUBLE UTILISEE LORS DE LA PREPARATION DE BOISSONS ET DISPOSITIF D'INFUSION DOTE D'UN TEL RECIPIENT COLLECTEUR**
[72] BODUM, JORGEN, CH
[73] PI-DESIGN AG, CH
[85] 2018-04-05
[86] 2016-11-02 (PCT/EP2016/076423)
[87] (WO2017/080885)
[30] DE (10 2015 119 406.6) 2015-11-11

---

[11] **3,001,513**
[13] C
[51] **Int.Cl. H02G 1/14 (2006.01) H02G 15/08 (2006.01)**
[25] EN
[54] **JOINT FOR ELECTRIC CABLES WITH THERMOPLASTIC INSULATION AND METHOD FOR MANUFACTURING THE SAME**
[54] **JONCTION POUR CABLES ELECTRIQUES AVEC ISOLATION THERMOPLASTIQUE ET SON PROCEDE DE FABRICATION**
[72] CAIMI, LUIGI, IT
[72] DE MARTINO, LUIGI, IT
[73] PRYSMIAN S.P.A., IT
[85] 2018-04-10
[86] 2015-10-23 (PCT/IB2015/058193)
[87] (WO2017/068398)

---

[11] **3,002,575**
[13] C
[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) C12N 15/82 (2006.01)**
[25] EN
[54] **SYNTHETIC PROMOTOR INDUCED BY ABIOTIC STRESS, GENETIC CONSTRUCT CONTAINING SAME AND PLANT CELLS TRANSFORMED THEREWITH**
[54] **PROMOTEUR DE SYNTHESE INDUIT PAR STRESS ABIOTIQUE, CONSTRUCTION GENETIQUE LE CONTENANT ET CELLULES VEGETALES TRANSFORMEES AVEC LADITE CONSTRUCTION**
[72] RUIZ LARA, SIMON AURELIO, CL
[72] GONZALEZ VILLANUEVA, ENRIQUE RAMON, CL
[72] PEREZ DIAZ, JORGE LUIS, CL
[72] PEREZ DIAZ, JOSE RICARDO, CL
[72] YANEZ CHAVEZ, MONICA LORETO, CL
[72] VERDUGO BASTIAS, ISABEL ALEJANDRA, CL
[72] GONZALEZ DIAZ, SEBASTIAN ALEJANDRO, CL
[72] CHILIAN, RICARDO JAVIER, CL
[73] UNIVERSIDAD DE TALCA, CL
[73] FERMELO S.A., CL
[73] INVESTIGACIONES AGRICOLAS Y FORESTALES DEL MAULE S.A., CL
[73] INVERSIONES Y ASESORIA OLIVARES Y MELOSSI LTDA, CL
[85] 2018-04-19
[86] 2016-10-12 (PCT/CL2016/050053)
[87] (WO2017/066894)
[30] CL (3143-2015) 2015-10-23

[11] **3,002,681**
[13] C
[51] **Int.Cl. C08B 1/10 (2006.01) C12P 7/08 (2006.01)**
[25] EN
[54] **ALTERNATIVE POST TREATMENT FOR STABILIZING HIGHLY DISORDERED CELLULOSES**
[54] **POST-TRAITEMENT ALTERNATIF DE STABILISATION DE CELLULOSES HAUTEMENT DESORDONNEES**
[72] ATALLA, ROWAN S., US
[72] ATALLA, RAJAI H., US
[73] CELLULOSE SCIENCES INTERNATIONAL, INC., US
[85] 2018-04-19
[86] 2016-10-28 (PCT/US2016/059337)
[87] (WO2017/075361)
[30] US (62/249,102) 2015-10-30

[11] **3,002,979**
[13] C
[51] **Int.Cl. G09F 3/02 (2006.01) G09F 3/10 (2006.01)**
[25] EN
[54] **LABEL SHEET ASSEMBLY WITH IMPROVED PRINTER FEEDING**
[54] **ENSEMBLE FEUILLE D'ETIQUETTES AVEC ENTRAINEMENT AMELIORE DANS UNE IMPRIMANTE**
[72] LI, STEPHEN, US
[72] UTZ, MARTIN, DE
[73] CCL LABEL, INC., US
[85] 2018-04-23
[86] 2016-10-21 (PCT/US2016/058180)
[87] (WO2017/070511)
[30] US (62/245,369) 2015-10-23
[30] US (62/381,714) 2016-08-31

[11] **3,003,154**
[13] C
[51] **Int.Cl. H01Q 9/30 (2006.01) H01Q 9/38 (2006.01) H01Q 21/24 (2006.01)**
[25] EN
[54] **DUAL ANTENNA WIRELESS COMMUNICATION DEVICE IN A LOAD CONTROL SYSTEM**
[54] **DISPOSITIF DE COMMUNICATION SANS FIL A DOUBLE ANTENNE DANS UN SYSTEME DE COMMANDE DE CHARGE**
[72] BARD, BENJAMIN F., US
[72] BOLLINGER, ROBERT, JR., US
[72] MOSEBROOK, DONALD R., US
[72] ZAHARCHUK, WALTER S., US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2018-04-24
[86] 2016-10-28 (PCT/US2016/059391)
[87] (WO2017/075401)
[30] US (62/248,762) 2015-10-30

[11] **3,004,358**
[13] C
[51] **Int.Cl. A23D 7/00 (2006.01) A23D 7/02 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING FAT CONTINUOUS EMULSIONS CONTAINING MIDSTOCK OR CREAM**
[54] **PROCEDE DE PREPARATION D'EMULSIONS CONTINUES GRASSES CONTENANT UNE BASE SEMI-SOLIDE OU UNE CREME**
[72] DE MAN, TEUNIS, NL
[72] MELNIKOV, SERGEY MICHAILOVICH, DE
[73] UPFIELD EUROPE B.V., NL
[85] 2018-05-04
[86] 2016-11-03 (PCT/EP2016/076573)
[87] (WO2017/084886)
[30] EP (15195607.5) 2015-11-20

[11] **3,004,456**
[13] C
[51] **Int.Cl. B29C 70/08 (2006.01) B29B 15/10 (2006.01) B29C 70/00 (2006.01) B29C 70/06 (2006.01) B32B 27/00 (2006.01) B32B 27/12 (2006.01)**
[25] EN
[54] **STRUCTURAL COMPOSITION AND METHOD**
[54] **COMPOSITION STRUCTURALE ET PROCEDE**
[72] GREEN, GUERRY E., US
[72] KRONBERG, JAMES W., US
[73] MARHAYGUE, LLC, US
[85] 2018-05-04
[86] 2016-11-17 (PCT/US2016/062451)
[87] (WO2017/087623)
[30] US (62/256,513) 2015-11-17

[11] **3,006,940**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **DESIGN TOOLS AND METHODS FOR DESIGNING INDOOR AND OUTDOOR WAVEGUIDE SYSTEM NETWORKS**
[54] **OUTILS ET PROCEDES DE CONCEPTION DE RESEAUX A SYSTEMES DE GUIDES D'ONDES EN INTERIEUR ET EN EXTERIEUR**
[72] DEWELL, JAMES GARRETT, US
[72] HOPPER, DAVID BARTH, US
[72] JENSEN, JOSEPH CLINTON, US
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
[85] 2018-05-30
[86] 2016-11-15 (PCT/US2016/062036)
[87] (WO2017/095623)
[30] US (62/260,863) 2015-11-30

[11] **3,007,023**
[13] C
[51] **Int.Cl. E04F 15/02 (2006.01) B32B 3/10 (2006.01) B32B 3/30 (2006.01) B32B 27/00 (2006.01)**
[25] EN
[54] **FLOOR PANEL HAVING DRAINAGE PROTRUSIONS**
[54] **PANNEAU DE PLANCHER COMPORTANT DES PROTUBERANCES D'ECOULEMENT**
[72] DOHRING, DIETER, DE
[73] XYLO TECHNOLOGIES AG, CH
[85] 2018-05-31
[86] 2015-12-23 (PCT/EP2015/081137)
[87] (WO2017/108124)

[11] **3,008,697**
[13] C
[51] **Int.Cl. G02C 5/20 (2006.01) B29C 45/00 (2006.01) B29D 12/02 (2006.01) G02C 5/14 (2006.01) G02C 5/22 (2006.01)**
[25] EN
[54] **TEMPLE FOR A PAIR OF GLASSES**
[54] **BRANCHE DE LUNETTES**
[72] KUHNLEIN, FLORIAN, DE
[72] WIEGLER, MARKUS, DE
[73] UVEX ARBEITSSCHUTZ GMBH, DE
[85] 2018-06-15
[86] 2016-12-05 (PCT/EP2016/079713)
[87] (WO2017/102398)
[30] DE (10 2015 225 775.4) 2015-12-17

[11] **3,010,005**
[13] C
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/56 (2006.01)**
[25] EN
[54] **SUTURE TAPE CONSTRUCT FOR PROVIDING ANCHOR WITH NON-SLIDING SUTURE TAPE**
[54] **CONSTRUCTION DE BANDE DE SUTURE PERMETTANT DE FOURNIR UN ANCRAGE A UNE BANDE DE SUTURE NON COULISSANTE**
[72] BRESLICH, GRADY, US
[73] CONMED CORPORATION, US
[85] 2018-06-27
[86] 2016-12-27 (PCT/US2016/068664)
[87] (WO2017/117100)
[30] US (62/271,401) 2015-12-28

[11] **3,011,777**
[13] C
[51] **Int.Cl. A61K 6/62 (2020.01)**
[25] EN
[54] **DENTAL COMPOSITION COMPRISING AN INITIATOR SYSTEM FOR INITIATING RADICAL POLYMERIZATION AND CATIONIC POLYMERIZATION**
[54] **COMPOSITION DENTAIRE COMPRENANT UN SYSTEME AMORCEUR POUR AMORCER UNE POLYMERISATION RADICALAIRE ET UNE POLYMERISATION CATIONIQUE**
[72] KLEE, JOACHIM E., DE
[72] MAIER, MAXIMILIAN, DE
[72] FIK, CHRISTOPH P., CH
[72] LALEVEE, JACQUES, FR
[72] FOUASSIER, JEAN PIERRE, FR
[72] MORLET-SAVARY, FABRICE, FR
[72] DIETLIN, CELINE, FR
[72] BOUZRATI-ZERELLI, MARIEM, FR
[73] DENTSPLY DETREY GMBH, DE
[85] 2018-07-18
[86] 2017-04-07 (PCT/EP2017/058452)
[87] (WO2017/178383)
[30] EP (16164674.0) 2016-04-11

[11] **3,011,979**
[13] C
[51] **Int.Cl. F16L 23/06 (2006.01) F16L 37/18 (2006.01)**
[25] EN
[54] **CAM-TYPE SANITARY CLAMP**
[54] **PINCE SANITAIRE DE TYPE A CAME**
[72] FLOYD, MICHAEL G., US
[73] FLOYD, MICHAEL G., US
[85] 2018-07-18
[86] 2016-12-08 (PCT/US2016/065682)
[87] (WO2017/116650)
[30] US (62/273,292) 2015-12-30
[30] US (15/359,347) 2016-11-22

[11] **3,012,621**
[13] C
[51] **Int.Cl. F16B 37/14 (2006.01) B64C 1/12 (2006.01) B64C 3/26 (2006.01) B64D 45/02 (2006.01)**
[25] EN
[54] **RAPID INSTALLATION THERMOPLASTIC EME PROTECTION CAP**
[54] **CAPUCHON DE PROTECTION EME THERMOPLASTIQUE A INSTALLATION RAPIDE**
[72] STEVENS, BART, US
[72] MULLIGAN, BRANDON, US
[72] BOOTH, BRANDON D., US
[72] COWAN, DANIEL J., US
[73] THE BOEING COMPANY, US
[86] (3012621)
[87] (3012621)
[22] 2018-07-26
[30] US (15/718,618) 2017-09-28

[11] **3,014,563**
[13] C
[51] **Int.Cl. C12N 15/82 (2006.01) A01G 13/00 (2006.01) A01H 5/00 (2018.01)**
[25] EN
[54] **USE OF HERBICIDE-TOLERANT PROTEIN**
[54] **UTILISATION DE PROTEINE TOLERANT UN HERBICIDE**
[72] XIE, XIANGTING, CN
[72] TAO, QING, CN
[72] PANG, JIE, CN
[72] DING, DERONG, CN
[72] BAO, XIAOMING, CN
[73] BEIJING DABEINONG BIOTECHNOLOGY CO., LTD., CN
[85] 2018-08-10
[86] 2016-12-02 (PCT/CN2016/108409)
[87] (WO2017/161914)
[30] CN (201610165061.2) 2016-03-22

[11] **3,015,649**
[13] C
[51] **Int.Cl. D21H 21/14 (2006.01)**
[25] EN
[54] **A SOFTENER COMPOSITION**
[54] **COMPOSITION D'ADOUCISSANT**
[72] LU, CHEN, US
[72] CAMPBELL, CLAYTON, US
[72] RABIDEAU, JENNA SUE, US
[73] KEMIRA OYJ, FI
[85] 2018-08-23
[86] 2016-02-29 (PCT/US2016/019999)
[87] (WO2017/151084)

[11] **3,015,724**
[13] C
[51] **Int.Cl. G01F 1/84 (2006.01)**
[25] EN
[54] **METER ELECTRONICS FOR TWO OR MORE METER ASSEMBLIES**
[54] **ELECTRONIQUE DE MESURE POUR DEUX OU PLUS DE DEUX ENSEMBLES DE MESURE**
[72] SHEN, KAI, CN
[72] MAGINNIS, RICHARD L., US
[72] GAO, FENGCHUAN, CN
[72] LIU, HUAN, CN
[73] MICRO MOTION, INC., US
[85] 2018-08-24
[86] 2016-02-26 (PCT/CN2016/074626)
[87] (WO2017/143577)

---

[11] **3,016,071**
[13] C
[51] **Int.Cl. C04B 35/626 (2006.01) C04B 35/50 (2006.01) C09K 11/80 (2006.01) G01T 1/164 (2006.01) G01T 1/202 (2006.01) A61B 6/03 (2006.01)**
[25] EN
[54] **TRANSPARENT CERAMIC GARNET SCINTILLATOR DETECTOR FOR POSITRON EMISSION TOMOGRAPHY**
[54] **DETECTEUR A SCINTILLATEUR EN GRENAT CERAMIQUE TRANSPARENT POUR TOMOGRAPHIE PAR EMISSION DE POSITRONS**
[72] CHEREPY, NERINE, US
[72] PAYNE, STEPHEN, US
[72] SEELEY, ZACHARY, US
[72] COHEN, PETER, US
[72] ANDREACO, MARK, US
[72] SCHMAND, MATTHIAS, US
[73] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[73] SIEMENS MEDICAL SOLUTIONS USA, INC., US
[85] 2018-08-28
[86] 2017-03-08 (PCT/US2017/021384)
[87] (WO2017/156143)
[30] US (15/064,509) 2016-03-08

---

[11] **3,017,265**
[13] C
[51] **Int.Cl. C12Q 1/70 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTION OF ZIKA VIRUS**
[54] **COMPOSITIONS ET PROCEDES DE DETECTION DU VIRUS ZIKA**
[72] DUGENNY, SLAV, US
[72] FISS, ELLEN H., US
[72] FONG, JEFFERY, US
[72] HEIL, MARINTHA, US
[72] SPIER, EUGENE, US
[72] SUN, JINGTAO, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-09-10
[86] 2017-03-10 (PCT/EP2017/055650)
[87] (WO2017/153566)
[30] US (62/306,803) 2016-03-11
[30] US (62/327,688) 2016-04-26

---

[11] **3,017,620**
[13] C
[51] **Int.Cl. E04G 1/18 (2006.01) E04G 1/00 (2006.01) E04G 1/36 (2006.01)**
[25] EN
[54] **METHOD FOR CONSTRUCTION OF AN INDUSTRIAL PLANT**
[54] **PROCEDE DE CONSTRUCTION D'UNE INSTALLATION INDUSTRIELLE**
[72] GRASSA, GIOVANNI, CA
[72] LAWRENCE, DAVE, CA
[72] SKELTON, ROD, CA
[73] PERI GMBH, DE
[85] 2018-09-13
[86] 2017-02-23 (PCT/EP2017/054170)
[87] (WO2017/157632)
[30] US (15/070,460) 2016-03-15

---

[11] **3,018,376**
[13] C
[51] **Int.Cl. F02M 35/024 (2006.01) B01D 46/02 (2006.01) B01D 46/52 (2006.01)**
[25] EN
[54] **REUSABLE AIR FILTER SYSTEM AND METHOD**
[54] **SYSTEME DE FILTRE A AIR REUTILISABLE ET PROCEDE CORRESPONDANT**
[72] WALL, JERE JAMES, US
[72] WILLIAMS, STEVE, US
[73] K&N ENGINEERING, INC., US
[85] 2018-09-19
[86] 2017-03-24 (PCT/US2017/024113)
[87] (WO2017/165829)
[30] US (62/312,930) 2016-03-24
[30] US (15/469,198) 2017-03-24

---

[11] **3,021,126**
[13] C
[51] **Int.Cl. B62K 21/12 (2006.01)**
[25] EN
[54] **BICYCLE NAVIGATION METHOD AND BICYCLE HANDLEBAR**
[54] **PROCEDE DE NAVIGATION A VELO ET GUIDON DE VELO**
[72] SAVOURE, ROMAIN, FR
[72] SMITH, JOHNNY, FR
[72] REGNIER, PIERRE, FR
[73] VEL'CO, FR
[85] 2018-10-15
[86] 2017-06-02 (PCT/EP2017/063520)
[87] (WO2017/207782)
[30] FR (1655071) 2016-06-03

---

[11] **3,021,333**
[13] C
[51] **Int.Cl. H04L 12/66 (2006.01)**
[25] EN
[54] **CALLER QUEUE PROCESS AND SYSTEM TO MANAGE INCOMING VIDEO CALLERS**
[54] **PROCEDE ET SYSTEME DE FILE D'ATTENTE D'APPELANTS PERMETTANT DE GERER DES APPELANTS VIDEO ENTRANTS**
[72] WOLZIEN, THOMAS, US
[72] THALER, LAURENCE, US
[72] MAISEY, ALEXANDER, US
[72] MILNE, WILLIAM, US
[72] PORPIGLIA, TOM, US
[73] THE VIDEO CALL CENTER, LLC, US
[85] 2018-10-17
[86] 2017-04-18 (PCT/US2017/028163)
[87] (WO2017/184620)
[30] US (62/324,314) 2016-04-18
[30] US (62/370,238) 2016-08-02

---

[11] **3,021,347**
[13] C
[51] **Int.Cl. E02D 29/14 (2006.01) E02D 29/12 (2006.01) F16M 13/02 (2006.01) H02G 9/02 (2006.01)**
[25] EN
[54] **UTILITY ENCLOSURE APRON**
[54] **TABLIER D'ENCEINTE D'UTILITE**
[72] ISAACSON, GREGORY GLENN, US
[72] FISHER, MICHAEL EDWARD, US
[72] HUFFSTETLER, JEFFERY SCOTT, US
[73] HUBBELL INCORPORATED, US
[85] 2018-10-17
[86] 2017-05-23 (PCT/US2017/034073)
[87] (WO2017/205426)
[30] US (62/340,935) 2016-05-24

[11] **3,021,480**
[13] C
[51] **Int.Cl. G01N 21/89 (2006.01) G01B 11/30 (2006.01) G01N 21/956 (2006.01)**
[25] EN
[54] **AN IMAGE CAPTURING SYSTEM AND A METHOD FOR DETERMINING THE POSITION OF AN EMBOSSED STRUCTURE ON A SHEET ELEMENT**
[54] **SYSTEME DE CAPTURE D'IMAGE ET PROCEDE DE DETERMINATION DE LA POSITION D'UNE STRUCTURE GAUFREE SUR UN ELEMENT DE FEUILLE**
[72] RICHARD, MATTHIEU, FR
[72] PILLOUD, FRANCIS, CH
[73] BOBST MEX SA, CH
[85] 2018-10-18
[86] 2017-05-17 (PCT/EP2017/025131)
[87] (WO2017/207112)
[30] EP (16172028.9) 2016-05-30

[11] **3,023,039**
[13] C
[51] **Int.Cl. H04B 1/08 (2006.01) H04M 9/00 (2006.01) H04R 1/02 (2006.01) H04R 9/06 (2006.01)**
[25] EN
[54] **SPEECH STATION FOR AN INTERCOM NETWORK**
[54] **POSTE VOCAL DESTINE A UN RESEAU D'INTERCOM**
[72] SIEBEN, HUBERT, DE
[72] DODSON, JAKE, DE
[72] RIEDEL, THOMAS, DE
[73] RIEDEL COMMUNICATIONS INTERNATIONAL GMBH, DE
[86] (3023039)
[87] (3023039)
[22] 2018-11-01
[30] DE (10 2017 128 115.0) 2017-11-28
[30] DE (10 2018 103 272.2) 2018-02-14

[11] **3,023,082**
[13] C
[51] **Int.Cl. E21B 47/135 (2012.01) H04B 10/25 (2013.01)**
[25] EN
[54] **A WELLBORE FIBRE OPTICAL COMMUNICATION SYSTEM**
[54] **SYSTEME DE COMMUNICATION DE PUITS DE FORAGE A FIBRE OPTIQUE**
[72] HELLEVANG, JON ODDVAR, NO
[72] THOMAS, PETER JAMES, NO
[72] LIE, TERJE LENART, NO
[72] FRANTZEN, DAG-HAKON, NO
[72] ANDERSEN, GUNNAR, NO
[73] BERGEN TECHNOLOGY CENTER AS, NO
[85] 2018-11-02
[86] 2016-03-31 (PCT/NO2016/050058)
[87] (WO2017/018885)
[30] GB (1513311.9) 2015-07-29

[11] **3,026,672**
[13] C
[51] **Int.Cl. G01F 11/26 (2006.01) A47J 47/01 (2006.01) B65D 47/06 (2006.01) B65D 51/24 (2006.01)**
[25] EN
[54] **FLUID METERING AND DISPENSING DEVICE**
[54] **DISPOSITIF DE DOSAGE ET DISTRIBUTION DE FLUIDE**
[72] SIMARD, JO-ANNE J.-A. S., CA
[73] SIMARD, JO-ANNE J.-A. S., CA
[86] (3026672)
[87] (3026672)
[22] 2018-12-06
[30] GB (1720561.8) 2017-12-10

[11] **3,026,798**
[13] C
[51] **Int.Cl. C07K 7/08 (2006.01) C22B 34/34 (2006.01)**
[25] EN
[54] **A NOVEL PEPTIDE AND USE THEREOF**
[54] **NOUVEAU PEPTIDE ET UTILISATION CORRESPONDANTE**
[72] YAMASHITA, MITSUO, JP
[72] MIURA, AKIRA, JP
[73] SHIBAURA INSTITUTE OF TECHNOLOGY, JP
[73] JX NIPPON MINING & METALS CORPORATION, JP
[85] 2018-12-06
[86] 2017-06-06 (PCT/JP2017/021027)
[87] (WO2017/213153)
[30] JP (2016-112986) 2016-06-06

[11] **3,027,209**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 31/14 (2006.01) A61P 31/18 (2006.01) A61P 31/20 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) G01N 33/577 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **ANTI-PD-L1 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-PD-L1 ET LEURS UTILISATIONS**
[72] FANG, LEI, CN
[72] WANG, ZHENGYI, CN
[72] GUO, BINGSHI, CN
[72] ZANG, JINGWU, CN
[73] I-MAB BIOPHARMA US LIMITED, US
[85] 2018-12-10
[86] 2017-06-13 (PCT/CN2017/088033)
[87] (WO2017/215590)
[30] CN (201610414226.5) 2016-06-13
[30] CN (PCT/CN2017/072566) 2017-01-25

[11] **3,028,176**
[13] C
[51] **Int.Cl. G06F 1/20 (2006.01) F24F 11/72 (2018.01) F24F 5/00 (2006.01) F24F 13/06 (2006.01) F24F 13/10 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **MODULAR DATA CENTER COOLING**
[54] **REFROIDISSEMENT MODULAIRE DE CENTRE DE DONNEES**
[72] CHAPEL, STEVE, US
[72] PACHOUD, WILLIAM, US
[73] ZONIT STRUCTURED SOLUTIONS, LLC, US
[86] (3028176)
[87] (3028176)
[22] 2014-03-17
[62] 2,907,390
[30] US (61/799,698) 2013-03-15

[11] **3,030,135**
[13] C
[51] **Int.Cl. H04W 4/50 (2018.01) H04W 4/44 (2018.01) H04W 76/15 (2018.01) H04L 67/12 (2022.01)**
[25] EN
[54] **AUTOMATIC SECURE DATA TRANSFER WITH A MOTOR VEHICLE**
[54] **TRANSFERT AUTOMATIQUE DE DONNEES SECURISEES AVEC UN VEHICULE AUTOMOBILE**
[72] MOINZADEH, KAMYAR, US
[72] LEUNG, KEEFE, US
[72] BELL, JACK WILLIAM, US
[73] AIRBIQUITY INC., US
[85] 2019-01-07
[86] 2017-06-13 (PCT/US2017/037342)
[87] (WO2018/009313)
[30] US (62/360,200) 2016-07-08

[11] **3,031,131**
[13] C
[51] **Int.Cl. B60R 25/00 (2013.01) B60R 25/102 (2013.01) B60R 25/30 (2013.01) B60R 25/34 (2013.01) B60R 25/04 (2013.01)**
[25] EN
[54] **VEHICLE SECURITY SYSTEM**
[54] **SYSTEME DE SECURITE DE VEHICULE**
[72] KOENIG, DAVID J., US
[72] SECOR, NATHAN J., US
[72] THARALDSON, JOSEPH A., US
[73] POLARIS INDUSTRIES INC., US
[86] (3031131)
[87] (3031131)
[22] 2009-10-09
[62] 2,952,447
[30] US (61/104436) 2008-10-10
[30] US (12/475531) 2009-05-31

[11] **3,033,693**
[13] C
[51] **Int.Cl. C02F 3/28 (2006.01) B01D 19/00 (2006.01) C02F 1/20 (2006.01) C02F 1/38 (2006.01)**
[25] EN
[54] **DEGASSING DEVICE FOR ANAEROBIC PURIFICATION DEVICE**
[54] **DISPOSITIF DE DEGAZAGE DESTINE A UN DISPOSITIF DE PURIFICATION ANAEROBIE**
[72] DE BOER, JELLE HENDRIK, NL
[72] VALLINGA, ANTONIUS BERNARDUS, NL
[72] GROOT KORMELINCK, VERONICA HENRIKA JOHANNA, NL
[72] HABETS, LEONARD HUBERTUS ALPHONSUS, NL
[72] VOGELAAR, JACOB CORNELIS THEODORUS, NL
[73] PAQUES I.P. B.V., NL
[85] 2019-02-12
[86] 2017-09-04 (PCT/EP2017/072123)
[87] (WO2018/042039)
[30] EP (16187135.5) 2016-09-02

[11] **3,034,528**
[13] C
[51] **Int.Cl. G03F 1/36 (2012.01) G03F 1/70 (2012.01) G03F 1/76 (2012.01) G03F 7/20 (2006.01)**
[25] EN
[54] **COMPENSATING DEPOSITION NON-UNIFORMITIES IN CIRCUIT ELEMENTS**
[54] **COMPENSATION DE NON-UNIFORMITES DE DEPOT DANS DES ELEMENTS DE CIRCUIT**
[72] BURKETT, BRIAN JAMES, US
[72] BARENDS, RAMI, US
[73] GOOGLE LLC, US
[85] 2019-02-20
[86] 2017-12-01 (PCT/US2017/064182)
[87] (WO2018/125513)
[30] US (62/440,566) 2016-12-30

[11] **3,034,550**
[13] C
[51] **Int.Cl. C12N 1/20 (2006.01)**
[25] EN
[54] **FATTY ACID ESTERS AGAINST INFECTIONS IN FERMENTATIONS**
[54] **ESTERS D'ACIDES GRAS PERMETTANT DE LUTTER CONTRE DES INFECTIONS DANS DES FERMENTATIONS**
[72] OTTO, ROEL, NL
[72] RAMIREZ, ALDANA MARIEL, NL
[72] EELDERINK, JENNY, NL
[73] PURAC BIOCHEM BV, NL
[85] 2019-02-21
[86] 2017-09-05 (PCT/EP2017/072249)
[87] (WO2018/046500)
[30] EP (16187414.4) 2016-09-06

[11] **3,035,259**
[13] C
[51] **Int.Cl. G06Q 30/08 (2012.01) G06Q 10/06 (2012.01) G06Q 10/08 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **IDENTIFYING MATCHED REQUESTORS AND PROVIDERS**
[54] **IDENTIFICATION DE DEMANDEURS ET DE FOURNISSEURS MIS EN CORRESPONDANCE**
[72] EYLER, ETHAN DUNCAN, US
[72] MATTHIESEN, TAGGART, US
[72] MAC DONELL, MARTIN CONTE, US
[72] MCMILLIN, JESSE JONES, US
[72] BRANNSTROM, SEBASTIAN ROLF JOHAN, US
[72] KUH, CHRISTOPHER, US
[72] LEE, SANG IK, US
[72] BARRETT, NICHOLAS ROBERT, US
[72] MURPHY, SEAN PATRICK, US
[72] LOWE, EDWARD STEPHEN, US
[73] LYFT, INC., US
[85] 2019-02-26
[86] 2017-09-29 (PCT/US2017/054409)
[87] (WO2018/064532)
[30] US (62/402,817) 2016-09-30
[30] US (15/396,417) 2016-12-30

[11] **3,035,367**
[13] C
[51] **Int.Cl. B65D 88/34 (2006.01)**
[25] EN
[54] **IMPROVED WATER STORAGE LID**
[54] **COUVERCLE DE STOCKAGE D'EAU AMELIORE**
[72] THURSTON, RICHARD, US
[72] DAVIS, RICHARD, US
[73] ASSET GUARD PRODUCTS INC., US
[86] (3035367)
[87] (3035367)
[22] 2019-03-01
[30] US (62/637,801) 2018-03-02

[11] **3,036,796**
[13] C
[51] **Int.Cl. G01V 1/30 (2006.01) G01V 1/36 (2006.01) G01V 1/50 (2006.01)**
[25] EN
[54] **AUTOMATED MISTIE ANALYSIS AND CORRECTION ACROSS TWO-DIMENSIONAL ("2D") SEISMIC SURVEYS**
[54] **ANALYSE ET CORRECTION AUTOMATISEES DE MESAPPARIEMENTS SUR DES RELEVES SISMIQUES BIDIMENSIONNELS ("2D")**
[72] NGUYEN, NAM XUAN, US
[72] MAY, WILLIAM JOHN, CA
[72] HEINRICHS, EUGENE CAREY, CA
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2019-03-13
[86] 2017-08-22 (PCT/US2017/047952)
[87] (WO2018/093432)
[30] US (62/424,333) 2016-11-18

[11] **3,037,294**
[13] C
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 30/00 (2012.01) G08G 1/09 (2006.01)**
[25] EN
[54] **ELECTRONIC DISPLAY SYSTEMS CONNECTED TO VEHICLES AND VEHICLE-BASED SYSTEMS**
[54] **SYSTEMES D'AFFICHAGE ELECTRONIQUE CONNECTES A DES VEHICULES ET SYSTEMES EMBARQUES DANS UN VEHICULE**
[72] WASSERMAN, ROBERT, US
[73] ALLSTATE INSURANCE COMPANY, US
[85] 2019-03-18
[86] 2017-09-15 (PCT/US2017/051762)
[87] (WO2018/053252)
[30] US (15/267,771) 2016-09-16

[11] **3,037,398**
[13] C
[51] **Int.Cl. H04N 19/55 (2014.01) H04N 19/563 (2014.01) H04N 19/597 (2014.01)**
[25] EN
[54] **APPARATUSES, METHODS, AND COMPUTER-READABLE MEDIUM FOR ENCODING AND DECODING A VIDEO SIGNAL**
[54] **APPAREILS, METHODES ET SUPPORT LISIBLE PAR ORDINATEUR POUR CODER ET DECODER UN SIGNAL VIDEO**
[72] ZHAO, ZHIJIE, DE
[72] SAUER, JOHANNES, DE
[72] WIEN, MATHIAS, DE
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-03-19
[86] 2016-09-30 (PCT/EP2016/001625)
[87] (WO2018/059654)

[11] **3,038,030**
[13] C
[51] **Int.Cl. D04H 1/4234 (2012.01) B01D 39/20 (2006.01) D21H 13/48 (2006.01)**
[25] EN
[54] **COPPER FIBER NONWOVEN FABRIC**
[54] **ETOFFE NON TISSEE EN FIBRES DE CUIVRE**
[72] OKUMURA, KATSUYA, JP
[72] TSUCHIDA, MINORU, JP
[72] TSUDA, HAJIME, JP
[72] MURAMATSU, DAISUKE, JP
[73] TOMOEGAWA CO., LTD., JP
[85] 2019-03-22
[86] 2017-09-22 (PCT/JP2017/034341)
[87] (WO2018/056405)
[30] JP (2016-187232) 2016-09-26

[11] **3,038,104**
[13] C
[51] **Int.Cl. G01D 21/00 (2006.01)**
[25] EN
[54] **SENSING AND OPERATION OF DEVICES IN VISCOUS FLOW**
[54] **DETECTION ET FONCTIONNEMENT DE DISPOSITIFS DANS UN ECOULEMENT LAMINAIRE**
[72] HOGG, TAD, US
[73] CBN NANO TECHNOLOGIES INC., CA
[86] (3038104)
[87] (3038104)
[22] 2019-03-26

[11] **3,038,908**
[13] C
[51] **Int.Cl. A61C 13/00 (2006.01) A61C 5/77 (2017.01) A61K 6/833 (2020.01) A61C 13/083 (2006.01) A61C 13/09 (2006.01)**
[25] EN
[54] **METHOD FOR THE PRODUCTION OF A BLANK, BLANK AND A DENTAL RESTORATION**
[54] **PROCEDE DE FABRICATION D'UNE EBAUCHE, EBAUCHE ET RESTAURATION DENTAIRE**
[72] VOELKL, LOTHAR, DE
[72] FECHER, STEFAN, DE
[72] VOLLMANN, MARKUS, DE
[72] WIESNER, CARSTEN, DE
[73] DENTSPLY SIRONA INC., US
[73] DEGUDENT GMBH, DE
[85] 2019-03-29
[86] 2017-10-18 (PCT/EP2017/076530)
[87] (WO2018/073273)
[30] DE (10 2016 119 934.6) 2016-10-19

[11] **3,039,086**
[13] C
[51] **Int.Cl. B65G 69/28 (2006.01)**
[25] EN
[54] **PEDESTRIAN-VEHICLE SAFETY SYSTEMS FOR LOADING DOCKS**
[54] **SYSTEMES DE SECURITE POUR PIETONS ET VEHICULES SUR DES QUAIS DE CHARGEMENT**
[72] MUSHYNSKI, ALAN, US
[72] SVEUM, MATTHEW, US
[73] RITE-HITE HOLDING CORPORATION, US
[85] 2019-04-01
[86] 2017-10-03 (PCT/US2017/054951)
[87] (WO2018/067576)
[30] US (15/286,177) 2016-10-05

[11] **3,039,537**
[13] C
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/70 (2019.01) G06F 12/00 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR GENERATING AND OPERATING ON IN-MEMORY DATASETS**
[54] **TECHNIQUES DE GENERATION ET DE FONCTIONNEMENT D'ENSEMBLES DE DONNEES EN MEMOIRE**
[72] KOSZEWNIK, JOHN ANDREW, US
[73] NETFLIX, INC., US
[85] 2019-04-04
[86] 2017-10-05 (PCT/US2017/055401)
[87] (WO2018/067858)
[30] US (62/405,157) 2016-10-06
[30] US (62/425,767) 2016-11-23
[30] US (62/428,640) 2016-12-01
[30] US (62/432,048) 2016-12-09
[30] US (15/725,261) 2017-10-04

[11] **3,040,794**
[13] C
[51] **Int.Cl. G06F 9/30 (2018.01) G06F 9/312 (2018.01)**
[25] EN
[54] **LOAD-STORE INSTRUCTION**
[54] **INSTRUCTIONS DE CHARGE ET DE STOCKAGE**
[72] ALEXANDER, ALAN GRAHAM, GB
[72] KNOWLES, SIMON CHRISTIAN, GB
[72] GORE, MRUDULA, GB
[73] GRAPHCORE LIMITED, GB
[86] (3040794)
[87] (3040794)
[22] 2019-04-23
[30] GB (1821300.9) 2018-12-31

[11] **3,042,459**
[13] C
[51] **Int.Cl. A61K 31/683 (2006.01) A61K 31/506 (2006.01)**
[25] EN
[54] **PROTECTIVE EFFECT OF DMPC, DMPG, DMPC/DMPG, LYSOPG AND LYSOPC AGAINST DRUGS THAT CAUSE CHANNELOPATHIES**
[54] **EFFET PROTECTEUR DE DMPC, DMPG, DMPC/DMPG, LYSOPG ET LYSOPC CONTRE DES MEDICAMENTS PROVOQUANT DES CANALOPATHIES**
[72] HELSON, LAWRENCE, US
[73] SIGNPATH PHARMA, INC., US
[85] 2019-04-30
[86] 2017-11-09 (PCT/US2017/060936)
[87] (WO2018/089687)
[30] US (15/347,381) 2016-11-09

[11] **3,043,056**
[13] C
[51] **Int.Cl. G01L 5/00 (2006.01) A01B 29/06 (2006.01) A01B 61/00 (2006.01) A01C 5/06 (2006.01) G01V 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING FORCES EXERTED ON ROLLING GROUND ENGAGING COMPONENTS OF AN AGRICULTURAL IMPLEMENT BASED ON AN APPLIED BRAKING FORCE**
[54] **SYSTEME ET PROCEDE PERMETTANT DE DETERMINER LES FORCES EXERCEES SUR LES COMPOSANTS D'UN OUTIL AGRICOLE EN CONTACT AVEC LE SOL ROULANT, EN FONCTION DE LA FORCE DE FREINAGE APPLIQUEE**
[72] STANHOPE, TREVOR P., US
[73] CNH INDUSTRIAL AMERICA LLC, US
[86] (3043056)
[87] (3043056)
[22] 2019-05-13
[30] US (16/113,108) 2018-08-27

[11] **3,043,517**
[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **TERMINAL DEVICE SCHEDULING METHOD, NETWORK DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE DE PLANIFICATION DE DISPOSITIF TERMINAL, DISPOSITIF RESEAU, ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[72] YANG, NING, CN
[72] XU, HUA, CA
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-05-10
[86] 2016-11-11 (PCT/CN2016/105471)
[87] (WO2018/086064)

[11] **3,045,273**
[13] C
[51] **Int.Cl. F16L 55/105 (2006.01) F16L 55/16 (2006.01) F16L 55/168 (2006.01) F16L 55/18 (2006.01)**
[25] EN
[54] **AN ARRANGEMENT FOR SEPARATING A CONNECTION BETWEEN TWO PRESSURIZED FLANGED TUBE SECTIONS**
[54] **AGENCEMENT DE SEPARATION DE RACCORDEMENT ENTRE DEUX SECTIONS DE TUBE A BRIDE SOUS PRESSION**
[72] AAMODT, KJETIL, NO
[73] IK-NORWAY AS, NO
[85] 2019-05-28
[86] 2017-08-18 (PCT/NO2017/050206)
[87] (WO2018/101835)
[30] NO (20161899) 2016-11-29

[11] **3,045,808**
[13] C
[51] **Int.Cl. C07K 14/705 (2006.01) A61K 38/17 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **ACTIVIN-ACTRIIA ANTAGONISTS AND USES FOR PROMOTING BONE GROWTH**
[54] **ANTAGONISTES DE L'ACTIVINE-ACTRIIA ET UTILISATIONS POUR ACTIVER LA CROISSANCE OSSEUSE**
[72] KNOPF, JOHN, US
[72] SEEHRA, JASBIR, US
[73] ACCELERON PHARMA, INC., US
[86] (3045808)
[87] (3045808)
[22] 2006-11-22
[62] 2,631,013
[30] US (60/739,462) 2005-11-23
[30] US (60/783,322) 2006-03-17
[30] US (60/844,855) 2006-09-15

[11] **3,045,936**
[13] C
[51] **Int.Cl. B60J 5/10 (2006.01)**
[25] EN
[54] **REAR DOOR OF BODIES OF LORRIES OR LORRY TRAILERS**
[54] **PORTE ARRIERE DE CARROSSERIES DE POIDS LOURDS OU DE REMORQUES DE POIDS LOURDS**
[72] SCHUH, RAINER KARL, AT
[73] SCHUH, RAINER KARL, AT
[85] 2019-06-03
[86] 2016-12-22 (PCT/EP2016/082364)
[87] (WO2018/113971)

[11] **3,046,141**
[13] C
[51] **Int.Cl. A61B 5/291 (2021.01) A61B 5/00 (2006.01)**
[25] EN
[54] **GENERIC EAR DEVICE WITH ELECTRODES**
[54] **DISPOSITIF D'OREILLE GENERIQUE A ELECTRODES**
[72] ANDERSEN, MIKAEL, DK
[72] RANK, MIKE LIND, DK
[72] TOFT, HANS OLAF, DK
[72] KIDMOSE, PREBEN, DK
[72] KAPPEL, SIMON LIND, DK
[73] T & W ENGINEERING A/S, DK
[85] 2019-06-05
[86] 2016-12-09 (PCT/EP2016/080447)
[87] (WO2018/103861)

[11] **3,046,169**
[13] C
[51] **Int.Cl. C12N 5/0775 (2010.01)**
[25] EN
[54] **MAMMALIAN CELL CRYOPRESERVATION LIQUID**
[54] **LIQUIDE DE CRYOCONSERVATION DE CELLULES DE MAMMIFERE**
[72] NISHIMURA, MASUHIRO, JP
[72] WATANABE, NATSUKI, JP
[72] FUJITA, YASUTAKA, JP
[72] WADA, TAMAKI, JP
[73] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
[85] 2019-06-05
[86] 2017-11-08 (PCT/JP2017/040272)
[87] (WO2018/110159)
[30] JP (2016-242200) 2016-12-14

[11] **3,046,350**
[13] C
[51] **Int.Cl. A61K 31/22 (2006.01) A61P 25/06 (2006.01)**
[25] EN
[54] **GLYCERYL 3-HYDROXYBUTYRATES FOR MIGRAINE SYMPTOM MANAGEMENT**
[54] **3-HYDROXYBUTYRATES GLYCERIDES POUR LA GESTION DES SYMPTOMES DE LA MIGRAINE**
[72] HASHIM, SAMI, US
[73] NEUROENERGY VENTURES, INC., US
[85] 2019-06-06
[86] 2017-11-30 (PCT/US2017/063832)
[87] (WO2018/118369)
[30] US (15/389,828) 2016-12-23

[11] **3,048,647**
[13] C
[51] **Int.Cl. G16Z 99/00 (2019.01) A63F 13/25 (2014.01) A63F 13/30 (2014.01) G02B 27/01 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUGMENTED AND VIRTUAL REALITY**
[54] **SYSTEME ET PROCEDE POUR REALITE AUGMENTEE ET VIRTUELLE**
[72] MILLER, SAMUEL A., US
[73] MAGIC LEAP, INC., US
[86] (3048647)
[87] (3048647)
[22] 2012-10-29
[62] 2,853,787
[30] US (61/552,941) 2011-10-28

[11] **3,048,822**
[13] C
[51] **Int.Cl. C08L 9/04 (2006.01) B29C 41/14 (2006.01) C08J 3/24 (2006.01) C08J 5/02 (2006.01) C08K 5/1515 (2006.01)**
[25] EN
[54] **DIP MOLDING COMPOSTION, METHOD OF PRODUCING GLOVE, AND GLOVE**
[54] **COMPOSITION DE MOULAGE PAR TREMPAGE, METHODE DE PRODUCTION D'UN GANT ET GANT**
[72] ENOMOTO, NORIHIDE, JP
[72] OGAWA, TAICHI, JP
[72] SHIBATA, KANAME, JP
[72] SHIBASAKI, JUNJI, JP
[73] MIDORI ANZEN CO., LTD., JP
[85] 2019-07-08
[86] 2019-03-27 (PCT/JP2019/013455)
[87] (WO2019/194056)
[30] JP (2018-074240) 2018-04-06
[30] JP (2018-074929) 2018-04-09

[11] **3,049,702**
[13] C
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TRANSMITTING REFERENCE SIGNAL**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION D'UN SIGNAL DE REFERENCE**
[72] LIU, FENGWEI, CN
[72] CHEN, LEI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-07-09
[86] 2018-01-09 (PCT/CN2018/071925)
[87] (WO2018/127202)
[30] CN (201710014450.X) 2017-01-09

---

[11] **3,050,669**
[13] C
[51] **Int.Cl. B65D 50/04 (2006.01) B65D 41/00 (2006.01)**
[25] EN
[54] **CHILD-RESISTANT CONTAINERS HAVING EMBEDDED COMPRESSION REGION**
[54] **RECIPIENTS POUVANT PRESENTER UN DANGER POUR LES ENFANTS AYANT UNE ZONE DE COMPRESSION INTEGREE**
[72] HWANG, STEVEN, US
[73] KOLETO INNOVATIONS, LLC, US
[86] (3050669)
[87] (3050669)
[22] 2019-07-25
[30] US (62/776,881) 2018-12-07
[30] US (62/819,169) 2019-03-15
[30] US (62/819,283) 2019-03-15
[30] US (16/517,376) 2019-07-19

---

[11] **3,052,516**
[13] C
[51] **Int.Cl. C07D 209/48 (2006.01) A61K 31/4035 (2006.01) A61K 31/4439 (2006.01) A61P 37/02 (2006.01) C07D 209/49 (2006.01) C07D 209/56 (2006.01) C07D 401/08 (2006.01)**
[25] EN
[54] **AN ISOINDOLINE DERIVATIVE, A PHARMACEUTICAL COMPOSITION AND USE THEREOF**
[54] **DERIVE D'ISOINDOLINE, COMPOSITION PHARMACEUTIQUE ET UTILISATION CONNEXE**
[72] LEE, WEN-CHERNG, CN
[72] LIAO, BAISONG, CN
[72] ZHANG, LEI, CN
[73] KANGPU BIOPHARMACEUTICALS, LTD., CN
[85] 2019-08-02
[86] 2018-02-27 (PCT/CN2018/077324)
[87] (WO2018/157779)
[30] CN (201710112364.2) 2017-02-28
[30] CN (201710725987.7) 2017-08-22

---

[11] **3,054,367**
[13] C
[51] **Int.Cl. A61F 7/02 (2006.01) A61D 9/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC DEVICE FOR HEATING AND ICING BODY PARTS**
[54] **DISPOSITIF THERAPEUTIQUE PERMETTANT DE CHAUFFER ET DE GIVRER DES PARTIES DE CORPS**
[72] ZIMMERMAN, CARY D., US
[73] Z DESIGN, INC., US
[85] 2019-08-22
[86] 2018-02-22 (PCT/US2018/019165)
[87] (WO2018/156723)
[30] US (62/463,278) 2017-02-24

---

[11] **3,054,390**
[13] C
[51] **Int.Cl. H02J 15/00 (2006.01) H01M 50/131 (2021.01) G08C 17/02 (2006.01) H01M 10/48 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **POWER SUPPLY SYSTEM**
[54] **SYSTEME D'ALIMENTATION ELECTRIQUE**
[72] MOEN, STIAN SKORSTAD, NO
[72] SKJETNE, ARVE, NO
[73] SIEMENS ENERGY AS, NO
[85] 2019-08-22
[86] 2018-03-29 (PCT/EP2018/058145)
[87] (WO2018/185000)
[30] GB (1705520.3) 2017-04-05
[30] GB (1705513.8) 2017-04-05

---

[11] **3,054,576**
[13] C
[51] **Int.Cl. C09K 3/10 (2006.01) C08G 77/16 (2006.01) C08G 77/26 (2006.01) C08J 9/00 (2006.01) C08L 83/04 (2006.01) C09D 183/04 (2006.01)**
[25] EN
[54] **SEALANT COMPOSITION**
[54] **COMPOSITION DE MATERIAU D'ETANCHEITE**
[72] FRENCH, MARIA S., US
[72] KASZUBSKI, GLEN J., US
[72] GERHART, MELISSA L., US
[73] PPG ARCHITECTURAL FINISHES, INC., US
[85] 2019-08-23
[86] 2018-03-01 (PCT/US2018/020429)
[87] (WO2018/160820)
[30] US (62/465,900) 2017-03-02

---

[11] **3,054,577**
[13] C
[51] **Int.Cl. B65G 33/00 (2006.01) A01D 41/06 (2006.01) A01D 41/12 (2006.01) A01F 7/04 (2006.01) A01F 12/10 (2006.01) A01F 12/22 (2006.01) A01F 12/30 (2006.01)**
[25] EN
[54] **FEEDER DEVICE**
[54] **DISPOSITIF D'ALIMENTATION**
[72] FELS, MICHAEL, AU
[73] IP MACHINERY PTY LTD, AU
[85] 2019-08-26
[86] 2017-10-21 (PCT/AU2017/051153)
[87] (WO2018/039751)
[30] AU (2017900619) 2017-02-24

[11] **3,054,685**
[13] C
[51] **Int.Cl. B03D 1/00 (2006.01) B03D 1/001 (2006.01) B03D 1/08 (2006.01) C22B 59/00 (2006.01)**
[25] EN
[54] **HIGH INTENSITY CONDITIONING PRIOR TO ENHANCED MINERAL SEPARATION PROCESS**
[54] **CONDITIONNEMENT D'INTENSITE ELEVEE AVANT UN PROCEDE DE SEPARATION MINERALE ASSISTEE**
[72] ROTHMAN, PAUL J., US
[72] JORDENS, ADAM MICHAEL, US
[72] AMELUNXEN, PETER A., NL
[73] CIDRA CORPORATE SERVICES LLC, US
[85] 2019-08-26
[86] 2018-02-28 (PCT/US2018/020144)
[87] (WO2018/160648)
[30] US (62/464,592) 2017-02-28
[30] US (62/465,231) 2017-03-01

[11] **3,055,482**
[13] C
[51] **Int.Cl. A61M 31/00 (2006.01) A61M 37/00 (2006.01) A61M 39/08 (2006.01)**
[25] EN
[54] **DEVICE FOR TEMPORARY LOCAL APPLICATION OF FLUIDS**
[54] **DISPOSITIF D`APPLICATION LOCALE TEMPORAIRE DE FLUIDES**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE
[86] (3055482)
[87] (3055482)
[22] 2019-09-16
[30] DE (10 2018 218 429.1) 2018-10-29

[11] **3,055,487**
[13] C
[51] **Int.Cl. G01S 5/06 (2006.01) G01S 1/08 (2006.01) G08G 5/04 (2006.01) H04B 7/26 (2006.01)**
[25] EN
[54] **KINEMATICS-AUGMENTED POSITION VALIDATION**
[54] **VALIDATION DE POSITION A CINEMATIQUE AUGMENTEE**
[72] GARCIA, MICHAEL A., US
[72] DOLAN, JOHN, US
[73] AIREON LLC, US
[86] (3055487)
[87] (3055487)
[22] 2019-09-16
[30] US (16/135,558) 2018-09-19

[11] **3,055,490**
[13] C
[51] **Int.Cl. G01P 5/00 (2006.01) B64C 13/00 (2006.01) B64D 43/00 (2006.01) G01C 9/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING AN ESTIMATION OF AN ANEMOMETRIC PARAMETER IN AN AIRCRAFT**
[54] **PROCEDE ET SYSTEME DE DETERMINATION D'UNE ESTIMATION D'UN PARAMETRE ANEMOMETRIQUE DANS UN AERONEF**
[72] CASTANG, FABIEN, CA
[72] LOUIS, XAVIER, CA
[73] THALES CANADA INC., CA
[85] 2019-09-05
[86] 2018-08-31 (PCT/IB2018/056680)
[87] (WO2019/043645)
[30] US (62/553,381) 2017-09-01

[11] **3,055,658**
[13] C
[51] **Int.Cl. F21V 8/00 (2006.01)**
[25] EN
[54] **DUAL VIEW ZONE BACKLIGHT, DUAL-MODE DISPLAY, AND METHOD**
[54] **DISPOSITIF DE RETROECLAIRAGE A DOUBLE ZONE D'AFFICHAGE, ECRAN A DOUBLE MODE ET PROCEDE**
[72] FATTAL, DAVID A., US
[72] KREBBERS, ANDRE, US
[73] LEIA INC., US
[85] 2019-09-05
[86] 2018-03-18 (PCT/US2018/023044)
[87] (WO2018/187019)
[30] US (62/480,514) 2017-04-02

[11] **3,055,743**
[13] C
[51] **Int.Cl. B62J 1/00 (2006.01)**
[25] EN
[54] **SEAT WITH DOWNWARDLY-SLANTED BUMP-LESS NOSE**
[54] **SIEGE DISPOSANT D`UNE PARTIE AVANT EFFILEE INCLINEE VERS LE BAS ET GENERALEMENT PLATE**
[72] SUPOWITZ, ANI, US
[72] VISINTIN, BRYAN, US
[72] FETTES, IAN, US
[73] AB INVENTIONS, LLC, US
[86] (3055743)
[87] (3055743)
[22] 2019-09-17
[30] US (62/733645) 2018-09-20
[30] US (16/373557) 2019-04-02

[11] **3,056,262**
[13] C
[51] **Int.Cl. C11D 1/62 (2006.01) C11D 3/386 (2006.01)**
[25] EN
[54] **FABRIC SOFTENER COMPOSITIONS**
[54] **COMPOSITIONS D'ADOUCISSANT TEXTILE**
[72] LANT, NEIL JOSEPH, GB
[72] GORI, KLAUS, DK
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-09-11
[86] 2018-04-09 (PCT/US2018/026650)
[87] (WO2018/191135)
[30] EP (17166318.0) 2017-04-12

[11] **3,056,274**
[13] C
[51] **Int.Cl. E05F 3/06 (2006.01) E05F 3/20 (2006.01)**
[25] EN
[54] **DOOR HINGE HAVING BUFFERING FUNCTION**
[54] **CHARNIERE DE PORTE A FONCTION D'AMORTISSEMENT**
[72] LIANG, YELIN, CN
[72] LAO, QINGJUN, CN
[72] ZHU, HAIHUI, CN
[73] LIANG, PEILING, CN
[85] 2019-09-12
[86] 2018-01-08 (PCT/CN2018/071730)
[87] (WO2018/214517)
[30] CN (2017103788528) 2017-05-25

[11] **3,057,391**
[13] C
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 16/21 (2019.01)**
[25] EN
[54] **METHODS AND DEVICES FOR PROVIDING TRANSACTION DATA TO BLOCKCHAIN SYSTEM FOR PROCESSING**
[54] **PROCEDES ET DISPOSITIFS PERMETTANT DE FOURNIR DES DONNEES DE TRANSACTION A UN SYSTEME DE CHAINE DE BLOCS POUR TRAITEMENT**
[72] CHENG, LONG, CN
[72] LI, YANPENG, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-09-20
[86] 2019-03-04 (PCT/CN2019/076873)
[87] (WO2019/101232)

[11] **3,058,201**
[13] C
[51] **Int.Cl. D21F 1/10 (2006.01) D21F 1/00 (2006.01) D21F 7/08 (2006.01)**
[25] EN
[54] **PIN SEAMED PRESS FELT AND METHOD OF MAKING SAME**
[54] **FEUTRE DE PRESSE COUSU A BROCHE ET SON PROCEDE DE FABRICATION**
[72] POSTL, FRIEDRICH, AT
[72] HAIDEN, KLAUS, AT
[73] HUYCK LICENSCO INC., US
[85] 2019-09-26
[86] 2018-05-30 (PCT/US2018/034996)
[87] (WO2018/222633)
[30] US (62/512,874) 2017-05-31

[11] **3,058,314**
[13] C
[51] **Int.Cl. C22B 26/12 (2006.01) C22B 3/26 (2006.01) C22B 3/32 (2006.01) C22B 3/44 (2006.01) C22B 7/00 (2006.01) C22B 23/00 (2006.01) C22B 47/00 (2006.01)**
[25] EN
[54] **LITHIUM RECOVERY METHOD**
[54] **PROCEDE DE RECUPERATION DE LITHIUM**
[72] ARAKAWA, JUNICHI, JP
[73] JX NIPPON MINING & METALS CORPORATION, JP
[85] 2019-09-27
[86] 2018-03-28 (PCT/JP2018/013029)
[87] (WO2018/181608)
[30] JP (2017-068967) 2017-03-30

[11] **3,058,528**
[13] C
[51] **Int.Cl. A63B 27/02 (2006.01)**
[25] EN
[54] **RETRACTABLE GAFF GUARD**
[54] **PROTECTEUR D`ETRIER A GRIFFES RETRACTABLE**
[72] CANFIELD, DEFOREST C., US
[72] BATTY, TIMOTHY R., US
[73] BUCKINGHAM MANUFACTURING COMPANY, INC., US
[86] (3058528)
[87] (3058528)
[22] 2019-10-11
[30] US (62/744349) 2018-10-11

[11] **3,058,792**
[13] C
[51] **Int.Cl. C07F 9/10 (2006.01) A61K 31/685 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHOSPHOLIPID DERIVATIVES AND THEIR USE AS MEDICAMENTS**
[54] **DERIVES PHOSPHOLIPIDIQUES ET LEUR UTILISATION EN TANT QUE MEDICAMENTS**
[72] DVORAK, MICHAL, CZ
[72] DVORAKOVA, MARTA, CZ
[72] KARAFIAT, VIT, CZ
[72] STURSA, JAN, CZ
[72] WERNER, LUKAS, CZ
[72] JANECKOVA, LUCIE, CZ
[73] USTAV MOLEKULARNI GENETIKY AV CR, V.V.I., CZ
[73] SMART BRAIN S.R.O., CZ
[85] 2019-10-02
[86] 2018-03-29 (PCT/CZ2018/050015)
[87] (WO2018/184604)
[30] CZ (PV 2017-190) 2017-04-03

[11] **3,059,031**
[13] C
[51] **Int.Cl. A61K 9/10 (2006.01) A61K 33/06 (2006.01) A61K 47/02 (2006.01) A61K 47/34 (2017.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61P 1/04 (2006.01)**
[25] EN
[54] **SUSPENSION COMPRISING ALUMINUM HYDROXIDE AND MAGNESIUM HYDROXIDE AND PREPARATION METHOD THEREFOR**
[54] **SUSPENSION COMPRENANT DE L'HYDROXYDE D'ALUMINIUM ET DE L'HYDROXYDE DE MAGNESIUM ET SON PROCEDE DE PREPARATION**
[72] CHANG, YE, CN
[72] LI, QING RI, CN
[72] SEOL, SANG HO, CN
[72] LI, TIE, CN
[72] TONG, CHAO, CN
[73] DAEWOONG PHARMACEUTICAL CO., LTD., KR
[73] LIAONING DAEWOONG PHARMACEUTICAL CO., LTD., CN
[85] 2019-10-03
[86] 2018-04-12 (PCT/KR2018/004305)
[87] (WO2018/190659)
[30] CN (201710240597.0) 2017-04-13

[11] **3,060,121**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **POLYMORPHIC FORM OF COMPOUND, PREPARATION METHOD AND USE THEREOF**
[54] **POLYMORPHE DE COMPOSE, PROCEDE DE PREPARATION S'Y RAPPORTANT ET UTILISATION DE CELUI-CI**
[72] SHEN, JIANWEI, CN
[72] ZHANG, JIN, CN
[72] LI, LONG, CN
[72] GAO, YONGHONG, CN
[72] ZHANG, ZHANTAO, CN
[72] ZHANG, YONG, CN
[73] QILU PHARMACEUTICAL CO., LTD., CN
[85] 2019-10-16
[86] 2018-04-26 (PCT/CN2018/084608)
[87] (WO2018/196805)
[30] CN (201710295287.9) 2017-04-28

[11] **3,060,603**
[13] C
[51] **Int.Cl. B66B 7/06 (2006.01) F16B 2/00 (2006.01) F16B 2/02 (2006.01) F16B 2/14 (2006.01) F16G 11/04 (2006.01)**
[25] EN
[54] **WEDGE CABLE CLAMP**
[54] **SERRE-CABLE A CALES**
[72] DIETZ, WILLIAM HENRY, US
[73] HUBBELL INCORPORATED, US
[85] 2019-10-21
[86] 2018-04-20 (PCT/US2018/028509)
[87] (WO2018/195389)
[30] US (62/488,349) 2017-04-21

[11] **3,060,640**
[13] C
[51] **Int.Cl. E04G 17/06 (2006.01) E04B 2/86 (2006.01) F16B 5/00 (2006.01) F16L 59/12 (2006.01)**
[25] EN
[54] **TIE SYSTEM FOR INSULATED CONCRETE PANELS**
[54] **SYSTEME DE CHAINAGE POUR PANNEAUX DE BETON ISOLES**
[72] FODERBERG, JOEL, US
[73] ICONX, LLC, US
[86] (3060640)
[87] (3060640)
[22] 2014-11-25
[62] 2,933,332
[30] US (61/915,675) 2013-12-13
[30] US (14/265,931) 2014-04-30

[11] **3,061,281**
[13] C
[51] **Int.Cl. G06F 11/22 (2006.01) G06F 11/30 (2006.01)**
[25] EN
[54] **VERIFYING SENSOR DATA USING EMBEDDINGS**
[54] **VERIFICATION DE DONNEES DE DETECTION AU MOYEN D'INCORPORATIONS**
[72] CIRIT, FAHRETTIN OLCAY, US
[73] UBER TECHNOLOGIES, INC., US
[85] 2019-10-23
[86] 2018-03-08 (PCT/IB2018/051497)
[87] (WO2018/197962)
[30] US (15/495,686) 2017-04-24

[11] **3,061,889**
[13] C
[51] **Int.Cl. A61B 17/06 (2006.01) A61B 17/00 (2006.01) A61B 17/04 (2006.01)**
[25] EN
[54] **NEEDLE INSTRUMENT FOR EYE-BAG RELOCATING OPERATION**
[54] **INSTRUMENT A AIGUILLE POUR CHIRURGIE DE REPOSITIONNEMENT DE GRAISSE ORBITALE**
[72] CHANG, CHEOL HO, KR
[72] CHA, MYEONG GYU, KR
[73] CHANG, CHEOL HO, KR
[85] 2019-10-28
[86] 2018-04-04 (PCT/KR2018/003982)
[87] (WO2018/208014)
[30] KR (10-2017-0059275) 2017-05-12

[11] **3,062,659**
[13] C
[51] **Int.Cl. A01D 34/416 (2006.01) A01G 3/06 (2006.01)**
[25] EN
[54] **GRASS TRIMMER**
[54] **COUPE-HERBE**
[72] YUAN, FENG, CN
[72] PENG, MING, CN
[72] GUO, JIANPENG, CN
[72] TANG, ZICHUN, CN
[73] CHERVON INTELLECTUAL PROPERTY LIMITED, VG
[86] (3062659)
[87] (3062659)
[22] 2015-11-24
[62] 2,913,169
[30] CN (201410687262.X) 2014-11-25
[30] CN (201410687940.2) 2014-11-25
[30] CN (201410688084.2) 2014-11-25
[30] US (14/945,965) 2015-11-19

[11] **3,064,600**
[13] C
[51] **Int.Cl. C22F 1/04 (2006.01) C22C 21/00 (2006.01) C22C 21/06 (2006.01) C22C 21/08 (2006.01)**
[25] EN
[54] **ALUMINUM ALLOY ARTICLE HAVING LOW TEXTURE AND METHODS OF MAKING THE SAME**
[54] **ARTICLE EN ALLIAGE D'ALUMINIUM DE FAIBLE TEXTURE ET SES PROCEDES DE PRODUCTION**
[72] DAS, SAZOL KUMAR, US
[72] FELBERBAUM, MILAN, US
[72] BENDZINSKI, DUANE E., US
[73] NOVELIS INC., US
[85] 2019-11-21
[86] 2018-06-05 (PCT/US2018/036039)
[87] (WO2018/226681)
[30] US (62/515,714) 2017-06-06

[11] **3,064,939**
[13] C
[51] **Int.Cl. A61K 8/99 (2017.01) A61Q 19/08 (2006.01) C12N 1/20 (2006.01) C12P 1/04 (2006.01)**
[25] EN
[54] **ANTI-AGING POTENTIAL OF EXTRACELLULAR METABOLITE ISOLATED FROM BACILLUS COAGULANS MTCC 5856**
[54] **POTENTIEL ANTI-AGE DE METABOLITE EXTRACELLULAIRE ISOLE DE BACILLUS COAGULANS MTCC 5856**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] MAJEED, SHAHEEN, US
[72] MUNDKUR, LAKSHMI, IN
[72] ALI, FURQAN, IN
[72] ARUMUGAM, SIVAKUMAR, IN
[73] SAMI LABS LIMITED, IN
[85] 2019-11-25
[86] 2018-06-04 (PCT/US2018/035800)
[87] (WO2018/226556)
[30] US (62/516,077) 2017-06-06
[30] US (62/516,083) 2017-06-06

[11] **3,065,558**
[13] C
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **TIME DELAY MECHANISM FOR A HYDRAULIC DRUG DELIVERY DEVICE**
[54] **MECANISME DE TEMPORISATION POUR UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT HYDRAULIQUE**
[72] GREGORY, CHRISTOPHER, US
[72] JENKINS, GEOFFREY, US
[73] ZEALAND PHARMA A/S, DK
[85] 2019-11-28
[86] 2018-06-20 (PCT/US2018/038518)
[87] (WO2018/237016)
[30] US (62/522,649) 2017-06-20

[11] **3,065,776**
[13] C
[51] **Int.Cl. F16L 23/036 (2006.01) F16L 23/00 (2006.01) F16L 55/18 (2006.01)**
[25] EN
[54] **A DEVICE FOR OPERATION ON A PRESSURIZED BOLT CONNECTION BETWEEN A FIRST FLANGED TUBULAR AND A SECOND FLANGED TUBULAR**
[54] **DISPOSITIF D'ACTION SUR UNE LIAISON PAR BOULONS SOUS PRESSION ENTRE UN PREMIER ELEMENT TUBULAIRE A BRIDE ET UN DEUXIEME ELEMENT TUBULAIRE A BRIDE**
[72] AAMODT, KJETIL, NO
[72] HARBOE-WIIG, ODDVAR, NO
[73] IK-NORWAY AS, NO
[85] 2019-11-29
[86] 2018-05-30 (PCT/NO2018/050142)
[87] (WO2018/222051)
[30] NO (20170915) 2017-06-02

[11] **3,065,799**
[13] C
[51] **Int.Cl. B29C 51/24 (2006.01) B29C 51/10 (2006.01) B29C 51/26 (2006.01) B29C 51/36 (2006.01) B65B 9/04 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR FORMING WATER SOLUBLE POUCHES**
[54] **APPAREIL ET PROCEDE DE FORMATION DE SACHETS HYDROSOLUBLES**
[72] HOWELL, DAVID STUART, II, US
[72] GILL, NATHAN ALAN, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-11-29
[86] 2018-06-19 (PCT/US2018/038200)
[87] (WO2018/236813)
[30] US (15/626,551) 2017-06-19

[11] **3,066,824**
[13] C
[51] **Int.Cl. E21B 43/08 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **COMPOSITE WATER-CONTROLLING AND FLOW-LIMITING DEVICE AND SCREEN PIPE THEREOF**
[54] **DISPOSITIF COMPOSITE DE REGULATION D'EAU ET DE LIMITATION DE DEBIT ET TUBE FILTRE ASSOCIE**
[72] YI, HUIAN, CN
[72] LI, BOREN, CN
[72] WANG, ZHENXIANG, CN
[72] ZHUANG, QIANSHENG, CN
[72] CHEN, SHANYIN, CN
[72] LIU, MIAOREN, CN
[72] HUANG, XIPENG, CN
[72] LI, WENFEI, CN
[72] YI, QIZUN, CN
[72] TAO, ZHENG, CN
[73] STARSE ENERGY AND TECHNOLOGY (GROUP) CO., LTD., CN
[85] 2019-12-10
[86] 2017-06-22 (PCT/CN2017/089532)
[87] (WO2018/232687)

[11] **3,066,994**
[13] C
[51] **Int.Cl. A01B 76/00 (2006.01) B60L 7/10 (2006.01)**
[25] EN
[54] **REGENERATIVE BRAKING SYSTEM FOR AN IMPLEMENT**
[54] **SYSTEME DE FREINAGE PAR RECUPERATION DESTINE A UNE MACHINE**
[72] THOMPSON, DENNIS GEORGE, CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (3066994)
[87] (3066994)
[22] 2020-01-08
[30] US (16/263,146) 2019-01-31

[11] **3,067,375**
[13] C
[51] **Int.Cl. H05B 47/175 (2020.01) F24F 11/50 (2018.01) F24F 11/58 (2018.01)**
[25] EN
[54] **COMMUNICATING WITH AND CONTROLLING LOAD CONTROL SYSTEMS**
[54] **COMMUNICATION AVEC DES SYSTEMES DE COMMANDE DE CHARGE ET COMMANDE DE SYSTEMES DE COMMANDE DE CHARGE**
[72] CLYMER, ERICA L., US
[72] JONES, CHRISTOPHER M., US
[72] BARD, BENJAMIN F., US
[72] AGARWAL, RHYTHM, US
[72] TIAN, SHENCHI, US
[72] BARCO, KYLE T., US
[72] OLSON, THOMAS L., US
[72] ORCHOWSKI, NEIL R., US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2019-12-13
[86] 2018-06-15 (PCT/US2018/037893)
[87] (WO2018/232333)
[30] US (62/520,132) 2017-06-15
[30] US (62/553,331) 2017-09-01
[30] US (62/599,379) 2017-12-15

[11] **3,067,418**
[13] C
[51] **Int.Cl. G16B 20/10 (2019.01) G16B 20/00 (2019.01) G16B 25/10 (2019.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS FOR ACCURATE COMPUTATIONAL DECOMPOSITION OF DNA MIXTURES FROM CONTRIBUTORS OF UNKNOWN GENOTYPES**
[54] **PROCEDES DE DECOMPOSITION COMPUTATIONNELLE PRECISE DE MELANGES D'ADN A PARTIR DE CONTRIBUTEURS DE GENOTYPES INCONNUS**
[72] SCHEFFLER, KONRAD, US
[72] SCHLESINGER, JOHANN FELIX, US
[72] KELLEY, RYAN, US
[73] ILLUMINA, INC., US
[85] 2019-11-29
[86] 2018-06-19 (PCT/US2018/038222)
[87] (WO2018/236827)
[30] US (62/522,618) 2017-06-20

[11] **3,067,701**
[13] C
[51] **Int.Cl. H03M 13/11 (2006.01) H03M 13/03 (2006.01) H04L 1/00 (2006.01)**
[25] EN
[54] **DESIGN OF SHIFT VALUES FOR QUASI-CYCLIC LDPC CODES**
[54] **CONCEPTION DE VALEURS DE DECALAGE DE CODES LDPC QUASI-CYCLIQUES**
[72] SANDBERG, SARA, SE
[72] ANDERSSON, MATTIAS, SE
[72] BLANKENSHIP, YUFEI, US
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-12-17
[86] 2018-06-26 (PCT/EP2018/067098)
[87] (WO2019/002284)
[30] US (62/525453) 2017-06-27

[11] **3,067,766**
[13] C
[51] **Int.Cl. B01D 17/02 (2006.01) C08F 6/00 (2006.01)**
[25] EN
[54] **A METHOD OF REDUCING THE ENTRAINMENT OF POLYMER IN THE POLYMER-LEAN LIQUID PHASE IN A SEPARATOR**
[54] **PROCEDE DE REDUCTION DE L'ENTRAINEMENT DE POLYMERE DANS LA PHASE LIQUIDE PAUVRE EN POLYMERE DANS UN SEPARATEUR**
[72] AL-HAJ ALI, MOHAMMAD, FI
[73] BOREALIS AG, AT
[85] 2019-12-18
[86] 2018-06-22 (PCT/EP2018/066788)
[87] (WO2019/002137)
[30] EP (17178698.1) 2017-06-29

[11] **3,068,671**
[13] C
[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/88 (2006.01)**
[25] EN
[54] **BONE CEMENT APPLICATOR WITH CLAMPABLE DELIVERY PLUNGER**
[54] **APPLICATEUR DE CIMENT OSSEUX DOTE D`UN PISTON DE DISTRIBUTION POUVANT ETRE SERTI**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE
[86] (3068671)
[87] (3068671)
[22] 2020-01-17
[30] DE (10 2019 104 020.5) 2019-02-18

[11] **3,069,537**
[13] C
[51] **Int.Cl. G06V 20/56 (2022.01) G06N 3/08 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DISTRIBUTED EDGE LEARNING**
[54] **PROCEDE ET APPAREIL D'APPRENTISSAGE EMBARQUE REPARTI**
[72] SABRIPOUR, SHERVIN, US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2020-01-09
[86] 2018-07-17 (PCT/US2018/042528)
[87] (WO2019/027671)
[30] US (15/668,624) 2017-08-03

[11] **3,069,893**
[13] C
[51] **Int.Cl. G01C 21/36 (2006.01) G01C 21/34 (2006.01)**
[25] EN
[54] **DISPLAYING VISIBLE POINTS OF INTEREST WITH A NAVIGATION SYSTEM**
[54] **AFFICHAGE DE POINTS D'INTERET VISIBLES A L'AIDE D'UN SYSTEME DE NAVIGATION**
[72] MOORE, CHRISTOPHER, US
[72] SUH, JANICE J., US
[72] KADLEC, BENJAMIN, US
[72] TAO, CHRISTINE MISUYE, US
[73] UBER TECHNOLOGIES, INC., US
[85] 2020-01-14
[86] 2018-06-07 (PCT/IB2018/054118)
[87] (WO2019/012342)
[30] US (15/650,722) 2017-07-14

[11] **3,070,591**
[13] C
[51] **Int.Cl. E21B 43/22 (2006.01) B82Y 30/00 (2011.01) C09K 8/584 (2006.01) C09K 8/72 (2006.01) C09K 8/92 (2006.01) E21B 43/27 (2006.01)**
[25] EN
[54] **METHOD OF INCREASING THE OIL RECOVERY OF FORMATIONS (EMBODIMENTS)**
[54] **PROCEDE D'AUGMENTATION DU RENDEMENT PETROLIER DE COUCHES (VARIANTES)**
[72] SERGEEV, VITALII VYACHESLAVOVICH, RU
[73] LIMITED LIABILITY COMPANY OILMIND, RU
[85] 2020-01-20
[86] 2018-07-18 (PCT/RU2018/050080)
[87] (WO2019/017824)
[30] RU (2017126170) 2017-07-21

[11] **3,071,063**
[13] C
[51] **Int.Cl. H01H 9/16 (2006.01) G02B 23/26 (2006.01) H01H 33/64 (2006.01)**
[25] EN
[54] **SWITCHGEAR WITH AN OPTICAL MONITORING SYSTEM**
[54] **APPAREILLAGE DE COMMUTATION AVEC SYSTEME DE SURVEILLANCE OPTIQUE**
[72] CZEROMIN, KAY, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[86] (3071063)
[87] (3071063)
[22] 2020-02-04
[30] DE (10 2019 202 363.0) 2019-02-21

[11] **3,072,157**
[13] C
[51] **Int.Cl. H04W 76/14 (2018.01) H04W 4/06 (2009.01) H04W 12/06 (2021.01) H04W 4/021 (2018.01) H04W 4/50 (2018.01) H04W 4/80 (2018.01) H02J 13/00 (2006.01)**
[25] EN
[54] **POWER OVER ETHERNET ADAPTER WITH COMMUNICATION DEVICE AND METHOD OF PROGRAMMING AND USING SAME**
[54] **ADAPTATEUR D'ALIMENTATION PAR ETHERNET DOTE D'UN DISPOSITIF DE COMMUNICATION ET METHODE DE PROGRAMMATION ET D'UTILISATION ASSOCIEE**
[72] HILLIER, PETER MATTHEW, CA
[72] BURTON, SCOTT RICHARD, CA
[73] MITEL NETWORKS CORPORATION, CA
[86] (3072157)
[87] (3072157)
[22] 2016-04-11
[62] 2,926,675
[30] US (14/706826) 2015-05-07

[11] **3,072,657**
[13] C
[51] **Int.Cl. E04C 3/08 (2006.01) E04B 1/24 (2006.01)**
[25] EN
[54] **VARIED LENGTH METAL STUDS**
[54] **GOUJONS METALLIQUES DE LONGUEUR VARIABLE**
[72] SACKS, ABRAHAM JACOB, CA
[72] SPILCHEN, WILLIAM, CA
[72] SACKS, JEFFREY LEONARD, CA
[72] RUGINA, NARCIS, CA
[73] STRUCTA WIRE ULC, CA
[85] 2020-02-11
[86] 2018-07-25 (PCT/CA2018/050901)
[87] (WO2019/033197)
[30] US (62/545,366) 2017-08-14

[11] **3,072,924**
[13] C
[51] **Int.Cl. D03D 1/00 (2006.01) D03D 15/283 (2021.01) D03D 13/00 (2006.01)**
[25] EN
[54] **WOVEN FABRIC**
[54] **TISSU TISSE**
[72] SONG, GUO QIANG, CN
[73] DONGGUAN SHICHANG METALS FACTORY LTD., CN
[86] (3072924)
[87] (3072924)
[22] 2020-02-18
[30] US (16/395,675) 2019-04-26
[30] US (29/680,646) 2019-02-19

[11] **3,073,839**
[13] C
[51] **Int.Cl. B60T 7/20 (2006.01) B60T 8/17 (2006.01) G08G 1/00 (2006.01)**
[25] EN
[54] **BRAKING CONTROLLER AND METHOD USING VERIFICATION OF REPORTED TRAILER CAPABILITIES**
[54] **DISPOSITIF DE COMMANDE DE FREINAGE ET PROCEDE UTILISANT UNE VERIFICATION DE CAPACITES DE REMORQUE RAPPORTEES**
[72] KASPER, PHILLIP J., US
[72] TOBER, MICHAEL D., US
[72] BEYER, CLAUS, US
[72] MACNAMARA, JOSEPH M., US
[72] SASMAL, SUBASHISH, US
[73] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2020-02-24
[86] 2018-09-13 (PCT/US2018/050964)
[87] (WO2019/055712)
[30] US (15/706,404) 2017-09-15

[11] **3,074,137**
[13] C
[51] **Int.Cl. A61H 23/02 (2006.01) A61F 13/02 (2006.01) A61H 7/00 (2006.01) A61H 11/00 (2006.01)**
[25] EN
[54] **THERAPY TAPE TO AID PATIENT RECOVERY**
[54] **BANDE DE THERAPIE POUR FACILITER LA RECUPERATION D'UN PATIENT**
[72] HIETANEN, SARI JOHANNA, FI
[72] TASKINEN, LEO TAPANI, FI
[73] 6D TAPE OY, FI
[85] 2020-02-27
[86] 2017-10-18 (PCT/EP2017/076547)
[87] (WO2018/073280)
[30] US (15/297,410) 2016-10-19

[11] **3,074,197**
[13] C
[51] **Int.Cl. H02J 7/00 (2006.01) F02N 11/12 (2006.01) H02J 7/02 (2016.01) H02J 7/32 (2006.01)**
[25] EN
[54] **RECHARGEABLE BATTERY JUMP STARTING DEVICE AND RECHARGEABLE BATTERY ASSEMBLY**
[54] **DISPOSITIF DE DEMARRAGE DE SECOURS DE BATTERIE RECHARGEABLE ET ENSEMBLE BATTERIE RECHARGEABLE**
[72] NOOK, JONATHAN LEWIS, US
[72] NOOK, WILLIAM KNIGHT, US
[72] STANFIELD, JAMES RICHARD, US
[72] UNDERHILL, DEREK MICHAEL, US
[73] THE NOCO COMPANY, US
[85] 2020-02-27
[86] 2018-07-05 (PCT/US2018/040919)
[87] (WO2019/045879)
[30] US (62/552,065) 2017-08-30
[30] US (62/561,751) 2017-09-22
[30] US (62/562,713) 2017-09-25
[30] US (62/569,355) 2017-10-06
[30] US (62/568,967) 2017-10-06

[11] **3,074,993**
[13] C
[51] **Int.Cl. C07D 311/22 (2006.01) A23L 33/10 (2016.01) A61K 31/353 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREVENTING OR TREATING TNF-RELATED DISEASES AND METHOD FOR INHIBITING TNF ACTIVITY**
[54] **COMPOSITION POUR PREVENIR OU TRAITER LES MALADIES LIEES AU FACTEUR DE NECROSE TUMORALE (TNF) ET METHODE D'INHIBITION DE L'ACTIVITE DU TNF**
[72] HEO, TAE-HWE, KR
[72] SHIN, KYE JUNG, KR
[73] ILAB, KR
[85] 2020-03-05
[86] 2018-07-12 (PCT/KR2018/007922)
[87] (WO2019/078452)
[30] KR (10-2017-0135899) 2017-10-19

[11] **3,075,115**
[13] C
[51] **Int.Cl. F04B 53/22 (2006.01) F04B 1/0448 (2020.01) F04B 1/0456 (2020.01) F04B 1/0465 (2020.01) F04B 53/10 (2006.01) F04B 53/16 (2006.01)**
[25] EN
[54] **HYDRAULIC FLUID PUMP AND RETAINER ASSEMBLY FOR SAME**
[54] **POMPE A FLUIDE HYDRAULIQUE ET ENSEMBLE DE RETENUE POUR CELLE-CI**
[72] MULLINS, CHANCE RAY, US
[72] KAY, KONNER CASEY, US
[73] GD ENERGY PRODUCTS, LLC, US
[86] (3075115)
[87] (3075115)
[22] 2020-03-10
[30] US (16/298,228) 2019-03-11

[11] **3,075,348**
[13] C
[51] **Int.Cl. F21S 8/02 (2006.01) F21V 1/14 (2006.01)**
[25] EN
[54] **RECESSED LIGHT FIXTURE ASSEMBLY WITH INTERCHANGEABLE TRIM COLLAR**
[54] **ASSEMBLAGE D`APPAREIL D'ECLAIRAGE ENCASTRE AU MOYEN D`UN COLLET DE REBORD`INTERCHANGEABLE**
[72] CHAIMBERG, ADAM, CA
[72] ALLARD, JAY, CA
[73] GLOBE ELECTRIC COMPANY INC., CA
[86] (3075348)
[87] (3075348)
[22] 2020-03-13

[11] **3,075,685**
[13] C
[51] **Int.Cl. B60T 7/20 (2006.01) B60T 8/17 (2006.01) G08G 1/00 (2006.01)**
[25] EN
[54] **BRAKING CONTROLLER AND METHOD USING VERIFICATION OF REPORTED TRAILER CAPABILITIES**
[54] **DISPOSITIF DE COMMANDE DE FREINAGE ET PROCEDE UTILISANT LA VERIFICATION DE CAPACITES DE REMORQUE RAPPORTEES**
[72] KASPER, PHILLIP J., US
[72] TOBER, MICHAEL D., US
[72] BEYER, CLAUS, US
[72] MACNAMARA, JOSEPH M., US
[72] SASMAL, SUBASHISH, US
[73] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2020-03-11
[86] 2018-09-13 (PCT/US2018/050967)
[87] (WO2019/055714)
[30] US (15/706,432) 2017-09-15

[11] **3,075,917**
[13] C
[51] **Int.Cl. C07K 7/06 (2006.01) A23L 33/18 (2016.01) A61K 38/00 (2006.01)**
[25] EN
[54] **PEPTIDE FOR INHIBITING ANGIOGENESIS AND USE THEREOF**
[54] **PEPTIDE UTILISE POUR INHIBER L'ANGIOGENESE ET SON UTILISATION**
[72] CHUNG, YONG JI, KR
[72] KIM, EUN MI, KR
[72] LEE, EUNG JI, KR
[73] CAREGEN CO., LTD., KR
[85] 2020-03-13
[86] 2018-03-14 (PCT/KR2018/002978)
[87] (WO2019/059476)
[30] KR (10-2017-0122571) 2017-09-22

[11] **3,076,082**
[13] C
[51] **Int.Cl. E21B 47/022 (2012.01) E21B 47/09 (2012.01) G01V 3/26 (2006.01)**
[25] EN
[54] **REENTRY AND/OR REDRILLING RANGING USING FOCUSED ELECTRODE VIRTUAL SETS AND SIMULATED ROTATION**
[54] **TELEMETRIE DE REENTREE ET/OU DE REFORAGE UTILISANT DES ENSEMBLES VIRTUELS D'ELECTRODES FOCALISEES ET UNE ROTATION SIMULEE**
[72] YOUNG, JOSEPH KEITH, US
[72] WU, HSU-HSIANG, US
[72] RODNEY, PAUL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-03-16
[86] 2018-11-02 (PCT/US2018/058843)
[87] (WO2019/094272)
[30] US (62/582,673) 2017-11-07

[11] **3,076,182**
[13] C
[51] **Int.Cl. H03F 19/00 (2006.01) H03F 7/00 (2006.01)**
[25] EN
[54] **PARAMETRIC AMPLIFIER SYSTEM**
[54] **SYSTEME D'AMPLIFICATEUR PARAMETRIQUE**
[72] NAAMAN, OFER, US
[72] FERGUSON, DAVID GEORGE, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2020-03-10
[86] 2018-09-14 (PCT/US2018/051076)
[87] (WO2019/089141)
[30] US (15/799,017) 2017-10-31

[11] **3,076,601**
[13] C
[51] **Int.Cl. G01N 33/48 (2006.01) C12N 5/078 (2010.01) C12M 1/34 (2006.01) C12Q 1/68 (2018.01) G01N 33/49 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **CHIP FOR CELL CLASSIFICATION**
[54] **PUCE POUR CLASSIFICATION DE CELLULES**
[72] KUBO, TOMOHIRO, JP
[72] AYANO, MADOKA, JP
[73] TL GENOMICS INC., JP
[85] 2020-03-20
[86] 2018-10-17 (PCT/JP2018/038728)
[87] (WO2019/078277)
[30] JP (2017-202907) 2017-10-19

[11] **3,077,488**
[13] C
[51] **Int.Cl. H04H 60/02 (2009.01) H04H 60/25 (2009.01) H04N 21/431 (2011.01)**
[25] EN
[54] **APPARATUS FOR TRANSMITTING BROADCAST SIGNAL, APPARATUS FOR RECEIVING BROADCAST SIGNAL, METHOD FOR TRANSMITTING BROADCAST SIGNAL, AND METHOD FOR RECEIVING BROADCAST SIGNAL**
[54] **APPAREIL POUR EMETTRE UN SIGNAL DE DIFFUSION, APPAREIL POUR RECEVOIR UN SIGNAL DE DIFFUSION, PROCEDE POUR EMETTRE UN SIGNAL DE DIFFUSION ET PROCEDE POUR RECEVOIR UN SIGNAL DE DIFF USION**
[72] KWAK, MINSUNG, KR
[72] YANG, SEUNGRYUL, KR
[72] MOON, KYOUNGSOO, KR
[72] KO, WOOSUK, KR
[72] HONG, SUNGRYONG, KR
[73] LG ELECTRONICS INC., KR
[86] (3077488)
[87] (3077488)
[22] 2015-04-27
[62] 2,941,597
[30] US (61/984,854) 2014-04-27
[30] US (61/991,624) 2014-05-12
[30] US (62/000,515) 2014-05-19
[30] US (62/003,039) 2014-05-27

[11] **3,077,532**
[13] C
[51] **Int.Cl. B62D 21/02 (2006.01) B60R 19/24 (2006.01) B62D 25/00 (2006.01)**
[25] EN
[54] **FRAME EXTENSION FOR VEHICLE**
[54] **PROLONGEMENT DU CHASSIS POUR VEHICULE**
[72] JAYNES, DAN R., US
[73] FONTAINE MODIFICATION COMPANY, US
[86] (3077532)
[87] (3077532)
[22] 2020-03-31
[30] US (62/828,655) 2019-04-03
[30] US (16/834,002) 2020-03-30

[11] **3,077,738**
[13] C
[51] **Int.Cl. A61M 5/162 (2006.01) A61J 1/14 (2006.01) A61J 1/20 (2006.01) A61M 5/14 (2006.01) A61M 5/178 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **INFUSION ADAPTER**
[54] **ADAPTATEUR DE PERFUSION**
[72] YEVMENENKO, YAN, US
[72] WONG, ANDREW, US
[72] HUBER, BRENT, US
[73] BECTON, DICKINSON AND COMPANY LIMITED, IE
[86] (3077738)
[87] (3077738)
[22] 2016-01-08
[62] 2,973,264
[30] US (62/101,551) 2015-01-09

[11] **3,077,950**
[13] C
[51] **Int.Cl. F01B 11/00 (2006.01) A61B 17/14 (2006.01) A61B 17/16 (2006.01) A61B 17/32 (2006.01)**
[25] EN
[54] **DIFFERENTIAL PRESSURE MOTOR AND METHOD FOR OPERATING A DIFFERENTIAL PRESSURE MOTOR**
[54] **MOTEUR A PRESSION DIFFERENTIELLE ET PROCEDE DE FONCTIONNEMENT D`UN MOTEUR A PRESSION DIFFERENTIELLE**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE
[86] (3077950)
[87] (3077950)
[22] 2020-04-17
[30] DE (10 2019 113 640.7) 2019-05-22

[11] **3,078,391**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/5025 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **CAP-DEPENDENT ENDONUCLEASE INHIBITORS**
[54] **INHIBITEURS D'ENDONUCLEASE DEPENDANT DU CAP**
[72] HSU, MING-CHU, US
[72] LIN, CHU-CHUNG, TW
[72] CHEN, HUNG-CHUAN, TW
[72] CHIANG, CHIAYN, TW
[72] YEN, CHI-FENG, TW
[73] TAIGEN BIOTECHNOLOGY CO., LTD., TH
[85] 2020-04-02
[86] 2019-01-22 (PCT/US2019/014461)
[87] (WO2019/144089)
[30] US (62/620,065) 2018-01-22

[11] **3,078,824**
[13] C
[51] **Int.Cl. H04B 11/00 (2006.01) E21B 47/14 (2006.01) H04B 13/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PERFORMING HYDROCARBON OPERATIONS WITH MIXED COMMUNICATION NETWORKS**
[54] **PROCEDE ET SYSTEME DESTINES A EFFECTUER DES OPERATIONS D'HYDROCARBURE AU MOYEN DE RESEAUX DE COMMUNICATION MIXTES**
[72] DISKO, MARK M., US
[72] YI, XIAOHUA, US
[72] CLAWSON, SCOTT W., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-04-08
[86] 2018-09-24 (PCT/US2018/052353)
[87] (WO2019/074654)
[30] US (62/572,211) 2017-10-13

[11] **3,078,859**
[13] C
[51] **Int.Cl. A24F 40/10 (2020.01) A24F 40/40 (2020.01) A24F 47/00 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **VAPOUR PROVISION SYSTEMS**
[54] **SYSTEMES DE FOURNITURE DE VAPEUR**
[72] HEPWORTH, RICHARD, GB
[72] MOLONEY, PATRICK, GB
[72] ABI AOUN, WALID, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2020-04-09
[86] 2018-10-11 (PCT/GB2018/052911)
[87] (WO2019/073238)
[30] GB (1716732.1) 2017-10-12

[11] **3,080,174**
[13] C
[51] **Int.Cl. E21B 47/09 (2012.01) G01C 9/06 (2006.01) G01C 19/02 (2006.01) G01P 3/44 (2006.01) G06F 17/10 (2006.01)**
[25] EN
[54] **NOISE ROBUST ALGORITHM FOR MEASURING GRAVITATIONAL TOOL-FACE**
[54] **ALGORITHME ROBUSTE AU BRUIT POUR MESURER UN FRONT D'OUTIL GRAVITATIONNEL**
[72] SOBHANA, RASHOBH RAJAN, SG
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-04-23
[86] 2018-11-29 (PCT/US2018/062986)
[87] (WO2019/118185)
[30] US (62/598,932) 2017-12-14

[11] **3,080,485**
[13] C
[51] **Int.Cl. E21B 27/02 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **DOWNHOLE PLACEMENT TOOL WITH FLUID ACTUATOR AND METHOD OF USING SAME**
[54] **OUTIL DE POSITIONNEMENT DE FOND DE TROU A ACTIONNEUR FLUIDIQUE ET SON PROCEDE D'UTILISATION**
[72] CARISELLA, JAMES V., US
[72] MORRILL, KEVIN M., US
[72] LEFORT, JAY M., US
[73] NON-EXPLOSIVE OILFIELD PRODUCTS, LLC, US
[85] 2020-04-27
[86] 2018-10-24 (PCT/US2018/057388)
[87] (WO2019/084192)
[30] US (62/577,586) 2017-10-26
[30] US (62/662,395) 2018-04-25

[11] **3,081,463**
[13] C
[51] **Int.Cl. H02B 1/052 (2006.01) G01R 22/10 (2006.01) H02B 1/03 (2006.01)**
[25] EN
[54] **ELECTRICAL RAIL MOUNT DEVICE AND COVER FOR AN ELECTRICAL RAIL MOUNT DEVICE**
[54] **DISPOSITIF DE SUPPORT DE RAIL ELECTRIQUE ET COUVERCLE POUR LEDIT DISPOSITIF**
[72] FREGONA, DENIS, IT
[72] BALCON, CLAUDIO, IT
[73] CARLO GAVAZZI SERVICES AG, SE
[86] (3081463)
[87] (3081463)
[22] 2020-05-29
[30] EP (19179595.4) 2019-06-12

[11] **3,081,678**
[13] C
[51] **Int.Cl. B29C 64/393 (2017.01) B29C 64/153 (2017.01)**
[25] EN
[54] **CONVOLUTIONAL NEURAL NETWORK EVALUATION OF ADDITIVE MANUFACTURING IMAGES, AND ADDITIVE MANUFACTURING SYSTEM BASED THEREON**
[54] **EVALUATION PAR UN RESEAU NEURONAL CONVOLUTIF D'IMAGES DE FABRICATION ADDITIVE ET SYSTEME DE FABRICATION ADDITIVE BASE SUR CELLE-CI**
[72] GUERRIER, PAUL, US
[72] BAGGS, GEORGE, US
[73] MOOG INC., US
[85] 2020-05-04
[86] 2018-12-15 (PCT/US2018/065880)
[87] (WO2019/125970)
[30] US (62/608,045) 2017-12-20

[11] **3,081,791**
[13] C
[51] **Int.Cl. B01D 29/68 (2006.01) B01D 29/70 (2006.01) B01D 39/08 (2006.01)**
[25] EN
[54] **BACKWASH SHOE METHOD AND APPARATUS THAT INCREASES EFFECTIVE SURFACE AREA OF CLOTH FILTER MEDIA**
[54] **PROCEDE ET APPAREIL DE SABOT DE LAVAGE A CONTRE-COURANT PERMETTANT D'AUGMENTER LA SURFACE EFFICACE D'UN MILIEU FILTRANT EN TISSU**
[72] ULRICH, GRABBE, CH
[73] AQUA-AEROBIC SYSTEMS, INC., US
[85] 2020-05-05
[86] 2018-10-22 (PCT/US2018/056868)
[87] (WO2019/103801)
[30] US (15/819,061) 2017-11-21

[11] **3,081,813**
[13] C
[51] **Int.Cl. B32B 27/12 (2006.01) B29C 65/02 (2006.01) B32B 27/08 (2006.01) B32B 27/32 (2006.01) C08J 5/18 (2006.01) D21H 11/18 (2006.01)**
[25] EN
[54] **HEAT-SEALABLE PACKAGING MATERIAL**
[54] **MATIERE D'EMBALLAGE THERMOSCELLABLE**
[72] BACKFOLK, KAJ, FI
[72] HEISKANEN, ISTO, FI
[72] SAUKKONEN, ESA, FI
[72] KANKKUNEN, JUKKA, FI
[73] STORA ENSO OYJ, FI
[85] 2020-05-05
[86] 2018-12-19 (PCT/IB2018/060302)
[87] (WO2019/123290)
[30] SE (1751595-8) 2017-12-21

[11] **3,082,276**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4738 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS AND THEIR APPLICATION IN MEDICINE**
[54] **COMPOSES HETEROCYCLIQUES ET LEUR APPLICATION EN MEDECINE**
[72] LIU, DONG, CN
[73] KIND PHARMACEUTICAL, CN
[85] 2020-05-08
[86] 2018-11-13 (PCT/CN2018/115142)
[87] (WO2019/096106)
[30] CN (201711123800.2) 2017-11-14

[11] **3,082,467**
[13] C
[51] **Int.Cl. G01F 1/74 (2006.01) G01F 1/84 (2006.01) G01F 15/00 (2006.01)**
[25] EN
[54] **FLOWING VAPOR PRESSURE APPARATUS AND RELATED METHOD**
[54] **APPAREIL DE MESURE DE PRESSION DE VAPEUR EN ECOULEMENT ET PROCEDE ASSOCIE**
[72] HOLLINGSWORTH, JUSTIN CRAIG, US
[72] BUTTLER, MARC ALLAN, US
[72] LEAPLEY, JASON ALAN, US
[73] MICRO MOTION, INC., US
[85] 2020-05-12
[86] 2017-11-13 (PCT/US2017/061255)
[87] (WO2019/094038)

[11] **3,082,474**
[13] C
[51] **Int.Cl. E21B 33/138 (2006.01) C09K 8/40 (2006.01) C09K 8/50 (2006.01)**
[25] EN
[54] **METHOD FOR ELIMINATING FLUID LOSS DURING CONSTRUCTION OF OIL AND GAS WELLS**
[54] **PROCEDE POUR LIQUIDER LES ABSORPTIONS DE FLUIDE DE FORAGE PENDANT LE FORAGE DE PUITS DE GAZ ET DE PETROLE**
[72] SERGEEV, VITALII VYACHESLAVOVICH, RU
[73] LIMITED LIABILITY COMPANY "GR PETROLEUM", RU
[85] 2020-05-12
[86] 2018-11-13 (PCT/RU2018/050141)
[87] (WO2019/093930)
[30] RU (2017139274) 2017-11-13

[11] **3,083,017**
[13] C
[51] **Int.Cl. F25D 11/02 (2006.01) F25D 17/06 (2006.01) F25D 23/12 (2006.01)**
[25] EN
[54] **REFRIGERATOR INTEGRATED WITH ICE MAKER**
[54] **REFRIGERATEUR A MACHINE A GLACONS INTEGREE**
[72] SHAO, YANG, CN
[72] SI, ZENGQIANG, CN
[72] WANG, JINCAI, CN
[73] HEFEI HUALING CO., LTD., CN
[73] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[85] 2020-05-20
[86] 2018-11-15 (PCT/CN2018/115709)
[87] (WO2019/101000)
[30] CN (201711185506.4) 2017-11-23

[11] **3,083,089**
[13] C
[51] **Int.Cl. A42B 3/14 (2006.01) A42B 3/04 (2006.01) A61F 9/06 (2006.01)**
[25] EN
[54] **HEADBAND ARRANGEMENT AND WELDING HELMET EQUIPPED WITH THE SAME**
[54] **ARRANGEMENT DE BANDEAU ET CASQUE DE SOUDURE EQUIPE DUDIT ARRANGEMENT DE BANDEAU**
[72] WU, ZIQIAN, CN
[73] TECMEN ELECTRONICS CO., LTD., CN
[86] (3083089)
[87] (3083089)
[22] 2017-01-06
[62] 2,953,970
[30] CN (201620864542.8) 2016-08-10
[30] CN (201621377700.3) 2016-12-15

[11] **3,083,283**
[13] C
[51] **Int.Cl. E06C 7/18 (2006.01) E06C 7/50 (2006.01)**
[25] EN
[54] **FALL PROTECTION SYSTEM**
[54] **SYSTEME DE PROTECTION CONTRE LES CHUTES**
[72] ADAMS, JONATHAN CHRISTOPHER, US
[73] FORMETCO, INC., US
[85] 2020-05-21
[86] 2018-12-04 (PCT/US2018/063748)
[87] (WO2019/113002)
[30] US (62/594,050) 2017-12-04
[30] US (62/623,803) 2018-01-30

[11] **3,083,320**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 473/30 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **PIPERIDINYL DERIVATIVES AS INHIBITORS OF UBIQUITIN SPECIFIC PROTEASE 7**
[54] **DERIVES DE PIPERIDINYL COMME INHIBITEURS DE LA PROTEASE 7 PROPRE A L'UBIQUITINE**
[72] KOTSCHY, ANDRAS, HU
[72] WEBER, CSABA, HU
[72] VASAS, ATTILA, HU
[72] KISS, ARPAD, HU
[72] MOLNAR, BALAZS, HU
[72] STROFEK, AGNES, HU
[72] KUN, VILIBALD, HU
[72] MURRAY, JAMES BROOKE, GB
[72] MACIAS, ALBA, GB
[72] LEWKOWICZ, ELODIE, FR
[72] CHANRION, MAIA, FR
[72] IVANSCHITZ, LISA, FR
[72] GENESTE, OLIVIER, FR
[73] LES LABORATOIRES SERVIER, FR
[73] VERNALIS (R&D) LIMITED, GB
[85] 2020-05-22
[86] 2018-11-28 (PCT/EP2018/082766)
[87] (WO2019/105963)
[30] FR (1761338) 2017-11-29

[11] **3,083,405**
[13] C
[51] **Int.Cl. C11D 3/382 (2006.01) C11D 17/04 (2006.01) C11D 1/14 (2006.01) C11D 1/29 (2006.01)**
[25] EN
[54] **HAND DISHWASHING CLEANING ARTICLE AND A METHOD OF MANUALLY WASHING DISHWARE**
[54] **ARTICLE DE NETTOYAGE MANUEL DE VAISSELLE ET PROCEDE DE LAVAGE MANUEL DE VAISSELLE**
[72] HERZOG, JENNIFER LYNN, US
[72] MASCHINO, ANDREW D., US
[72] MCCOSKEY, RANDOLPH SCOTT, US
[72] JERVIER, GREGORY LEO, US
[72] PUNG, DAVID JOHN, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-05-22
[86] 2018-11-28 (PCT/US2018/062715)
[87] (WO2019/112843)
[30] US (62/595,183) 2017-12-06
[30] EP (17207570.7) 2017-12-15

[11] **3,083,446**
[13] C
[51] **Int.Cl. E04B 2/08 (2006.01) A63H 33/08 (2006.01) E04H 9/02 (2006.01)**
[25] EN
[54] **KIT FOR CONSTRUCTING DRY-MOUNTED WALLS**
[54] **KIT POUR CONSTRUIRE DES MURS MONTES A SEC**
[72] PERUSI, MASSIMO, IT
[73] PERUSI, MASSIMO, IT
[85] 2020-05-25
[86] 2018-10-30 (PCT/IT2018/050213)
[87] (WO2019/106700)
[30] IT (102017000137660) 2017-11-30

[11] **3,083,831**
[13] C
[51] **Int.Cl. F27D 9/00 (2006.01) C21D 11/00 (2006.01)**
[25] EN
[54] **TEMPERATURE-CONTROL UNIT FOR A FURNACE DEVICE FOR HEAT TREATING A PLATE**
[54] **UNITE DE REGULATION THERMIQUE POUR UN DISPOSITIF DE FOUR DESTINE AU TRAITEMENT THERMIQUE D'UNE PLAQUETTE**
[72] EBNER, ROBERT, AT
[72] SAUSCHLAGER, ANDREAS, AT
[72] OPPERMANN, ANTON, AT
[72] SCHATZ, DANIEL, AT
[72] KIRSCHNER, GUNTER, AT
[72] HEITZMANN, LUKAS, AT
[72] HUMER, HARALD, AT
[72] MUSIC, MUSTAFA, AT
[73] EBNER INDUSTRIEOFENBAU GMBH, AT
[85] 2020-05-28
[86] 2018-11-29 (PCT/EP2018/082994)
[87] (WO2019/106083)
[30] DE (10 2017 128 574.1) 2017-12-01

[11] **3,084,034**
[13] C
[51] **Int.Cl. A61K 47/60 (2017.01) A61K 47/10 (2017.01) A61P 29/02 (2006.01)**
[25] EN
[54] **COVALENT ANESTHETIC-POLYMER CONJUGATES FOR PROLONGED LOCAL ANESTHESIA**
[54] **CONJUGUES COVALENTS ANESTHESIQUES-POLYMERES POUR ANESTHESIE LOCALE PROLONGEE**
[72] KOHANE, DANIEL S., US
[72] ZHAO, CHAO, US
[73] THE CHILREN'S MEDICAL CENTER CORPORATION, US
[85] 2020-05-29
[86] 2018-12-03 (PCT/US2018/063573)
[87] (WO2019/109065)
[30] US (62/593,784) 2017-12-01

[11] **3,084,570**
[13] C
[51] **Int.Cl. B60T 7/20 (2006.01) B60T 17/18 (2006.01)**
[25] EN
[54] **METHOD FOR PROTECTING THE AIR SYSTEM IN A COMMERCIAL VEHICLE IN THE EVENT OF TRAILER BREAKAWAY**
[54] **PROCEDE POUR PROTEGER LE SYSTEME D`ADMISSION D`AIR DANS UN VEHICULE COMMERCIAL EN CAS DE RUPTURE DE REMORQUE**
[72] CARRITTE, TIMOTHY, US
[73] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[86] (3084570)
[87] (3084570)
[22] 2020-06-22
[30] US (16/451,579) 2019-06-25

[11] **3,084,759**
[13] C
[51] **Int.Cl. B62D 25/20 (2006.01) B62D 63/08 (2006.01)**
[25] EN
[54] **MODULAR LIGHT WEIGHT UNIVERSAL NON-INVASIVE RETRACTABLE STORAGE SYSTEM FOR A TRUCK BED, VAN AND/OR A TRAILER BED**
[54] **SYSTEME DE STOCKAGE RETRACTABLE UNIVERSEL DE TARE MODULAIRE POUR PLATEFORME DE CAMION, PLATEFORME DE FOURGON ET/OU PLATEFORME DE REMORQUE**
[72] SOSNOWICH, LANCE E., CA
[72] DONER, ALAN V., CA
[72] NASH, LARRY M., CA
[73] SOSCO LTD., CA
[86] (3084759)
[87] (3084759)
[22] 2020-06-24
[30] US (62/866,955) 2019-06-26

[11] **3,084,866**
[13] C
[51] **Int.Cl. A24B 15/16 (2020.01) A24F 47/00 (2020.01)**
[25] EN
[54] **AEROSOLISABLE STRUCTURE**
[54] **STRUCTURE PULVERISABLE EN AEROSOL**
[72] ABI AOUN, WALID, GB
[72] ELGAR, GLEN, GB
[72] DAVIS, ANDREW, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2020-06-05
[86] 2018-12-06 (PCT/EP2018/083795)
[87] (WO2019/110730)
[30] GB (1720535.2) 2017-12-08

[11] **3,085,062**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 31/465 (2006.01) A61P 25/34 (2006.01)**
[25] EN
[54] **NICOTINE TABLET**
[54] **COMPRIME DE NICOTINE**
[72] NIELSEN, BRUNO PROVSTGAARD, DK
[72] NIELSEN, KENT ALBIN, DK
[73] FERTIN PHARMA A/S, DK
[85] 2020-06-08
[86] 2018-12-07 (PCT/DK2018/050335)
[87] (WO2019/110072)
[30] DK (PA 2017 70925) 2017-12-08

[11] **3,085,419**
[13] C
[51] **Int.Cl. B23C 5/10 (2006.01) B23C 5/12 (2006.01)**
[25] EN
[54] **MILLING TOOL AND WORKPIECE MACHINING METHOD**
[54] **OUTIL DE FRAISAGE ET PROCEDE D'USINAGE D'UNE PIECE**
[72] UENO, HIROSHI, JP
[72] MIYAMOTO, RYOICHI, JP
[72] NAGATA, FUKUHITO, JP
[73] MAKINO MILLING MACHINE CO., LTD., JP
[85] 2020-06-10
[86] 2017-12-13 (PCT/JP2017/044791)
[87] (WO2019/116475)

[11] **3,085,455**
[13] C
[51] **Int.Cl. A61K 31/522 (2006.01) A61K 47/00 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **A SOLID ORAL DOSAGE FORM COMPRISING LINAGLIPTIN**
[54] **FORME PHARMACEUTIQUE ORALE SOLIDE COMPRENANT DE LA LINAGLIPTINE**
[72] TURKYILMAZ, ALI, TR
[72] PEHLIVAN AKALIN, NUR, TR
[72] ERGUN DONMEZ, MERVE, TR
[73] SANOVEL ILAC SANAYI VE TICARET ANONIM SIRKETI, TR
[85] 2020-06-10
[86] 2018-12-14 (PCT/TR2018/050812)
[87] (WO2019/203755)
[30] TR (2017/20515) 2017-12-15

[11] **3,086,336**
[13] C
[51] **Int.Cl. F21V 8/00 (2006.01) G02B 27/28 (2006.01)**
[25] EN
[54] **POLARIZATION RECYCLING BACKLIGHT, METHOD AND MULTIVIEW DISPLAY EMPLOYING SUBWAVELENGTH GRATINGS**
[54] **RETROECLAIRAGE A RECYCLAGE DE POLARISATION, PROCEDE ET AFFICHEUR MULTI-VUES FAISANT APPEL A DES RESEAUX DE SOUS-LONGUEUR D'ONDE**
[72] AIETA, FRANCESCO, US
[72] LI, XUEJIAN, US
[72] HOEKMAN, THOMAS, US
[72] FATTAL, DAVID A., US
[73] LEIA INC., US
[85] 2020-06-18
[86] 2018-01-27 (PCT/US2018/015617)
[87] (WO2019/147276)

[11] **3,086,460**
[13] C
[51] **Int.Cl. A61B 3/16 (2006.01) A61B 3/00 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **REDUCING ERRORS OF OPTICAL MEASUREMENTS OF INTERNAL PRESSURE OF A BODY PERFORMED WITH AN OPTICAL MEMBER IN CONTACT WITH THE BODY**
[54] **REDUCTION DES ERREURS DE MESURES OPTIQUES DE LA PRESSION INTERNE D'UN CORPS EFFECTUEES AVEC UN ELEMENT OPTIQUE EN CONTACT AVEC LE CORPS**
[72] MCCAFFERTY, SEAN J., US
[73] CATS TONOMETER LLC, US
[85] 2020-06-09
[86] 2018-12-11 (PCT/US2018/064878)
[87] (WO2019/118410)
[30] US (62/597,714) 2017-12-12
[30] US (62/658,273) 2018-04-16
[30] US (16/000,573) 2018-06-05

[11] **3,086,866**
[13] C
[51] **Int.Cl. A61K 31/56 (2006.01)**
[25] EN
[54] **USE OF COMPOUNDS IN PREPARATION OF A MEDICAMENT FOR TREATMENT OF HEMORRHAGIC STROKE**
[54] **APPLICATION D'UN COMPOSE DANS LA PREPARATION D'UN MEDICAMENT POUR LE TRAITEMENT DE L'AVC HEMORRAGIQUE**
[72] YAN, GUANGMEI, CN
[72] HUANG, YIJUN, CN
[72] YIN, WEI, CN
[72] LIN, SUIZHEN, CN
[73] GUANGZHOU CELLPROTEK PHARMACEUTICAL CO., LTD, CN
[85] 2020-06-24
[86] 2018-12-28 (PCT/CN2018/124707)
[87] (WO2019/129181)
[30] CN (201711479490.8) 2017-12-29

[11] **3,086,987**
[13] C
[51] **Int.Cl. C22C 38/00 (2006.01) C21D 8/02 (2006.01) C22C 38/58 (2006.01)**
[25] EN
[54] **HOT-ROLLED STEEL PLATE AND METHOD FOR MANUFACTURING SAME**
[54] **TOLE EN ACIER LAMINEE A CHAUD ET SON PROCEDE DE FABRICATION**
[72] KIMURA, HIDEYUKI, JP
[72] YOKOTA, TAKESHI, JP
[72] TSUTSUMI, SATOSHI, JP
[73] JFE STEEL CORPORATION, JP
[85] 2020-06-25
[86] 2018-12-11 (PCT/JP2018/045414)
[87] (WO2019/131100)
[30] JP (2017-247170) 2017-12-25

[11] **3,087,027**
[13] C
[51] **Int.Cl. B60M 1/04 (2006.01) B60M 1/30 (2006.01)**
[25] EN
[54] **LOAD SUPPORTING AND INSULATING APPARATUSES FOR RAILS**
[54] **APPAREILS DE SUPPORT DE CHARGE ET D'ISOLATION POUR RAILS**
[72] MAZUR, ROBERT A., US
[73] PRECISION RAIL AND MFG., INC., US
[86] (3087027)
[87] (3087027)
[22] 2020-07-14
[30] US (16/562,993) 2019-09-06

[11] **3,087,363**
[13] C
[51] **Int.Cl. G01N 33/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GAS REUSE IN TESTING OF HAZARDOUS GAS DETECTING INSTRUMENTS**
[54] **SYSTEME ET PROCEDE DE REUTILISATION DE GAZ POUR TESTER DES INSTRUMENTS DE DETECTION DE GAZ DANGEREUX**
[72] MCEWEN, SHANE LEE, US
[72] SPECTOR, JACOB THOMAS, US
[72] NILSSON, ANDREW, US
[72] PRESS, CHRIS, US
[73] HONEYWELL INTERNATIONAL INC., US
[85] 2020-06-30
[86] 2018-02-02 (PCT/US2018/016656)
[87] (WO2019/152047)

[11] **3,087,862**
[13] C
[51] **Int.Cl. B41J 2/045 (2006.01) C09D 11/30 (2014.01) C09D 11/322 (2014.01) A45D 34/00 (2006.01) B41J 2/18 (2006.01) B41J 2/38 (2006.01) B41J 3/407 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISPENSING MATERIAL**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE MATERIAU**
[72] BUSH, STEPHAN GARY, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-07-07
[86] 2019-01-31 (PCT/US2019/015942)
[87] (WO2019/152579)
[30] US (62/624,849) 2018-02-01

[11] **3,088,765**
[13] C
[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01)**
[25] EN
[54] **DUAL ACTION TRUCK BED COVER**
[54] **COUVRE PLATEFORME DE CAMION A DOUBLE ACTION**
[72] ROHR, ANDREW N., US
[72] HILL, ROBERT E., JR., US
[73] A.R.E. ACCESSORIES, LLC, US
[86] (3088765)
[87] (3088765)
[22] 2016-03-10
[62] 2,923,516
[30] US (62/137,907) 2015-03-25
[30] US (15/048,028) 2016-02-19

[11] **3,088,872**
[13] C
[51] **Int.Cl. A61K 31/343 (2006.01) A61K 9/20 (2006.01) A61K 31/443 (2006.01) A61P 25/02 (2006.01) A61P 25/30 (2006.01)**
[25] EN
[54] **ORAL FORMULATIONS COMPRISING BENZOFURAN CANNABINOID RECEPTOR MODULATORS WITH IMPROVED BIOAVAILABILITY**
[54] **FORMULATIONS ORALES COMPRENANT UN RECEPTEUR DE CANNABINOIDE DE BENZOFURANE MODULATEURS AVEC BIOADMISSIBILITE AMELIOREE**
[72] FOSS, JOSEPH, US
[72] ATTALA, MOHAMED NAGUIB, US
[73] THE CLEVELAND CLINIC FOUNDATION, US
[85] 2020-07-03
[86] 2019-01-07 (PCT/US2019/012459)
[87] (WO2019/136331)
[30] US (15/862,721) 2018-01-05

[11] **3,089,841**
[13] C
[51] **Int.Cl. F16F 15/00 (2006.01) B62D 37/04 (2006.01) F16F 7/10 (2006.01)**
[25] EN
[54] **ACTIVE VIBRATION CONTROL USING CIRCULAR FORCE GENERATORS**
[54] **COMMANDE DE VIBRATION ACTIVE A L'AIDE DE GENERATEURS DE FORCE CIRCULAIRE**
[72] NORRIS, MARK, US
[72] BARBULESCU, STEFAN, US
[72] BIEBER, MARTIN, US
[73] LORD CORPORATION, US
[85] 2020-07-28
[86] 2019-03-20 (PCT/US2019/023085)
[87] (WO2019/183168)
[30] US (62/645,395) 2018-03-20

---

[11] **3,089,869**
[13] C
[51] **Int.Cl. H04N 21/458 (2011.01) H04N 21/432 (2011.01) H04N 21/84 (2011.01) G06F 16/48 (2019.01) G06F 16/78 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR NETWORK BASED VIDEO CLIP GENERATION AND MANAGEMENT**
[54] **METHODES ET SYSTEMES DE GENERATION ET GESTION DE CLIP VIDEO EN RESEAU**
[72] SILVESTRI, VINCE, CA
[72] PATEL, RAKESH, CA
[73] EVERTZ MICROSYSTEMS LTD., CA
[86] (3089869)
[87] (3089869)
[22] 2012-04-11
[62] 2,773,924
[30] US (61/473,869) 2011-04-11

---

[11] **3,092,659**
[13] C
[51] **Int.Cl. B04C 5/08 (2006.01) B04C 5/085 (2006.01) B04C 11/00 (2006.01)**
[25] EN
[54] **WEAR-LEVELLING APPARATUS FOR CYCLONES**
[54] **APPAREIL D'EGALISATION D'USURE POUR CYCLONES**
[72] SWINTAK, MIKE, CA
[72] SCHMIDT, MARK, CA
[72] PAJIC, VLADIMIR, CA
[72] HAIGHT, RICHARD, CA
[72] STARK, RONALD, CA
[72] SIU, EDWIN, CA
[72] STARK, RONALD, CA
[73] WEIR CANADA, INC., CA
[85] 2020-08-31
[86] 2019-03-13 (PCT/IB2019/052035)
[87] (WO2019/180549)
[30] US (62/646,035) 2018-03-21

---

[11] **3,093,471**
[13] C
[51] **Int.Cl. A21C 11/02 (2006.01) A21B 5/02 (2006.01) B30B 1/04 (2006.01) B30B 1/06 (2006.01) B30B 1/26 (2006.01)**
[25] EN
[54] **HAND OPERATED PRESS**
[54] **PRESSE A COMMANDE MANUELLE**
[72] ZAPATA, DAVID, CO
[73] MU MECANICOS UNIDOS S.A.S, CO
[85] 2020-09-09
[86] 2019-03-08 (PCT/US2019/021408)
[87] (WO2019/173748)
[30] US (15/916,377) 2018-03-09

---

[11] **3,095,000**
[13] C
[51] **Int.Cl. B23K 37/053 (2006.01) B23B 5/16 (2006.01)**
[25] EN
[54] **PIPE FACING MACHINE SYSTEM**
[54] **SYSTEME DE MACHINE DE CHANFREINAGE DE TUYAU**
[72] TRIPP, JUSTIN, US
[72] SLATTERY, KEVIN, US
[72] FEROZEPURWALLA, ASHKAN, US
[72] GEISZLER, JASON, US
[73] TRI TOOL INC., US
[85] 2020-04-09
[86] 2018-10-23 (PCT/US2018/057038)
[87] (WO2019/083961)
[30] US (62/578,155) 2017-10-27

---

[11] **3,095,176**
[13] C
[51] **Int.Cl. G01N 33/72 (2006.01) G16H 50/20 (2018.01) G16H 50/30 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR ASSESSING IN VIVO TOXIC LEVELS OF BILIRUBIN AND DIAGNOSING INCREASED RISK OF BILIRUBIN NEUROTOXICITY**
[54] **PROCEDES ET DISPOSITIFS POUR EVALUER DES NIVEAUX TOXIQUES IN VIVO DE BILIRUBINE ET DIAGNOSTIQUER UN RISQUE ACCRU DE NEUROTOXICITE DE BILIRUBINE**
[72] AHLFORS, CHARLES E., US
[73] NEOMETRIX DX, US
[85] 2020-09-24
[86] 2019-04-02 (PCT/US2019/025423)
[87] (WO2019/195317)
[30] US (62/652,266) 2018-04-03

---

[11] **3,097,444**
[13] C
[51] **Int.Cl. F24C 15/20 (2006.01) F24F 11/34 (2018.01) F16K 17/38 (2006.01) F24F 13/10 (2006.01)**
[25] EN
[54] **EXHAUST FAN ASSEMBLY HAVING A SYSTEM FOR AUTOMATICALLY OPENING A DAMPER IN THE EVENT OF A POWER FAILURE**
[54] **ASSEMBLAGE DE VENTILATEUR D'EXTRACTION COMPRENANT UN SYSTEME POUR OUVRIR AUTOMATIQUEMENT UN REGISTRE EN CAS DE PANNE DE COURANT**
[72] HESS, JOSHUA J., US
[73] CAPTIVE-AIRE SYSTEMS, INC., US
[86] (3097444)
[87] (3097444)
[22] 2020-10-29
[30] US (16/680,528) 2019-11-12

[11] **3,102,402**
[13] C
[51] **Int.Cl. C05C 9/00 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **FERTILIZER COATING METHOD**
[54] **PROCEDE D'ENROBAGE D'ENGRAIS**
[72] SAIIA, JOSEPH ANTHONY, US
[72] PURSELL JR., JAMES TAYLOR, US
[72] BROOKS, STEPHEN MARK, US
[72] ROBERSON II, LEON, US
[72] SANDERS, SPENCER DANIEL, US
[72] SANDERS, ALLEN ZORN, US
[72] HASINOFF, MURRAY PAUL, US
[72] HEBERER, DANIEL PAUL, US
[72] FOGARTY, JUSTIN MCLEAN, US
[72] MODRZYNSKI, KRISTOPHER MICHAEL, US
[73] PURSELL AGRI-TECH, LLC, US
[73] HUNTSMAN INTERNATIONAL LLC, US
[85] 2020-12-02
[86] 2019-06-04 (PCT/IB2019/054628)
[87] (WO2020/016672)
[30] US (62/680,193) 2018-06-04
[30] EP (18177506.5) 2018-06-13

[11] **3,104,945**
[13] C
[51] **Int.Cl. B01F 27/94 (2022.01) B01D 33/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SEPARATING ORGANICS FROM A CONTAMINATED ORGANICS-INORGANICS WASTE STREAM**
[54] **PROCEDE ET APPAREIL POUR SEPARER DES MATIERES ORGANIQUES D'UN FLUX DE DECHETS ORGANIQUES-INORGANIQUES CONTAMINES**
[72] VANDERBEKEN, CEDRIC JEAN-LUC, CA
[72] VANDERBEKEN, OLIVIER HUGO CHRISTOPHER DANY, CA
[72] VANDERBEKEN, MARC, CA
[73] VANDERBEKEN, CEDRIC JEAN-LUC, BE
[73] VANDERBEKEN, OLIVIER HUGO CHRISTOPHER DANY, CA
[73] VANDERBEKEN, MARC, CA
[85] 2021-01-07
[86] 2018-06-21 (PCT/US2018/038702)
[87] (WO2019/245557)
[30] US (15/965,509) 2018-06-19

[11] **3,109,018**
[13] C
[51] **Int.Cl. A01C 7/12 (2006.01)**
[25] EN
[54] **SEED DELIVERY APPARATUS, SYSTEMS, AND METHODS**
[54] **APPAREIL, SYSTEMES ET PROCEDES DE DISTRIBUTION DE SEMENCES**
[72] RADTKE, IAN, US
[73] PRECISION PLANTING LLC, US
[86] (3109018)
[87] (3109018)
[22] 2014-08-29
[62] 2,921,666
[30] US (61/872,319) 2013-08-30
[30] US (61/923,449) 2014-01-03

[11] **3,109,612**
[13] C
[51] **Int.Cl. G06F 3/0481 (2022.01) G06F 3/0488 (2022.01) G06F 3/04842 (2022.01) G06F 3/04883 (2022.01)**
[25] EN
[54] **METHODS AND GRAPHICAL USER INTERFACES FOR EDITING ON A MULTIFUNCTION DEVICE WITH A TOUCH SCREEN DISPLAY**
[54] **PROCEDES ET INTERFACES UTILISATEURS GRAPHIQUES PERMETTANT DE REALISER DES MODIFICATIONS SUR UN DISPOSITIF MULTIFONCTIONS POURVU D'UN ECRAN D'AFFICHAGE TACTILE**
[72] ORDING, BAS, US
[72] KOCIENDA, KENNETH L., US
[72] MOORE, BRADFORD ALLEN, US
[72] ANZURES, FREDDY ALLEN, US
[72] VAN OS, MARCEL, US
[72] WILLIAMSON, RICHARD, US
[72] FORSTALL, SCOTT, US
[72] LEMAY, STEPHEN O., US
[73] APPLE INC., US
[86] (3109612)
[87] (3109612)
[22] 2010-03-11
[62] 3,050,448
[30] US (61/160,698) 2009-03-16
[30] US (12/565,751) 2009-09-24
[30] US (12/565,760) 2009-09-24
[30] US (12/565,757) 2009-09-24
[30] US (12/565,755) 2009-09-24
[30] US (12/565,759) 2009-09-24
[30] US (12/565,750) 2009-09-24
[30] US (12/565,752) 2009-09-24
[30] US (12/565,756) 2009-09-24
[30] US (12/565,754) 2009-09-24
[30] US (12/565,753) 2009-09-24

[11] **3,112,639**
[13] C
[51] **Int.Cl. A23G 9/04 (2006.01) A23G 9/08 (2006.01) A23G 9/22 (2006.01) A47J 31/40 (2006.01) A47J 43/04 (2006.01) F25D 31/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE PREPARATION OF COOLED EDIBLE PRODUCTS**
[54] **SYSTEME ET PROCEDE DE PREPARATION DE PRODUITS COMESTIBLES REFROIDIS**
[72] BETH HALACHMI, BARAK, IL
[73] SOLO GELATO LTD., IL
[86] (3112639)
[87] (3112639)
[22] 2013-02-11
[62] 3,027,306
[30] US (61/598,481) 2012-02-14
[30] US (61/650,734) 2012-05-23
[30] US (61/749,652) 2013-01-07

[11] **3,117,993**
[13] C
[51] **Int.Cl. A61N 5/10 (2006.01) G21F 3/00 (2006.01) G21F 3/04 (2006.01)**
[25] EN
[54] **MOBILE RADIATION ONCOLOGY COACH SYSTEM WITH INTERNAL AND/OR EXTERNAL SHIELDING FOR SAME**
[54] **SYSTEME MOBILE D'ENCADREMENT POUR LA RADIO-ONCOLOGIE DOTE D'UN BLINDAGE INTERNE ET/OU EXTERNE POUR CELUI-CI**
[72] CHAMBERLAIN, DAVID, US
[72] MURPHY, BRENT, US
[72] FREEMAN, HARRY, US
[73] ALLIANCE ONCOLOGY, LLC, US
[85] 2021-04-27
[86] 2020-01-17 (PCT/US2020/014175)
[87] (WO2020/113243)
[30] US (16/688,979) 2019-11-19

[11] **3,132,455**
[13] C
[51] **Int.Cl. H04B 7/185 (2006.01) H04B 7/204 (2006.01)**
[25] EN
[54] **DYNAMIC SINGLE CHANNEL PER CARRIER WITH IMPLICIT DYNAMIC BANDWIDTH ALLOCATION**
[54] **CANAL UNIQUE DYNAMIQUE PAR PORTEUSE AVEC ATTRIBUTION DE BANDE PASSANTE DYNAMIQUE IMPLICITE**
[72] SETHI, YOGESH, US
[73] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2021-09-02
[86] 2020-02-24 (PCT/US2020/019528)
[87] (WO2020/185378)
[30] US (16/298,219) 2019-03-11

[11] **3,133,965**
[13] C
[51] **Int.Cl. G01B 3/00 (2006.01) G01B 3/06 (2006.01) G01B 3/56 (2006.01) G01B 5/00 (2006.01) G01B 21/22 (2006.01)**
[25] EN
[54] **ADJUSTABLE ANGLE MEASUREMENT TOOL**
[54] **OUTIL DE MESURE D'ANGLE REGLABLE**
[72] VUKAJ, DAVID, US
[73] VUKAJ, DAVID, US
[85] 2021-09-16
[86] 2020-01-31 (PCT/US2020/016114)
[87] (WO2020/197635)
[30] US (16/362,402) 2019-03-22

[11] **3,136,514**
[13] C
[51] **Int.Cl. F21S 8/00 (2006.01) F21K 9/00 (2016.01) F21S 8/08 (2006.01) F21S 9/03 (2006.01) F21V 19/00 (2006.01)**
[25] EN
[54] **SOLAR LIGHT FIXTURE FOR PLAYGROUND POST CAP**
[54] **APPAREIL D'ECLAIRAGE SOLAIRE POUR LES CAPUCHONS DE POTEAUX D'UN TERRAIN DE JEU**
[72] BARBER, JEFFREY, B., US
[72] HOBSON, JOHN, BLAKE, US
[72] PARODY, MICHAEL, L., US
[72] EGAN, D. TAFT, US
[72] ERDLEY, PHILIP, M., US
[72] KARCHNER, STEVE, US
[73] PLAYPOWER, INC., US
[86] (3136514)
[87] (3136514)
[22] 2021-10-28
[30] US (17/084,054) 2020-10-29

[11] **3,137,016**
[13] C
[51] **Int.Cl. A61K 36/07 (2006.01) B01D 11/02 (2006.01)**
[25] EN
[54] **PSYCHOACTIVE ALKALOID EXTRACTION AND COMPOSITION WITH INHIBITED DEPHOSPHORYLATION**
[54] **EXTRACTION D'ALCALOIDE PSYCHOACTIF ET COMPOSITION AVEC DEPHOSPHORYLATIONATTENUEES**
[72] LIGHTBURN, BENJAMIN, CA
[72] MOSS, RYAN, CA
[72] RANKEN, LISA, CA
[73] PSILO SCIENTIFIC LTD., CA
[85] 2021-10-29
[86] 2021-06-14 (PCT/CA2021/050813)
[87] (WO2021/253116)
[30] US (63/040,317) 2020-06-17
[30] US (63/046,089) 2020-06-30
[30] CA (3089455) 2020-08-07
[30] CA (3088384) 2020-09-27
[30] CA (3097246) 2020-10-23
[30] CA (3101765) 2020-12-04
[30] CA (3103737) 2020-12-18

Canadian Applications Open to Public Inspection

July 31, 2022 to August 6, 2022

Demandes canadiennes mises à la disponibilité du public

31 juillet 2022 au 6 août 2022

---

[21] **3,107,581**
[13] A1
[51] **Int.Cl. E02D 7/06 (2006.01) E02D 7/22 (2006.01)**
[25] EN
[54] **ROTARY DRIVE MACHINE FOR HELICAL PILE INSTALLATION AND METHOD OF USE**
[54] **MACHINE D'ENTRAINEMENT ROTATIF POUR L'INSTALLATION DE PIEUX HELICOIDES ET METHODE D'UTILISATION**
[72] PAUN, TERRY, CA
[72] PAUN, REBECCA, CA
[71] PAUN, TERRY, CA
[71] PAUN, REBECCA, CA
[22] 2021-02-01
[41] 2022-08-01

---

[21] **3,107,602**
[13] A1
[51] **Int.Cl. A61K 38/07 (2006.01) A61K 31/69 (2006.01) A61K 38/05 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **USE OF PROTEASOME INHIBITORS IN THE TREATMENT OF CORONAVIRUS INFECTIONS**
[54] **UTILISATIONS D'INHIBITEURS DE PROTEASOME DANS LE TRAITEMENT DES INFECTIONS DU CORONAVIRUS**
[72] BESS, ADAM, US
[72] BERGLIND, FREJ KNUT GOSTA, US
[72] MUKHOPADHYAY, SUPRATIK, US
[72] WASAN, KISHOR M., CA
[72] GALLIANO, CHRIS, US
[72] BRYLINSKI, MICHAL, US
[72] CORMIER, STEPHANIA, US
[72] JELESIJEVIC, TOMISLAV, US
[72] ADER, ALLAN, US
[72] GRIGGS, NICHOLAS, US
[72] GOULD, JANET, US
[72] CHO, TIFFANY, US
[72] ABRAMOV, JULIA, US
[72] HNIK, PETER, US
[71] SKYMOUNT MEDICAL US INC., US
[71] THE BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, US
[22] 2021-02-01
[41] 2022-08-01

---

[21] **3,107,808**
[13] A1
[51] **Int.Cl. G16Z 99/00 (2019.01) G06Q 50/10 (2012.01) G06N 3/02 (2006.01)**
[25] EN
[54] **PHOTO ASSISTED SELF-DIAGNOSIS OF APPLIANCES**
[54] **AUTODIAGNOSTIC D'APPAREILS A L'AIDE DE PHOTOS**
[72] NGUYEN, THE VINH, VN
[72] TRAN, THI THANH THUY, VN
[72] VUONG, HOANG PHUONG LINH, VN
[72] HUYNH, MINH MAN, VN
[71] FIXEASE SERVICES INC., CA
[22] 2021-02-02
[41] 2022-08-02

---

[21] **3,107,840**
[13] A1
[51] **Int.Cl. A01D 67/00 (2006.01) B60D 1/42 (2006.01)**
[25] EN
[54] **TWO WAY OFFSET IMPLEMENT HITCH**
[54] **ATTELAGE D'APPAREIL DECALE SUR DEUX PLANS**
[72] HOFMANN, TODD, CA
[71] SCHULTE INDUSTRIES LTD., CA
[22] 2021-02-02
[41] 2022-08-02

---

[21] **3,107,889**
[13] A1
[51] **Int.Cl. A63F 13/52 (2014.01) A63F 13/55 (2014.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING TACTICAL ASSISTANCE TO A PLAYER IN A SHOOTING VIDEO GAME**
[54] **METHODE ET SYSTEME DE SUPPORT TACTIQUE A UN JOUEUR DANS UN JEU VIDEO DE TIR**
[72] KHAN, FAHAD, CA
[71] EIDOS INTERACTIVE CORP., CA
[22] 2021-02-02
[41] 2022-08-02

[21] **3,107,894**
[13] A1
[51] **Int.Cl. E21B 23/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR ACTUATING DOWNHOLE TOOL**
[54] **METHODE ET PROCEDE SERVANT A ACTIONNER UN OUTIL DE FOND DE PUITS**
[72] ARABSKYY, SERHIY, CA
[72] BARABASH, ANDREW, CA
[71] INTERRA ENERGY SERVICES LTD., CA
[22] 2021-02-02
[41] 2022-08-02

---

[21] **3,107,995**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06F 11/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING EVENTS IN PROCESS MANAGEMENT SYSTEMS**
[54] **SYSTEME ET METHODE DE SURVEILLANCE D'EVENEMENTS DANS LES SYSTEMES DE GESTION DES PROCEDES**
[72] DELJAVAN FARSHI, ARASH, CA
[72] ATTARD, IVAN, CA
[72] SAMRA, PREETKANWAL, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-02-03
[41] 2022-08-03

---

[21] **3,107,996**
[13] A1
[51] **Int.Cl. B03B 5/26 (2006.01) B02C 23/18 (2006.01)**
[25] EN
[54] **CONTINUOUS SLUICING METHOD, AND SYSTEM USING SAME**
[54] **METHODE DE LAVAGE AU SLUICE EN CONTINU ET SYSTEME L'UTILISANT**
[72] POMEDLI, ALEX ISTVAN, CA
[71] POMEDLI, ALEX ISTVAN, CA
[22] 2021-02-02
[41] 2022-08-02

---

[21] **3,108,017**
[13] A1
[51] **Int.Cl. F25B 23/00 (2006.01) F25B 41/24 (2021.01) F28D 15/02 (2006.01)**
[25] EN
[54] **REFRIGERATION SYSTEM**
[54] **SYSTEME DE REFRIGERATION**
[72] STEVENSON, ALBERT ROBERT, CA
[71] ASHER HOLDINGS LTD., CA
[22] 2021-02-03
[41] 2022-08-03

---

[21] **3,108,023**
[13] A1
[51] **Int.Cl. G10D 3/147 (2020.01) G10D 1/08 (2006.01) G10G 7/00 (2006.01)**
[25] EN
[54] **MODIFIED RAIL SLIDE FOR STEEL GUITAR FOR PHYSICALLY CHALLENGED INDIVIDUALS**
[54] **COULISSE SUR RAIL MODIFIEE POUR UNE GUITARE SUR TABLE POUR LES PERSONNES PRESENTANT UNE DEFICIENCE PHYSIQUE**
[72] BAKER, RANDY, CA
[71] BAKER, RANDY, CA
[22] 2021-02-03
[41] 2022-08-03

---

[21] **3,108,130**
[13] A1
[51] **Int.Cl. F26B 7/00 (2006.01) F26B 3/347 (2006.01) F26B 5/04 (2006.01) F26B 11/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR VACUUM MICROWAVE-DEHYDRATING OF ORGANIC MATERIALS**
[54] **APPAREIL ET METHODE DE DESHYDRATATION SOUS VIDE PAR MICRO-ONDES DE MATIERES ORGANIQUES**
[72] GUO, SHI NING, CA
[72] GUO, JING YU, CA
[71] GUO, SHI NING, CA
[22] 2021-02-04
[41] 2022-08-04

---

[21] **3,108,166**
[13] A1
[51] **Int.Cl. H04W 24/06 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED TESTING**
[54] **SYSTEME ET METHODE DE MISE A L'ESSAI AUTOMATISEE**
[72] SINGH, JASKARAN, CA
[72] HOSSAIN, SYED JUBAIR, CA
[72] KATHURIA, AAYUSH, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-02-04
[41] 2022-08-04

---

[21] **3,108,167**
[13] A1
[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/37 (2006.01) A61H 1/00 (2006.01) A61H 1/02 (2006.01)**
[25] EN
[54] **SUPPORT DEVICE FOR MANUAL THERAPY**
[54] **DISPOSITIF DE SUPPORT POUR THERAPIE MANUELLE**
[72] PUREWAL, MANVIR SINGH, CA
[71] PURE LIFE HEALTH CENTRE LTD., CA
[22] 2021-02-05
[41] 2022-08-05

---

[21] **3,108,188**
[13] A1
[51] **Int.Cl. A47L 13/52 (2006.01) A46B 15/00 (2006.01) A46B 17/08 (2006.01)**
[25] EN
[54] **BROOM AND DUST PAN COMBINATION**
[54] **COMBINAISON DE BALAI ET DE RAMASSE-POUSSIERE**
[72] DINNALL, SHERIDON, CA
[71] DINNALL, SHERIDON, CA
[22] 2021-02-05
[41] 2022-08-05

[21] **3,108,199**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 40/08 (2012.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXECUTING PARALLEL WORKFLOWS**
[54] **SYSTEME ET METHODE D'EXECUTION DE FLUX DE TRAVAIL EN PARALLELE**
[72] LEGER, SIMON KARCZEWSKI, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-02-04
[41] 2022-08-04

---

[21] **3,108,218**
[13] A1
[51] **Int.Cl. F16K 15/03 (2006.01) E03C 1/122 (2006.01) E03F 7/04 (2006.01) F16K 15/18 (2006.01)**
[25] EN
[54] **A NORMALLY OPEN BACKWATER PREVENTION VALVE**
[54] **CLAPET DE NON-RETOUR NORMALEMENT OUVERT**
[72] MANTYLA, JAMES, CA
[72] BALDWIN, SCOTT, CA
[71] CANPLAS INDUSTRIES LTD., CA
[22] 2021-02-05
[41] 2022-08-05

---

[21] **3,108,223**
[13] A1
[51] **Int.Cl. F24D 13/02 (2006.01) F21V 17/08 (2006.01) F21V 21/02 (2006.01) H05B 3/00 (2006.01)**
[25] EN
[54] **RADIANT HEATER**
[54] **RADIATEUR DE CHAUFFAGE**
[72] TARTAGLIA, BRANDON, CA
[71] INFORESIGHT CONSUMER PRODUCTS INC., CA
[22] 2021-02-05
[41] 2022-08-05

---

[21] **3,108,225**
[13] A1
[51] **Int.Cl. H02K 53/00 (2006.01)**
[25] EN
[54] **CONNECTING POWER SUPPLY NOT DIRECTLY TO THE LOAD, BUT THROUGH ENERGY STORAGE**
[54] **BRANCHEMENT DE BLOC D'ALIMENTATION NON DIRECTEMENT A LA CHARGE, MAIS PAR L'INTERMEDIAIRE D'UN DISPOSITIF DE STOCKAGE D'ENERGIE**
[72] MORDOUKHOVICH, IGOR, CA
[71] MORDOUKHOVICH, IGOR, CA
[22] 2021-02-05
[41] 2022-08-05

---

[21] **3,108,280**
[13] A1
[51] **Int.Cl. A61M 3/02 (2006.01) A61B 17/02 (2006.01) A61F 9/00 (2006.01) A61H 35/02 (2006.01)**
[25] EN
[54] **EYELID RETRACTOR AND IRRIGATION TOOL**
[54] **RETRACTEUR DE PAUPIERE ET OUTIL D'IRRIGATION**
[72] KONDAPALLI, SRINIVAS SAI APPALA, US
[71] KONDAPALLI, SRINIVAS SAI APPALA, US
[22] 2021-02-04
[41] 2022-08-04

---

[21] **3,109,491**
[13] A1
[51] **Int.Cl. B60P 3/06 (2006.01) B60P 3/12 (2006.01) B62D 55/00 (2006.01)**
[25] EN
[54] **SNOWMOBILE TOWING AND RECOVERY VEHICLES AND SLEIGHS**
[54] **REMORQUAGE DE MOTONEIGES ET VEHICULES ET TRAINEAUX DE RECUPERATION**
[72] LACARIA, DOMENIC, XX
[71] LACARIA, DOMENIC, XX
[22] 2021-02-05
[41] 2022-08-05

---

[21] **3,109,792**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G16H 50/30 (2018.01) H04W 4/80 (2018.01) A61B 5/16 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SENDING BIOMETRIC DATA BASED INCENTIVES**
[54] **METHODE ET SYSTEME D'ENVOI INCITATIFS FONDES SUR LES DONNEES BIOMETRIQUES**
[72] NAVARRO, MIGUEL, CA
[72] HAUSE, MATHEW, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-02-22
[41] 2022-08-05
[30] US (17/168,267) 2021-02-05

---

[21] **3,109,797**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G16H 50/30 (2018.01) A61B 5/16 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SENDING BIOMETRIC DATA BASED INCENTIVES**
[54] **METHODE ET SYSTEME D'ENVOI INCITATIFS FONDES SUR LES DONNEES BIOMETRIQUES**
[72] NAVARRO, MIGUEL, CA
[72] HAUSE, MATHEW, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-02-22
[41] 2022-08-05
[30] US (17/168,267) 2021-02-05

[21] **3,110,949**
[13] A1
[51] **Int.Cl. B60K 37/00 (2006.01) B62D 33/063 (2006.01) B62D 65/02 (2006.01)**
[25] EN
[54] **ASSEMBLY AND METHOD FOR REVERSING DRIVER'S AND PASSENGER'S SIDES IN A TRUCK CAB**
[54] **ENSEMBLE ET METHODE POUR INVERSER LES COTES CONDUCTEUR ET PASSAGER DANS UNE CABINE DE CAMION**
[72] PEKSA, IAN, US
[72] MOUA, PHILLIP, US
[72] JAYNES, DAN, US
[71] FONTAINE MODIFICATION COMPANY, US
[22] 2021-03-02
[41] 2022-08-03
[30] US (17/166,361) 2021-02-03

---

[21] **3,111,055**
[13] A1
[51] **Int.Cl. A63B 21/072 (2006.01)**
[25] EN
[54] **ADJUSTABLE DUMBBELL GRIP STRUCTURE**
[54] **STRUCTURE DE POIGNEE D'HALTERE**
[72] YANG, CHUNYU, CN
[71] SHANDONG AOCHUANG FITNESS EQUIPMENT CO., LTD., CN
[22] 2021-03-03
[41] 2022-08-04
[30] CN (2021101666715) 2021-02-04

---

[21] **3,113,296**
[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR RECOVERING HYDROCARBONS USING A SUPERCRITICAL FLUID**
[54] **SYSTEME ET PROCEDE DE RECUPERATION D'HYDROCARBURES AU MOYEN D'UN LIQUIDE SUPERCRITIQUE**
[72] STORSLETT, STEIN, US
[72] SEGERSTROM, JOHN, US
[71] CHEVRON U.S.A. INC., US
[22] 2021-03-25
[41] 2022-08-01
[30] US (17/164294) 2021-02-01

---

[21] **3,113,471**
[13] A1
[51] **Int.Cl. A41D 19/00 (2006.01)**
[25] EN
[54] **WORK GLOVE**
[54] **GANT DE TRAVAIL**
[72] WEED, CHRISTOPHER MATTHEW, US
[72] BUTTS, MARK LEE, US
[72] FIEVET, JAMES BLAKE, US
[72] LI, JING, US
[72] STRENG, JARROD THOMAS, US
[71] THE HILLMAN GROUP, INC., US
[22] 2021-03-30
[41] 2022-08-03
[30] US (17/166,167) 2021-02-03

---

[21] **3,113,796**
[13] A1
[51] **Int.Cl. B01J 20/26 (2006.01) B01D 15/00 (2006.01)**
[25] EN
[54] **CELLULOSE-BASED MULTIPLE HEAVY METAL ION ADSORPTIVE MATERIAL AND PREPARATION METHOD AND USE THEREOF**
[54] **MATERIAU ADSORBATEUR D'IONS METALLIQUES LOURDS A BASE DE CELLULOSE ET METHODE DE PREPARATION ET D'UTILISATION CONNEXE**
[72] ZHU, HONGXIANG, CN
[72] WANG, LEI, CN
[72] HE, HUI, CN
[72] ZHOU, HANG, CN
[72] WANG, SHUANGFEI, CN
[71] GUANGXI UNIVERSITY, CN
[22] 2021-03-30
[41] 2022-08-03
[30] CN (202110152454.0) 2021-02-03

---

[21] **3,113,811**
[13] A1
[51] **Int.Cl. H04W 12/08 (2021.01) H04W 8/24 (2009.01) H04W 12/06 (2021.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR COMPLETING AN OPERATION**
[54] **METHODE ET SYSTEME POUR ACHEVER UNE OPERATION**
[72] NAVARRO, MIGUEL, CA
[72] SUTTER, LEVI, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-03-31
[41] 2022-08-05
[30] US (17/168,237) 2021-02-05

---

[21] **3,113,885**
[13] A1
[51] **Int.Cl. F21V 21/14 (2006.01) F21V 21/104 (2006.01) F21V 21/30 (2006.01)**
[25] EN
[54] **LIGHT FIXTURES WITH ROTATE AND TILT CAPABILITIES**
[54] **APPAREILS D'ECLAIRAGE AYANT DES CARACTERISTIQUES DE ROTATION ET D'INCLINAISON**
[72] KEMPARAJU, GAUTHAM RAJ, US
[72] CLARK, STEPHEN HOWARD, US
[72] GROVE, DOUGLAS DEWAYNE, US
[71] ABL IP HOLDING LLC, US
[22] 2021-03-31
[41] 2022-08-04
[30] US (17/167,313) 2021-02-04

---

[21] **3,117,651**
[13] A1
[51] **Int.Cl. F16M 13/02 (2006.01) E06C 1/34 (2006.01) A01M 31/02 (2006.01)**
[25] EN
[54] **MOUNTING BRACKETS AND UTILITY MOUNT**
[54] **SUPPORTS DE MONTAGE ET SOCLE UTILITAIRE**
[72] WYNALDA, ROBERT M., JR., US
[71] FOURTH ARROW, LLC, US
[22] 2021-05-06
[41] 2022-08-05
[30] US (17/168878) 2021-02-05

---

[21] **3,118,124**
[13] A1
[51] **Int.Cl. H04L 67/50 (2022.01) G06Q 10/10 (2012.01) H04L 67/55 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXECUTING A NOTIFICATION SERVICE**
[54] **SYSTEME ET METHODE POUR EXECUTER UN SERVICE DE NOTIFICATION**
[72] DELJAVAN FARSHI, ARASH, CA
[72] ATTARD, IVAN, CA
[72] ILES, ADEL, CA
[72] SAMRA, PREETKANWAL, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-05-12
[41] 2022-08-03
[30] US (17/248,693) 2021-02-03

[21] **3,119,677**
[13] A1
[51] **Int.Cl. C25B 1/00 (2021.01)**
[25] EN
[54] **APPARATUSES AND METHODS AND FOR CARBON DIOXIDE CAPTURING AND ELECTRICAL ENERGY PRODUCING SYSTEM**
[54] **APPAREILS ET METHODES POUR UN SYSTEME DE CAPTURE DE DIOXYDE DE CARBONE ET DE PRODUCTION D'ELECTRICITE**
[72] ASFHA, SOLOMON, CA
[71] ASFHA, SOLOMON, CA
[22] 2021-05-26
[41] 2022-08-03

---

[21] **3,119,937**
[13] A1
[51] **Int.Cl. E04F 13/07 (2006.01) E04F 19/00 (2006.01)**
[25] EN
[54] **PROFILE SYSTEM FOR INTERSECTING JOINTS**
[54] **SYSTEME DE PROFIL POUR DES JOINTS INTERSECTES**
[72] SCHLUTER, WERNER, DE
[71] SCHLUTER SYSTEMS (CANADA) INC., CA
[22] 2021-05-27
[41] 2022-08-01
[30] DE (DE 20 2021 100 478.9) 2021-02-01

---

[21] **3,129,628**
[13] A1
[51] **Int.Cl. A24F 40/465 (2020.01) A24D 3/17 (2020.01) A24F 40/42 (2020.01) A24F 1/30 (2006.01)**
[25] EN
[54] **HEATING DEVICE COMPRISING HEATING ELEMENT AND HIGH-FREQUENCY HEATING ASSEMBLY**
[54] **DISPOSITIF DE CHAUFFAGE COMPRENANT UN ELEMENT CHAUFFANT ET ASSEMBLAGE DE CHAUFFAGE A HAUTE FREQUENCE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2021-09-01
[41] 2022-08-02
[30] CN (202110142552.6) 2021-02-02
[30] CN (202120294144.8) 2021-02-02

---

[21] **3,131,711**
[13] A1
[51] **Int.Cl. B65G 65/23 (2006.01) B66F 9/02 (2006.01) B67C 9/00 (2006.01)**
[25] EN
[54] **ROTATING CONTAINER DUMPER**
[54] **BASCULATEUR DE CONTENEUR ROTATIF**
[72] LATVYS, EVALDAS, US
[71] ADVANCE LIFTS, INC., US
[22] 2021-09-23
[41] 2022-08-02
[30] US (17/165,132) 2021-02-02

---

[21] **3,141,858**
[13] A1
[51] **Int.Cl. G06F 9/44 (2018.01) G06F 21/62 (2013.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING ACCOUNT PERMISSIONS BASED ON APPLICATION PROGRAMMING INTERFACE INTERACTIONS**
[54] **SYSTEMES ET METHODES DE GENERATION DE PERMISSIONS DE COMPTE EN FONCTION DES INTERACTIONS D'INTERFACE DE PROGRAMMATION D'APPLICATIONS**
[72] KULAI, SANDESH KINI, CA
[72] SWAN, BRIAN, CA
[71] SHOPIFY INC., CA
[22] 2021-12-10
[41] 2022-08-05
[30] US (17/168675) 2021-02-05
[30] EP (21207302.7) 2021-11-09

---

[21] **3,142,067**
[13] A1
[51] **Int.Cl. G06Q 50/00 (2012.01) G06Q 50/06 (2012.01) G16Y 10/80 (2020.01)**
[25] EN
[54] **BACNET CONVERSION OF WATER MANAGEMENT DATA FOR BUILDING MANAGEMENT SOLUTIONS**
[54] **CONVERSION BACNET DES DONNEES DE GESTION DE L'EAU POUR DES SOLUTIONS DE GESTION DE BATIMENTS**
[72] CHAKRABORTY, ARINDAM, US
[72] RYER, RICHARD, US
[71] ZURN INDUSTRIES, LLC, US
[22] 2021-12-13
[41] 2022-08-01
[30] US (17/163,774) 2021-02-01

---

[21] **3,142,150**
[13] A1
[25] EN
[54] **INNER LIGHT LAYER ILLUMINATION OPTICAL IMAGING APPARATUS IN TURBID MEDIA AND CORRESPONDING METHOD UTILIZING MULTI-BEAM INTERFERENCE**
[54] **APPAREIL D'IMAGERIE OPTIQUE POUR L'ILLUMINATION PAR UNE COUCHE DE LUMIERE INTERIEURE DANS UNE SUBSTANCE TROUBLE ET METHODE CONNEXE UTILISANT UNE INTERFERENCE A FAISCEAUX MULTIPLES**
[72] LIU, SHANGQING, CA
[71] LIU, SHANGQING, CA
[22] 2021-12-14
[41] 2022-08-05
[30] US (17/169,394) 2021-02-05

---

[21] **3,143,057**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPERATING A MATERIAL METERING SYSTEM OF AN AGRICULTURAL IMPLEMENT**
[54] **SYSTEME ET PROCEDE D'EXPLOITATION D'UN DOSEUR A MATERIAUX D'UN OUTIL AGRICOLE**
[72] RYDER, NICHOLAS GEORGE ALFRED, CA
[72] NAYLOR, MATTHEW STUART, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2021-12-20
[41] 2022-08-05
[30] US (17/168,384) 2021-02-05

[21] **3,143,655**
[13] A1
[25] EN
[54] **ENHANCED SWITCHGEAR MONITORING AND DIAGNOSTICS IN A PROTECTION RELAY**
[54] **SURVEILLANCE ET DIAGNOSTIC AMELIORES D'APPAREILLAGE DE CONNEXION DANS UN RELAIS DE PROTECTION**
[72] PAMULAPARTHY, BALAKRISHNA, IN
[72] PARIKH, PALAK PRADUMAN, IN
[72] PILON, MICHAEL, IN
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[22] 2021-12-22
[41] 2022-08-01
[30] US (17/164,804) 2021-02-01

---

[21] **3,143,736**
[13] A1
[51] **Int.Cl. B64C 13/34 (2006.01) B64C 13/50 (2006.01) F16H 1/28 (2006.01) F16H 31/00 (2006.01) F16H 35/00 (2006.01) F16H 49/00 (2006.01) F16H 61/22 (2006.01)**
[25] EN
[54] **ACTUATOR ASSEMBLY**
[54] **MECANISME DE COMMANDE**
[72] MEDINA, RAPHAEL, FR
[72] POTIER, KARL, FR
[72] BOITARD, CORENTIN, FR
[71] GOODRICH ACTUATION SYSTEMS SAS, FR
[22] 2021-12-22
[41] 2022-08-05
[30] EP (21305160.0) 2021-02-05

---

[21] **3,144,935**
[13] A1
[51] **Int.Cl. A41D 15/00 (2006.01) A41D 27/00 (2006.01)**
[25] EN
[54] **ARTICLES OF CLOTHING WITH INTERCHANGEABLE PANELS**
[54] **VETEMENTS A PANNEAUX INTERCHANGEABLES**
[72] SOURALAYSACK, JANE, CA
[72] SIVA, LAKE, CA
[71] CREATOR TORONTO INC., CA
[22] 2022-01-07
[41] 2022-08-03
[30] US (63/162,708) 2021-03-18
[30] US (63/145,119) 2021-02-03

---

[21] **3,145,032**
[13] A1
[51] **Int.Cl. F02C 7/12 (2006.01) F01D 17/04 (2006.01) F01D 25/12 (2006.01) F01D 25/30 (2006.01) F02C 7/36 (2006.01)**
[25] EN
[54] **TORQUE PROBE COOLING FOR GAS TURBINE ENGINE USING INTERNAL FLUID FLOW**
[54] **REFROIDISSEMENT DE CAPTEUR DE COUPE POUR UNE TURBINE A GAZ AU MOYEN D'UN ECOULEMENT DE LIQUIDE INTERNE**
[72] TURCOTTE, HERVE, CA
[72] NACCACHE, GABRIEL, CA
[72] LOGAN, ADAM, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-07
[41] 2022-08-02
[30] US (17/165,033) 2021-02-02

---

[21] **3,145,036**
[13] A1
[51] **Int.Cl. F02C 7/12 (2006.01) F01D 17/04 (2006.01) F02C 7/18 (2006.01)**
[25] EN
[54] **TORQUE PROBE COOLING FOR GAS TURBINE ENGINE USING EXTERNAL AIR**
[54] **REFROIDISSEMENT DE CAPTEUR DE COUPE POUR UNE TURBINE A GAZ AU MOYEN DE L'AIR EXTERNE**
[72] TURCOTTE, HERVE, CA
[72] NACCACHE, GABRIEL, CA
[72] LOGAN, ADAM, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-07
[41] 2022-08-02
[30] US (17/165,046) 2021-02-02

---

[21] **3,145,132**
[13] A1
[51] **Int.Cl. F17C 7/02 (2006.01) B60L 50/72 (2019.01) F17C 9/00 (2006.01)**
[25] EN
[54] **DEVICE FOR SUPPLYING FLUID TO A USER APPARATUS**
[54] **DISPOSITIF POUR ALIMENTER UN LIQUIDE A UN APPAREIL UTILISATEUR**
[72] PENNEC, YAN, FR
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[22] 2022-01-10
[41] 2022-08-01
[30] FR (2100941) 2021-02-01

---

[21] **3,145,529**
[13] A1
[51] **Int.Cl. B65D 43/02 (2006.01) A45F 3/18 (2006.01)**
[25] EN
[54] **REPLACABLE CONTAINER PROTECTIVE COVER**
[54] **COUVERCLE DE PROTECTION DE CONTENANT REMPLACABLE**
[72] HUANG, PO-CHUN, TW
[71] HUANG, PO-CHUN, TW
[22] 2022-01-12
[41] 2022-08-02
[30] US (17/165,911) 2021-02-02

---

[21] **3,145,596**
[13] A1
[51] **Int.Cl. A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **TOMATO HYBRID SVTH3452 AND PARENTS THEREOF**
[54] **TOMATE HYBRIDE SVTH3452 ET PARENTS**
[72] KRIVANEK, ALAN, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2022-01-12
[41] 2022-08-01
[30] US (17/164315) 2021-02-01

[21] **3,145,693**
[13] A1
[51] **Int.Cl. A01B 76/00 (2006.01) A01B 79/00 (2006.01) A01C 14/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SELECTIVE MATERIAL PLACEMENT, SENSING, AND CONTROL**
[54] **SYSTEMES ET METHODES POUR LE PLACEMENT, LA DETECTION ET LE CONTROLE SELECTIFS DE MATERIAUX**
[72] HUBNER, CARY S., US
[72] WONDERLICH, GRANT, J., US
[71] DEERE & COMPANY, US
[22] 2022-01-13
[41] 2022-08-04
[30] US (17/167,784) 2021-02-04
[30] US (17/169,766) 2021-02-08

[21] **3,145,708**
[13] A1
[51] **Int.Cl. F01D 25/14 (2006.01) F01D 9/04 (2006.01) F01D 25/12 (2006.01) F01D 25/24 (2006.01) F02C 7/12 (2006.01)**
[25] EN
[54] **TANGENTIAL ON-BOARD INJECTOR**
[54] **INJECTEUR EMBARQUE TANGENTIEL**
[72] TREMBLAY, CHRISTOPHE, CA
[72] DI PAOLA, FRANCO, CA
[72] NADEAU, OLIVIER, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-13
[41] 2022-08-03
[30] US (17/166,184) 2021-02-03

[21] **3,145,950**
[13] A1
[51] **Int.Cl. B64D 47/00 (2006.01) G16Z 99/00 (2019.01) G16Y 10/40 (2020.01)**
[25] EN
[54] **ONBOARD ANALYTICS SYSTEM AND METHODS OF USE**
[54] **SYSTEME D'ANALYSE A BORD ET METHODES D'UTILISATION**
[72] SANTIAGO, RODOLFO A., US
[72] DURAIRAJ, SURYA SUNDAR RAJ, US
[72] DE LEON, ALYSSA MARIE, US
[72] OJHA, ARUN, US
[72] HADLEY, KYLE MCLAREN, US
[71] THE BOEING COMPANY, US
[22] 2022-01-17
[41] 2022-08-02
[30] US (63/144,579) 2021-02-02

[21] **3,145,957**
[13] A1
[51] **Int.Cl. E02D 7/22 (2006.01) E02D 5/56 (2006.01)**
[25] EN
[54] **ROTARY DRIVE MACHINE FOR HELICAL PILE INSTALLATION AND METHOD OF USE**
[54] **MACHINE D'ENTRAINEMENT ROTATIF POUR L'INSTALLATION DE PIEUX HELICOIDES ET METHODE D'UTILISATION**
[72] PAUN, TERRY, CA
[72] PAUN, REBECCA, CA
[71] PAUN, TERRY, CA
[71] PAUN, REBECCA, CA
[22] 2022-01-18
[41] 2022-08-01
[30] CA (3,107,581) 2021-02-01
[30] US (17/497,898) 2021-10-09

[21] **3,146,076**
[13] A1
[51] **Int.Cl. F02C 7/262 (2006.01) F01D 21/00 (2006.01) F01D 21/14 (2006.01) G01M 15/14 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETECTING AND RESPONDING TO AN ENGINE DISTURBANCE**
[54] **METHODES ET SYSTEMES POUR DETECTER UNE PERTURBATION DE MOTEUR ET LA CORRIGER**
[72] ROY, BENJAMIN, CA
[72] FISHBEIN, BRYAN, CA
[72] ARULSUTHAN, TIMOTHY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-18
[41] 2022-08-01
[30] US (17/163,981) 2021-02-01

[21] **3,146,112**
[13] A1
[51] **Int.Cl. F23Q 3/00 (2006.01)**
[25] EN
[54] **SPARK IGNITION PILOT ASSEMBLY**
[54] **ENSEMBLE VEILLEUSE A ALLUMAGE PAR ETINCELLE**
[72] PLANER, ALEX, US
[72] ELLINGWOOD, CHRIS, US
[71] THE MARLEY COMPANY LLC, US
[22] 2022-01-19
[41] 2022-08-05
[30] US (17/168,869) 2021-02-05

[21] **3,146,147**
[13] A1
[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/13 (2012.01) E21B 47/18 (2012.01)**
[25] EN
[54] **OPTIMIZATION OF AUTOMATED TELEMETRY FOR A DOWNHOLE DEVICE**
[54] **OPTIMISATION DE LA TELEMESURE AUTOMATISEE POUR UN DISPOSITIF DE FOND DE TROU**
[72] MILLER, KENNETH, US
[72] ERDOS, DAVID, US
[72] ERDOS, ABRAHAM, US
[71] ERDOS MILLER, INC, US
[22] 2022-01-19
[41] 2022-08-04
[30] US (17/167,602) 2021-02-04

[21] **3,146,278**
[13] A1
[51] **Int.Cl. E03D 11/16 (2006.01)**
[25] EN
[54] **TELESCOPING TOILET MOUNTING FLANGE**
[54] **BRIDE DE FIXATION TELESCOPIQUE DE TOILETTE**
[72] JACKMAN, JOHN D., US
[72] JACKMAN, CHRISTOPHER M., US
[72] JACKMAN, BRIAN F., US
[71] JACKMAN, JOHN D., US
[71] JACKMAN, CHRISTOPHER M., US
[71] JACKMAN, BRIAN F., US
[22] 2022-01-20
[41] 2022-08-02
[30] US (17/165672) 2021-02-02

[21] **3,146,521**
[13] A1
[51] **Int.Cl. G06F 9/455 (2018.01) G06F 9/46 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF TIMEKEEPING FOR A VIRTUAL MACHINE HAVING MULTIPLE VIRTUAL PROCESSING CORES**
[54] **SYSTEME ET METHODE DE MINUTAGE POUR UNE MACHINE VIRTUELLE AYANT DE MULTIPLES COEURS DE PROCESSEUR VIRTUELS**
[72] DALE, TIMOTHY JAMES, US
[72] PATTERSON, GLENN ALAN, US
[72] HOTRA, JONATHAN NICHOLAS, US
[72] SOWADSKI, CRAIG H., US
[71] THE BOEING COMPANY, US
[22] 2022-01-18
[41] 2022-08-02
[30] US (63/144,725) 2021-02-02

[21] **3,146,585**
[13] A1
[51] **Int.Cl. B66C 23/72 (2006.01) E02D 27/01 (2006.01) E02D 27/32 (2006.01)**
[25] EN
[54] **MOBILE FOUNDATION FOR TOWER CRANES AND FAST-ERECTING CRANES**
[54] **FONDATION MOBILE POUR DES GRUES A TOUR ET LES GRUES A ERECTION RAPIDE**
[72] KAINZMAYER, THOMAS, AT
[71] KAINZMAYER, THOMAS, AT
[22] 2022-01-24
[41] 2022-08-01
[30] AT (A 50061/2021) 2021-02-01

[21] **3,146,598**
[13] A1
[51] **Int.Cl. G08B 17/103 (2006.01)**
[25] EN
[54] **SMOKE ENTRY SOLUTION FOR MULTI WAVE MULTI ANGLE SAFETY DEVICE**
[54] **SOLUTION D'ENTREE DE FUMEE POUR UN DISPOSITIF DE SECURITE A ONDES ET A ANGLES MULTIPLES**
[72] GADONNIEX, DENNIS MICHAEL, US
[72] MOTT, KENNETH J., US
[71] CARRIER CORPORATION, US
[22] 2022-01-24
[41] 2022-08-02
[30] US (63/144,724) 2021-02-02

[21] **3,146,651**
[13] A1
[51] **Int.Cl. G08B 17/00 (2006.01)**
[25] EN
[54] **CORRUGATED BUG SCREEN**
[54] **MOUSTIQUAIRE ONDULE**
[72] GADONNIEX, DENNIS MICHAEL, US
[72] BUSHNELL, PETER R., US
[72] MOTT, KEN J., US
[71] CARRIER CORPORATION, US
[22] 2022-01-25
[41] 2022-08-04
[30] US (63/145,809) 2021-02-04

[21] **3,146,656**
[13] A1
[51] **Int.Cl. D04B 35/00 (2006.01) D03J 3/00 (2006.01) D04B 33/00 (2006.01)**
[25] EN
[54] **STITCH ROW COUNTING DEVICE**
[54] **DISPOSITIF DE COMPTAGE DES RANGEES DE SUTURES**
[72] HILDEBRAND, IMELDA, CA
[72] HILDEBRAND, ANDREW, CA
[71] HILDEBRAND, IMELDA, CA
[71] HILDEBRAND, ANDREW, CA
[22] 2022-01-25
[41] 2022-08-02
[30] US (17/165,367) 2021-02-02

[21] **3,146,708**
[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01) A62B 99/00 (2009.01) G16H 50/80 (2018.01)**
[25] EN
[54] **WEARABLE PERSONAL PROTECTION SYSTEMS AND METHODS OF ASSESSING PERSONAL HEALTH RISK IN AN ENVIRONMENT**
[54] **SYSTEMES DE PROTECTION PERSONNELLE A PORTER ET METHODES D'EVALUATION DES RISQUES A LA SANTE PERSONNELLE DANS UN ENVIRONNEMENT**
[72] SHYU, BRIAN, US
[72] BROCKETT, NEIL, IE
[72] RYAN, PADHRAIG, IE
[72] ZUCCHETTO, DANIEL, IE
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2022-01-26
[41] 2022-08-01
[30] US (17/164242) 2021-02-01

[21] **3,146,710**
[13] A1
[51] **Int.Cl. F21V 21/30 (2006.01) B64F 1/20 (2006.01) F16M 11/06 (2006.01) F21V 14/02 (2006.01)**
[25] EN
[54] **ANGLE AIMING MECHANISM FOR APPROACH LIGHT**
[54] **MECANISME D'ORIENTATION D'ANGLE POUR DES FEUX D'APPROCHE**
[72] BHALERAO, ESHANT CHANDRAKANT, IN
[72] AHIRE, MOHAN SUKLAL, IN
[72] TRUDEAU, TOBIAS, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2022-01-26
[41] 2022-08-03
[30] US (63/145177) 2021-02-03

[21] **3,146,714**
[13] A1
[51] **Int.Cl. G01J 5/02 (2022.01)**
[25] EN
[54] **IMMERSION DEVICE FOR TEMPERATURE MEASUREMENT AND METHOD FOR POSITION DETECTION**
[54] **DISPOSITIF D'IMMERSION POUR LA MESURE DE TEMPERATURE ET METHODE DE DETECTION DE LA POSITION**
[72] VAN VLIERBERGHE, MICHEL, BE
[72] NEYENS, GUIDO, BE
[71] HERAEUS ELECTRO-NITE INTERNATIONAL N.V., BE
[22] 2022-01-26
[41] 2022-08-01
[30] EP (21154561.1) 2021-02-01

---

[21] **3,146,719**
[13] A1
[51] **Int.Cl. B64D 47/00 (2006.01) G16Z 99/00 (2019.01)**
[25] FR
[54] **SYSTEM FOR DETERMINING AN INFLIGHT REST SCENARIO FOR AN AIRCRAFT CREW**
[54] **SYSTEME DE DETERMINATION D'UN SCENARIO DE REPOS EN VOL D'UN EQUIPAGE D'AERONEF**
[72] SALMON-LEGAGNEUR, FRANCOIS, FR
[72] DENJEAN, JEAN-CHRISTOPHE, FR
[72] LIGIER, VALENTIN, FR
[72] MICHON, ASTRID, FR
[71] DASSAULT AVIATION, FR
[22] 2022-01-26
[41] 2022-08-01
[30] FR (21 00938) 2021-02-01

---

[21] **3,146,756**
[13] A1
[51] **Int.Cl. F01D 5/10 (2006.01) F01D 25/06 (2006.01)**
[25] EN
[54] **ROTOR BALANCE ASSEMBLY**
[54] **ENSEMBLE D'EQUILIBRE DE ROTOR**
[72] DI PAOLA, FRANCO, CA
[72] LEGHZAOUNI, OTHMANE, CA
[72] STOCCO, THIERRY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-26
[41] 2022-08-02
[30] US (17/165,247) 2021-02-02

---

[21] **3,146,821**
[13] A1
[51] **Int.Cl. B65D 1/42 (2006.01) B65D 1/16 (2006.01) B65D 25/14 (2006.01) B65D 43/00 (2006.01) B65D 53/02 (2006.01) B65D 81/03 (2006.01) B65D 81/05 (2006.01) B65D 85/00 (2006.01)**
[25] EN
[54] **CONTAINER FOR SHIPPING HAZARDOUS MATERIALS**
[54] **CONTENEUR POUR L'EXPEDITION DE MATIERES DANGEREUSES**
[72] BARGER, WILLIAM D., US
[72] MOLINARO, LUCA, US
[71] AMERICAN LABELMARK COMPANY, US
[22] 2022-01-22
[41] 2022-08-02
[30] US (63/144,758) 2021-02-02

---

[21] **3,146,828**
[13] A1
[51] **Int.Cl. C10L 5/40 (2006.01) A01N 25/18 (2006.01) A61K 9/00 (2006.01) A61K 31/05 (2006.01) A61K 36/185 (2006.01) C06D 3/00 (2006.01) C11B 9/00 (2006.01)**
[25] EN
[54] **SMOKE PRODUCING TABLET AND METHOD OF USE**
[54] **PASTILLE DE PRODUCTION DE FUMEE ET METHODE D'UTILISATION**
[72] MERCADILLO, VICTOR RIOS, MX
[71] ARJESIL, INC., US
[22] 2022-01-27
[41] 2022-08-01
[30] US (17/164,777) 2021-02-01

---

[21] **3,146,921**
[13] A1
[51] **Int.Cl. B65F 3/00 (2006.01) F15B 19/00 (2006.01) F15B 20/00 (2006.01)**
[25] EN
[54] **HYDRAULIC CYLINDER MONITORING**
[54] **SURVEILLANCE DE VERIN HYDRAULIQUE**
[72] SMITH, JOHN FORREST, US
[72] DE LEON, ALEJANDRO, US
[72] ECKERL, GARRETT, US
[72] JIANG, ALBERT XIAOXIA, US
[72] WILDING, THOMAS LEON, US
[71] THE HEIL CO., US
[22] 2022-01-31
[41] 2022-08-01
[30] US (63/144,288) 2021-02-01

---

[21] **3,146,922**
[13] A1
[51] **Int.Cl. F16L 29/04 (2006.01) F16K 31/56 (2006.01) F16K 35/00 (2006.01)**
[25] EN
[54] **SELF-SEALING BREAKAWAY VALVE**
[54] **SERVO-AUTO-DISTRIBUTEUR AUTO-OBTURANT**
[72] MORGIA, JAMES J., US
[72] ELLIOTT, KEVIN W., II, US
[72] DRAGONETTE, ROBERT R., JR, US
[72] SCHUMACHER, MATTHEW J., US
[71] SPECTRUM ASSOCIATES, INC., US
[22] 2022-01-31
[41] 2022-08-03
[30] US (63/145,430) 2021-02-03

---

[21] **3,146,935**
[13] A1
[51] **Int.Cl. H04M 3/436 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **ROBOCALL DETECTION**
[54] **DETECTION DES APPELS AUTOMATISES**
[72] YIN, HOWARD, US
[71] MITEL NETWORKS CORPORATION, CA
[22] 2022-01-27
[41] 2022-08-01
[30] US (17/163946) 2021-02-01

---

[21] **3,146,958**
[13] A1
[51] **Int.Cl. G07C 3/00 (2006.01) B25G 1/00 (2006.01) G01D 21/00 (2006.01) G01L 5/00 (2006.01)**
[25] EN
[54] **TOOL WITH COUNTER DEVICE**
[54] **OUTIL DISPOSANT D'UN APPAREIL DE MESURE**
[72] HEINE, MIKKO, FI
[72] RUSANEN, NIKO, FI
[72] SOKKA, MIKA, FI
[71] FISKARS FINLAND OY AB, FI
[22] 2022-01-27
[41] 2022-08-02
[30] EP (21154712.0) 2021-02-02

[21] **3,146,959**
[13] A1
[51] **Int.Cl. F04B 41/00 (2006.01) C02F 1/74 (2006.01) C02F 7/00 (2006.01) F01P 5/02 (2006.01) F04B 53/00 (2006.01) F04B 53/08 (2006.01)**
[25] EN
[54] **CABINET MOUNTED AIR COMPRESSOR WITH NEGATIVE CABINET PRESSURE**
[54] **COMPRESSEUR D'AIR INSTALLE DANS UNE ARMOIRE A PRESSION NEGATIVE**
[72] DOMBROCK, TODD, US
[71] KASCO MARINE INC., US
[22] 2022-01-28
[41] 2022-08-04
[30] US (63/145,626) 2021-02-04

---

[21] **3,146,961**
[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01) G08G 1/14 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **APPARATUS FOR CONTROLLING PARKING IN A PARKING STALL**
[54] **APPAREIL POUR CONTROLER LE STATIONNEMENT DANS UNE PLACE DE STATIONNEMENT**
[72] NARDIN, ALBERTO, CA
[71] NARDIN, ALBERTO, CA
[22] 2022-01-28
[41] 2022-08-01
[30] US (63/144,098) 2021-02-01
[30] US (63/184,502) 2021-05-05

---

[21] **3,147,027**
[13] A1
[51] **Int.Cl. F03D 1/06 (2006.01) F03D 80/30 (2016.01) F03D 80/40 (2016.01)**
[25] EN
[54] **BLADE FOR A WIND TURBINE**
[54] **PALE D'EOLIENNE**
[72] MARCH NOMEN, VICTOR, ES
[71] SIEMENS GAMESA RENEWABLE ENERGY INNOVATION & TECHNOLOGY S.L., ES
[22] 2022-01-28
[41] 2022-08-02
[30] EP (21382087.1) 2021-02-02

---

[21] **3,147,056**
[13] A1
[51] **Int.Cl. A61F 2/44 (2006.01) A61B 17/70 (2006.01)**
[25] EN
[54] **EXPANDABLE IMPLANT**
[54] **IMPLANT DILATABLE**
[72] BERRY, BRET MICHAEL, US
[71] BERRY, BRET MICHAEL, US
[22] 2022-01-28
[41] 2022-08-02
[30] US (17/164,982) 2021-02-02

---

[21] **3,147,121**
[13] A1
[51] **Int.Cl. F28D 7/12 (2006.01) B64D 33/08 (2006.01) F02C 7/06 (2006.01) F02C 7/14 (2006.01) F16N 39/02 (2006.01) F28F 7/00 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER AND ASSOCIATED METHOD OF ASSEMBLY**
[54] **ECHANGEUR DE CHALEUR ET METHODE D'ASSEMBLAGE CONNEXE**
[72] FISH, JASON, CA
[72] VRLJES, LJUBISA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-28
[41] 2022-08-02
[30] US (17/165,156) 2021-02-02

---

[21] **3,147,144**
[13] A1
[51] **Int.Cl. A47C 17/02 (2006.01) A47C 17/86 (2006.01) F16B 12/20 (2006.01) F16B 12/22 (2006.01)**
[25] EN
[54] **SEATING FURNITURE**
[54] **MOBILIER DE SIEGE**
[72] STACK, SIMON, GB
[71] SNUG SHACK LTD., GB
[22] 2022-01-31
[41] 2022-08-01
[30] EP (21154595.9) 2021-02-01

---

[21] **3,147,155**
[13] A1
[51] **Int.Cl. F25J 1/02 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DECARBONIZED LNG PRODUCTION**
[54] **METHODE ET SYSTEME DE PRODUCTION DE GAZ NATUREL LIQUEFIE DECARBONATE**
[72] WEIST, ANNEMARIE OTT, US
[72] BEARD, JEREMY D., US
[72] GRAHAM, DAVID ROSS, US
[72] PALAMARA, JOHN EUGENE, US
[72] ROBERTS, MARK JULIAN, US
[72] VESKOVIC, DEJAN, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2022-01-31
[41] 2022-08-05
[30] US (17/168,770) 2021-02-05

---

[21] **3,147,186**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **GIFTING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE REMISE DE CADEAUX**
[72] KERMALI, ABBASALI, CA
[71] KERMALI, ABBASALI, CA
[22] 2022-01-31
[41] 2022-08-02
[30] US (63/144,706) 2021-02-02

---

[21] **3,147,188**
[13] A1
[51] **Int.Cl. G01M 15/00 (2006.01) B64F 5/60 (2017.01) B64C 11/38 (2006.01) G01B 21/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING FAILURE OF A PROPELLER FEEDBACK DEVICE**
[54] **SYSTEME ET METHODE POUR DETECTER UNE PANNE DE DISPOSITIF DE RETROACTION D'HELICE**
[72] KRZYWON, JAGODA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-31
[41] 2022-08-01
[30] US (17/163,881) 2021-02-01

[21] **3,147,191**
[13] A1
[51] **Int.Cl. B64C 11/38 (2006.01)**
[25] EN
[54] **PROPELLER CONTROL UNIT**
[54] **UNITE DE COMMANDE D'HELICE**
[72] KRZYWON, JAGODA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-31
[41] 2022-08-02
[30] US (17/165,108) 2021-02-02

---

[21] **3,147,198**
[13] A1
[51] **Int.Cl. F02C 9/58 (2006.01) B64C 11/38 (2006.01) B64D 31/00 (2006.01) F02C 6/20 (2006.01)**
[25] EN
[54] **PROPELLER CONTROL UNIT VALIDATION**
[54] **VALIDATION DE L'UNITE DE COMMANDE D'HELICE**
[72] KRZYWON, JAGODA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-31
[41] 2022-08-01
[30] US (17/164,076) 2021-02-01

---

[21] **3,147,201**
[13] A1
[51] **Int.Cl. G01M 15/00 (2006.01) B64F 5/60 (2017.01) B64C 11/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING FAILURE OF A PROPELLER CONTROL UNIT**
[54] **SYSTEME ET METHODE POUR DETECTER UNE PANNE D'UNITE DE COMMANDE D'HELICE**
[72] KRZYWON, JAGODA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-31
[41] 2022-08-01
[30] US (17/163,854) 2021-02-01

---

[21] **3,147,205**
[13] A1
[51] **Int.Cl. B28B 21/56 (2006.01) B28B 1/14 (2006.01) B28B 7/36 (2006.01) B28B 13/02 (2006.01) E02D 29/12 (2006.01)**
[25] EN
[54] **METHOD OF REHABILITATING A MANHOLE**
[54] **METHODE DE REMISE EN ETAT D'UN TROU D'HOMME**
[72] HUSTON, MATT, US
[72] INGHAM, MICHAEL, US
[71] HYDRO-KLEAN, LLC, US
[22] 2022-01-31
[41] 2022-08-01
[30] US (17/248,635) 2021-02-01

---

[21] **3,147,207**
[13] A1
[51] **Int.Cl. F02C 9/46 (2006.01) B64D 31/00 (2006.01) B64D 37/32 (2006.01) F01D 21/14 (2006.01) F02C 7/22 (2006.01) F02C 9/28 (2006.01)**
[25] EN
[54] **FAULT DETECTION OF A FUEL CONTROL UNIT**
[54] **DETECTION DES ANOMALIES D'UN REGULATEUR DE CARBURANT**
[72] KRZYWON, JAGODA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-01-31
[41] 2022-08-01
[30] US (17/164,358) 2021-02-01

---

[21] **3,147,295**
[13] A1
[51] **Int.Cl. A01G 23/10 (2006.01)**
[25] EN
[54] **DEVICE FOR COLLECTING SAP FROM A TREE**
[54] **DISPOSITIF POUR RECUEILLIR LA SEVE D'UN ARBRE**
[72] GOSSELIN, CHRISTIAN, CA
[72] CHABOT, MARTIN, CA
[71] LES EQUIPEMENTS D'ERABLIERE C.D.L. INC., CA
[22] 2022-02-01
[41] 2022-08-02
[30] US (63/144,501) 2021-02-02

---

[21] **3,147,313**
[13] A1
[51] **Int.Cl. C08L 61/30 (2006.01) C08K 5/42 (2006.01) C08L 97/00 (2006.01) C09J 161/30 (2006.01)**
[25] EN
[54] **IMPROVED AMINO RESIN PERFORMANCE WITH SULFONATED LIGNIN**
[54] **RENDEMENT AMELIORE DE L'AMINOPLASTE A L'AIDE DE LIGNINE SULFONEE**
[72] LONBERG, SAMUEL W., US
[72] TUCKER, MATTHEW E., US
[71] ARCLIN USA LLC, US
[22] 2022-02-01
[41] 2022-08-03
[30] US (63/145,174) 2021-02-03
[30] US (63/282,514) 2021-11-23

---

[21] **3,147,339**
[13] A1
[51] **Int.Cl. G06F 16/23 (2019.01) G06F 16/27 (2019.01)**
[25] EN
[54] **METHOD AND DEVICE FOR WRITING BLOCKCHAIN DATA IN PARALLEL, COMPUTER EQUIPMENT AND STORAGE MEDIUM THEREOF**
[54] **METHODE ET DISPOSITIF D'ECRITURE DE DONNEES SUR LA CHAINE DE BLOCS EN PARALLELE, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE CONNEXE**
[72] TAO, JINGHONG, CN
[72] SHENG, WEI, CN
[72] WANG, WANRUI, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-01
[41] 2022-08-01
[30] CN (202110140335.3) 2021-02-01

[21] **3,147,341**
[13] A1
[51] **Int.Cl. G06F 40/289 (2020.01)**
[25] EN
[54] **CATEGORY PHRASE RECOGNITION METHOD, MODEL TRAINING METHOD, DEVICE AND SYSTEM**
[54] **METHODE DE RECONNAISSANCE DE CATEGORIES DE PHRASES, METHODE D'ENTRAINEMENT DE MODELE, DISPOSITIF ET SYSTEME**
[72] ZHAO, HUI, CN
[72] QUI, KANG, CN
[72] SHEN, YI, CN
[72] NI, HEQIANG, CN
[72] LIANG, SHIWEN, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-01
[41] 2022-08-01
[30] CN (202110135149.0) 2021-02-01

[21] **3,147,372**
[13] A1
[51] **Int.Cl. G06Q 30/04 (2012.01)**
[25] EN
[54] **ELECTRONIC INVOICE MANAGEMENT METHOD, DEVICE, COMPUTER APPARATUS, AND STORAGE MEDIUM**
[54] **METHODE DE GESTION DE FACTURES ELECTRONIQUES, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] ZHOU, CONG, CN
[72] CAO, CHUANKUI, CN
[72] DONG, JIAJIA, CN
[72] DU, HAI, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-01
[41] 2022-08-01
[30] CN (202110133951.6) 2021-02-01

[21] **3,147,375**
[13] A1
[25] EN
[54] **SYSTEMS, METHODS, AND APPLIANCES THAT ENABLE REGIONAL CONTROL OF REFRIGERATION APPLIANCES**
[54] **SYSTEMES, METHODES ET APPAREILS PERMETTANT LE CONTROLE REGIONAL D'APPAREILS DE REFRIGERATION**
[72] KNATT, KEVIN, US
[72] FRIEND, JOHN, US
[71] TRUE MANUFACTURING COMPANY, INC., US
[22] 2022-01-31
[41] 2022-08-02
[30] US (63/144665) 2021-02-02

[21] **3,147,376**
[13] A1
[51] **Int.Cl. G06F 16/21 (2019.01) G06F 16/27 (2019.01) G06F 16/28 (2019.01)**
[25] EN
[54] **DATA PROCESSING METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE TRAITEMENT DE DONNEES, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] ZHU, JIANYONG, CN
[72] CAO, DINGGUO, CN
[72] DONG, XIAOQIANG, CN
[72] CHEN, YAJUAN, CN
[72] DONG, JIAJIA, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-01
[41] 2022-08-01
[30] CN (202110135921.9) 2021-02-01

[21] **3,147,377**
[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/397 (2006.01) A61K 31/704 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 31/12 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **SUBLINGUAL DELIVERY OF ANTI-VIRAL AGENTS AND CB2 RECEPTOR AGONISTS**
[54] **ADMINISTRATION SUBLINGUALE D'AGENTS ANTIVIRAUX ET AGONISTES DE RECEPTEUR CB2**
[72] WITHERS HESS, KATHERINE, CA
[71] WITHERS HESS, KATHERINE, CA
[22] 2022-02-01
[41] 2022-08-01
[30] US (63/144,240) 2021-02-01

[21] **3,147,381**
[13] A1
[51] **Int.Cl. A41D 31/08 (2019.01) D03D 15/217 (2021.01) D03D 15/283 (2021.01) D03D 15/513 (2021.01)**
[25] EN
[54] **FABRIC MATERIAL THAT IS RESISTANT TO FLASH FIRES AND ELECTRICAL ARC FLASHES**
[54] **MATERIAU DE TISSU RESISTANT AUX EMBRASEMENTS ECLAIR ET AUX ARCS ELECTRIQUES**
[72] SMITH, BRENT, US
[72] AUBREY, TOM F., US
[72] DIIANNI, WILLIAM J., US
[71] BURLINGTON INDUSTRIES LLC, US
[22] 2022-02-01
[41] 2022-08-02
[30] US (63/144,634) 2021-02-02

[21] **3,147,384**
[13] A1
[51] **Int.Cl. F24H 9/1832 (2022.01) F24H 1/28 (2006.01) F28D 1/04 (2006.01) F28F 1/40 (2006.01) F28F 9/24 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER FOR WATER HEATER**
[54] **ECHANGEUR DE CHALEUR POUR CHAUFFE-EAU**
[72] O'DONNELL, MICHAEL J., US
[71] BECKETT THERMAL SOLUTIONS, US
[22] 2022-02-01
[41] 2022-08-04
[30] US (63/145,542) 2021-02-04

[21] **3,147,385**
[13] A1
[51] **Int.Cl. B65G 23/06 (2006.01)**
[25] EN
[54] **SPLIT SPROCKETS FOR USE IN CONVEYOR SYSTEMS**
[54] **PIGNONS DIVISES DESTINES A L'UTILISATION DANS LES SYSTEMES DE CONVOYEURS**
[72] ROOZEBOOM, MATTHEW, US
[71] PRECISION, INC., US
[22] 2022-02-01
[41] 2022-08-05
[30] US (63/146,351) 2021-02-05

---

[21] **3,147,386**
[13] A1
[51] **Int.Cl. B60Q 1/00 (2006.01) B60Q 1/26 (2006.01) B60Q 1/32 (2006.01)**
[25] EN
[54] **DOWNLIGHTING SIGNAL AND ILLUMINATION MIRROR HEAD FOR VEHICLE**
[54] **SIGNAL D'ECLAIRAGE VERS LE BAS ET TETE DE MIROIR D'ILLUMINATION POUR VEHICULE**
[72] ENGLANDER, BENJAMIN, US
[72] SERER, JULIAN, US
[72] GLICKMAN, RACQUEL, US
[72] LIPANI, MICHAEL, US
[71] ROSCO INC., US
[22] 2022-02-01
[41] 2022-08-01
[30] US (63/144,396) 2021-02-01

---

[21] **3,147,387**
[13] A1
[51] **Int.Cl. F01D 25/28 (2006.01) F02C 7/20 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE ASSEMBLY AND METHOD OF DISASSEMBLING SAME**
[54] **ASSEMBLAGE DE TURBINE A GAZ ET METHODE DE DEMONTAGE**
[72] FOKIN, DMITRII, CA
[72] BROUILLET, AUDREY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-02-01
[41] 2022-08-05
[30] US (17/168,920) 2021-02-05

---

[21] **3,147,425**
[13] A1
[51] **Int.Cl. G06N 10/60 (2022.01)**
[25] EN
[54] **HYBRID QUANTUM COMPUTATION ARCHITECTURE FOR SOLVING A SYSTEM OF LINEAR BINARY RELATIONS**
[54] **ARCHITECTURE DE CALCUL QUANTIQUE HYBRIDE POUR RESOUDRE UN SYSTEME DE RELATIONS BINAIRES LINEAIRES**
[72] PAKHOMCHIK, ALEKSEY, CH
[72] PERELSHTEIN, MICHAEL, CH
[71] TERRA QUANTUM AG, CH
[22] 2022-01-28
[41] 2022-08-02
[30] EP (21154851.6) 2021-02-02

---

[21] **3,147,449**
[13] A1
[51] **Int.Cl. A01D 82/02 (2006.01) A01D 82/00 (2006.01)**
[25] EN
[54] **CONDITIONER ASSEMBLY WITH REMOTE ADJUSTABLE ROLL GAP**
[54] **ASSEMBLAGE DE CONDITIONNEUR COMPRENANT UN ECART DE ROULEAU AJUSTABLE TELECOMMANDE**
[72] BARNETT, NEIL, US
[72] STEPHENS, MATTHEW J., CA
[71] MACDON INDUSTRIES LTD., CA
[22] 2022-02-02
[41] 2022-08-02
[30] US (63/144,742) 2021-02-02

---

[21] **3,147,461**
[13] A1
[51] **Int.Cl. F25D 29/00 (2006.01) F25B 49/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING LEASED APPLIANCES**
[54] **SYSTEMES ET METHODES POUR GERER DES APPAREILS PRETES**
[72] KNATT, KEVIN, US
[71] TRUE MANUFACTURING COMPANY, INC., US
[22] 2022-02-01
[41] 2022-08-02
[30] US (63/144781) 2021-02-02

---

[21] **3,147,467**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06F 3/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR SYMBIOTIC DISPLAY OF ADS ON MOBILE DEVICES**
[54] **SYSTEME ET METHODES POUR L'AFFICHAGE SYMBIOTIQUE DE PUBLICITES SUR DES DISPOSITIFS MOBILES**
[72] MOCHRIE, DOUGLAS, CA
[72] THOMPSON, JEFF, CA
[72] GUTHRIE, MARTIN, CA
[71] AIRO.LIFE INC., CA
[22] 2022-02-02
[41] 2022-08-03
[30] US (63/145,353) 2021-02-03

---

[21] **3,147,480**
[13] A1
[51] **Int.Cl. B25B 13/46 (2006.01)**
[25] EN
[54] **DUAL PAWL RATCHET MECHANISM**
[54] **MECANISME A DECLIC A DOUBLE CLIQUET**
[72] ROSS, DAVID T., US
[71] SNAP-ON INCORPORATED, US
[22] 2022-02-02
[41] 2022-08-02
[30] US (17/165,089) 2021-02-02

---

[21] **3,147,499**
[13] A1
[51] **Int.Cl. F16K 3/02 (2006.01) F16K 21/18 (2006.01)**
[25] EN
[54] **BACKWATER VALVE ASSEMBLY**
[54] **ASSEMBLAGE DE CLAPET DE NON-RETOUR**
[72] STANALAND, WILLIAM ANTHONY, US
[72] MCDANAL, STEPHEN JERALD, US
[71] JAY R. SMITH MFG. CO., ASSUMED NAME OF SMITH INDUSTRIES, INC., US
[22] 2022-02-02
[41] 2022-08-04
[30] US (17/167837) 2021-02-04

[21] **3,147,504**
[13] A1
[51] **Int.Cl. F16L 9/14 (2006.01) F16L 57/06 (2006.01)**
[25] EN
[54] **PIPE ASSEMBLY INCLUDING AN ANCHOR MEMBER FOR RESISTING DELAMINATION OF A LINER FROM A PIPE SHELL**
[54] **TUYAUTERIE COMPRENANT UN ELEMENT D'ANCRAGE POUR RESISTER AU DELAMINAGE D'UNE DOUBLURE D'UNE CHEMISE DE TUYAU**
[72] MOON, SOON WON, CA
[71] SYNCRUDE CANADA LTD. IN TRUST FOR THE OWNERS OF THE SYNCRUDE PROJECT AS SUCH OWNERS EXIST NOW AND IN THE FUTURE, CA
[22] 2022-02-02
[41] 2022-08-03
[30] US (63/145,046) 2021-02-03

---

[21] **3,147,513**
[13] A1
[51] **Int.Cl. H04B 10/25 (2013.01) H04B 10/2581 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING A DATA NETWORK**
[54] **SYSTEME ET PROCEDE POUR FOURNIR UN RESEAU DE DONNEES**
[72] CRAWFORD, ERIC S., US
[71] C5 HOLDINGS, LLC, US
[22] 2022-02-02
[41] 2022-08-02
[30] US (63/144,656) 2021-02-02
[30] US (17/646,758) 2022-01-03

---

[21] **3,147,520**
[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01) G06Q 50/26 (2012.01) A61B 5/00 (2006.01)**
[25] EN
[54] **METHODS, DEVICES, AND SYSTEMS FOR ROUND-THE-CLOCK HEALTH AND WELLBEING MONITORING OF INCARCERATED INDIVIDUALS AND/OR INDIVIDUALS UNDER TWENTY-FOUR-HOUR-SEVEN-DAY-A-WEEK (24/7) SUPERVISION**
[54] **METHODES, DISPOSITIFS ET SYSTEMES POUR LA SURVEILLANCE DE LA SANTE ET DU MIEUX-ETRE EN TOUT TEMPS DES PERSONNES INCARCEREES ET/OU DES PERSONNES SUPERVISEES VINGT-QUATRE HEURES SUR VINGT-QUATRE, SEPT JOURS SUR SEPT (24/7)**
[72] KIMBROUGH, BOBBY F., JR, US
[71] NC SEVEN MOUNTAINS, LLC, US
[22] 2022-02-02
[41] 2022-08-03
[30] US (63/145116) 2021-02-03

---

[21] **3,147,552**
[13] A1
[51] **Int.Cl. B27B 17/14 (2006.01) B27B 17/02 (2006.01) B27B 17/08 (2006.01)**
[25] EN
[54] **CHAINSAWS**
[54] **SCIES A CHAINE**
[72] HOFFMAN, RONALD J., US
[72] HOLMAN, CHRISTOPHER, US
[72] REED, SCOTT, US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-02-02
[41] 2022-08-03
[30] US (63/145,276) 2021-02-03

---

[21] **3,147,553**
[13] A1
[51] **Int.Cl. A01D 34/84 (2006.01) A01D 34/416 (2006.01) A01D 34/68 (2006.01) A01G 3/06 (2006.01)**
[25] EN
[54] **DUAL FUNCTION POWER TOOL**
[54] **OUTIL ELECTRIQUE A DOUBLE FONCTION**
[72] HOFFMAN, RONALD J., US
[72] NOLIN, ERIC J., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-02-02
[41] 2022-08-03
[30] US (63/145,272) 2021-02-03

---

[21] **3,147,559**
[13] A1
[51] **Int.Cl. F16L 19/04 (2006.01) F16J 15/06 (2006.01) F16L 21/04 (2006.01)**
[25] EN
[54] **SEAL ASSEMBLY METHOD AND APPARATUS**
[54] **METHODE ET APPAREIL POUR ENSEMBLE D'ETANCHEITE**
[72] PETRACHEK, JOHN, CA
[72] VIEIRA, JOEL, CA
[72] MAIKAWA, DOUG, CA
[71] PLATINUM TECHNOLOGIES LTD., CA
[22] 2022-02-03
[41] 2022-08-05
[30] US (63/146,248) 2021-02-05

---

[21] **3,147,560**
[13] A1
[51] **Int.Cl. G06F 3/041 (2006.01) G06F 3/044 (2006.01)**
[25] EN
[54] **TOUCH SENSOR SYSTEM CONFIGURATION**
[54] **CONFIGURATION DE SYSTEME DE CAPTEUR TACTILE**
[72] MCCULLOCH, ROBERT DONALD, CA
[72] DUXBURY, GUY MICHAEL AMYON FARQUHARSON, CA
[72] DAVID, ALBERT M., CA
[71] 1004335 ONTARIO INC. CARRYING ON BUSINESS AS A D METRO, CA
[22] 2022-02-03
[41] 2022-08-04
[30] US (63/145,789) 2021-02-04

[21] **3,147,561**
[13] A1
[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/32 (2006.01) A61F 7/00 (2006.01)**
[25] EN
[54] **MULTIFUNCTION KNEE BRACE OR SLEEVE**
[54] **ATTELLE DE GENOU OU MANCHE MULTIFONCTIONNELLE**
[72] BORDIERI, MICHAEL N., JR., US
[72] GOUMAS, DOUGLAS M., US
[72] CALVELLO, DANIELLE N., US
[71] G FORCE BRACES, LLC, US
[22] 2022-02-03
[41] 2022-08-04
[30] US (63/199,941) 2021-02-04
[30] US (17/649,720) 2022-02-02

[21] **3,147,576**
[13] A1
[51] **Int.Cl. F16L 55/48 (2006.01)**
[25] EN
[54] **PIG DETECTOR**
[54] **DETECTEUR DE COCHONS**
[72] LAYMON, MATTHEW S., US
[72] LAYMON, DWANE O., US
[71] ENDURO PIPELINE SERVICES, INC., US
[22] 2022-02-03
[41] 2022-08-05
[30] US (63/146,142) 2021-02-05
[30] US (17/540,978) 2021-12-02

[21] **3,147,670**
[13] A1
[51] **Int.Cl. B65G 59/00 (2006.01) A21C 15/00 (2006.01)**
[25] EN
[54] **BAKERY TRAY DESTACKER**
[54] **DESEMPILEUR DE PLATEAU A PATISSERIE**
[72] JACKSON, PETER DOUGLAS, US
[72] FOSTER, DERICK, US
[72] KALINOWSKI, DANE GIN MUN, US
[72] ENGLERT, TRAVIS JAMES, US
[71] REHRIG PACIFIC COMPANY, US
[22] 2022-02-03
[41] 2022-08-03
[30] US (63/145,445) 2021-02-03

[21] **3,147,785**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06N 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HETEROGENEOUS MULTI-TASK LEARNING WITH EXPERT DIVERSITY**
[54] **SYSTEME ET METHODE D'APPRENTISSAGE MULTITACHE HETEROGENE A DIVERSITE D'EXPERTS**
[72] AOKI, RAQUEL, CA
[72] TUNG, FREDERICK, CA
[72] OLIVEIRA, GABRIEL L., CA
[71] ROYAL BANK OF CANADA, CA
[22] 2022-02-03
[41] 2022-08-03
[30] US (63/145,260) 2021-02-03

[21] **3,147,788**
[13] A1
[51] **Int.Cl. B65D 81/34 (2006.01) B65B 29/08 (2006.01) B65D 33/01 (2006.01) B65D 65/38 (2006.01) C09J 7/20 (2018.01)**
[25] EN
[54] **SELF-VENTING ADHESIVE PATCH FOR MICROWAVABLE FOOD PACKAGING BAGS**
[54] **TAMPON ADHESIF AUTOVENTILE POUR DES SACS D'EMBALLAGE D'ALIMENTS ALLANT AU MICRO-ONDES**
[72] MULFORD, EMLYN, CA
[71] EPC INDUSTRIES LIMITED, CA
[22] 2022-02-04
[41] 2022-08-04
[30] US (63/145,572) 2021-02-04

[21] **3,147,803**
[13] A1
[51] **Int.Cl. A61J 3/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TROCHE PRODUCTION**
[54] **SYSTEMES ET METHODES DE PRODUCTION DE TROCHISQUE**
[72] BABINEAU, THOMAS, US
[71] BABINEAU, THOMAS, US
[22] 2022-02-04
[41] 2022-08-05
[30] US (63/146,311) 2021-02-05

[21] **3,147,806**
[13] A1
[51] **Int.Cl. B29C 65/14 (2006.01)**
[25] EN
[54] **BOND STRIP TECHNOLOGY**
[54] **TECHNOLOGIE DE BANDE DE LIAISON**
[72] LIU, VICTOR, CA
[72] VANIN, LAWRENCE, CA
[72] ZORN, MICHAEL, CA
[71] MAGNA EXTERIORS INC., CA
[22] 2022-02-04
[41] 2022-08-04
[30] US (63/145,600) 2021-02-04

[21] **3,147,808**
[13] A1
[51] **Int.Cl. E21B 37/00 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **ANNULAR FRACTURING CLEANOUT APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE DE NETTOYAGE DE FRACTURATION ANNULAIRE**
[72] BARNES, JAMES, CA
[72] ENGLER, ANNE, CA
[72] MUSSEAU, SHAYNE, CA
[72] SHERMAN, SCOTT, CA
[71] NEXUS ENERGY TECHNOLOGIES INC., CA
[22] 2022-02-04
[41] 2022-08-05
[30] US (63/146,097) 2021-02-05

[21] **3,147,810**
[13] A1
[51] **Int.Cl. E21B 33/047 (2006.01)**
[25] EN
[54] **DUAL TUBING STRING ADAPTOR**
[54] **ADAPTATEUR DE COLONNE DE TUBAGE DOUBLE**
[72] STOESSER, EMERY, CA
[72] HULT, VERN, CA
[72] PATTON, CHRIS, CA
[71] EVOLUTION OIL TOOLS INC., CA
[22] 2022-02-04
[41] 2022-08-05
[30] US (63/146,404) 2021-02-05

[21] **3,147,818**
[13] A1
[51] **Int.Cl. B62B 13/18 (2006.01) B62D 55/07 (2006.01)**
[25] EN
[54] **ELECTRIC LINEAR ACTUATOR FOR USE ON A RETRACTABLE WHEEL ASSEMBLY FOR USE ON SNOWMOBILES**
[54] **ACTIONNEUR LINEAIRE ELECTRIQUE A UTILISER SUR UN ASSEMBLAGE DE ROUE RETRACTABLE POUR MOTONEIGES**
[72] GOUIN, STEVE, CA
[71] GOUIN, STEVE, CA
[22] 2022-02-04
[41] 2022-08-05
[30] GB (2101668.8) 2021-02-05

---

[21] **3,147,831**
[13] A1
[51] **Int.Cl. B60D 1/145 (2006.01) B60P 3/12 (2006.01)**
[25] EN
[54] **TRUCK TOWING SYSTEM**
[54] **SYSTEME DE REMORQUAGE DE CAMION**
[72] WEST, DEAN, US
[71] TRUCKMOVERS.COM, INC., US
[22] 2022-02-04
[41] 2022-08-04
[30] US (63/145,591) 2021-02-04

---

[21] **3,147,912**
[13] A1
[51] **Int.Cl. F24D 13/02 (2006.01) H05B 3/00 (2006.01)**
[25] EN
[54] **RADIANT HEATER**
[54] **RADIATEUR DE CHAUFFAGE**
[72] TARTAGLIA, BRANDON, CA
[71] INFORESIGHT CONSUMER PRODUCTS INC., CA
[22] 2022-02-04
[41] 2022-08-05
[30] US (63/146,040) 2021-02-05

---

[21] **3,147,939**
[13] A1
[51] **Int.Cl. E04D 11/00 (2006.01) C09K 3/10 (2006.01)**
[25] EN
[54] **ROOFING MATERIAL WITH PATTERNED ADHESIVE**
[54] **MATERIAU DE COUVERTURE COMPRENANT UN ADHESIF APPLIQUE EN MOTIF**
[72] SVEC, JAMES A., US
[72] YANG, LI-YING, US
[72] BOSS, DANIEL E., US
[71] BMIC LLC, US
[22] 2022-02-04
[41] 2022-08-05
[30] US (63/146,295) 2021-02-05

---

[21] **3,147,967**
[13] A1
[51] **Int.Cl. B65D 59/00 (2006.01) F16L 55/00 (2006.01)**
[25] EN
[54] **PIPE THREAD PROTECTOR WITH REMOVABLE END MEMBER, SEAL ASSEMBLY, AND INTERFERENCE RING, AND END MEMBER AND SEAL ASSEMBLY THEREFOR**
[54] **EMBOUT PROTECTEUR DE FILETAGE DE TUYAU COMPRENANT UN ELEMENT D'EXTREMITE AMOVIBLE, ENSEMBLE D'ETANCHEITE ET BAGUE D'INTERFERENCE, ET ELEMENT D'EXTREMITE ET ENSEMBLE D'ETANCHEITE CONNEXES**
[72] DANNEFFEL, JOHN, CA
[72] DANNEFFEL, MAX, CA
[71] UNIVERSAL MOULDING CO. LTD., CA
[22] 2022-02-03
[41] 2022-08-04
[30] US (63/145766) 2021-02-04
[30] US (63/175424) 2021-04-15

---

[21] **3,147,971**
[13] A1
[51] **Int.Cl. A01G 20/47 (2018.01) E01H 1/08 (2006.01)**
[25] EN
[54] **BLOWER**
[54] **SOUFFLANTE**
[72] LEE, HEI MAN, CN
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-02-03
[41] 2022-08-05
[30] CN (202110162588.0) 2021-02-05

---

[21] **3,147,976**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MACHINE LEARNING MONITORING**
[54] **SYSTEME ET METHODE DE SURVEILLANCE D'APPRENTISSAGE AUTOMATIQUE**
[72] DUPLESSIS, FRANCIS, CA
[72] ALBOOYEH, MARJAN, CA
[72] HOPP, NATHANIEL, CA
[72] CHOW, SAM, CA
[72] RAFSAN, MOHAMMAD, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2022-02-03
[41] 2022-08-03
[30] US (63/145,052) 2021-02-03

---

[21] **3,147,987**
[13] A1
[51] **Int.Cl. A47K 5/12 (2006.01) B67D 7/60 (2010.01) B05C 17/005 (2006.01) F04B 9/14 (2006.01)**
[25] EN
[54] **PUSH-PUMP FOR DISPENSING SOAP OR OTHER LIQUIDS**
[54] **POMPE A SAVON OU A D'AUTRES LIQUIDES**
[72] YANG, FRANK, US
[72] SANDOR, JOSEPH, US
[72] CONLEY, WILLIAM PATRICK, US
[71] SIMPLEHUMAN, LLC, US
[22] 2022-02-04
[41] 2022-08-05
[30] US (63/146,270) 2021-02-05

---

[21] **3,148,044**
[13] A1
[51] **Int.Cl. G01N 29/14 (2006.01) G01N 29/34 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OPTO-ACOUSTIC IMAGE RECONSTRUCTION WITH MULTIPLE ACQUISITIONS**
[54] **SYSTEMES ET METHODES POUR UNE RECONSTITUTION D'IMAGE OPTO-ACOUSTIQUE A L'AIDE DE MULTIPLES ACQUISITIONS**
[72] ZALEV, JASON, CA
[71] OASIGNAL TECHNOLOGIES, INC., CA
[22] 2022-02-07
[41] 2022-08-06
[30] US (63/146628) 2021-02-06

[21] **3,148,189**
[13] A1
[51] **Int.Cl. D01F 11/04 (2006.01) D01D 5/08 (2006.01) D01F 8/04 (2006.01)**
[25] EN
[54] **BIODEGRADABLE POLYESTER TEXTILE**
[54] **TEXTILE DE POLYESTER BIODEGRADABLE**
[72] BENADDI, HAMID, CA
[71] DUVALTEX INC., CA
[22] 2022-02-07
[41] 2022-08-05
[30] US (63/146,005) 2021-02-05

---

[21] **3,148,205**
[13] A1
[51] **Int.Cl. H01M 8/0228 (2016.01) C25B 9/65 (2021.01)**
[25] EN
[54] **PROTECTIVE-LAYER-COATED-INTERCONNECTOR, CELL STACK INCLUDING THIS PROTECTIVE-LAYER-COATED-INTERCONNECTOR, AND FUEL CELL INCLUDING THE SAME**
[54] **INTERCONNECTEUR REVETU D'UNE COUCHE PROTECTRICE, ASSEMBLAGE DE CELLULES COMPRENANT LEDIT INTERCONNECTEUR ET PILE A COMBUSTIBLE COMPRENANT L'ASSEMBLAGE**
[72] KOBAYASHI, SHOHEI, JP
[72] KAMEDA, TSUNEJI, JP
[72] ASAYAMA, MASAHIRO, JP
[72] YOSHINO, MASATO, JP
[72] OSADA, NORIKAZU, JP
[72] INUZUKA, RIKO, JP
[71] TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION, JP
[22] 2022-02-01
[41] 2022-08-03
[30] JP (2021-016064) 2021-02-03

---

[21] **3,148,568**
[13] A1
[51] **Int.Cl. H04B 1/3877 (2015.01)**
[25] EN
[54] **MIRROR MOUNT FOR ELECTRONIC DEVICE**
[54] **MONTURE DE MIROIR POUR UN DISPOSITIF ELECTRONIQUE**
[72] IVERSON, DAVID S., US
[72] MACNEIL, DAVID F., US
[71] MACNEIL IP LLC, US
[22] 2022-02-01
[41] 2022-08-02
[30] US (17/165880) 2021-02-02

---

[21] **3,148,635**
[13] A1
[25] EN
[54] **METHOD FOR SIMULATING AN OPTICAL IMAGE REPRESENTATION**
[54] **METHODE DE SIMULATION D'UNE REPRESENTATION D'UNE IMAGE OPTIQUE**
[72] KOERNER, MARTIN, DE
[72] SCHROER, ALEXANDER, DE
[72] WETH, CHRISTOPHER, DE
[71] CARL ZEISS AG, DE
[22] 2022-02-02
[41] 2022-08-03
[30] DE (102021200965.4) 2021-02-03

---

[21] **3,149,005**
[13] A1
[51] **Int.Cl. G06V 20/40 (2022.01) G06T 7/70 (2017.01) G06V 10/32 (2022.01) G06V 10/44 (2022.01)**
[25] EN
[54] **DEVICE, METHOD AND SYSTEM FOR IDENTIFYING OBJECTS IN WARPED IMAGES FROM A FISHEYE CAMERA**
[54] **DISPOSITIF, METHODE ET SYSTEME POUR DETERMINER DES OBJETS DANS DES IMAGES DEFORMEES PAR UNE CAMERA A OEIL-DE-POISSON**
[72] MILES, BRANDON, CA
[72] SARRAFI, ARAL, US
[72] XIAO, XIAO, US
[72] LIPCHIN, ALEKSEY, US
[72] SAHA, MITUL, US
[71] MOTOROLA SOLUTIONS, INC., US
[22] 2022-01-26
[41] 2022-08-05
[30] US (17/168701) 2021-02-05

---

[21] **3,149,079**
[13] A1
[51] **Int.Cl. E04H 12/22 (2006.01) E04H 12/00 (2006.01)**
[25] EN
[54] **POLE SUPPORT**
[54] **SUPPORT DE POLE**
[72] SCOTT, IAN, AU
[72] URRUTIA CONUS, FERNANDO ANDRES, AU
[71] SCOTT, IAN, AU
[71] URRUTIA CONUS, FERNANDO ANDRES, AU
[22] 2022-02-02
[41] 2022-08-03
[30] AU (2021900236) 2021-02-03

---

[21] **3,151,290**
[13] A1
[51] **Int.Cl. E04D 11/02 (2006.01) E04D 13/14 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR METAL VALLEY INSTALLATION**
[54] **METHODE ET APPAREIL POUR UNE INSTALLATION DE NOUE METALLIQUE**
[72] BAKER, DAVID RAY, US
[71] BAKER, DAVID RAY, US
[22] 2022-03-08
[41] 2022-08-01
[30] US (63/144,180) 2021-02-01

---

[21] **3,154,432**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01)**
[25] EN
[54] **ALL-IN-ONE SELF TEST KIT**
[54] **TROUSSE D'AUTODEPISTAGE TOUT COMPRIS**
[72] HAN, KYUNG-JOON, KR
[71] HAN, KYUNG-JOON, KR
[22] 2022-04-06
[41] 2022-08-02
[30] KR (10-2021-0099715) 2021-07-29

---

[21] **3,155,818**
[13] A1
[51] **Int.Cl. A61K 47/46 (2006.01) A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 31/12 (2006.01)**
[25] EN
[54] **DELAYED RELEASE COMPOSITION COMPRISING ENTERIC COATED DRUG LOADED IN PSYLLIUM HUSK MATRIX**
[54] **COMPOSITION A LIBERATION RETARDEE COMPRENANT UN MEDICAMENT A REVETEMENT ENTEROSOLUBLE CHARGE DANS UNE MATRICE D'ENVELOPPE DE PSYLLIUM**
[72] NAHARWAR, VIKRAM ANDREW, IN
[72] NAHARWAR TRESHA, IN
[71] NAHARWAR, VIKRAM ANDREW, IN
[71] NAHARWAR TRESHA, IN
[22] 2022-03-21
[41] 2022-07-31
[30] IN (202121004193) 2021-01-31

[21] **3,158,981**
[13] A1
[51] **Int.Cl. E04B 2/74 (2006.01) E04B 2/82 (2006.01)**
[25] EN
[54] **PARTITION WALL OF A STORAGE**
[54] **PAROI DE CLOISONNEMENT D'UNE UNITE DE STOCKAGE**
[72] MIIKKULAINEN, KARI, FI
[72] HONKANEN, JARNO, FI
[71] CIMCORP OY, FI
[22] 2022-05-16
[41] 2022-08-04
[30] US (20215607) 2021-05-21

---

[21] **3,159,303**
[13] A1
[51] **Int.Cl. C10L 3/00 (2006.01) C10L 3/10 (2006.01) F25J 3/00 (2006.01)**
[25] EN
[54] **GAS PROCESSING METHODOLOGY UTILIZING REFLUX AND ADDITIONALLY SYNTHESIZED STREAM OPTIMIZATION**
[54] **METHODE DE TRAITEMENT DE GAZ UTILISANT LE REFLUX ET EGALEMENT UNE OPTIMISATION DE FLUX SYNTHETISE**
[72] STOTHERS, WILLIAM, CA
[72] GRYNIA, EUGENIUSZ, CA
[72] MACKENZIE, STUART, CA
[71] GAS LIQUIDS ENGINEERING LTD., CA
[22] 2022-05-18
[41] 2022-08-05

---

[21] **3,160,449**
[13] A1
[51] **Int.Cl. C22B 3/08 (2006.01) C22B 3/20 (2006.01) C22B 11/00 (2006.01) C22B 11/08 (2006.01)**
[25] EN
[54] **METHODS FOR LIBERATING PRECIOUS METALS USING A REAGENT HAVING A THIOCARBONYL FUNCTIONAL GROUP**
[54] **METHODES DE LIBERATION DE METAUX PRECIEUX AU MOYEN D'UN REACTIF COMPORTANT UN GROUPE FONCTIONNEL THIOCARBONYLE**
[72] REN, ZIHE, CA
[72] HUERTAS, NELSON MORA, US
[72] DIXON, DAVID G., CA
[72] ASSELIN, EDOUARD, CA
[72] GHAHREMAN, AHMAD, CA
[71] JETTI RESOURCES, LLC, US
[22] 2022-05-13
[41] 2022-08-02
[30] US (63/189,649) 2021-05-17

---

[21] **3,161,004**
[13] A1
[51] **Int.Cl. C08L 83/04 (2006.01) A61K 31/23 (2006.01) A61K 31/80 (2006.01) A61P 33/14 (2006.01) C08K 5/101 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING ECTOPARASITE INFESTATIONS**
[54] **METHODES ET COMPOSITIONS POUR TRAITER DES INFESTATIONS D'ECTOPARASITES**
[72] CHIASSON, BERNARD JOSEPH, CA
[72] PEARCE, ROBERT PATRICK, CA
[72] PARE, CHANTAL, CA
[71] NUVO PHARMACEUTICALS (IRELAND) DESIGNATED ACTIVITY COMPANY, IE
[22] 2022-05-13
[41] 2022-08-02
[30] US (63/188,274) 2021-05-13

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **3,149,821**
[13] A1
[51] **Int.Cl. E21B 17/042 (2006.01)**
[25] EN
[54] **THREAD FORMATION FOR COUPLING DOWNHOLE TOOLS**
[54] **FORMATION DE FILET POUR L'ACCOUPLEMENT D'OUTILS DE FOND DE TROU**
[72] SCHICKER, OWEN, AU
[71] REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD, AU
[85] 2022-02-04
[86] 2020-08-27 (PCT/AU2020/050897)
[87] (WO2021/035301)
[30] AU (2019903186) 2019-08-30

[21] **3,158,598**
[13] A1
[51] **Int.Cl. B01D 46/10 (2006.01)**
[25] EN
[54] **REMOVABLE FILTER SYSTEM**
[54] **SYSTEME DE FILTRE AMOVIBLE**
[72] CHOI, JIN MIN, KR
[71] CHOI, JIN MIN, KR
[85] 2022-05-16
[86] 2021-02-03 (PCT/KR2021/001396)
[87] (3158598)
[30] KR (10-2021-0014302) 2021-02-01

[21] **3,159,969**
[13] A1
[51] **Int.Cl. C12N 1/04 (2006.01) C12N 1/20 (2006.01)**
[25] FR
[54] **PROCESS FOR THE LYOPHILISATION OF A CRYOPRESERVED CELL COMPOSITION AND CONTAINING DISSOLVED GAS**
[54] **PROCEDE DE LYOPHILISATION D'UNE COMPOSITION CELLULAIRE CRYOGENISEE ET CONTENANT DU GAZ DISSOUS**
[72] GILLET, GUILLAUME, FR
[72] KUYLLE, SARAH, FR
[72] PAUL, FRANCOIS, FR
[72] CAYET, MANON, FR
[71] GENIALIS, FR
[71] LARENA, FR
[85] 2022-05-30
[86] 2020-12-02 (PCT/FR2020/052241)
[87] (WO2021/111074)
[30] FR (FR1913627) 2019-12-02

[21] **3,159,970**
[13] A1
[51] **Int.Cl. A62B 7/02 (2006.01) A62B 7/14 (2006.01) A62B 9/02 (2006.01)**
[25] FR
[54] **CONTROL ASSEMBLY FOR A BREATHING MASK OF AN AIRCRAFT CREW MEMBER**
[54] **ENSEMBLE DE REGULATION POUR MASQUE RESPIRATOIRE D'UN MEMBRE D'EQUIPAGE D'AVION**
[72] JACOTEY, JEREMY, FR
[72] LAMOURETTE, DIDIER, FR
[72] MOREIRA, SERGE, FR
[71] SAFRAN AEROTECHNICS, FR
[85] 2022-05-30
[86] 2020-12-08 (PCT/FR2020/052344)
[87] (WO2021/116597)
[30] EP (19306606.5) 2019-12-09

[21] **3,159,983**
[13] A1
[51] **Int.Cl. B41M 1/04 (2006.01) H04N 1/405 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROCESSING A RASTER IMAGE FILE**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT D'UN FICHIER D'IMAGE MATRICIELLE**
[72] DE RAUW, DIRK LUDO JULIEN, BE
[71] XEIKON PREPRESS N.V., BE
[85] 2022-05-30
[86] 2020-12-03 (PCT/EP2020/084454)
[87] (WO2021/110831)
[30] NL (2024368) 2019-12-03

[21] **3,159,984**
[13] A1
[51] **Int.Cl. C08G 18/75 (2006.01) B32B 7/027 (2019.01)**
[25] EN
[54] **THERMOPLASTIC POLYURETHANE FILM AND MULTILAYER FILM**
[54] **FILM DE POLYURETHANE THERMOPLASTIQUE ET FILM MULTICOUCHE**
[72] ARIMA, TOMONORI, JP
[72] KOBAYASHI, YURI, JP
[71] NIHON MATAI CO., LTD., JP
[85] 2022-05-30
[86] 2020-12-03 (PCT/JP2020/044966)
[87] (WO2021/112159)
[30] JP (2019-221575) 2019-12-06

[21] **3,159,985**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/37 (2006.01) A61P 7/04 (2006.01) C07K 14/755 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MODULATING FACTOR VIII FUNCTION**
[54] **COMPOSITIONS ET PROCEDES DE MODULATION DE LA FONCTION DU FACTEUR VIII**
[72] CAMIRE, RODNEY M., US
[72] GEORGE, LINDSEY A., US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2022-05-30
[86] 2020-12-07 (PCT/US2020/063551)
[87] (WO2021/113800)
[30] US (62/944,718) 2019-12-06

[21] **3,159,988**
[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01)**
[25] EN
[54] **UNIT ORAL DOSE COMPOSITIONS COMPOSED OF IBUPROFEN AND FAMOTIDINE FOR THE TREATMENT OF ACUTE PAIN AND THE REDUCTION OF THE SEVERITY AND/OR RISK OF HEARTBURN**
[54] **COMPOSITIONS DE DOSE ORALE UNITAIRE COMPOSEES D'IBUPROFENE ET DE FAMOTIDINE POUR LE TRAITEMENT DE LA DOULEUR AIGUE ET LA REDUCTION DE LA GRAVITE ET/OU DU RISQUE DE BRULURES D'ESTOMA**
[72] SCHACHTEL, BERNARD, US
[71] SCHABAR RESEARCH ASSOCIATES LLC, US
[85] 2022-05-30
[86] 2021-07-14 (PCT/US2021/041521)
[87] (WO2022/015784)
[30] US (63/052,398) 2020-07-15

[21] **3,159,990**
[13] A1
[51] **Int.Cl. C01B 23/00 (2006.01) F25J 3/06 (2006.01) F25J 3/08 (2006.01)**
[25] FR
[54] **GAS PURIFICATION METHOD AND DEVICE**
[54] **PROCEDE ET UN DISPOSITIF DE PURIFICATION DE GAZ**
[72] LADOUS, ROBIN, FR
[72] ZICK, GOLO, FR
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2022-05-30
[86] 2020-11-12 (PCT/EP2020/081905)
[87] (WO2021/115719)
[30] FR (FR1914226) 2019-12-12

[21] **3,159,992**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/465 (2006.01) A61K 31/495 (2006.01)**
[25] EN
[54] **ORAL COMPOSITIONS INCLUDING GELS**
[54] **COMPOSITIONS ORALES COMPRENANT DES GELS**
[72] HOLTON, DARRELL EUGENE JR., US
[72] HUTCHENS, RONALD K., GB
[72] KELLER, CHRISTOPHER, GB
[72] POOLE, THOMAS H., GB
[72] BEESON, DWAYNE WILLIAM, GB
[72] ST. CHARLES, FRANK KELLEY, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-05-30
[86] 2020-12-08 (PCT/IB2020/061659)
[87] (WO2021/116918)
[30] US (16/707,067) 2019-12-09

[21] **3,159,993**
[13] A1
[51] **Int.Cl. C08J 11/10 (2006.01) C08J 9/04 (2006.01) C08L 67/02 (2006.01)**
[25] EN
[54] **PROCESS FOR DEGRADING PLASTIC PRODUCTS**
[54] **PROCEDE DE DEGRADATION DE PRODUITS PLASTIQUES**
[72] MARTY, ALAIN, FR
[72] CHATEAU, MICHEL, FR
[72] ALOUI DALIBEY, MADIHA, FR
[71] CARBIOS, FR
[85] 2022-05-30
[86] 2020-12-18 (PCT/EP2020/087209)
[87] (WO2021/123299)
[30] EP (19218099.0) 2019-12-19

[21] **3,159,994**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/24 (2021.01) A61N 1/36 (2006.01)**
[25] EN
[54] **IMAGING INDIVIDUAL HIPPOCAMPAL SEIZURES AND THE LONG-TERM IMPACT OF REPEATED SEIZURES**
[54] **IMAGERIE DE CRISES EPILEPTIQUES TEMPORALES INDIVIDUELLES ET DE L'IMPACT A LONG TERME DE CRISES REPETEES**
[72] LEE, JIN HYUNG, US
[72] CHOY, MANKIN, US
[72] DUFFY, BEN A., US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-05-27
[86] 2020-12-07 (PCT/US2020/063579)
[87] (WO2021/113804)
[30] US (62/945,012) 2019-12-06

[21] **3,159,997**
[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2018.01) C07K 14/415 (2006.01)**
[25] EN
[54] **CCA GENE FOR VIRUS RESISTANCE**
[54] **GENE CCA POUR LA RESISTANCE AUX VIRUS**
[72] KALISVAART, JONATHAN, NL
[72] FRIJTERS, RAOUL JACOBUS JOHANNES MARIA, NL
[72] LUDEKING, DANIEL JOHANNES WILHELMUS, NL
[72] ROOVERS, ALWIN JOHANNES MARINUS, NL
[71] RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V., NL
[85] 2022-05-30
[86] 2020-12-03 (PCT/EP2020/084504)
[87] (WO2021/110855)
[30] EP (PCT/EP2019/083733) 2019-12-04

[21] **3,159,998**
[13] A1
[51] **Int.Cl. H04B 1/69 (2011.01) H04B 7/04 (2017.01) H04B 7/185 (2006.01)**
[25] EN
[54] **SATELLITE COMMUNICATIONS USING SPREAD SIGNALS**
[54] **COMMUNICATIONS PAR SATELLITE A L'AIDE DE SIGNAUX ETALES**
[72] WYCKOFF, PETER S., US
[71] VIASAT, INC., US
[85] 2022-05-30
[86] 2020-12-04 (PCT/US2020/063296)
[87] (WO2021/118880)
[30] US (62/947,498) 2019-12-12

[21] **3,160,001**
[13] A1
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/16 (2020.01) A24B 15/28 (2006.01)**
[25] EN
[54] **ORAL COMPOSITION WITH BEET MATERIAL**
[54] **COMPOSITION A USAGE ORAL COMPRENANT UNE SUBSTANCE DE BETTERAVE**
[72] HOLTON, DARRELL EUGENE JR., US
[72] BEESON, DWAYNE WILLIAM, GB
[72] GERARDI, ANTHONY RICHARD, GB
[72] GRIMES, CHRIS J., GB
[72] HUTCHENS, RONALD K., GB
[72] KELLER, CHRISTOPHER, GB
[72] POOLE, THOMAS H., GB
[72] ST. CHARLES, FRANK KELLEY, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-05-30
[86] 2020-12-07 (PCT/IB2020/061593)
[87] (WO2021/116879)
[30] US (16/707,319) 2019-12-09

[21] **3,160,002**
[13] A1
[51] **Int.Cl. C08J 11/10 (2006.01)**
[25] EN
[54] **PROCESS FOR DEGRADING PLASTIC PRODUCTS**
[54] **PROCEDE DE DEGRADATION DE PRODUITS PLASTIQUES**
[72] ALOUI DALIBEY, MADIHA, FR
[71] CARBIOS, FR
[85] 2022-05-30
[86] 2020-12-18 (PCT/EP2020/087213)
[87] (WO2021/123301)
[30] EP (19218111.3) 2019-12-19

[21] **3,160,031**
[13] A1
[51] **Int.Cl. G21G 1/00 (2006.01) A61K 51/12 (2006.01)**
[25] EN
[54] **PRODUCTION OF HIGHLY PURIFIED 212PB**
[54] **FABRICATION DE 212PB HAUTEMENT PURIFIE**
[72] LARSEN, ROY H., NO
[71] SCIENCONS AS, NO
[85] 2022-05-30
[86] 2020-12-04 (PCT/EP2020/084701)
[87] (WO2021/110950)
[30] EP (19213759.4) 2019-12-05
[30] EP (20172038.0) 2020-04-29

[21] **3,160,039**
[13] A1
[51] **Int.Cl. A24B 15/167 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **LIQUID COMPOSITION FOR ORAL USE OR FOR USE IN AN AEROSOL DELIVERY DEVICE**
[54] **COMPOSITION LIQUIDE A UTILISATION ORALE OU DESTINEE A ETRE UTILISEE DANS UN DISPOSITIF DE DISTRIBUTION D'AEROSOL**
[72] ST. CHARLES, FRANK KELLEY, US
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-05-30
[86] 2020-12-08 (PCT/IB2020/061613)
[87] (WO2021/116890)
[30] US (16/706,964) 2019-12-09

[21] **3,160,040**
[13] A1
[51] **Int.Cl. F16K 1/16 (2006.01) B65D 90/26 (2006.01) F16K 1/34 (2006.01) F16K 31/20 (2006.01)**
[25] EN
[54] **ROTARY VALVE**
[54] **VANNE ROTATIVE**
[72] NEEB, TIMOTHY HOWARD, CA
[72] ZIMMERMAN, TRISTAN, CA
[71] STORMWELL INC., CA
[85] 2022-05-30
[86] 2020-12-04 (PCT/CA2020/051664)
[87] (WO2021/108915)
[30] US (62/943,425) 2019-12-04

[21] **3,160,043**
[13] A1
[51] **Int.Cl. B01D 3/08 (2006.01) F26B 11/12 (2006.01)**
[25] EN
[54] **METHOD FOR CONTINUOUS THERMAL SEPARATION OF A MULTI-COMPONENT SUBSTANCE**
[54] **PROCEDE DE SEPARATION THERMALE CONTINUE D'UNE SUBSTANCE A COMPOSANTS MULTIPLES**
[72] HELLENES, AGNAR, NO
[71] HELLENES HOLDING AS, NO
[85] 2022-05-30
[86] 2020-12-09 (PCT/EP2020/085337)
[87] (WO2021/116201)
[30] EP (19214531.6) 2019-12-09

[21] **3,160,044**
[13] A1
[51] **Int.Cl. A24B 3/14 (2006.01) A23L 33/105 (2016.01) A23L 33/15 (2016.01) A23L 33/175 (2016.01) A23L 33/21 (2016.01) A23P 20/10 (2016.01) A24F 23/02 (2006.01)**
[25] EN
[54] **ORAL PRODUCT IN A POUROUS POUCH COMPRISING A FLEECE MATERIAL**
[54] **PRODUIT A USAGE ORAL EN SACHET POREUX COMPRENANT UN MATERIAU NON-TISSE**
[72] JOHNSON, SAVANNAH, US
[72] HUTCHENS, RONALD K., GB
[72] MCCLANAHAN, DAVID NEIL, GB
[72] PATEL, PANKAJ, GB
[72] O'NEAL, TRAVIS, GB
[72] BEESON, DWAYNE WILLIAM, GB
[72] JONES, WESLEY STEVEN, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-05-30
[86] 2020-12-07 (PCT/IB2020/061595)
[87] (WO2021/116881)
[30] US (62/945,567) 2019-12-09

[21] **3,160,046**
[13] A1
[51] **Int.Cl. B03D 1/12 (2006.01) B03D 1/02 (2006.01)**
[25] EN
[54] **RELEASE AGENT FOR IMPROVED REMOVAL OF VALUABLE MATERIAL FROM THE SURFACE OF AN ENGINEERED COLLECTION MEDIA**
[54] **AGENT DE LIBERATION POUR UNE ELIMINATION AMELIOREE DE MATERIAU VALORISABLE DE LA SURFACE D'UN SUPPORT DE COLLECTE MODIFIE**
[72] JAUNKY, GUILLAUME, DE
[72] GRIESEL, WOLFGANG, DE
[72] GREENE, ALLISON, US
[72] COPPOLA, MICHAEL D., US
[72] LASSILA, KEVIN, US
[72] RYAN, MICHAEL, US
[72] DOLAN, PAUL, US
[72] FERNALD, MARK R., US
[72] ROTHMAN, PAUL J., US
[71] CIDRA CORPORATE SERVICES LLC, US
[71] BYK-CHEMIE, GMBH, DE
[85] 2022-05-30
[86] 2020-12-11 (PCT/US2020/064496)
[87] (WO2021/119417)
[30] US (62/947,617) 2019-12-13

[21] **3,160,047**
[13] A1
[51] **Int.Cl. B60K 20/02 (2006.01) B60K 20/06 (2006.01) H01H 9/06 (2006.01)**
[25] EN
[54] **SWITCH ASSEMBLY FOR MOUNTING TO A HANDLEBAR OF A VEHICLE**
[54] **ENSEMBLE COMMUTATEUR DESTINE A ETRE MONTE SUR UN GUIDON DE VEHICULE**
[72] BEN ATTOUCH, WALID, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[85] 2022-05-30
[86] 2020-11-30 (PCT/IB2020/061277)
[87] (WO2021/105967)
[30] US (62/941,963) 2019-11-29

[21] **3,160,048**
[13] A1
[51] **Int.Cl. A61B 3/00 (2006.01)**
[25] EN
[54] **OCULAR SYSTEM FOR DECEPTION DETECTION**
[54] **SYSTEME OCULAIRE POUR DETECTION DE TROMPERIE**
[72] ZAKARIAIE, DAVID, US
[72] BOWDEN, JARED, US
[72] HERRMANN, PATRICIA, US
[72] WEISBERG, SETH, US
[72] SOMMERLOT, ANDREW R., US
[72] ANABTAWI, TAUMER, US
[72] BROWN, JOSEPH, US
[72] ROWE, ALEXANDER, US
[72] LIMONCIELLO, LAUREN CAITLIN, US
[72] MCNEIL, KATHRYN, US
[72] CHOI, VERONICA, US
[72] GRIER, KYLE, US
[71] SENSEYE, INC., US
[85] 2022-05-30
[86] 2020-12-19 (PCT/US2020/070939)
[87] (WO2021/127704)
[30] US (62/950,918) 2019-12-19
[30] US (17/247,636) 2020-12-18
[30] US (17/247,635) 2020-12-18
[30] US (17/247,637) 2020-12-18
[30] US (17/247,634) 2020-12-18

[21] **3,160,049**
[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01) G06Q 20/40 (2012.01) G06F 21/32 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **PRIVACY-PRESERVING BIOMETRIC AUTHENTICATION**
[54] **AUTHENTIFICATION BIOMETRIQUE PRESERVANT LA VIE PRIVEE**
[72] HERDER III, CHARLES H., US
[72] SRIVASTAVA, TINA P., US
[72] KWON, YOUNG HYUN, US
[71] BADGE INC., US
[85] 2022-05-30
[86] 2020-12-09 (PCT/US2020/063968)
[87] (WO2021/119099)
[30] US (62/945,590) 2019-12-09
[30] US (63/058,330) 2020-07-29

[21] **3,160,050**
[13] A1
[51] **Int.Cl. B01D 53/62 (2006.01) B01D 53/82 (2006.01) B01J 20/32 (2006.01)**
[25] EN
[54] **DIRECT CAPTURE OF CARBON DIOXIDE**
[54] **CAPTURE DIRECTE DE DIOXYDE DE CARBONE**
[72] GOFF, ADAM, US
[72] BEAUCHAMP, DAMIAN, US
[72] FETVEDT, JEREMY ERON, US
[72] PALMER, MILES R., US
[72] LU, XIJIA, US
[72] RATHBONE, DANIEL, US
[71] 8 RIVERS CAPITAL, LLC, US
[85] 2022-05-30
[86] 2020-12-03 (PCT/IB2020/061455)
[87] (WO2021/111366)
[30] US (62/942,902) 2019-12-03

[21] **3,160,051**
[13] A1
[51] **Int.Cl. F24H 1/18 (2022.01) F24H 9/20 (2022.01) G01M 3/40 (2006.01)**
[25] EN
[54] **WATER HEATER WITH AN INTEGRATED LEAK DETECTION SYSTEM**
[54] **CHAUFFE-EAU DOTE D'UN SYSTEME INTEGRE DE DETECTION DE FUITE**
[72] WEITHERSPOON, DAMIAN, US
[72] DIXON, JESSIE L., US
[72] MACIULEWICZ, NAHOKO, US
[72] GHARIA, SHREYA, US
[71] RHEEM MANUFACTURING COMPANY, US
[85] 2022-05-30
[86] 2020-12-17 (PCT/US2020/065505)
[87] (WO2021/127111)
[30] US (16/719,543) 2019-12-18

[21] **3,160,052**
[13] A1
[51] **Int.Cl. B60B 7/16 (2006.01) B60R 25/01 (2013.01) E05B 77/44 (2014.01)**
[25] EN
[54] **WHEEL LOCKING DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE DE ROUE**
[72] IVARSSON, LARS, SE
[72] EKSTROM, MARCUS, SE
[71] RIMGARD SWEDEN AB, SE
[85] 2022-05-30
[86] 2020-12-02 (PCT/US2020/062923)
[87] (WO2021/113386)
[30] SE (1951377-9) 2019-12-03
[30] US (16/701,236) 2019-12-03

[21] **3,160,054**
[13] A1
[51] **Int.Cl. A61M 5/14 (2006.01) A61B 5/15 (2006.01) A61B 5/153 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **MEDICATION INFUSION DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE PERFUSION DE MEDICATION**
[72] ORONSKY, BRYAN, US
[72] CAROEN, SCOTT, US
[71] EPICENTRX, INC., US
[85] 2022-05-30
[86] 2020-12-11 (PCT/US2020/064521)
[87] (WO2021/119433)
[30] US (62/946,856) 2019-12-11
[30] US (62/946,858) 2019-12-11

[21] **3,160,055**
[13] A1
[51] **Int.Cl. B60B 7/16 (2006.01) B60R 25/01 (2013.01) E05B 77/44 (2014.01)**
[25] EN
[54] **WHEEL LOCKING DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE DE ROUE**
[72] IVARSSON, LARS, SE
[72] EKSTROM, MARCUS, SE
[71] RIMGARD SWEDEN AB, SE
[85] 2022-05-30
[86] 2020-12-02 (PCT/US2020/062917)
[87] (WO2021/113380)
[30] SE (1951376-1) 2019-12-03
[30] US (16/701,321) 2019-12-03

[21] **3,160,056**
[13] A1
[51] **Int.Cl. B60L 5/00 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **LOGISTICS VEHICLE AND LOGISTICS SYSTEM**
[54] **VEHICULE LOGISTIQUE ET SYSTEME LOGISTIQUE**
[72] WANG, XIANWANG, CN
[71] BEIJING JINGDONG QIANSHI TECHNOLOGY CO., LTD., CN
[85] 2022-05-30
[86] 2020-12-18 (PCT/CN2020/137788)
[87] (WO2021/143460)
[30] CN (202010058602.8) 2020-01-19

[21] **3,160,057**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01)**
[25] EN
[54] **LARGE SCALE ORGANOID ANALYSIS**
[54] **ANALYSE D'ORGANOIDES A GRANDE ECHELLE**
[72] LARSEN, BRIAN M., US
[72] STEIN, MICHELLE M., US
[72] IKARGINOV, LUKA A., US
[72] SALAHUDEEN, AMEEN, US
[72] IKANNAN, MADHAVI, US
[72] KHAN, ALY A., US
[72] SANCHEZ FREIRE, VERONICA, US
[72] ZHANG, YILIN, US
[71] TEMPUS LABS, INC., US
[85] 2022-05-30
[86] 2020-12-07 (PCT/US2020/063667)
[87] (WO2021/113846)
[30] US (62/944,292) 2019-12-05
[30] US (63/012,885) 2020-04-20

[21] **3,160,058**
[13] A1
[51] **Int.Cl. B23B 31/113 (2006.01)**
[25] EN
[54] **TOOL PART FOR CONNECTION TO A TOOL COUNTER-PART, TOOL COUNTERPART FOR C ONNECTION TO A TOOL PART, AND TOOL**
[54] **PIECE D'OUTIL DESTINEE A SE RACCORDER A UNE CONTRE-PIECE D'OUTIL, CONTRE-PIECE D'OUTIL DESTINEE A SE RACCORDER A UNE PIECE D'OUTIL, ET OUTIL**
[72] KRESS, JOCHEN, DE
[71] MAPAL FABRIK FUER PRAEZISIONSWERKZEUGE DR. KRESS KG, DE
[85] 2022-05-30
[86] 2020-12-16 (PCT/EP2020/086529)
[87] (WO2021/122821)
[30] DE (10 2019 220 092.3) 2019-12-18

[21] **3,160,059**
[13] A1
[51] **Int.Cl. B65D 21/08 (2006.01) B65D 25/54 (2006.01)**
[25] EN
[54] **PORTABLE COLLAPSIBLE MODULAR AND WATERPROOF STORAGE AND TRANSPORTATION SYSTEM**
[54] **SYSTEME DE STOCKAGE ET DE TRANSPORT PORTATIF, PLIABLE, MODULAIRE ET IMPERMEABLE**
[72] RICHARDSON, ANTHONY DAVID, CA
[72] ANDRE CHARLAND, CA
[71] RUX BOX CORPORATION, CA
[85] 2022-05-30
[86] 2021-02-09 (PCT/CA2020/000139)
[87] (WO2021/108890)
[30] US (62/944,872) 2019-12-06

[21] **3,160,060**
[13] A1
[51] **Int.Cl. B23K 9/04 (2006.01) B23K 26/342 (2014.01) B23K 9/12 (2006.01) B23K 10/02 (2006.01)**
[25] EN
[54] **CONDUCTANCE BASED CONTROL SYSTEM FOR ADDITIVE MANUFACTURING**
[54] **SYSTEME DE COMMANDE A BASE DE CONDUCTANCE DE FABRICATION ADDITIVE**
[72] HERALIC, ALMIR, SE
[72] HAGQVIST, PETTER, SE
[71] PROCADA AB, SE
[85] 2022-05-30
[86] 2020-12-03 (PCT/EP2020/084367)
[87] (WO2021/110793)
[30] EP (19213529.1) 2019-12-04

[21] **3,160,061**
[13] A1
[51] **Int.Cl. C08G 63/183 (2006.01) C08G 63/91 (2006.01) C08J 11/10 (2006.01) C08J 11/14 (2006.01) C08J 11/24 (2006.01) C08J 11/28 (2006.01)**
[25] EN
[54] **MULTIMODAL POLYALKYLENE TEREPHTHALATE**
[54] **POLYALKYLENE TEREPHTALATE MULTIMODAL**
[72] RAZEEM, MOHAMMED, US
[72] DEARMITT, CHRIS, US
[71] OCTAL, INC., US
[85] 2022-05-30
[86] 2020-11-13 (PCT/US2020/060520)
[87] (WO2021/113061)
[30] US (62/942,659) 2019-12-02

[21] **3,160,062**
[13] A1
[51] **Int.Cl. A61B 18/12 (2006.01) H03K 3/335 (2006.01)**
[25] EN
[54] **PULSE GENERATING CIRCUIT, AND ELECTROSURGICAL GENERATOR INCORPORATING THE SAME**
[54] **CIRCUIT DE GENERATION D'IMPULSIONS ET GENERATEUR ELECTROCHIRURGICAL RENFERMANT UN TEL CIRCUIT**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] DAVIES, ILAN, GB
[72] HODGKINS, GEORGE, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2022-05-30
[86] 2020-11-30 (PCT/EP2020/083979)
[87] (WO2021/110607)
[30] GB (1917693.2) 2019-12-04

[21] **3,160,063**
[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/14 (2006.01) A61M 5/145 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **FLUID DELIVERY SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE FLUIDE**
[72] BATARILO, ZVONIMIR, CH
[72] HEIDMANN, DIETER, DE
[72] SIEVERTSEN, JAN, DE
[71] ACIST MEDICAL SYSTEMS, INC., US
[85] 2022-05-30
[86] 2020-09-10 (PCT/EP2020/075268)
[87] (WO2021/129958)
[30] EP (19219192.2) 2019-12-23

[21] **3,160,064**
[13] A1
[51] **Int.Cl. A61B 17/12 (2006.01)**
[25] EN
[54] **LEFT ATRIAL APPENDAGE OCCLUDER**
[54] **DISPOSITIF D'OCCLUSION D'APPENDICE AURICULAIRE GAUCHE**
[72] YANG, BING, CN
[72] LI, ANNING, CN
[72] SHAN, SHUO, CN
[71] LIFETECH SCIENTIFIC (SHENZHEN) CO., LTD., CN
[85] 2022-05-30
[86] 2020-11-25 (PCT/CN2020/131516)
[87] (WO2021/115125)
[30] CN (201911268544.5) 2019-12-11

[21] **3,160,065**
[13] A1
[51] **Int.Cl. F16G 13/16 (2006.01) H02G 11/00 (2006.01) F16L 3/015 (2006.01)**
[25] EN
[54] **CONDUCTOR GUIDING APPARATUS AND MODULAR END FASTENINGS WITH A FLEXIBLE COVER FOR CLEAN ROOM APPLICATIONS**
[54] **APPAREIL DE GUIDAGE DE CONDUCTEURS ET FIXATIONS D'EXTREMITES MODULAIRES A COUVERCLE FLEXIBLE POUR APPLICATIONS EN SALLE PROPRE**
[72] HERMEY, ANDREAS, DE
[72] BARTEN, DOMINIK, DE
[72] MATTONET, PETER, DE
[71] CIPO, CA
[71] IGUS GMBH, DE
[85] 2022-05-30
[86] 2020-12-10 (PCT/EP2020/085610)
[87] (WO2021/116328)
[30] DE (20 2019 106 980.5) 2019-12-14

[21] **3,160,096**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS FOR CANCER IMMUNOTHERAPY, USING LYMPHODEPLETION REGIMENS AND CD19, CD20 OR BCMA ALLOGENEIC CAR T CELLS**
[54] **METHODES D'IMMUNOTHERAPIE ANTICANCEREUSE UTILISANT DES REGIMES DE LYMPHODEPLETION ET DES LYMPHOCYTES CAR-T ALLOGENIQUES CD19, CD20 OU BCMA**
[72] MCCREEDY, BRUCE J. JR., US
[72] JANTZ, DEREK, US
[72] MARTIN, AARON, US
[72] MACLEOD, DANIEL T., US
[71] PRECISION BIOSCIENCES, INC., US
[85] 2022-05-31
[86] 2020-12-03 (PCT/US2020/063159)
[87] (WO2021/113543)
[30] US (62/944,868) 2019-12-06
[30] US (62/945,811) 2019-12-09
[30] US (62/987,752) 2020-03-10
[30] US (62/961,629) 2020-01-15

[21] **3,160,108**
[13] A1
[51] **Int.Cl. D21F 1/32 (2006.01) D21F 9/00 (2006.01) D21F 11/14 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PRODUCING A PULP WEB**
[54]
[72] JANCIC, BORIS, SI
[72] GISSING, LUKAS, AT
[72] MARENCO, STEFANO, AT
[72] GISSING, KLAUS, AT
[71] ANDRITZ AG, AT
[85] 2022-05-31
[86] 2020-12-01 (PCT/EP2020/084043)
[87] (WO2021/151559)
[30] AT (A50071/2020) 2020-01-30

[21] **3,160,114**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 17/00 (2006.01) C07D 215/00 (2006.01)**
[25] EN
[54] **NEW MULTI-FUNCTIONAL OLIGOPEPTIDES**
[54] **NOUVEAUX OLIGOPEPTIDES MULTIFONCTIONNELS**
[72] GU, MING, CN
[72] SONG, MAOQIAN, CN
[72] JANSON, JAN-CHRISTER, SE
[72] SAMUELSSON, BENGT INGEMAR, SE
[71] ENLITISA (SHANGHAI) PHARMACEUTICAL CO., LTD., CN
[85] 2022-05-31
[86] 2020-12-02 (PCT/CN2020/133439)
[87] (WO2021/110064)
[30] CN (PCT/CN2019/122391) 2019-12-02
[30] CN (PCT/CN2020/127176) 2020-11-06

[21] **3,160,119**
[13] A1
[51] **Int.Cl. C10G 31/06 (2006.01) C10G 31/08 (2006.01) C10G 53/04 (2006.01)**
[25] EN
[54] **PRODUCT SEPARATION & PURIFICATION METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE SEPARATION ET DE PURIFICATION DE PRODUITS**
[72] IVERSEN, STEEN BRUMMERSTEDT, DK
[72] JENSEN, CLAUS UHRENHOLT, DK
[72] EGHOLM, HENRIK, DK
[72] VELLING, ANDERS BACH, DK
[72] RAVN, ESBEN, DK
[71] STEEPER ENERGY APS, DK
[85] 2022-05-30
[86] 2020-12-16 (PCT/EP2020/025584)
[87] (WO2021/121662)
[30] DK (PA 2019 01482) 2019-12-16

[21] **3,160,127**
[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) A61K 8/64 (2006.01) A61P 1/04 (2006.01) A61P 11/02 (2006.01) A61P 17/02 (2006.01) A61P 17/06 (2006.01) A61P 17/10 (2006.01) A61P 33/12 (2006.01)**
[25] EN
[54] **NEW CONJUGATES OF PEPTIDES AND POLYSACCHARIDE**
[54] **NOUVEAUX CONJUGUES DE PEPTIDES ET DE POLYSACCHARIDE**
[72] GU, MING, CN
[72] SONG, MAOQIAN, CN
[72] JANSON, JAN-CHRISTER, SE
[72] SAMUELSSON, BENGT INGEMAR, SE
[71] ENLITISA (SHANGHAI) PHARMACEUTICAL CO., LTD., CN
[85] 2022-05-31
[86] 2020-12-02 (PCT/CN2020/133438)
[87] (WO2021/110063)
[30] CN (PCT/CN2019/122391) 2019-12-02

[21] **3,160,134**
[13] A1
[51] **Int.Cl. A61M 5/14 (2006.01) A61M 5/145 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **VALVE ASSEMBLY**
[54] **ENSEMBLE VANNE**
[72] DAHLGREN, ARON DAVID, US
[72] TKACH, CALEB D., US
[72] FODNESS-BONDHUS, SPENCER, US
[71] ACIST MEDICAL SYSTEMS, INC., US
[85] 2022-05-31
[86] 2021-01-28 (PCT/US2021/015396)
[87] (WO2021/154926)
[30] US (62/967,662) 2020-01-30

[21] **3,160,136**
[13] A1
[51] **Int.Cl. B67D 3/04 (2006.01)**
[25] EN
[54] **TAMPER-PREVENTING LIQUID-DISPENSING TAP WITH AUTOMATIC OPENING**
[54] **ROBINET INVIOLABLE DE DISTRIBUTION DE LIQUIDE A OUVERTURE AUTOMATIQUE**
[72] NINI, DIEGO, IT
[71] VITOP MOULDING S.R.L., IT
[85] 2022-05-31
[86] 2020-11-11 (PCT/IT2020/050277)
[87] (WO2021/111480)
[30] IT (102019000022887) 2019-12-03

[21] **3,160,138**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) B33Y 30/00 (2015.01) B33Y 70/00 (2020.01) A61L 27/14 (2006.01) A61L 27/36 (2006.01) A61L 27/38 (2006.01)**
[25] EN
[54] **BIOPRINTING SYSTEM**
[54] **SYSTEME DE BIO-IMPRESSION**
[72] CHALONY, GREGOIRE ANDREW FRANCIS, FR
[72] PILONI, ALBERTO, AU
[72] ARTIST, ZACHARY BENJAMIN, AU
[72] MYERS, SAMUEL JAMES, AU
[72] SEXTON, ANDREW, AU
[72] O'MAHONY, AIDAN PATRICK, AU
[72] LIM, WILLIAM WEN-FENG, AU
[72] HOOD, DEANNA MAREE, AU
[71] INVENTIA LIFE SCIENCE PTY LTD, AU
[85] 2022-05-31
[86] 2020-12-07 (PCT/AU2020/051333)
[87] (WO2021/108870)
[30] AU (2019904627) 2019-12-06

[21] **3,160,149**
[13] A1
[51] **Int.Cl. B65F 1/02 (2006.01) B65F 1/04 (2006.01) B65F 1/06 (2006.01) B65F 1/14 (2006.01)**
[25] EN
[54] **WASTE BIN AND METHOD OF SERVICING THE SAME**
[54] **POUBELLE ET SON PROCEDE D'ENTRETIEN**
[72] KLING, ROBERT, SE
[72] SVEDBERG, AGNE, SE
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2022-05-31
[86] 2019-12-06 (PCT/SE2019/051244)
[87] (WO2021/112731)

[21] **3,160,150**
[13] A1
[51] **Int.Cl. C07D 401/12 (2006.01)**
[25] EN
[54] **NOVEL DEUTERIUM-SUBSTITUTED PYRIMIDINE DERIVATIVE AND PHARMACEUTICAL COMPOSITION COMPRISING SAME**
[54] **NOUVEAU DERIVE DE PYRIMIDINE SUBSTITUE PAR DU DEUTERIUM ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT**
[72] KIM, SUNG-EUN, KR
[72] LEE, SUNHO, KR
[72] RAJESH, RENGASAMY, KR
[72] LEE, YONG HYUB, KR
[72] KONG, YUN JEONG, KR
[71] ONCOBIX CO., LTD., KR
[85] 2022-05-31
[86] 2020-12-15 (PCT/KR2020/018385)
[87] (WO2021/125758)
[30] KR (10-2019-0167769) 2019-12-16

[21] **3,160,153**
[13] A1
[51] **Int.Cl. C07D 217/04 (2006.01) A61K 31/437 (2006.01) A61K 31/4725 (2006.01) C07D 401/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **PRMT5 INHIBITORS**
[54] **INHIBITEURS DE PRMT5**
[72] MACHACEK, MICHELLE, US
[72] ALTMAN, MICHAEL D., US
[72] HUANG, CHUNHUI, US
[72] REUTERSHAN, MICHAEL H., US
[72] SLOMAN, DAVID L., US
[72] WITTER, DAVID J., CA
[72] GIBEAU, CRAIG R., US
[71] MERCK SHARP & DOHME CORP., US
[85] 2022-05-31
[86] 2020-12-14 (PCT/US2020/064765)
[87] (WO2021/126731)
[30] US (62/949,248) 2019-12-17
[30] US (62/949,242) 2019-12-17
[30] US (63/025,629) 2020-05-15

[21] **3,160,161**
[13] A1
[51] **Int.Cl. G16C 20/10 (2019.01) C12P 5/02 (2006.01)**
[25] EN
[54] **METHOD FOR THE EARLY ESTIMATION OF ANAEROBIC DEGRADABILITY OF ORGANIC SUBSTRATES**
[54] **PROCEDE D'ESTIMATION PRECOCE DE LA DEGRADABILITE ANAEROBIE DE SUBSTRATS ORGANIQUES**
[72] FERRETTI, GIANNI, IT
[72] CATENACCI, ARIANNA, IT
[72] MALPEI, FRANCESCA MARIA ALESSANDRA, IT
[71] POLITECNICO DI MILANO, IT
[85] 2022-05-31
[86] 2021-09-28 (PCT/IB2021/058848)
[87] (WO2022/070035)
[30] IT (102020000023089) 2020-09-30

[21] **3,160,164**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING A DEGREE OF RESPIRATORY EFFORT EXERTED BY A PATIENT WHILE BREATHING**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES POUR DETERMINER UN DEGRE D'EFFORT RESPIRATOIRE EXERCE PAR UN PATIENT PENDANT LA RESPIRATION**
[72] EWEJE, FEYISOPE, US
[72] ROSE, AARON, US
[72] GHERSIN, NOA, US
[72] WOLSZON, ZOE JEWELL, US
[72] CARROLL, RYAN, US
[71] DISATI MEDICAL, INC, US
[85] 2022-05-31
[86] 2020-12-04 (PCT/US2020/063458)
[87] (WO2021/113745)
[30] US (62/944,355) 2019-12-05
[30] US (63/094,056) 2020-10-20

[21] **3,160,165**
[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) B32B 5/18 (2006.01) B32B 5/20 (2006.01) B32B 5/24 (2006.01) B32B 7/12 (2006.01) B32B 25/04 (2006.01) B32B 25/10 (2006.01) B32B 25/16 (2006.01) B32B 27/06 (2006.01) B32B 27/12 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01)**
[25] EN
[54] **A SEALING DEVICE WITH HIGH SURFACE ROUGHNESS**
[54] **DISPOSITIF D'ETANCHEITE A RUGOSITE DE SURFACE ELEVEE**
[72] KERBER, CARINE, CH
[72] GOSSI, MATTHIAS, CH
[72] ACKERMANN, HERBERT, CH
[71] SIKA TECHNOLOGY AG, CH
[85] 2022-05-31
[86] 2020-12-09 (PCT/EP2020/085370)
[87] (WO2021/122243)
[30] EP (19217762.4) 2019-12-18

[21] **3,160,167**
[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01)**
[25] EN
[54] **PEPTIDES AND THEIR USE IN THE TREATMENT OF INFLAMMATION**
[54] **PEPTIDES ET LEUR UTILISATION DANS LE TRAITEMENT D'UNE INFLAMMATION**
[72] GU, MING, CN
[72] SONG, MAOQIAN, CN
[72] JANSON, JAN-CHRISTER, SE
[72] SAMUELSSON, BENGT INGEMAR, SE
[71] ENLITISA (SHANGHAI) PHARMACEUTICAL CO., LTD., CN
[85] 2022-05-31
[86] 2020-12-02 (PCT/CN2020/133436)
[87] (WO2021/110061)
[30] CN (PCT/CN2019/122391) 2019-12-02

[21] **3,160,170**
[13] A1
[51] **Int.Cl. H04B 7/14 (2006.01) H04W 84/06 (2009.01) H04B 7/15 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EFFICIENT AND SCALABLE VSAT REAL-TIME MONITORING (VRTM)**
[54] **SYSTEME ET PROCEDE DE SUIVI EN TEMPS REEL VSAT (VRTM) EFFICACE ET EVOLUTIF**
[72] CHOQUETTE, GEORGE, US
[72] KHAN, TAYYAB, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-05-31
[86] 2020-12-30 (PCT/US2020/067564)
[87] (WO2021/138489)
[30] US (16/732,233) 2019-12-31

[21] **3,160,173**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/02 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS COMPRISING AN ANTI-CD47 ANTIBODY IN COMBINATION WITH A TUMOR TARGETING ANTIBODY**
[54] **COMPOSITIONS ET METHODES COMPRENANT UN ANTICORPS ANTI-CD47 EN ASSOCIATION AVEC UN ANTICORPS CIBLANT UNE TUMEUR**
[72] BRESSON, DAMIEN, US
[72] ZHOU, HEYUE, US
[72] PEDROS, CHRISTOPHE, US
[71] SORRENTO THERAPEUTICS, INC., US
[85] 2022-05-31
[86] 2020-12-04 (PCT/US2020/063243)
[87] (WO2021/113596)
[30] US (62/943,926) 2019-12-05
[30] US (63/030,464) 2020-05-27
[30] US (63/065,927) 2020-08-14

[21] **3,160,174**
[13] A1
[51] **Int.Cl. C12P 7/06 (2006.01)**
[25] EN
[54] **PROCESS CONTROL FOR BIOCONVERSIONS**
[54] **CONTROLE DE PROCESSUS POUR BIOCONVERSIONS**
[72] NEUBECK, MICHAEL, US
[72] STILWELL, TREVOR, US
[72] CAMARGO, NESTOR, US
[71] JUPENG BIO (HK) LIMITED, CN
[85] 2022-05-31
[86] 2020-12-15 (PCT/US2020/065092)
[87] (WO2021/146013)
[30] US (62/961,743) 2020-01-16

[21] **3,160,177**
[13] A1
[51] **Int.Cl. G01N 33/487 (2006.01) H01M 10/42 (2006.01) H01M 10/44 (2006.01) H01M 10/48 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR BATTERY PASSIVATION COMPENSATION IN A MEDICAL DEVICE**
[54] **APPAREIL ET PROCEDE DE COMPENSATION DE PASSIVATION DE BATTERIE DANS UN DISPOSITIF MEDICAL**
[72] LOCKRIDGE, LARRY LEWIS, US
[72] FRIDLEY, DUANE PATRICK, US
[72] KLEM, KURT GERARD, US
[72] BLACKBURN, MICHAEL JOSEPH, US
[72] MANLOVE, NATHAN EUGENE, US
[72] MOORE, STEVEN KENT, US
[72] PARKER, MARSHALL M., US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-05-31
[86] 2020-12-11 (PCT/US2020/064433)
[87] (WO2021/126678)
[30] US (16/720,273) 2019-12-19

[21] **3,160,181**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **NOVEL DDR1 ANTIBODIES AND USES THEREOF**
[54] **NOUVEAUX ANTICORPS DDR1 ET LEURS UTILISATIONS**
[72] ZHANG, NINGYAN, US
[72] AN, ZHIQIANG, US
[72] DENG, HUI, US
[72] SUN, XIUJIE, US
[72] LI, RONG, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[71] THE GEORGE WASHINGTON UNIVERSITY, A CONGRESSIONALLY CHARTERED NOT-FOR-PROFIT CORPORATION, US
[85] 2022-05-31
[86] 2020-12-17 (PCT/US2020/065618)
[87] (WO2021/127185)
[30] US (62/949,300) 2019-12-17

[21] **3,160,188**
[13] A1
[51] **Int.Cl. E21B 47/11 (2012.01) E21B 34/06 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **CONVERTIBLE TRACER VALVE ASSEMBLIES AND RELATED METHODS FOR FRACTURING AND TRACING**
[54] **ENSEMBLES SOUPAPE DE TRACEUR CONVERTIBLES ET PROCEDES ASSOCIES POUR LA FRACTURATION ET LE TRACAGE**
[72] ELLIS, DUSTIN, US
[72] ZI, SHAN, US
[72] RAVENSBERGEN, JOHN, CA
[72] HARTY, CRAIG, CA
[72] GILLIS, BROCK, CA
[72] MBERIA, STANLEY, CA
[72] CRUSE, ANNA, US
[72] WHYTE, RIO, CA
[71] NCS MULTISTAGE INC., CA
[71] NCS MULTISTAGE, LLC, US
[85] 2022-05-31
[86] 2020-04-24 (PCT/CA2020/050540)
[87] (WO2021/108891)
[30] US (62/944,002) 2019-12-05

[21] **3,160,190**
[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/00 (2006.01) A61M 5/14 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **MULTI-FLUID DELIVERY SYSTEM**
[54] **SYSTEME DE DISTRIBUTION MULTI-FLUIDE**
[72] BATARILO, ZVONIMIR, CH
[72] HEIDMANN, DIETER, DE
[72] SIEVERTSEN, JAN, DE
[71] ACIST MEDICAL SYSTEMS INC., US
[85] 2022-05-31
[86] 2020-09-10 (PCT/EP2020/075284)
[87] (WO2021/129959)
[30] EP (19219196.3) 2019-12-23

[21] **3,160,191**
[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/14 (2006.01) A61M 5/145 (2006.01)**
[25] EN
[54] **MODULAR FLUID DELIVERY SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE FLUIDE MODULAIRE**
[72] BATARILO, ZVONIMIR, CH
[72] HEIDMANN, DIETER, DE
[72] SIEVERTSEN, JAN, DE
[71] ACIST MEDICAL SYSTEMS, INC., US
[85] 2022-05-31
[86] 2020-09-10 (PCT/EP2020/075316)
[87] (WO2021/129960)
[30] EP (19219206.0) 2019-12-23

[21] **3,160,194**
[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/16 (2006.01)**
[25] EN
[54] **CO-AMORPHOUS FORMS OF BETA-LACTOGLOBULIN AND A DRUG SUBSTANCE**
[54] **FORMES CO-AMORPHES DE BETA-LACTOGLOBULINE ET D'UNE SUBSTANCE MEDICAMENTEUSE**
[72] LOBMANN, KORBINIAN, DK
[72] LENG, DONGLEI, DK
[72] WIBORG, OLE, DK
[71] ZERION PHARMA APS, DK
[85] 2022-05-31
[86] 2020-12-04 (PCT/EP2020/084754)
[87] (WO2021/110983)
[30] EP (19213832.9) 2019-12-05

[21] **3,160,195**
[13] A1
[51] **Int.Cl. A61K 31/435 (2006.01) A61K 31/4353 (2006.01) A61K 31/519 (2006.01) C07D 217/00 (2006.01) C07D 401/14 (2006.01) C07D 487/02 (2006.01)**
[25] EN
[54] **PRMT5 INHIBITORS**
[54] **INHIBITEURS DE PRMT5**
[72] MACHACEK, MICHELLE, US
[72] ALTMAN, MICHAEL D., US
[72] KAWAMURA, SHUHEI, US
[72] SLOMAN, DAVID L., US
[72] WITTER, DAVID J., CA
[72] GIBEAU, CRAIG R., US
[71] MERCK SHARP & DOHME CORP., US
[85] 2022-05-31
[86] 2020-12-14 (PCT/US2020/064766)
[87] (WO2021/126732)
[30] US (62/949,247) 2019-12-17
[30] US (62/949,245) 2019-12-17
[30] US (63/025,608) 2020-05-15

[21] **3,160,197**
[13] A1
[51] **Int.Cl. G01N 21/78 (2006.01) G01N 31/22 (2006.01)**
[25] EN
[54] **METHOD FOR THE DETERMINATION OF SODIUM HYALURONATE CONTENT IN A HYDROGEL**
[54] **PROCEDE DE DETERMINATION DE LA TENEUR EN HYALURONATE DE SODIUM DANS UN HYDROGEL**
[72] MOCCHI, ROBERTO, IT
[71] UB-CARE S.R.L., IT
[85] 2022-05-31
[86] 2020-11-30 (PCT/EP2020/083926)
[87] (WO2021/110593)
[30] IT (102019000022626) 2019-12-02

[21] **3,160,199**
[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01) A61K 9/00 (2006.01) A61K 48/00 (2006.01) C07K 14/81 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR GENE DELIVERY TO THE AIRWAYS AND/OR LUNGS**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT L'APPORT DE GENES AUX VOIES RESPIRATOIRES ET/OU AUX POUMONS**
[72] KRISHNAN, SUMA, US
[72] PARRY, TREVOR, US
[72] AGARWAL, POOJA, US
[72] ARTUSI, SARA, US
[72] YOVCHEV, MLADEN, US
[71] KRYSTAL BIOTECH, INC., US
[85] 2022-05-31
[86] 2020-12-18 (PCT/US2020/066150)
[87] (WO2021/127524)
[30] US (62/951,523) 2019-12-20

[21] **3,160,200**
[13] A1
[51] **Int.Cl. B21C 37/08 (2006.01) H01B 7/14 (2006.01) H01B 7/20 (2006.01) H01B 7/282 (2006.01) H01B 13/22 (2006.01) H01B 13/24 (2006.01) H01B 13/26 (2006.01)**
[25] EN
[54] **AC SUBMARINE POWER CABLE WITH REDUCED LOSSES**
[54] **CABLE D'ALIMENTATION SOUS-MARIN A CA A PERTES REDUITES**
[72] THYRVIN, OLA, SE
[72] PERSBERG, ANDREAS, SE
[72] TYRBERG, ANDREAS, SE
[72] SANDELL, HAKAN, SE
[71] NKT HV CABLES AB, SE
[85] 2022-05-31
[86] 2020-12-18 (PCT/EP2020/087309)
[87] (WO2021/123373)
[30] EP (19218059.4) 2019-12-19

[21] **3,160,204**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CCR8 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CCR8 ET LEURS UTILISATIONS**
[72] HOLLAND, PAMELA M., US
[72] LAKE, ANDREW, US
[72] DULAK, AUSTIN, US
[72] SMITH, ERNEST, US
[72] SCRIVENS, MARIA, US
[72] HARVEY, CARRIE, US
[72] KIRK, RENEE, US
[72] BALCH, LESLIE, US
[72] DAS, SONIA G., US
[72] WELLS, CHRISTOPHER CONVERSE, US
[71] VACCINEX, INC., US
[85] 2022-05-31
[86] 2021-01-06 (PCT/US2021/012329)
[87] (WO2021/142002)
[30] US (62/957,758) 2020-01-06
[30] US (62/985,152) 2020-03-04
[30] US (63/198,803) 2020-11-13

[21] **3,160,206**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) A61K 47/32 (2006.01) A61P 15/10 (2006.01) G01N 25/48 (2006.01) G01N 25/58 (2006.01) G01N 31/00 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITION AND METHODS OF MEASURING THE COOLING ABILITY OF A TOPICAL COMPOSITION**
[54] **COMPOSITION TOPIQUE ET PROCEDES DE MESURE DE LA CAPACITE DE REFROIDISSEMENT D'UNE COMPOSITION TOPIQUE**
[72] DAVIS, ADRIAN, GB
[71] FUTURA MEDICAL DEVELOPMENTS LIMITED, GB
[85] 2022-05-31
[86] 2020-10-22 (PCT/GB2020/052660)
[87] (WO2021/116651)
[30] GB (1918039.7) 2019-12-09
[30] GB (2015404.3) 2020-09-29

[21] **3,160,209**
[13] A1
[51] **Int.Cl. H04W 28/06 (2009.01)**
[25] EN
[54] **DETERMINATION OF CONTENTION RESOLUTION TIMER**
[54] **DETERMINATION D'UN TEMPORISATEUR DE RESOLUTION DE CONFLITS**
[72] TURTINEN, SAMULI, FI
[72] WU, CHUNLI, CN
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2022-05-31
[86] 2020-02-21 (PCT/CN2020/076188)
[87] (WO2021/163999)

[21] **3,160,210**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07K 16/40 (2006.01) G01N 33/573 (2006.01)**
[25] EN
[54] **ANTI-MERTK ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-MERTK ET LEURS PROCEDES D'UTILISATION**
[72] LEE, SEUNG-JOO, US
[72] LIANG, SPENCER, US
[72] YEE, ANGIE, US
[72] ROELL, MARINA, US
[72] ROSENTHAL, ARNON, US
[71] ALECTOR LLC, US
[85] 2022-05-31
[86] 2020-12-11 (PCT/US2020/064640)
[87] (WO2021/119508)
[30] US (62/947,855) 2019-12-13
[30] US (63/016,821) 2020-04-28
[30] US (63/121,773) 2020-12-04

[21] **3,160,212**
[13] A1
[51] **Int.Cl. H04N 19/105 (2014.01)**
[25] EN
[54] **REAL-TIME VOLUMETRIC VISUALIZATION OF 2-D IMAGES**
[54] **VISUALISATION VOLUMETRIQUE EN TEMPS REEL D'IMAGES 2D**
[72] ANDERBERG, TOBIAS, US
[71] SONY GROUP CORPORATION, JP
[71] SONY PICTURES ENTERTAINMENT INC., US
[85] 2022-05-31
[86] 2020-12-10 (PCT/US2020/064272)
[87] (WO2021/119285)
[30] US (62/947,732) 2019-12-13
[30] US (16/883,449) 2020-05-26

[21] **3,160,214**
[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/05 (2006.01) A61B 1/06 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR COLOR CORRECTION OF TWO OR MORE SELF-ILLUMINATED CAMERA SYSTEMS**
[54] **PROCEDE ET DISPOSITIF DE CORRECTION DE COULEUR DE DEUX OU PLUS DE DEUX SYSTEMES DE CAMERA AUTO-ECLAIRES**
[72] HEDGES, BENJAMIN PERRY, US
[72] KENNEDY, BRUCE LAURENCE, US
[72] STEINER, MICHAEL DOMINIK, US
[71] ARTHREX, INC., US
[85] 2022-05-31
[86] 2020-12-02 (PCT/US2020/062910)
[87] (WO2021/118844)
[30] US (16/708,892) 2019-12-10

[21] **3,160,216**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 35/17 (2015.01) A61K 31/145 (2006.01) A61K 31/155 (2006.01) A61K 31/54 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **USE OF MMP INHIBITION**
[54] **UTILISATION DE L'INHIBITION DE MMP**
[72] HAKIM, MOTTI, IL
[72] FRIDMAN-DROR, ANNA, IL
[72] MANDEL, ILANA, IL
[72] BEN-MOSHE, TEHILA, IL
[72] SAPIR, YAIR, IL
[72] SHULMAN, AVIDOR, IL
[71] BIOND BIOLOGICS LTD., IL
[85] 2022-05-31
[86] 2020-12-02 (PCT/IL2020/051243)
[87] (WO2021/111441)
[30] US (62/942,240) 2019-12-02
[30] US (62/954,802) 2019-12-30
[30] IL (PCT/IL2020/050297) 2020-03-12

[21] **3,160,217**
[13] A1
[51] **Int.Cl. A61B 17/072 (2006.01)**
[25] EN
[54] **TISSUE REGENERATIVE MULTI-DRUG COCKTAIL AND APPARATUS FOR DELIVERY THEREOF**
[54] **COCKTAIL MULTI-MEDICAMENT REGENERATEUR DE TISSU ET APPAREIL POUR SA MISE EN PLACE**
[72] LEVIN, MICHAEL, US
[72] KAPLAN, DAVID L., US
[72] MURUGAN, NIROSHA J., US
[71] TRUSTEES OF TUFTS COLLEGE, US
[85] 2022-05-31
[86] 2020-12-07 (PCT/US2020/063665)
[87] (WO2021/113844)
[30] US (62/944,707) 2019-12-06

[21] **3,160,218**
[13] A1
[51] **Int.Cl. F03B 13/20 (2006.01) F03G 3/08 (2006.01) F03G 7/08 (2006.01)**
[25] EN
[54] **POWER GENERATOR**
[54] **GROUPE ELECTROGENE**
[72] MICHETTI, VINCENZO, IT
[72] MATTIAZZO, GIULIANA, IT
[72] BRACCO, GIOVANNI, IT
[72] CARAPELLESE, FABIO, IT
[72] SIRIGU, SERGEJ ANTONELLO, IT
[72] BONFANTI, MAURO, IT
[71] ENI S.P.A., IT
[85] 2022-05-31
[86] 2020-12-04 (PCT/IB2020/061527)
[87] (WO2021/111405)
[30] IT (102019000023280) 2019-12-06

[21] **3,160,220**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **SOLUBLE CD28 LEVELS DURING IMMUNOTHERAPY**
[54] **NIVEAUX DE CD28 SOLUBLE PENDANT L'IMMUNOTHERAPIE**
[72] HAKIM, MOTTI, IL
[72] FRIDMAN-DROR, ANNA, IL
[72] SHILOVIZKY, ORIT, IL
[72] ALISHEKEVITZ, DROR, IL
[72] MANDEL, ILANA, IL
[72] BEN-MOSHE, TEHILA, IL
[72] SAPIR, YAIR, IL
[72] SHULMAN, AVIDOR, IL
[71] BIOND BIOLOGICS LTD., IL
[85] 2022-05-31
[86] 2020-12-02 (PCT/IL2020/051244)
[87] (WO2021/111442)
[30] US (62/942,276) 2019-12-02

[21] **3,160,221**
[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01)**
[25] EN
[54] **NON-AQUEOUS SOLVENT FOR REMOVING ACIDIC GAS FROM A PROCESS GAS STREAM FOR HIGH PRESSURE APPLICATIONS**
[54] **SOLVANT NON AQUEUX POUR ELIMINER UN GAZ ACIDE D'UN FLUX DE GAZ DE TRAITEMENT POUR DES APPLICATIONS A HAUTE PRESSION**
[72] TANTHANA, JAK, US
[72] ZHOU, SHAOJUN JAMES, US
[72] MOBLEY, PAUL, US
[72] GUPTA, VIJAY, US
[72] LAIL, MARTY, US
[72] RABINDRAN, ARAVIND VILLAVA RAYER, US
[72] GOHNDRONE, THOMAS, US
[71] RESEARCH TRIANGLE INSTITUTE, US
[85] 2022-05-31
[86] 2020-12-09 (PCT/US2020/063892)
[87] (WO2021/119058)
[30] US (62/946,737) 2019-12-11

[21] **3,160,222**
[13] A1
[51] **Int.Cl. G06T 15/00 (2011.01) G06T 17/20 (2006.01)**
[25] EN
[54] **REDUCING VOLUMETRIC DATA WHILE RETAINING VISUAL FIDELITY**
[54] **REDUIRE DES DONNEES VOLUMETRIQUES TOUT EN PRESERVANT LA FIDELITE VISUELLE**
[72] HUNT, BRAD, US
[72] ANDERBERG, TOBIAS, US
[71] SONY GROUP CORPORATION, JP
[71] SONY PICTURES ENTERTAINMENT INC., US
[85] 2022-05-31
[86] 2020-12-11 (PCT/US2020/064468)
[87] (WO2021/119405)
[30] US (62/947,715) 2019-12-13
[30] US (16/874,859) 2020-05-15

[21] **3,160,223**
[13] A1
[51] **Int.Cl. B66C 1/16 (2006.01) B65G 57/24 (2006.01) B66C 1/28 (2006.01) B66C 1/32 (2006.01)**
[25] EN
[54] **A SPREADER FOR LIFTING A LOAD**
[54] **PALONNIER POUR LEVAGE D'UNE CHARGE**
[72] HUHTANIEMI, JORI, FI
[71] HUHTAWARE OY, FI
[85] 2022-05-31
[86] 2020-12-03 (PCT/FI2020/050813)
[87] (WO2021/111038)
[30] FI (20196056) 2019-12-04

[21] **3,160,225**
[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) H01M 10/613 (2014.01) H01M 10/6555 (2014.01) H01M 10/658 (2014.01) B32B 5/18 (2006.01) B32B 15/04 (2006.01) B32B 15/08 (2006.01) B32B 27/06 (2006.01) F16L 59/02 (2006.01)**
[25] EN
[54] **AEROGEL-BASED COMPONENTS AND SYSTEMS FOR ELECTRIC VEHICLE THERMAL MANAGEMENT**
[54] **COMPOSANTS A BASE D'AEROGEL ET SYSTEMES DE GESTION THERMIQUE DE VEHICULES ELECTRIQUES**
[72] EVANS, OWEN, US
[72] GOULD, GEORGE, US
[72] DEKRAFFT, KATHRYN, US
[72] MIHALCIK, DAVID, US
[72] BAUR, DAVID, US
[71] ASPEN AEROGELS INC., US
[85] 2022-05-31
[86] 2020-11-30 (PCT/US2020/062622)
[87] (WO2021/113189)
[30] US (62/942,495) 2019-12-02
[30] US (62/958,135) 2020-01-07
[30] US (63/056,527) 2020-07-24
[30] US (17/106,940) 2020-11-30

[21] **3,160,228**
[13] A1
[51] **Int.Cl. E21B 34/10 (2006.01)**
[25] EN
[54] **A VALVE ASSEMBLY**
[54] **ENSEMBLE SOUPAPE**
[72] MANETT, KRIS, GB
[72] YEATS, LINDA, GB
[71] EXPRO NORTH SEA LIMITED, GB
[85] 2022-05-31
[86] 2020-11-20 (PCT/GB2020/052968)
[87] (WO2021/105652)
[30] GB (1917311.1) 2019-11-28

[21] **3,160,229**
[13] A1
[51] **Int.Cl. C07C 7/13 (2006.01) B01J 20/08 (2006.01) B01J 20/18 (2006.01) C07C 11/02 (2006.01) C07C 11/08 (2006.01) C07C 11/10 (2006.01) C07C 11/107 (2006.01)**
[25] EN
[54] **METHOD OF PURIFYING ALPHA-OLEFIN AND COMPOSITION FOR PURIFYING ALPHA-OLEFIN THEREFOR**
[54] **PROCEDE DE PURIFICATION D'ALPHA-OLEFINE ET COMPOSITION POUR PURIFICATION D'ALPHA-OLEFINE ASSOCIEE**
[72] OH, YEONOCK, KR
[72] SHIM, CHOON SIK, KR
[72] SHIN, DAE HO, KR
[72] CHOI, JAESUK, KR
[72] LEE, HOWON, KR
[71] SABIC SK NEXLENE COMPANY PTE. LTD., SG
[85] 2022-05-31
[86] 2020-12-08 (PCT/IB2020/061619)
[87] (WO2021/124008)
[30] KR (10-2019-0169339) 2019-12-18

[21] **3,160,397**
[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/06 (2006.01) E21B 43/26 (2006.01) F16K 15/18 (2006.01)**
[25] EN
[54] **ASYNCHRONOUS FRAC-TO-FRAC OPERATIONS FOR HYDROCARBON RECOVERY AND VALVE SYSTEMS**
[54] **OPERATIONS DE FRACTURATION-A-FRACTURATION ASYNCHRONES POUR SYSTEMES DE RECUPERATION D'HYDROCARBURES ET SOUPAPES**
[72] MACPHAIL, WARREN, CA
[72] POWELL, JESSE, CA
[72] WERRIES, MICHAEL, CA
[72] GILLIS, BROCK, CA
[71] NCS MULTISTAGE, INC., CA
[85] 2022-06-01
[86] 2020-12-21 (PCT/CA2020/051780)
[87] (WO2021/119852)
[30] US (62/951,307) 2019-12-20

[21] **3,160,547**
[13] A1
[51] **Int.Cl. A01K 63/10 (2017.01)**
[25] EN
[54] **FLEXIBLE CLEANING DEVICE FOR AQUARIUM AND METHODS**
[54] **DISPOSITIF DE NETTOYAGE FLEXIBLE POUR AQUARIUM ET PROCEDES CORRESPONDANTS**
[72] WALLMEIER, BERND, US
[72] GUNDLACH, KATJA, US
[71] SPECTRUM BRANDS, INC., US
[71] WALLMEIER, BERND, US
[71] GUNDLACH, KATJA, US
[85] 2022-06-02
[86] 2020-12-04 (PCT/US2020/063467)
[87] (WO2021/113753)
[30] US (62/944,537) 2019-12-06

[21] **3,161,618**
[13] A1
[51] **Int.Cl. F21V 13/12 (2006.01) F21S 10/00 (2006.01) F21V 14/00 (2018.01)**
[25] EN
[54] **LAMP PROJECTING STARRY SKY AND NEBULA GENERATION METHOD THEREOF**
[54] **LAMPE DE PROJECTION D'UN CIEL ETOILE ET METHODE DE GENERATION D'UNE NEBULEUSE CONNEXE**
[72] LI, XUE QUAN, CN
[71] LANGWEISI TECHNOLOGY (SHENZHEN) CO., LTD, CN
[85] 2022-06-06
[86] 2021-12-07 (PCT/CN2021/136073)
[87] (3161618)
[30] CN (202110156576.7) 2021-02-04

[21] **3,162,347**
[13] A1
[51] **Int.Cl. A23L 33/10 (2016.01) A23L 33/135 (2016.01)**
[25] EN
[54] **HIGH PROTEIN FOOD COMPOSITIONS**
[54] **COMPOSITIONS ALIMENTAIRES A HAUTE TENEUR EN PROTEINES**
[72] DYSON, LISA, US
[72] RAO, KRIPA, US
[72] REED, JOHN, US
[71] AIR PROTEIN, INC., US
[85] 2022-06-17
[86] 2020-12-30 (PCT/US2020/067555)
[87] (WO2021/138482)
[30] US (62/956,110) 2019-12-31

[21] **3,162,462**
[13] A1
[51] **Int.Cl. B63B 21/50 (2006.01)**
[25] EN
[54] **IMPROVED TURRET MOORING SYSTEM**
[54] **SYSTEME D'AMARRAGE A TOURELLE AMELIORE**
[72] HAYMAN, JASON, GB
[72] BURDEN, CHRISTOPHER, GB
[72] CRESSWELL, NICHOLAS, GB
[71] SUSTAINABLE MARINE ENERGY LIMITED, GB
[85] 2022-06-20
[86] 2020-12-18 (PCT/GB2020/053307)
[87] (WO2021/123825)
[30] GB (1919097.4) 2019-12-20

[21] **3,162,980**
[13] A1
[51] **Int.Cl. A01H 1/08 (2006.01) A01H 6/28 (2018.01)**
[25] EN
[54] **MODIFIED PLOIDY LEVELS OF A CANNABIS PLANT**
[54] **DEGRES DE PLOIDIE MODIFIES D'UNE PLANTE DE CANNABIS**
[72] CAMPBELL, BENJAMIN, US
[72] UPPGAARD, ANDERS, US
[71] CALYXT, INC., US
[85] 2022-06-23
[86] 2020-12-23 (PCT/US2020/066866)
[87] (WO2021/133922)
[30] US (62/953,012) 2019-12-23
[30] US (63/070,938) 2020-08-27

[21] **3,163,058**
[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 47/125 (2012.01) E21B 47/14 (2006.01) F04D 13/10 (2006.01)**
[25] EN
[54] **TORQUE MONITORING OF ELECTRICAL SUBMERSIBLE PUMP ASSEMBLY**
[54] **SURVEILLANCE DE COUPLE D'UN ENSEMBLE POMPE SUBMERSIBLE ELECTRIQUE**
[72] SEMPLE, RYAN, US
[72] TANNER, DAVID, US
[71] BAKER HUGHES OILFIELD OPERATIONS, LLC, US
[85] 2022-06-24
[86] 2021-01-08 (PCT/US2021/012601)
[87] (WO2021/142193)
[30] US (62/958,529) 2020-01-08
[30] US (17/143,494) 2021-01-07

[21] **3,163,170**
[13] A1
[51] **Int.Cl. A61K 31/728 (2006.01) A61K 31/722 (2006.01) A61P 3/04 (2006.01)**
[25] FR
[54] **COMPOSITION FOR WEIGHT MANAGEMENT OF A SUBJECT**
[54] **COMPOSITION POUR LA GESTION DU POIDS D'UN SUJET**
[72] MARCAIS, OLIVIER, FR
[71] MRS-BIOTECH, FR
[85] 2022-06-27
[86] 2020-12-28 (PCT/EP2020/087936)
[87] (WO2021/148229)
[30] FR (1915796) 2019-12-31

[21] **3,163,289**
[13] A1
[51] **Int.Cl. A23K 10/20 (2016.01) A23K 10/30 (2016.01) A23K 40/25 (2016.01) A23K 50/45 (2016.01) B29C 48/36 (2019.01) B29C 48/875 (2019.01)**
[25] EN
[54] **LOW MOISTURE EXTRUSION PROCESS**
[54] **PROCEDE D'EXTRUSION A FAIBLE HUMIDITE**
[72] GHARIBIAN, WILLIAM, US
[72] NGUYEN, JUSTIN, US
[72] WATKINS, ADAM, US
[72] CONYER, SJON-PAUL, US
[71] MARS, INCORPORATED, US
[71] MARS, INC., US
[85] 2022-06-28
[86] 2021-02-10 (PCT/US2021/017471)
[87] (WO2021/163203)
[30] US (62/972,501) 2020-02-10

[21] **3,165,834**
[13] A1
[51] **Int.Cl. A61B 18/02 (2006.01)**
[25] EN
[54] **FLEXIBLE CRYOPROBE**
[54] **CRYOSONDE FLEXIBLE**
[72] RAMADHYANI, SATISH, US
[72] KVEEN, GRAIG, US
[72] NATESAN, HARISHANKAR, US
[71] BIOCOMPATIBLES UK LIMITED, GB
[85] 2022-02-14
[86] 2020-08-14 (PCT/US2020/046474)
[87] (WO2021/030734)
[30] US (62/886,858) 2019-08-14

[21] **3,166,084**
[13] A1
[51] **Int.Cl. A23L 33/115 (2016.01) A23L 29/10 (2016.01) A23L 33/10 (2016.01) A23L 33/125 (2016.01) A23G 3/36 (2006.01) A23G 3/40 (2006.01) A23L 2/52 (2006.01) A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 9/50 (2006.01) A61K 47/26 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **ORAL COMPOSITIONS OF LIPOPHILIC DIETY SUPPLEMENTS, NUTRACEUTICALS AND BENEFICIAL EDIBLE OILS**
[54] **COMPOSITIONS ORALES DE COMPLEMENTS ALIMENTAIRES LIPOPHILES, NUTRACEUTIQUES ET HUILES COMESTIBLES BENEFIQUES**
[72] EZRA, RAFAEL, IL
[71] KARNAK TECHNOLOGIES, LLC, US
[85] 2022-06-24
[86] 2021-07-29 (PCT/IL2021/050914)
[87] (WO2022/024126)
[30] US (63/058,278) 2020-07-29

[21] **3,166,090**
[13] A1
[51] **Int.Cl. G06F 16/9035 (2019.01) H04W 4/08 (2009.01) G06F 16/9535 (2019.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PUSHING SUBSCRIPTION DATA IN INTERNET OF THINGS, DEVICE AND STORAGE MEDIUM THEREOF**
[54] **PROCEDE ET APPAREIL DE DIFFUSION SELECTIVE DE DONNEES D'ABONNEMENT DANS L'INTERNET DES OBJETS, DISPOSITIF ET SUPPORT DE STOCKAGE ASSOCIES**
[72] XIA, YUANYUAN, CN
[72] ZHOU, XIAOMIN, CN
[71] ENVISION DIGITAL INTERNATIONAL PTE. LTD., SG
[71] SHANGHAI ENVISION DIGITAL CO., LTD., CN
[85] 2022-06-24
[86] 2020-12-22 (PCT/SG2020/050768)
[87] (WO2021/133251)
[30] CN (201911370689.6) 2019-12-26

[21] **3,166,096**
[13] A1
[51] **Int.Cl. G06F 7/00 (2006.01) H01M 8/04298 (2016.01) H01M 8/04537 (2016.01)**
[25] EN
[54] **ELECTRICAL POWER GENERATING SYSTEM**
[54] **SYSTEME DE GENERATION D'ENERGIE ELECTRIQUE**
[72] JORGENSON, JOEL, US
[72] JORGENSON, ADAM, US
[72] MESSERSCHMIDT, BRIAN, US
[72] WOHL, THOMAS, US
[71] BWR INNOVATIONS LLC, US
[85] 2022-06-24
[86] 2020-01-29 (PCT/US2020/015545)
[87] (WO2021/145904)
[30] US (16/745,448) 2020-01-17

[21] **3,166,112**
[13] A1
[51] **Int.Cl. H01L 23/367 (2006.01)**
[25] EN
[54] **HEAT DISSIPATION PLATE FOR CHIP HEAT DISSIPATION, SERVER HEAT DISSIPATION SYSTEM, AND HEATING DEVICE**
[54] **PLAQUE DE DISSIPATION THERMIQUE POUR DISSIPER LA CHALEUR DE PUCE, SYSTEME DE DISSIPATION THERMIQUE DE SERVEUR ET DISPOSITIF DE CHAUFFAGE**
[72] LI, RISHENG, CN
[72] LIU, YUNFENG, CN
[72] WANG, LIEDONG, CN
[71] HANGZHOU DARERUOHAN TECHNOLOGY CO., LTD., CN
[85] 2022-06-27
[86] 2021-01-21 (PCT/CN2021/073165)
[87] (WO2021/129889)
[30] CN (201922386663.2) 2019-12-26

[21] **3,166,174**
[13] A1
[51] **Int.Cl. H01M 4/131 (2010.01) H01M 4/1391 (2010.01) H01M 10/0525 (2010.01) H01M 10/054 (2010.01)**
[25] EN
[54] **LI/NA-ION BATTERY ANODE MATERIALS**
[54] **MATERIAUX D'ANODE DE BATTERIE LITHIUM-ION OU SODIUM-ION**
[72] GROOMBRIDGE, ALEXANDER S., GB
[72] DE LA VERPILLIERE, JEAN, GB
[72] SANTHANAM, SUMITHRA, GB
[72] ZHANG, WANWEI, GB
[72] HOUCK, MAURITS E., GB
[71] ECHION TECHNOLOGIES LIMITED, GB
[85] 2022-04-05
[86] 2020-10-08 (PCT/GB2020/052486)
[87] (WO2021/074593)
[30] GB (1915151.3) 2019-10-18
[30] GB (2002487.3) 2020-02-21
[30] GB (2008352.3) 2020-06-03
[30] GB (2011681.0) 2020-07-28
[30] GB (2013576.0) 2020-08-28

[21] **3,166,194**
[13] A1
[51] **Int.Cl. G16B 30/00 (2019.01) G16B 40/20 (2019.01)**
[25] EN
[54] **ANCESTRY INFERENCE BASED ON CONVOLUTIONAL NEURAL NETWORK**
[54] **INFERENCE D'ASCENDANCE BASEE SUR UN RESEAU NEURONAL CONVOLUTIONNEL**
[72] MCMASTER-SCHRAIBER, JOSHUA GOODWIN JON, US
[72] SONG, SHIYA, US
[72] WANG, YONG, US
[71] ANCESTRY.COM DNA, LLC, US
[85] 2022-06-24
[86] 2021-01-15 (PCT/IB2021/050275)
[87] (WO2021/144742)
[30] US (62/962,786) 2020-01-17
[30] US (15/931,009) 2020-05-13

[21] **3,166,210**
[13] A1
[51] **Int.Cl. A61K 31/353 (2006.01) A61K 31/137 (2006.01) A61K 31/195 (2006.01) A61K 31/5375 (2006.01) A61K 31/538 (2006.01) A61P 5/20 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION OF CASR MODULATORS AND METHODS AND USES THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE DE MODULATEURS DE CASR ET PROCEDES ET UTILISATIONS ASSOCIES**
[72] KAMBOJ, RAJENDER KUMAR, IN
[72] BAKHLE, DHANANJAY SADASHIV, IN
[72] SHAH, CHIRAG ANILKUMAR, IN
[71] LUPIN LIMITED, IN
[85] 2022-06-27
[86] 2020-12-26 (PCT/IN2020/051057)
[87] (WO2021/130779)
[30] IN (201921054138) 2019-12-27
[30] IN (202021006208) 2020-02-13

[21] **3,166,258**
[13] A1
[51] **Int.Cl. G06F 21/57 (2013.01) G06N 20/00 (2019.01)**
[25] EN
[54] **DYNAMIC ACCOUNT RISK ASSESSMENT FROM HETEROGENEOUS EVENTS**
[54] **EVALUATION DES RISQUES DE COMPTES DYNAMIQUES A PARTIR D'EVENEMENTS HETEROGENES**
[72] TSENG, HUNG WEI, US
[72] PATIL, KAILASH, US
[71] PINDROP SECURITY, INC., US
[85] 2022-06-27
[86] 2021-01-27 (PCT/US2021/015239)
[87] (WO2021/158401)
[30] US (62/969,954) 2020-02-04

[21] **3,166,263**
[13] A1
[51] **Int.Cl. G10L 17/00 (2013.01) G06F 21/32 (2013.01) G10L 17/04 (2013.01) G10L 15/16 (2006.01)**
[25] EN
[54] **CROSS-CHANNEL ENROLLMENT AND AUTHENTICATION OF VOICE BIOMETRICS**
[54] **ENROLEMENT ET AUTHENTIFICATION DE CANAUX PAR BIOMETRIE VOCALE**
[72] SIVARAMAN, GANESH, US
[72] KHOURY, ELIE, US
[72] KUMAR, AVROSH, US
[71] PINDROP SECURITY, INC., US
[85] 2022-06-27
[86] 2021-02-02 (PCT/US2021/016189)
[87] (WO2021/158531)
[30] US (62/969,484) 2020-02-03

[21] **3,166,308**
[13] A1
[51] **Int.Cl. G02C 7/04 (2006.01)**
[25] EN
[54] **LENSES HAVING DIFFRACTIVE PROFILES WITH IRREGULAR WIDTH FOR VISION TREATMENT**
[54] **LENTILLES AYANT DES PROFILS DE DIFFRACTION AYANT UNE LARGEUR IRREGULIERE POUR LE TRAITEMENT DE LA VISION**
[72] ROSEN, ROBERT, NL
[72] GOUNOU, FRANCK, NL
[71] AMO GRONINGEN B.V., NL
[85] 2022-06-28
[86] 2020-11-16 (PCT/EP2020/082298)
[87] (WO2021/136617)
[30] US (62/955,355) 2019-12-30

[21] **3,166,311**
[13] A1
[51] **Int.Cl. B60L 7/10 (2006.01) B60L 3/00 (2019.01) H02J 7/00 (2006.01) H02J 7/14 (2006.01)**
[25] EN
[54] **FEEDBACK CURRENT CONTROL DEVICE AND AERIAL PLATFORM TRUCK**
[54] **DISPOSITIF DE COMMANDE DE COURANT DE RETROACTION ET CAMION A PLATEFORME ELEVATRICE**
[72] REN, HUILI, CN
[72] ZHONG, YI, CN
[72] ZHU, HOU, CN
[72] XIONG, LU, CN
[72] SUN, WEIPING, CN
[71] ZOOMLION INTELLIGENT ACCESS MACHINERY CO., LTD., CN
[85] 2022-06-28
[86] 2021-03-30 (PCT/CN2021/084038)
[87] (WO2022/027984)
[30] CN (202010768953.8) 2020-08-03

[21] **3,166,315**
[13] A1
[51] **Int.Cl. A61M 5/32 (2006.01) A61B 17/00 (2006.01) A61F 9/00 (2006.01)**
[25] EN
[54] **SELF-SEALABLE INJECTION NEEDLE FOR INHIBITING FORMATION OF FISTULA ON EYEBALL, AND METHOD FOR MANUFACTURING SAME**
[54] **AIGUILLE D'INJECTION AUTO-SCELLABLE PERMETTANT D'INHIBER LA FORMATION D'UNE FISTULE SUR UN GLOBE OCULAIRE, ET SON PROCEDE DE FABRICATION**
[72] LEE, MOON SUE, KR
[72] KOH, MI YOUNG, KR
[72] KIM, SOOMI, KR
[72] SONG, JONG SUK, KR
[72] EOM, YOUNGSUB, KR
[71] INNOTHERAPY INC., KR
[85] 2022-06-28
[86] 2020-11-18 (PCT/KR2020/016274)
[87] (WO2021/137430)
[30] KR (10-2019-0179379) 2019-12-31
[30] KR (10-2020-0047768) 2020-04-21

[21] **3,166,317**
[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 17/02 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **A DOWNHOLE CONTROL ARRANGEMENT, A VALVE ARRANGEMENT, A SIDE POCKET MANDREL, AND METHOD FOR OPERATING A DOWNHOLE VALVE ARRANGEMENT**
[54] **AGENCEMENT DE COMMANDE DE FOND DE TROU, AGENCEMENT DE VANNE, MANDRIN DE POCHE LATERALE ET PROCEDE DE FONCTIONNEMENT D'UN AGENCEMENT DE VANNE DE FOND DE TROU**
[72] GUEST, OLIVER, NO
[71] PETROLEUM TECHNOLOGY COMPANY AS, NO
[85] 2022-06-28
[86] 2021-01-29 (PCT/NO2021/050028)
[87] (WO2021/154091)
[30] NO (20200124) 2020-01-31

[21] **3,166,318**
[13] A1
[51] **Int.Cl. F16M 13/02 (2006.01) A47G 29/08 (2006.01) A47G 29/093 (2006.01) A47K 1/08 (2006.01) A47K 5/12 (2006.01)**
[25] EN
[54] **LOCKABLE RECEPTACLE HOLDER**
[54] **SUPPORT DE RECIPIENT VERROUILLABLE**
[72] RUNIUS, CHRISTIAN, SE
[71] RUNIUS DESIGN AB, SE
[85] 2022-06-28
[86] 2021-03-02 (PCT/SE2021/050170)
[87] (WO2021/177878)
[30] SE (2050234-0) 2020-03-02

[21] **3,166,319**
[13] A1
[51] **Int.Cl. H02P 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING GRID-FORMING CONTROL FOR A DOUBLE-FED WIND TURBINE GENERATOR**
[54] **SYSTEME ET PROCEDE PERMETTANT DE FOURNIR UNE COMMANDE DE FORMATION DE RESEAU POUR UN GENERATEUR EOLIEN A DOUBLE ALIMENTATION**
[72] LARSEN, EINAR VAUGHN, US
[72] HOWARD, DUSTIN, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2022-06-28
[86] 2020-01-16 (PCT/US2020/013787)
[87] (WO2021/145877)

[21] **3,166,320**
[13] A1
[51] **Int.Cl. G06F 21/54 (2013.01) G06F 21/57 (2013.01)**
[25] EN
[54] **PROTECTING COMMERCIAL OFF-THE-SHELF PROGRAM BINARIES FROM PIRACY USING HARDWARE ENCLAVES**
[54] **PROTECTION DES BINAIRES DE PROGRAMME COMMERCIAL STANDARD CONTRE LE PIRATAGE A L'AIDE D'ENCLAVES MATERIELLES**
[72] GE, XINYANG, US
[72] CUI, WEIDONG, US
[72] NIU, BEN, US
[72] CHEN, LING TONY, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2022-06-28
[86] 2020-11-17 (PCT/US2020/060811)
[87] (WO2021/137960)
[30] US (16/734,197) 2020-01-03

[21] **3,166,321**
[13] A1
[51] **Int.Cl. G06F 9/52 (2006.01) G06F 12/02 (2006.01)**
[25] EN
[54] **LOCK-FREE READING OF UNITARY VALUE SETS**
[54] **LECTURE SANS VERROUS D'ENSEMBLES DE VALEURS UNITAIRES**
[72] STEPHENS, MAONI ZHANG, US
[72] DUSSUD, PATRICK HENRI, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2022-06-28
[86] 2020-11-17 (PCT/US2020/060813)
[87] (WO2021/141673)
[30] US (16/735,418) 2020-01-06

[21] **3,166,355**
[13] A1
[51] **Int.Cl. H01M 10/04 (2006.01) H01M 10/0525 (2010.01)**
[25] EN
[54] **BATTERIES PROVIDING HIGH POWER AND HIGH ENERGY DENSITY**
[54] **BATTERIES FOURNISSANT UNE PUISSANCE ET UNE DENSITE D'ENERGIE ELEVEES**
[72] FAUTEUX, DENIS GASTON, CN
[72] SUBRAMANIAN, ADITYA, CN
[71] TECHTRONIC CORDLESS GP, US
[85] 2022-06-28
[86] 2020-12-16 (PCT/IB2020/062057)
[87] (WO2021/140388)
[30] US (16/739,823) 2020-01-10

[21] **3,166,357**
[13] A1
[51] **Int.Cl. A61K 33/04 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **INSTRUCTIONS FOR COMPOSITION AND SENSITIVITY**
[54] **INSTRUCTIONS POUR COMPOSITION ET SENSIBILITE**
[72] ALSTER, YAIR, IL
[72] BOSWORTH, CHARLES, IL
[72] EPSTEIN-BARASH, HILA, IL
[72] RAFAELI, OMER, IL
[71] AZURA OPHTHALMICS LTD., IL
[85] 2022-06-28
[86] 2021-01-07 (PCT/IB2021/000005)
[87] (WO2021/140417)
[30] US (62/959,738) 2020-01-10

[21] **3,166,363**
[13] A1
[51] **Int.Cl. G06K 9/00 (2022.01) G06Q 30/06 (2012.01) G06K 9/62 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FAST CHECKOUT USING A PORTABLE COMPUTERIZED DEVICE**
[54] **SYSTEME ET PROCEDE DE VERIFICATION RAPIDE A L'AIDE D'UN DISPOSITIF INFORMATISE PORTABLE**
[72] KRAVITZ, ERAN MENAHEM, IL
[72] GOLAN, RAZ AHARON, IL
[71] SHOPIC TECHNOLOGIES LTD., IL
[85] 2022-06-28
[86] 2020-12-29 (PCT/IL2020/051344)
[87] (WO2021/137219)
[30] US (62/954,722) 2019-12-30

[21] **3,166,366**
[13] A1
[51] **Int.Cl. B60L 53/16 (2019.01) A61G 5/00 (2006.01)**
[25] EN
[54] **CONNECTION DEVICE FOR THE CHARGING OF ELECTRIC WHEELCHAIRS**
[54] **DISPOSITIF DE RACCORDEMENT POUR LA CHARGE DE FAUTEUILS ROULANTS**
[72] PACE, ALESSIO, IT
[72] RAMBALDI, LORENZO, IT
[72] VALENTINETTI, TIZIANO, IT
[71] ENEL X S.R.L., IT
[85] 2022-06-28
[86] 2019-12-31 (PCT/IT2019/000124)
[87] (WO2021/137261)

[21] **3,166,370**
[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 47/54 (2017.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61P 21/00 (2006.01) C07H 21/00 (2006.01) C07H 21/02 (2006.01) C07H 21/04 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR THE TREATMENT OF DUCHENNE MUSCULAR DYSTROPHY**
[54] **COMPOSES ET PROCEDES POUR LE TRAITEMENT DE LA DYSTROPHIE MUSCULAIRE DE DUCHENNE**
[72] SUCKOW, ARTHUR T., US
[72] ALLERSON, CHARLES, US
[72] TUCCI, FABIO C., US
[71] DTX PHARMA, INC., US
[85] 2022-06-28
[86] 2020-11-25 (PCT/US2020/062333)
[87] (WO2021/108640)
[30] US (62/941,549) 2019-11-27

[21] **3,166,376**
[13] A1
[51] **Int.Cl. F04D 33/00 (2006.01) F04D 25/08 (2006.01) F04D 29/38 (2006.01) H02K 7/14 (2006.01) H02K 33/02 (2006.01) H02K 33/18 (2006.01)**
[25] EN
[54] **LINEAR FAN INCLUDING WIRE SPRINGS**
[54] **VENTILATEUR LINEAIRE COMPRENANT DES RESSORTS A FIL**
[72] LUCAS, TIMOTHY S., US
[71] PERPETUA, INC., US
[85] 2022-06-28
[86] 2020-12-02 (PCT/US2020/062856)
[87] (WO2021/113336)
[30] US (62/943,604) 2019-12-04

[21] **3,166,381**
[13] A1
[51] **Int.Cl. G10L 15/02 (2006.01) G10L 15/16 (2006.01)**
[25] EN
[54] **ADAPTIVE FRAME BATCHING TO REDUCE SPEECH RECOGNITION LATENCY**
[54] **ETABLISSEMENT DE LOTS DE TRAMES ADAPTATF POUR REDUIRE LA LATENCE DE RECONNAISSANCE DE LA PAROLE**
[72] KHALIL, HOSAM A., US
[72] STOIMENOV, EMILIAN Y., US
[72] GONG, YIFAN, US
[72] LIU, CHAOJUN, US
[72] BASOGLU, CHRISTOPHER H., US
[72] AGARWAL, AMIT K., US
[72] PARIHAR, NAVEEN, US
[72] PATHAK, SAYAN, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2022-06-28
[86] 2020-12-15 (PCT/US2020/065034)
[87] (WO2021/146009)
[30] US (62/960,240) 2020-01-13
[30] US (16/773,205) 2020-01-27

[21] **3,166,386**
[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01)**
[25] EN
[54] **TREATMENT OF CANCER WITH CDK12/13 INHIBITORS**
[54] **TRAITEMENT DU CANCER AVEC DES INHIBITEURS DE CDK12/13**
[72] MURPHY, ERIC A., US
[72] TYHONAS, JOHN, US
[72] TIMPLE, NOELITO, US
[72] KANOUNI, TOUFIKE, US
[72] ARNOLD, LEE D., US
[72] GARDINER, ELISABETH, US
[72] MARTIN, ERIC, US
[71] KINNATE BIOPHARMA INC., US
[85] 2022-06-28
[86] 2020-12-23 (PCT/US2020/066967)
[87] (WO2021/138215)
[30] US (62/956,114) 2019-12-31

[21] **3,166,405**
[13] A1
[51] **Int.Cl. A61B 17/128 (2006.01)**
[25] EN
[54] **TWO-PIECE CLIP APPLIER JAW ASSEMBLY AND METHOD OF MANUFACTURE**
[54] **ENSEMBLE MACHOIRE D'APPLICATEUR D'AGRAFE EN DEUX PIECES ET PROCEDE DE FABRICATION**
[72] SANDSTROM, ALEX, US
[72] HOBBS, MATT, US
[72] GYUGYI, STEPHEN, US
[72] KINGSBURY, CHASE, US
[72] IRWIN, JOHN, US
[72] ELLIOTT, PATRICK, US
[72] LEROUX, MARK, US
[72] ARAYA, MATIAS, US
[72] SHOOK, MIKE, US
[71] APPLIED MEDICAL RESOURCES CORPORATION, US
[85] 2022-06-29
[86] 2020-12-30 (PCT/US2020/067573)
[87] (WO2021/138496)
[30] US (62/955,942) 2019-12-31

[21] **3,166,410**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER WITH NONFUCOSYLATED ANTI-CD70 ANTIBODIES**
[54] **METHODES DE TRAITEMENT DU CANCER A L'AIDE D'ANTICORPS ANTI-CD70 NON FUCOSYLES**
[72] GARDAI, SHYRA, US
[72] HO, PHOENIX, US
[71] SEAGEN INC., US
[85] 2022-06-28
[86] 2020-12-28 (PCT/US2020/067173)
[87] (WO2021/138264)
[30] US (62/954,904) 2019-12-30
[30] US (63/011,906) 2020-04-17

[21] **3,166,412**
[13] A1
[51] **Int.Cl. C07C 273/02 (2006.01) B01D 5/00 (2006.01) B01D 47/06 (2006.01) B01D 53/58 (2006.01) B01D 53/73 (2006.01) C07C 273/16 (2006.01)**
[25] EN
[54] **UREA PRODUCTION WITH MULTIPLE EVAPORATORS**
[54] **PRODUCTION D'UREE AVEC DE MULTIPLES EVAPORATEURS**
[72] PATIL, RAHUL, NL
[72] SIMONS, PETRUS ANNA MARIA ROBERTUS, NL
[72] MANIC, BRANISLAV, NL
[71] STAMICARBON B.V., NL
[85] 2022-06-29
[86] 2020-12-30 (PCT/NL2020/050826)
[87] (WO2021/137701)
[30] EP (19220084.8) 2019-12-30

[21] **3,166,416**
[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 10/08 (2012.01)**
[25] EN
[54] **ONLINE TRANSACTION VERIFICATION BASED ON MERCHANT-INDEPENDENT USER GEOLOCATION**
[54] **VERIFICATION DE TRANSACTION EN LIGNE BASEE SUR LA GEOLOCALISATION DE L'UTILISATEUR INDEPENDANTE DU COMMERCANT**
[72] EDWARDS, JOSHUA, US
[72] MOSSOBA, MICHAEL, US
[72] BENKREIRA, ABDELKADER, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-06-28
[86] 2020-12-28 (PCT/US2020/067207)
[87] (WO2021/138276)
[30] US (16/729,820) 2019-12-30
[30] US (17/081,535) 2020-10-27

[21] **3,166,422**
[13] A1
[51] **Int.Cl. C07K 4/00 (2006.01) A61K 38/03 (2006.01)**
[25] EN
[54] **LOOPED PROTEINS COMPRISING CELL PENETRATING PEPTIDES**
[54] **PROTEINES EN BOUCLE COMPRENANT DES PEPTIDES DE PENETRATION CELLULAIRE**
[72] PEI, DEHUA, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2022-06-28
[86] 2020-12-30 (PCT/US2020/067427)
[87] (WO2021/138397)
[30] US (62/955,009) 2019-12-30

[21] **3,166,427**
[13] A1
[51] **Int.Cl. G06F 7/00 (2006.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEM FOR DYNAMICALLY GENERATING CONTENT FOR PROFESSIONAL REPORTS BASED ON CONTINUOUSLY UPDATED HISTORICAL DATA**
[54] **SYSTEME DE GENERATION DYNAMIQUE DE CONTENU POUR DES RAPPORTS PROFESSIONNELS SUR LA BASE DE DONNEES HISTORIQUES MISES A JOUR EN CONTINU**
[72] MARSHALL, EVAN JAMES, US
[72] MARSHALL, JOHN PAUL, US
[72] MARSHALL, MATTHEW FREDERIC, US
[71] TECH FOOTING, LLC, US
[85] 2022-06-28
[86] 2020-12-30 (PCT/US2020/067477)
[87] (WO2021/138429)
[30] US (16/732,134) 2019-12-31

[21] **3,166,431**
[13] A1
[51] **Int.Cl. F21V 8/00 (2006.01) F21K 9/60 (2016.01) F21V 5/02 (2006.01) G01N 35/00 (2006.01) G02B 6/00 (2006.01) F21V 15/01 (2006.01)**
[25] EN
[54] **DEVICE HOUSING WITH LIGHTING**
[54] **BOITIER DE DISPOSITIF A ECLAIRAGE**
[72] ZIMMERMAN, CECILIA, US
[72] VANDERSARL, JULES, US
[71] MESO SCALE TECHNOLOGIES, LLC., US
[85] 2022-06-28
[86] 2020-12-31 (PCT/US2020/067604)
[87] (WO2021/138521)
[30] US (62/956,983) 2020-01-03

[21] **3,166,432**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 3/00 (2006.01) A61B 3/113 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR NEUROLOGICAL SCREENING**
[54] **PROCEDE ET DISPOSITIF D'ETUDE NEUROLOGIQUE**
[72] GOLDSTEIN, LEE, US
[72] SHAKA, JUSTIN, US
[72] WINSOR, ROBERT, US
[72] ESSER, JAMES, US
[72] PIXTON, SHANE, US
[71] REBISCAN, INC., US
[85] 2022-06-29
[86] 2020-12-22 (PCT/US2020/066722)
[87] (WO2021/138167)
[30] US (62/954,878) 2019-12-30

[21] **3,166,435**
[13] A1
[51] **Int.Cl. A61B 5/08 (2006.01) A61B 5/083 (2006.01) A61B 5/097 (2006.01) G01N 33/00 (2006.01) G01N 33/497 (2006.01)**
[25] EN
[54] **BREATH SENSOR CALIBRATION METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL D'ETALONNAGE DE CAPTEUR D'HALEINE**
[72] JAMESON, ALLEN, US
[72] HEROLD, BRIAN, US
[72] TRIDAS, ERIC, US
[71] MCNEIL AB, SE
[85] 2022-06-29
[86] 2020-12-23 (PCT/US2020/066837)
[87] (WO2021/138195)
[30] US (62/955,558) 2019-12-31

[21] **3,166,437**
[13] A1
[51] **Int.Cl. F23N 5/20 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING HVAC SYSTEMS**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE SYSTEMES CVC**
[72] THOREN, DENNIS, US
[72] JIA, TAO, US
[72] CHEN, JACKY, US
[72] DUBBERLY, HUGH, US
[71] DAIKIN MANUFACTURING COMPANY, L.P., US
[85] 2022-06-28
[86] 2020-12-31 (PCT/US2020/067695)
[87] (WO2021/138579)
[30] US (62/956,214) 2019-12-31

[21] **3,166,438**
[13] A1
[51] **Int.Cl. A61B 5/08 (2006.01) A61B 5/00 (2006.01) A61B 5/087 (2006.01) A61B 5/091 (2006.01) A61B 5/097 (2006.01) G01N 33/497 (2006.01)**
[25] EN
[54] **BREATH SENSOR MEASUREMENT METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL DE MESURE DE CAPTEUR D'HALEINE**
[72] JAMESON, ALLEN, US
[72] BALBIERZ, DANIEL, US
[72] TRIDAS, ERIC, US
[72] HEROLD, BRIAN, US
[72] UTLEY, DAVID S., US
[71] MCNEIL AB, SE
[85] 2022-06-29
[86] 2020-12-23 (PCT/US2020/066842)
[87] (WO2021/138197)
[30] US (62/955,561) 2019-12-31

[21] **3,166,439**
[13] A1
[51] **Int.Cl. G06F 16/27 (2019.01) G06Q 30/00 (2012.01) H04L 9/32 (2006.01)**
[25] EN
[54] **BLOCKCHAIN CYBERSECURITY SOLUTIONS**
[54] **SOLUTIONS DE CYBERSECURITE A CHAINE DE BLOCS**
[72] GOURISETTI, SIR NIKHIL GUPTA, US
[72] MYLREA, MICHAEL E., US
[72] JOHNSON, BEVERLY E., US
[72] ALLWARDT, CRAIG H., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2022-06-28
[86] 2020-12-31 (PCT/US2020/067715)
[87] (WO2021/138591)
[30] US (62/957,111) 2020-01-03
[30] US (16/926,605) 2020-07-10

[21] **3,166,443**
[13] A1
[51] **Int.Cl. C01B 32/182 (2017.01) C09D 11/037 (2014.01) B29C 64/165 (2017.01) C01B 32/19 (2017.01) C01B 32/196 (2017.01) C01B 32/198 (2017.01) C01B 32/225 (2017.01) B01J 13/00 (2006.01) D01D 5/06 (2006.01) G01N 33/32 (2006.01)**
[25] EN
[54] **WATER-REDISPERSIBLE GRAPHENE POWDER**
[54] **POUDRE DE GRAPHENE REDISPERSIBLE DANS L'EAU**
[72] TRAN, TUAN SANG, AU
[72] ROY CHOUDHURY, NAMITA, AU
[72] DUTTA, NABA, AU
[71] ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY, AU
[85] 2022-06-30
[86] 2020-11-27 (PCT/AU2020/051292)
[87] (WO2021/102523)
[30] AU (2019904516) 2019-11-29

[21] **3,166,446**
[13] A1
[51] **Int.Cl. G06N 3/02 (2006.01) G06Q 10/04 (2012.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PREDICTING POWER CONSUMPTION, DEVICE AND READIABLE STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE PREDICTION DE CONSOMMATION D'ENERGIE, DISPOSITIF ET SUPPORT DE STOCKAGE LISIBLE**
[72] CHENG, QI, CN
[71] ENVISION DIGITAL INTERNATIONAL PTE. LTD., SG
[71] SHANGHAI ENVISION DIGITAL CO., LTD., CN
[85] 2022-06-29
[86] 2020-12-23 (PCT/SG2020/050773)
[87] (WO2021/137759)
[30] CN (201911405459.9) 2019-12-31

[21] **3,166,452**
[13] A1
[51] **Int.Cl. G06F 1/16 (2006.01) A47B 21/04 (2006.01) A47B 21/06 (2006.01) G06F 1/18 (2006.01)**
[25] EN
[54] **COMPUTER DOCKING STATION**
[54] **STATION D'ACCUEIL D'ORDINATEUR**
[72] WONG, DAVID, US
[71] HUMANSCALE CORPORATION, US
[85] 2022-06-29
[86] 2020-01-02 (PCT/US2020/012087)
[87] (WO2021/137868)

[21] **3,166,456**
[13] A1
[51] **Int.Cl. C07H 15/04 (2006.01) A61K 31/7032 (2006.01) A61P 1/16 (2006.01) C07H 1/00 (2006.01)**
[25] EN
[54] **LIVER-TARGETING COMPOUND HAVING THYROID HORMONE RECEPTOR AGONIST CHARACTERISTICS AND PHARMACEUTICAL COMPOSITION THEREOF**
[54] **COMPOSE CIBLANT LE FOIE AYANT DES CARACTERISTIQUES AGONISTES DU RECEPTEUR DE L'HORMONE THYROIDIENNE ET COMPOSITION PHARMACEUTIQUE ASSOCIEE**
[72] CUI, KUNYUAN, CN
[72] WANG, SHENGJUN, CN
[72] DU, YANCHUN, CN
[71] KYLONOVA (XIAMEN) BIOPHARMA CO., LTD., CN
[85] 2022-06-29
[86] 2020-09-02 (PCT/CN2020/112941)
[87] (WO2021/135335)
[30] CN (201911407857.4) 2019-12-31

[21] **3,166,457**
[13] A1
[51] **Int.Cl. G01H 1/06 (2006.01) F03D 17/00 (2016.01) G06N 3/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INSPECTING WIND TURBINE BLADE, AND DEVICE AND STORAGE MEDIUM THEREOF**
[54] **PROCEDE ET APPAREIL D'INSPECTION DE PALE D'EOLIENNE, ET DISPOSITIF ET SUPPORT DE STOCKAGE ASSOCIES**
[72] CUI, WEIYU, CN
[72] WEI, SHU, CN
[72] ZHAO, QINGSHENG, CN
[72] YIN, ZHONGJI, CN
[72] AI, YONG, CN
[72] AO, DONG, CN
[72] WANG, ZHIMENG, CN
[71] ENVISION DIGITAL INTERNATIONAL PTE. LTD., SG
[71] SHANGHAI ENVISION DIGITAL CO., LTD., CN
[85] 2022-06-29
[86] 2020-12-28 (PCT/SG2020/050785)
[87] (WO2021/137760)
[30] CN (201911420554.6) 2019-12-31

[21] **3,166,459**
[13] A1
[51] **Int.Cl. C08K 5/1575 (2006.01)**
[25] EN
[54] **CLARIFYING AGENT, COMPOSITIONS COMPRISING SAME, AND METHODS OF MANUFACTURE THEREOF**
[54] **AGENT CLARIFIANT, COMPOSITIONS LE COMPRENANT ET LEURS PROCEDES DE FABRICATION**
[72] CHARLTON, JOHN ZACHARIAH, CA
[72] NGUON, OLIVER, NL
[72] VANESO, G.J., NL
[72] LEFAS, JOHN, NL
[71] INGENIA POLYMERS INTERNATIONAL S.A., NL
[85] 2022-06-30
[86] 2021-02-19 (PCT/EP2021/054216)
[87] (WO2021/165500)
[30] EP (20158627.8) 2020-02-20

[21] **3,166,462**
[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **BEVERAGE PREPARATION MACHINE WITH CAPSULE RECOGNITION**
[54] **MACHINE DE PREPARATION DE BOISSON A RECONNAISSANCE DE CAPSULE**
[72] GUYON, BERTRAND, FR
[72] RESTELLI, MARCO, CH
[72] LAGOUCHE, LAURENT, FR
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-06-30
[86] 2021-02-04 (PCT/EP2021/052605)
[87] (WO2021/156336)
[30] EP (20155755.0) 2020-02-05

[21] **3,166,464**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 31/352 (2006.01) A61K 47/32 (2006.01)**
[25] EN
[54] **COMPLEX OF 7-DEACETVL-FORSKOLIN AND PVP**
[54] **COMPLEXE DE 7-DESACETYL-FORSKOLINE ET DE PVP**
[72] KUBIN, ANDREAS, AT
[71] SCIPHARM S.A R.L., LU
[85] 2022-06-30
[86] 2021-01-22 (PCT/EP2021/051499)
[87] (WO2021/148633)
[30] EP (20153429.4) 2020-01-23

[21] **3,166,467**
[13] A1
[51] **Int.Cl. E04B 9/04 (2006.01) E04B 9/24 (2006.01) E04B 9/28 (2006.01) E04C 2/00 (2006.01)**
[25] EN
[54] **SUSPENDED CEILING SYSTEM**
[54] **SYSTEME DE PLAFOND SUSPENDU**
[72] NILSSON, THOMAS, SE
[71] SAINT-GOBAIN ECOPHON AB, SE
[85] 2022-06-30
[86] 2021-01-19 (PCT/EP2021/051055)
[87] (WO2021/151726)
[30] EP (20153845.1) 2020-01-27

[21] **3,166,477**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UPLINK TRANSMISSION**
[54] **SYSTEMES ET PROCEDES DE TRANSMISSION EN LIAISON MONTANTE**
[72] PAN, YU, CN
[72] JIANG, CHUANGXIN, CN
[72] LU, ZHAOHUA, CN
[72] YAO, KE, CN
[72] ZHANG, YANG, CN
[72] ZHANG, SHUJUAN, CN
[72] HE, ZHEN, CN
[71] ZTE CORPORATION, CN
[85] 2022-06-29
[86] 2019-12-31 (PCT/CN2019/130329)
[87] (WO2021/093126)

[21] **3,166,492**
[13] A1
[51] **Int.Cl. B67D 1/00 (2006.01) B67D 1/08 (2006.01)**
[25] EN
[54] **SYRINGE CARTRIDGE ASSEMBLY FOR A BEVERAGE DISPENSING SYSTEM**
[54] **ENSEMBLE CARTOUCHE DE SERINGUE POUR SYSTEME DE DISTRIBUTION DE BOISSON**
[72] TAMANNA, SANJIDA, US
[72] WELCH, DICK P., US
[72] STELWAGON, ZACHARY IAN, US
[71] THE COCA-COLA COMPANY, US
[85] 2022-06-30
[86] 2021-01-22 (PCT/US2021/014547)
[87] (WO2021/162842)
[30] US (62/975,830) 2020-02-13

[21] **3,166,493**
[13] A1
[51] **Int.Cl. A61F 2/00 (2006.01) A61F 5/48 (2006.01)**
[25] EN
[54] **STRESS URINARY INCONTINENCE DEVICE**
[54] **DISPOSITIF POUR L'INCONTINENCE URINAIRE DE STRESS**
[72] WARREN, REMY, CA
[71] REMY - INTERNATIONAL CONSUMER PRODUCTS INC., CA
[85] 2022-06-30
[86] 2021-01-08 (PCT/CA2021/050013)
[87] (WO2021/138744)
[30] US (62/958,511) 2020-01-08

[21] **3,166,494**
[13] A1
[51] **Int.Cl. C07K 14/62 (2006.01) A61K 38/28 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **INSULIN DERIVATIVE**
[54] **DERIVE D'INSULINE**
[72] GAN, ZHONGRU, CN
[72] CHEN, WEI, CN
[72] ZHANG, YINING, CN
[72] XUE, FANGKAI, CN
[72] CAI, LINGYU, CN
[72] NIU, JIANGHONG, CN
[72] MU, BIN, CN
[71] GAN & LEE PHARMACEUTICALS CO., LTD., CN
[85] 2022-06-30
[86] 2020-12-29 (PCT/CN2020/141023)
[87] (WO2021/136296)
[30] CN (201911398378.0) 2019-12-30
[30] CN (202011057926.6) 2020-09-29

[21] **3,166,495**
[13] A1
[51] **Int.Cl. C07K 14/62 (2006.01) A61K 38/28 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **INSULIN DERIVATIVE**
[54] **DERIVE D'INSULINE**
[72] GAN, ZHONGRU, CN
[72] CHEN, WEI, CN
[72] ZHANG, YINING, CN
[72] XUE, FANGKAI, CN
[72] CAI, LINGYU, CN
[72] NIU, JIANGHONG, CN
[72] MU, BIN, CN
[71] GAN & LEE PHARMACEUTICALS CO., LTD., CN
[85] 2022-06-30
[86] 2020-12-29 (PCT/CN2020/141018)
[87] (WO2021/136293)
[30] CN (201911398378.0) 2019-12-30
[30] CN (202011057926.6) 2020-09-29

[21] **3,166,496**
[13] A1
[51] **Int.Cl. C07K 14/605 (2006.01) A61K 38/26 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **LONG-ACTING GLP-1 COMPOUND**
[54] **COMPOSE GLP-1 A ACTION PROLONGEE**
[72] GAN, ZHONGRU, CN
[72] CHEN, WEI, CN
[72] ZHANG, YINING, CN
[72] XUE, FANGKAI, CN
[72] CAI, LINGYU, CN
[72] NIU, JIANGHONG, CN
[72] MU, BIN, CN
[71] GAN & LEE PHARMACEUTICALS CO., LTD., CN
[85] 2022-06-30
[86] 2020-12-29 (PCT/CN2020/141057)
[87] (WO2021/136303)
[30] CN (201911397405.2) 2019-12-30
[30] CN (202011053306.5) 2020-09-29

[21] **3,166,497**
[13] A1
[51] **Int.Cl. A61M 25/10 (2013.01) A61B 10/00 (2006.01)**
[25] EN
[54] **CATHETER AND METHOD FOR ISOLATING A REGION IN A HOLLOW ORGAN OF A MAMMAL, AND SYSTEM BASED ON THE CATHETER, AND USE OF THE CATHETER**
[54] **CATHETER ET PROCEDE POUR ISOLER UNE REGION DANS UN ORGANE CREUX D'UN MAMMIFERE, SYSTEME A CATHETER ET UTILISATION DU CATHETER**
[72] KASHINTSEV, ALEKSEI ARIEVICH, RU
[72] PROUTSKI, VITALY YURIEVICH, RU
[72] ANISIMOV, SERGEY VLADIMIROVICH, RU
[72] GRANSTREM, OLEG KONSTANTINOVICH, RU
[71] PANDX LTD, GB
[85] 2022-06-30
[86] 2020-12-28 (PCT/RU2020/050399)
[87] (WO2021/137739)
[30] RU (2020100187) 2019-12-31
[30] RU (2020140524) 2020-12-09

[21] **3,166,498**
[13] A1
[51] **Int.Cl. C07K 16/30 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **ANTI-CLAUDIN 18.2 ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-CLAUDINE 18.2 ET SON UTILISATION**
[72] LI, ZONGHAI, CN
[72] WANG, PENG, CN
[72] LIU, ZHEN, CN
[72] WANG, HUAMAO, CN
[71] CRAGE MEDICAL CO., LIMITED, CN
[85] 2022-06-30
[86] 2021-01-04 (PCT/CN2021/070139)
[87] (WO2021/136550)
[30] CN (202010006872.4) 2020-01-03

[21] **3,166,501**
[13] A1
[51] **Int.Cl. E04C 3/293 (2006.01) E04B 5/29 (2006.01) E04B 5/43 (2006.01) E04C 3/29 (2006.01) E04C 3/294 (2006.01) E04C 5/065 (2006.01)**
[25] EN
[54] **SERRATED BEAM**
[54] **POUTRE DENTELEE**
[72] MCMANUS, PATRICK, US
[71] SIMPSON STRONG-TIE COMPANY INC, US
[85] 2022-07-05
[86] 2021-01-15 (PCT/US2021/070047)
[87] (WO2021/146758)
[30] US (62/962,008) 2020-01-16
[30] US (15/929,292) 2020-04-23
[30] US (16/948,580) 2020-09-24
[30] US (63/199,592) 2021-01-11

[21] **3,166,502**
[13] A1
[51] **Int.Cl. B29B 17/02 (2006.01) B29B 17/04 (2006.01)**
[25] EN
[54] **METHOD FOR THE SELECTION AND SEPARATION OF POLYMERS ORIGINATING FROM URBAN AND/OR INDUSTRIAL PLASTIC WASTE**
[54] **PROCEDE DE SELECTION ET DE SEPARATION DE POLYMERES PROVENANT DE DECHETS PLASTIQUES URBAINS ET/OU INDUSTRIELS**
[72] SCLAFANI, PAOLA, IT
[72] MICHELETTI, FRANCESCO, IT
[72] RIZZO, MARCO, IT
[72] MOLINARI, LUIGI, IT
[71] MYREPLAST S.R.L., IT
[85] 2022-07-06
[86] 2021-01-05 (PCT/EP2021/050054)
[87] (WO2021/140087)
[30] IT (102020000000100) 2020-01-07

[21] **3,166,503**
[13] A1
[51] **Int.Cl. E02F 9/20 (2006.01) E02F 9/26 (2006.01) H04Q 9/00 (2006.01)**
[25] EN
[54] **REMOTE OPERATION SYSTEM FOR WORK MACHINE**
[54] **SYSTEME D'ACTIONNEMENT A DISTANCE POUR ENGIN DE CHANTIER**
[72] MINAGAWA, MASANORI, JP
[71] KOMATSU LTD., JP
[85] 2022-06-30
[86] 2021-01-25 (PCT/JP2021/002449)
[87] (WO2021/166559)
[30] JP (2020-028617) 2020-02-21

[21] **3,166,505**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTIBODY MOLECULES TO C5AR1 AND USES THEREOF**
[54] **MOLECULES D'ANTICORPS ANTI-C5AR1 ET LEURS UTILISATIONS**
[72] VISWANATHAN, KARTHIK, US
[72] BOOTH, BRIAN, US
[72] RAMAKRISHNAN, BOOPATHY, US
[72] WOLLACOTT, ANDREW, US
[72] SHRIVER, ZACHARY, US
[72] BABCOK, GREGORY, US
[71] VISTERRA, INC., US
[85] 2022-06-29
[86] 2021-01-13 (PCT/US2021/013284)
[87] (WO2021/146320)
[30] US (62/960,544) 2020-01-13

[21] **3,166,506**
[13] A1
[51] **Int.Cl. B01J 21/08 (2006.01) B01J 21/10 (2006.01) B01J 23/14 (2006.01) B01J 23/30 (2006.01) B01J 29/035 (2006.01) B01J 29/16 (2006.01) B01J 35/00 (2006.01) C07C 6/04 (2006.01)**
[25] EN
[54] **STABLE, HIGH SELECTIVITY CATALYSTS AND CATALYST SYSTEMS, AND PROCESSES FOR THEIR USE**
[54] **CATALYSEURS STABLES, A SELECTIVITE ELEVEE ET SYSTEMES CATALYSEURS, ET LEURS PROCESSUS D'UTILISATION**
[72] SURIYE, KONGKIAT, TH
[72] WANNAKAO, SIPPAKORN, TH
[72] JAREEWATCHARA, WUTTITHEP, TH
[71] SCG CHEMICALS PUBLIC COMPANY LIMITED, TH
[85] 2022-07-05
[86] 2021-01-28 (PCT/IB2021/050665)
[87] (WO2021/152496)
[30] EP (20154776.7) 2020-01-31

[21] **3,166,508**
[13] A1
[51] **Int.Cl. A61F 2/54 (2006.01) A61F 2/58 (2006.01) A61F 5/01 (2006.01) A61F 5/02 (2006.01) A61H 1/02 (2006.01) B25J 9/00 (2006.01) B25J 9/02 (2006.01)**
[25] EN
[54] **HYBRID SPRING AND MASS COUNTERBALANCING ORTHOTIC**
[54] **ORTHESE D'EQUILIBRAGE DE MASSE ET DE RESSORT HYBRIDE**
[72] ORESCHNICK, MARK, US
[72] KRUMHOLZ, ELI, US
[72] LUNSTROM, JULIE, US
[72] PERSAUD, SHAWNA, US
[72] CONELY, ANGIE, US
[71] ABILITECH MEDICAL, INC., US
[85] 2022-06-29
[86] 2021-01-29 (PCT/US2021/015604)
[87] (WO2021/155079)
[30] US (62/967,927) 2020-01-30

[21] **3,166,509**
[13] A1
[51] **Int.Cl. A61K 38/20 (2006.01) A61K 38/00 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) A61P 37/02 (2006.01) C07K 14/52 (2006.01)**
[25] EN
[54] **BIASED IL2 MUTEINS METHODS AND COMPOSITIONS**
[54] **METHODES ET COMPOSITIONS DE MUTEINES D'IL2 BIAISEES**
[72] EMMERICH, JAN, US
[72] KAUDER, STEVE, US
[72] MCCAULEY, SCOTT ALAN, US
[72] OFT, MARTIN, US
[71] SYNTHEKINE, INC., US
[85] 2022-06-30
[86] 2021-01-14 (PCT/US2021/013456)
[87] (WO2021/146436)
[30] US (62/961,141) 2020-01-14
[30] US (63/136,599) 2021-01-12

[21] **3,166,510**
[13] A1
[51] **Int.Cl. G06F 21/42 (2013.01) G06F 21/44 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **SHARING ENCRYPTED ITEMS WITH PARTICIPANTS VERIFICATION**
[54] **PARTAGE D'ARTICLES CHIFFRES AVEC VERIFICATION DE PARTICIPANTS**
[72] PUZERIS, EIMANTAS, LT
[72] VALKAITIS, MINDAUGAS, LT
[71] 360 IT, UAB, LT
[85] 2022-07-05
[86] 2021-01-11 (PCT/IB2021/050159)
[87] (WO2021/144677)
[30] US (16/745,334) 2020-01-16

[21] **3,166,511**
[13] A1
[51] **Int.Cl. A61K 31/16 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COGNITIVE DISORDER PREVENTION AND THERAPY**
[54] **PREVENTION ET TRAITEMENT DE TROUBLES COGNITIFS**
[72] BUNTINX, ERIK, BE
[71] ANEUROTECH IP BV, BE
[85] 2022-06-30
[86] 2021-01-05 (PCT/EP2021/050091)
[87] (WO2021/140103)
[30] EP (PCT/EP2020/050130) 2020-01-06

[21] **3,166,512**
[13] A1
[51] **Int.Cl. C07D 311/22 (2006.01) C07D 311/24 (2006.01) C07D 311/58 (2006.01) C07D 493/10 (2006.01)**
[25] EN
[54] **METHODS, PROCESSES AND INTERMEDIATES FOR PREPARING CHROMAN COMPOUNDS**
[54] **PROCEDES, PROCESSUS ET INTERMEDIAIRES POUR LA PREPARATION DE COMPOSES CHROMANE**
[72] KAMBOJ, RAJENDER KUMAR, IN
[72] PADIYA, KAMLESH JYOTINDRA, IN
[72] PRABAKARAN, KAMALAKANNAN, IN
[72] NAIK, KUMAR RAM, IN
[72] RAJESH, BHAVANI SHANKAR, IN
[72] RAJENDRA, GANPATI POWAR, IN
[72] SACHIN, SUBHASH INGAWALE, IN
[72] AMIT, DATTATRAY KARCHE, IN
[72] SANTOSHKUMAR, SHANKAR DANGE, IN
[72] SITARAM RAMBHAU, BARVE, IN
[71] LUPIN LIMITED, IN
[85] 2022-07-04
[86] 2021-01-17 (PCT/IN2021/050045)
[87] (WO2021/144814)
[30] IN (202021002110) 2020-01-17

[21] **3,166,513**
[13] A1
[51] **Int.Cl. E04G 11/38 (2006.01) E04G 1/14 (2006.01) E04G 11/48 (2006.01)**
[25] EN
[54] **ATTACHMENT OF A CEILING FORMWORK TO A SCAFFOLD**
[54] **FIXATION D'UN COFFRAGE DE PLAFOND A UN CADRE**
[72] SCHNEIDER, WERNER, DE
[72] RAUDIES, THOMAS, DE
[71] PERI SE, DE
[85] 2022-06-30
[86] 2021-01-08 (PCT/EP2021/050221)
[87] (WO2021/144198)
[30] DE (10 2020 200 318.1) 2020-01-13

[21] **3,166,514**
[13] A1
[51] **Int.Cl. B23D 47/02 (2006.01) B28D 1/04 (2006.01) F16C 29/04 (2006.01)**
[25] EN
[54] **ELECTRIC CUTTING MACHINE**
[54] **MACHINE DE COUPE ELECTRIQUE**
[72] SARMIENTO, MIGUEL ANGEL, ES
[72] IPATENKO, ALEK, ES
[71] GERMANS BOADA, S.A., ES
[85] 2022-06-30
[86] 2020-10-30 (PCT/ES2020/070669)
[87] (WO2022/090588)

[21] **3,166,515**
[13] A1
[51] **Int.Cl. G06N 3/04 (2006.01) G06N 3/08 (2006.01) G06N 5/04 (2006.01) G06N 3/063 (2006.01) G06N 5/02 (2006.01)**
[25] EN
[54] **DYNAMIC SUBSYSTEM OPERATIONAL SEQUENCING TO CONCURRENTLY CONTROL AND DISTRIBUTE SUPERVISED LEARNING PROCESSOR TRAINING AND PROVIDE PREDICTIVE RESPONSES TO INPUT DATA**
[54] **SEQUENCAGE OPERATIONNEL DE SOUS-SYSTEME DYNAMIQUE POUR COMMANDER ET DISTRIBUER SIMULTANEMENT UNE FORMATION DE PROCESSEUR D'APPRENTISSAGE SUPERVISE ET FOURNIR DES REPONSES PREDICTI VES A DES DONNEES D'ENTREE**
[72] LEVY, JOSHUA HOWARD, US
[72] LEGAULT, JACY MYLES, US
[72] CZECHOWSKI, KENNETH, US
[71] OJO LABS, INC., US
[85] 2022-07-07
[86] 2021-04-07 (PCT/US2021/026233)
[87] (WO2022/146467)
[30] US (63/133,559) 2021-01-04
[30] US (17/222,552) 2021-04-05

[21] **3,166,516**
[13] A1
[51] **Int.Cl. G01D 11/30 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR THE DETECTION OF PROPERTIES OF A PIPE**
[54] **APPAREIL ET PROCEDE DE DETECTION DES PROPRIETES D'UN TUYAU**
[72] ZULFIQUAR, SUHAYL, GB
[71] DATATECNICS CORPORATION LTD, GB
[85] 2022-06-30
[86] 2021-01-27 (PCT/GB2021/050189)
[87] (WO2021/152306)
[30] GB (2001136.7) 2020-01-27

[21] **3,166,517**
[13] A1
[51] **Int.Cl. A61B 10/00 (2006.01) A61B 5/055 (2006.01)**
[25] EN
[54] **DEOXYHEMOGLOBIN IN MAGNETIC RESONANCE IMAGING**
[54] **DESOXYHEMOGLOBINE EN IMAGERIE PAR RESONANCE MAGNETIQUE**
[72] CRAWLEY, ADRIAN P., CA
[72] DHARMAKUMAR, ROHAN, US
[72] DUFFIN, JAMES, CA
[72] FISHER, JOSEPH ARNOLD, CA
[72] MIKULIS, DAVID, CA
[72] POUBLANC, JULIEN, CA
[72] SHARIF, BEHZAD, US
[72] SOBCZYK, OLIVIA, CA
[72] ULUDAG, KAMIL, CA
[72] VU, CHAU, US
[72] WOOD, JOHN, US
[72] YANG, HSIN-JUNG, CA
[71] CRAWLEY, ADRIAN P., CA
[71] DHARMAKUMAR, ROHAN, US
[71] DUFFIN, JAMES, CA
[71] FISHER, JOSEPH ARNOLD, CA
[71] MIKULIS, DAVID, CA
[71] POUBLANC, JULIEN, CA
[71] SHARIF, BEHZAD, US
[71] SOBCZYK, OLIVIA, CA
[71] ULUDAG, KAMIL, CA
[71] WOOD, JOHN, US
[71] YANG, HSIN-JUNG, CA
[85] 2022-06-30
[86] 2020-12-31 (PCT/IB2020/062602)
[87] (WO2021/137196)
[30] US (62/955,998) 2019-12-31
[30] US (62/981,949) 2020-02-26
[30] US (63/025,403) 2020-05-15

[21] **3,166,518**
[13] A1
[51] **Int.Cl. A61K 31/706 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01)**
[25] FR
[54] **USE OF NMN FOR THE PREVENTION AND/OR TREATMENT OF JOINT PAIN INDUCED BY PHYSICAL ACTIVITY, AND CORRESPONDING COMPOSITIONS**
[54] **UTILISATION DE NMN POUR LA PREVENTION ET/OU LE TRAITEMENT D'UNE DOULEUR ARTICULAIRE INDUITE PAR L'ACTIVITE PHYSIQUE ET COMPOSITIONS CORRESPONDANTES**
[72] BERMOND, GUILLAUME, FR
[72] GARCON, LAURENT, FR
[71] NUVAMID SA, CH
[85] 2022-06-30
[86] 2021-01-12 (PCT/EP2021/050499)
[87] (WO2021/144274)
[30] FR (FR2000270) 2020-01-13

[21] **3,166,520**
[13] A1
[51] **Int.Cl. C08F 255/02 (2006.01) C09J 7/35 (2018.01) C08L 23/12 (2006.01) C08L 51/06 (2006.01) C08L 53/00 (2006.01) C09J 5/10 (2006.01) C09J 151/06 (2006.01) C09J 153/00 (2006.01)**
[25] EN
[54] **THERMOPLASTIC MOULDING MATERIALS WITH IMPROVED PROPERTY PROFILE**
[54] **MATIERES A MOULER THERMOPLASTIQUES AYANT UN PROFIL DE PROPRIETES AMELIORE**
[72] SCHWABE, JEREMIA, DE
[72] HAUCK, ERIK, DE
[72] KIRSCHVINK, FELIX, DE
[72] BACH, SEBASTIJAN, US
[72] STIEHL, GABRIELE, DE
[72] TURNER, ROBERT, US
[72] LINDNER, TORSTEN, DE
[72] NEU, CHRISTIAN, DE
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2022-06-30
[86] 2021-01-25 (PCT/EP2021/051625)
[87] (WO2021/151838)
[30] US (62/966,394) 2020-01-27
[30] US (63/138,855) 2021-01-19

[21] **3,166,521**
[13] A1
[51] **Int.Cl. B65B 7/28 (2006.01) B31B 50/81 (2017.01) B65B 51/14 (2006.01) B67B 3/02 (2006.01)**
[25] EN
[54] **AN EXPANSIBLE PRESS PLUNGER; AN ATTACHMENT UNIT AND A METHOD FOR ATTACHING A CONTAINER ELEMENT IN A CONTAINER BODY**
[54] **PISTON DE PRESSE EXTENSIBLE ; UNITE DE FIXATION ET PROCEDE DE FIXATION D'UN ELEMENT DE RECIPIENT DANS UN CORPS DE RECIPIENT**
[72] HAGELQVIST, PER, SE
[71] AR PACKAGING SYSTEMS AB, SE
[85] 2022-06-30
[86] 2020-12-14 (PCT/SE2020/051208)
[87] (WO2021/145809)
[30] SE (2050017-9) 2020-01-14

[21] **3,166,522**
[13] A1
[51] **Int.Cl. B60L 53/16 (2019.01)**
[25] EN
[54] **FAST CHARGING UNIVERSAL SERIAL BUS (USB TYPE-C) CONNECTOR AND BATTERY CHARGING SYSTEM FOR AN AUTO BATTERY CHARGER**
[54] **CONNECTEUR DE BUS SERIE UNIVERSEL A CHARGE RAPIDE (TYPE USB-C) ET SYSTEME DE CHARGE DE BATTERIE POUR CHARGEUR DE BATTERIE AUTOMATIQUE**
[72] UNDERHILL, DEREK MICHAEL, US
[72] IWERUNMOR, IFECHUKWUDE CHRISTIAN, US
[72] SITU, TOM, US
[72] MCBRIDE, JAMES P., US
[72] STANFIELD, JAMES RICHARD, US
[71] THE NOCO COMPANY, US
[85] 2022-06-30
[86] 2020-12-31 (PCT/US2020/067763)
[87] (WO2021/138623)
[30] US (29/719,409) 2020-01-03
[30] US (29/719,413) 2020-01-03
[30] US (62/956,892) 2020-01-03

[21] **3,166,523**
[13] A1
[51] **Int.Cl. F24D 12/00 (2006.01) E03C 1/01 (2006.01) E04B 2/00 (2006.01) E04C 2/52 (2006.01) E04F 13/074 (2006.01) F24F 3/06 (2006.01) F24F 13/02 (2006.01)**
[25] EN
[54] **FACADE PANEL CONDITIONING SYSTEM**
[54] **SYSTEME DE CONDITIONNEMENT DE PANNEAUX DE FACADE**
[72] GOLDSTEIN, DAVID J., US
[71] HYDRONIC SHELL TECHNOLOGIES LLC, US
[85] 2022-06-30
[86] 2021-02-01 (PCT/US2021/016026)
[87] (WO2021/162883)
[30] US (62/972,744) 2020-02-11

[21] **3,166,524**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/70 (2006.01)**
[25] EN
[54] **ORAL DISSOLVABLE FILM AND METHOD OF MANUFACTURING AND USING THE SAME**
[54] **FILM SOLUBLE ORAL ET SON PROCEDE DE FABRICATION ET D'UTILISATION**
[72] PATEL, BHAUMIK, US
[71] CURE PHARMACEUTICAL HOLDING CORP., US
[85] 2022-06-30
[86] 2020-12-31 (PCT/US2020/067677)
[87] (WO2021/138564)
[30] US (62/955,484) 2019-12-31

[21] **3,166,529**
[13] A1
[51] **Int.Cl. H04L 12/18 (2006.01) H04W 76/10 (2018.01)**
[25] EN
[54] **MULTICAST SERVICE IMPLEMENTATION METHOD AND APPARATUS, AND COMMUNICATION DEVICE**
[54] **METHODE ET APPAREIL DE MISE EN OEUVRE D'UN SERVICE MULTIDESTINATION ET DISPOSITIF DE COMMUNICATION**
[72] XIE, ZHENHUA, CN
[72] WANG, WEN, CN
[71] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2022-06-30
[86] 2020-12-31 (PCT/CN2020/141890)
[87] (WO2021/136467)
[30] CN (202010002085.2) 2020-01-02

[21] **3,166,530**
[13] A1
[51] **Int.Cl. H04N 19/30 (2014.01)**
[25] EN
[54] **ENCODER, DECODER AND CORRESPONDING METHODS AND APPARATUS**
[54] **CODEUR, DECODEUR ET PROCEDES ET DISPOSITIFS CORRESPONDANTS**
[72] MA, XIANG, CN
[72] YANG, HAITAO, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-06-30
[86] 2020-12-31 (PCT/CN2020/142501)
[87] (WO2021/136533)
[30] CN (PCT/CN2019/130804) 2019-12-31
[30] CN (PCT/CN2020/070153) 2020-01-02

[21] **3,166,533**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CD73 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CD73 ET LEURS UTILISATIONS**
[72] NASTRI, HORACIO G., US
[72] STEWART, SHAUN M., US
[72] ALMAGRO, JUAN CARLOS, US
[72] ZHOU, JING, US
[72] BUONPANE, REBECCA A., US
[71] INCYTE CORPORATION, US
[85] 2022-06-30
[86] 2020-12-30 (PCT/US2020/067533)
[87] (WO2021/138467)
[30] US (62/956,847) 2020-01-03

[21] **3,166,536**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07D 401/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **CD73 INHIBITOR AND A2A/A2B ADENOSINE RECEPTOR INHIBITOR COMBINATION THERAPY**
[54] **POLYTHERAPIE A BASE D'UN INHIBITEUR DE CD73 ET D'INHIBITEURS DU RECEPTEUR DE L'ADENOSINE A2A/A2B**
[72] NASTRI, HORACIO G., US
[72] STEWART, SHAUN M., US
[72] ALMAGRO, JUAN CARLOS, US
[72] ZHOU, JING, US
[72] BUONPANE, REBECCA A., US
[72] WANG, HUI, US
[72] CHEN, YINGNAN, US
[72] WANG, XIAOZHAO, US
[72] CARLSEN, PETER NIELS, US
[72] LI, YONG, US
[72] QI, CHAO, US
[72] WU, LIANGXING, US
[72] YAO, WENQING, US
[72] ZHU, WENYU, US
[72] HUANG, TAISHENG, US
[71] INCYTE CORPORATION, US
[85] 2022-06-30
[86] 2020-12-30 (PCT/US2020/067576)
[87] (WO2021/138498)
[30] US (62/956,840) 2020-01-03

[21] **3,166,540**
[13] A1
[51] **Int.Cl. H04N 19/157 (2014.01) H04N 19/174 (2014.01) H04N 19/176 (2014.01) H04N 19/96 (2014.01)**
[25] EN
[54] **IMAGE ENCODING/DECODING METHOD AND APPARATUS FOR PERFORMING PREDICTION ON BASIS OF RECONFIGURED PREDICTION MODE TYPE OF LEAF NODE, AND BITSTREAM TRANSMISSION METHOD**
[54] **PROCEDE ET APPAREIL DE CODAGE/DECODAGE D'IMAGE EN VUE DE LA REALISATION D'UNE PREDICTION SUR LA BASE D'UN TYPE DE MODE DE PREDICTION RECONFIGURE D'UN N□UD TERMINAL, ET PROCEDE DE TRANSMISSION DE FLUX BINAIRE**
[72] JANG, HYEONG MOON, KR
[72] NAM, JUNG HAK, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-06-30
[86] 2020-12-31 (PCT/KR2020/019287)
[87] (WO2021/137577)
[30] US (62/956,093) 2019-12-31
[30] US (62/959,943) 2020-01-11
[30] US (62/980,442) 2020-02-24

[21] **3,166,542**
[13] A1
[51] **Int.Cl. H04N 19/136 (2014.01) H04N 19/174 (2014.01) H04N 19/30 (2014.01) H04N 19/44 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **IMAGE DECODING METHOD AND APPARATUS FOR CODING IMAGE INFORMATION INCLUDING PICTURE HEADER**
[54] **PROCEDE ET APPAREIL DE DECODAGE D'IMAGE POUR CODER DES INFORMATIONS D'IMAGE COMPRENANT UN EN-TETE D'IMAGE**
[72] HENDRY, HENDRY, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-06-30
[86] 2020-12-29 (PCT/KR2020/019319)
[87] (WO2021/137588)
[30] US (62/956,634) 2020-01-02

[21] **3,166,546**
[13] A1
[51] **Int.Cl. F41G 1/30 (2006.01) F41G 1/14 (2006.01) F41G 1/34 (2006.01) G02B 23/10 (2006.01)**
[25] EN
[54] **FIREARM OPTICAL SIGHT, SYSTEM AND METHOD**
[54] **VISEUR OPTIQUE D'ARME A FEU, SYSTEME ET PROCEDE**
[72] MIKROULIS, DIMITRI, US
[71] MIKROULIS, DIMITRI, US
[85] 2022-06-30
[86] 2020-12-15 (PCT/US2020/065165)
[87] (WO2021/141739)
[30] US (62/958,044) 2020-01-07

[21] **3,166,549**
[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/444 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 487/14 (2006.01) C07D 495/04 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY COMPRISING A2A/A2B AND PD-1/PD-L1 INHIBITORS**
[54] **POLYTHERAPIE COMPRENANT DES INHIBITEURS D'A2A/A2B ET DE PD-1/PD-L1**
[72] WANG, HUI, US
[72] CARLSEN, PETER NIELS, US
[72] HUANG, TAISHENG, US
[72] LI, YONG, US
[72] LIN, LUPING, US
[72] QI, CHAO, US
[72] THEKKAT, PRAMOD UNNIKRISHNAN, US
[72] WANG, XIAOZHAO, US
[72] WU, LIANGXING, US
[72] YAO, WENQING, US
[72] ZHU, WENYU, US
[71] INCYTE CORPORATION, US
[85] 2022-06-30
[86] 2020-12-30 (PCT/US2020/067593)
[87] (WO2021/138512)
[30] US (62/956,960) 2020-01-03

[21] **3,166,552**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 25/00 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **ANTI-GAL3 ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-GAL3 ET METHODES D'UTILISATION**
[72] SUN, DONGXU, US
[72] RASOOL, SUHAIL, US
[72] GORDON, CATHERINE A., US
[72] HONG, KE, US
[72] CHEN, FAN, US
[72] BOLIN, SARA MATILDA, US
[72] SHCHORS, KSENYA, US
[72] YU, YADONG, US
[72] TSAI, TSUNG-HUANG, US
[72] WILLIAMS, SAMUEL A.F., US
[72] LALA, KARAN, US
[72] WU, HENG, US
[72] WANG, YAN, US
[71] TRUEBINDING, INC., US
[85] 2022-06-30
[86] 2021-01-12 (PCT/US2021/013136)
[87] (WO2021/146218)
[30] US (62/960,300) 2020-01-13
[30] US (63/024,327) 2020-05-13
[30] US (63/092,069) 2020-10-15
[30] US (63/122,409) 2020-12-07

[21] **3,166,556**
[13] A1
[51] **Int.Cl. G06F 40/166 (2020.01)**
[25] EN
[54] **METHOD AND DEVICE FOR GENERATING TARGET ADVERTORIAL BASED ON DEEP LEARNING**
[54] **METHODE ET DISPOSITIF POUR GENERER UN PUBLIREPORTAGE CIBLE FONDE SUR L'APPRENTISSAGE PROFOND**
[72] ZHU, JINGTAO, CN
[72] SHEN, YI, CN
[72] QI, KANG, CN
[72] NI, HEQIANG, CN
[72] LIANG, SHIWEN, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-06-29
[86] 2020-06-19 (PCT/CN2020/097007)
[87] (WO2021/135091)
[30] CN (201911403246.2) 2019-12-30

[21] **3,166,561**
[13] A1
[51] **Int.Cl. F16B 12/24 (2006.01) F16B 5/00 (2006.01) A47B 47/04 (2006.01) E04B 1/38 (2006.01) F16B 17/00 (2006.01) F16B 19/00 (2006.01)**
[25] EN
[54] **SET OF PANELS WITH A MECHANICAL LOCKING DEVICE**
[54] **ENSEMBLE DE PANNEAUX DOTES D'UN DISPOSITIF DE VERROUILLAGE MECANIQUE**
[72] DERELOV, PETER, SE
[72] SVENSSON, JOHAN, SE
[71] VALINGE INNOVATION AB, SE
[85] 2022-06-30
[86] 2021-01-21 (PCT/SE2021/050034)
[87] (WO2021/150162)
[30] SE (2050057-5) 2020-01-22

[21] **3,166,563**
[13] A1
[51] **Int.Cl. E03D 5/10 (2006.01) E05F 15/73 (2015.01)**
[25] EN
[54] **PROGRAMMABLE TOILET FLUSH INITIATING, MONITORING AND MANAGEMENT SYSTEM AND METHOD THEREOF**
[54] **SYSTEME PROGRAMMABLE D'INITIATION, DE SURVEILLANCE ET DE GESTION DE CHASSE D'EAU DE TOILETTES ET PROCEDE ASSOCIE**
[72] GRODY, CHARLES DYLAN, US
[71] HYDRAZE, INC., US
[85] 2022-06-30
[86] 2020-01-16 (PCT/US2020/013866)
[87] (WO2021/145879)

[21] **3,166,566**
[13] A1
[51] **Int.Cl. B29C 49/46 (2006.01) B29C 49/64 (2006.01) B65D 1/02 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING VACUUM AND PRESSURE WITHIN A THERMOPLASTIC CONTAINER**
[54] **PROCEDE DE REGLAGE DE VIDE ET DE PRESSION A L'INTERIEUR D'UN RECIPIENT THERMOPLASTIQUE**
[72] LANE, MICHAEL T., US
[72] STELZER, JAMES, US
[72] BEUERLE, FREDERICK C., US
[72] DOLE, OMKAR, US
[72] MAST, LUKE A., US
[71] AMCOR RIGID PACKAGING USA, LLC, US
[85] 2022-06-30
[86] 2020-01-28 (PCT/US2020/015337)
[87] (WO2021/154209)

[21] **3,166,571**
[13] A1
[51] **Int.Cl. A61K 31/47 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION CANCER TREATMENT USING A PD-1 ANTAGONIST, AN ILT4 ANTAGONIST, AND LENVATINIB OR SALTS THEREOF**
[54] **THERAPIE ANTICANCEREUSE COMBINEE UTILISANT UN ANTAGONISTE DE PD-1, UN ANTAGONISTE D'ILT4 ET DU LENVATINIB OU DES SELS DE CELUI-CI**
[72] ALTURA, RACHEL A., US
[72] BRANDISH, PHILIP E., US
[72] PERINI, RODOLFO FLEURY, US
[71] MERCK SHARP & DOHME LLC, US
[71] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2022-06-30
[86] 2020-12-18 (PCT/US2020/065799)
[87] (WO2021/138079)
[30] US (62/956,469) 2020-01-02

[21] **3,166,578**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/6806 (2018.01) C12N 15/09 (2006.01)**
[25] EN
[54] **POLYNUCLEOTIDE BARCODES FOR LONG READ SEQUENCING**
[54] **CODES-BARRES POLYNUCLEOTIDIQUES POUR SEQUENCAGE A LECTURE LONGUE**
[72] GLEZER, ELI N., US
[72] FABANI, MARTIN MARIA, US
[72] SHULTZABERGER, RYAN, US
[72] SRIDHAR, BHARAT, US
[72] STENGEL, GUDRUN, US
[72] WEI, CHRISTOPHER JEN-YUE, US
[71] SINGULAR GENOMICS SYSTEMS, INC., US
[85] 2022-06-30
[86] 2020-12-18 (PCT/US2020/066170)
[87] (WO2021/138094)
[30] US (62/956,041) 2019-12-31

[21] **3,166,629**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTI-TCR ANTIBODY MOLECULES AND USES THEREOF**
[54] **MOLECULES D'ANTICORPS ANTI-TCR ET LEURS UTILISATIONS**
[72] TAN, SENG-LAI, US
[72] VASH, BRIAN EDWARD, US
[72] HSU, JONATHAN, US
[72] GUNASEKERA, DILINI CHARMAIN, US
[72] PALAKURTHI, SANGEETHA SAGAR, US
[72] LOEW, ANDREAS, US
[72] KATRAGADDA, MADAN, US
[72] MAREK, PETER, US
[72] GUNTAS, GURKAN, US
[71] MARENGO THERAPEUTICS, INC., US
[85] 2022-06-30
[86] 2020-12-30 (PCT/US2020/067543)
[87] (WO2021/138474)
[30] US (62/957,024) 2020-01-03
[30] US (63/070,596) 2020-08-26

[21] **3,166,630**
[13] A1
[51] **Int.Cl. A61K 31/4155 (2006.01) A61K 31/4196 (2006.01) A61P 35/00 (2006.01) C07D 231/10 (2006.01) C07D 231/12 (2006.01) C07D 231/18 (2006.01) C07D 249/08 (2006.01) C07D 249/12 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 409/04 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **POLYCYCLIC AMIDES AS UBE2K MODULATORS FOR TREATING CANCER**
[54] **AMIDES POLYCYCLIQUES UTILISES EN TANT QUE MODULATEURS D'UBE2K POUR LE TRAITEMENT DU CANCER**
[72] VISHNUDAS, VIVEK K., US
[72] CHIMMANAMADA, DINESH U., US
[72] KHEDKAR, SANTOSH A., US
[71] BERG LLC, US
[85] 2022-06-30
[86] 2020-12-31 (PCT/US2020/067635)
[87] (WO2021/138540)
[30] US (62/956,802) 2020-01-03

[21] **3,166,631**
[13] A1
[51] **Int.Cl. A47J 31/06 (2006.01) A61J 1/00 (2006.01) B65B 25/02 (2006.01) B65B 29/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING HOMOGENOUS MIXTURES OF BREWED BEVERAGES AND ACTIVE INGREDIENTS**
[54] **SYSTEMES ET PROCEDES POUR GENERER DES MELANGES HOMOGENES DE BOISSONS INFUSEES ET D'INGREDIENTS ACTIFS**
[72] CAMERA, PAUL N., US
[72] WESNER, GREGORY, US
[71] SPOKE SCIENCES, INC., US
[85] 2022-06-30
[86] 2020-12-31 (PCT/US2020/067645)
[87] (WO2021/138547)
[30] US (62/956,572) 2020-01-02

[21] **3,166,632**
[13] A1
[51] **Int.Cl. G01N 30/30 (2006.01)**
[25] EN
[54] **HEATERS AND THEIR USE IN TEMPERATURE GRADIENT AND TRAVELING WAVE CHROMATOGRAPHY**
[54] **DISPOSITIFS DE CHAUFFAGE ET LEUR UTILISATION DANS LE GRADIENT DE TEMPERATURE ET LA CHROMATOGRAPHIE D'ONDES PROGRESSIVES**
[72] TOLLEY, SAMUEL, US
[72] KINGSTON, CHAD, US
[71] PERKINELMER HEALTH SCIENCES, INC., US
[85] 2022-06-30
[86] 2021-01-02 (PCT/US2021/012012)
[87] (WO2021/138644)
[30] US (16/733,026) 2020-01-02

[21] **3,166,633**
[13] A1
[51] **Int.Cl. A61K 47/00 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND PHARMACEUTICAL COMPOSITIONS FOR TREATMENT BY DIRECT INJECTION OF A TARGETED POPULATION OF CELLS**
[54] **SYSTEMES ET COMPOSITIONS PHARMACEUTIQUES POUR LE TRAITEMENT D'UNE POPULATION CIBLEE DE CELLULES PAR INJECTION DIRECTE**
[72] GOLDBERG, MANIJEH NAZARI, US
[72] MANZI, AARON M., US
[72] GOLDBERG, ERIC, US
[72] HARRIS, MICHAEL K., US
[71] PRIVO TECHNOLOGIES, INC., US
[85] 2022-06-30
[86] 2021-01-03 (PCT/US2021/012015)
[87] (WO2021/138646)
[30] US (62/956,795) 2020-01-03

[21] **3,166,634**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/436 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CLEAR CELL RENAL CARCINOMA (CCRCC) USING AXL DECOY RECEPTORS**
[54] **PROCEDES DE TRAITEMENT DU CARCINOME RENAL A CELLULES CLAIRES (CCRCC) A L'AIDE DE RECEPTEURS LEURRES AXL**
[72] MCINTYRE, GAIL, US
[72] BONIFACIO, LAURA, US
[71] ARAVIVE INC., US
[85] 2022-06-30
[86] 2021-01-05 (PCT/US2021/012176)
[87] (WO2021/141892)
[30] US (62/957,622) 2020-01-06

[21] **3,166,635**
[13] A1
[51] **Int.Cl. C07H 1/00 (2006.01) C07H 5/04 (2006.01)**
[25] EN
[54] **C-GLYCOSIDE AMINE DERIVATIVES AND METHODS OF MAKING**
[54] **DERIVES D'AMINE DE C-GLYCOSIDE ET LEURS PROCEDES DE FABRICATION**
[72] JACKSON, MICHAEL A., US
[72] PRICE, NEIL P., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US
[85] 2022-06-30
[86] 2021-01-06 (PCT/US2021/012293)
[87] (WO2021/141979)
[30] US (62/958,987) 2020-01-09
[30] US (17/140,415) 2021-01-04

[21] **3,166,636**
[13] A1
[51] **Int.Cl. C07D 401/10 (2006.01)**
[25] EN
[54] **MEK INHIBITORS AND THERAPEUTIC USES THEREOF**
[54] **INHIBITEURS DE MEK ET LEURS UTILISATIONS THERAPEUTIQUES**
[72] HALL, BRETT MATTHEW, US
[72] DECORTE, BART LIEVEN, US
[72] KING, PETER JOHN, US
[72] LEENDERS, RUBEN, US
[72] WEGERT, ANITA, US
[72] FOWLER, KEVIN, US
[72] KOLITZ, SARAH, US
[72] DOODEMAN, ROBIN, US
[72] POELAKKER, JARNO, US
[72] FOLMER, RUTGER HENK ADRIAAN, US
[71] IMMUNEERING CORPORATION, US
[85] 2022-06-30
[86] 2021-01-07 (PCT/US2021/012531)
[87] (WO2021/142144)
[30] US (62/959,732) 2020-01-10

[21] **3,166,637**
[13] A1
[51] **Int.Cl. A61K 38/04 (2006.01) A61K 38/12 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING INFLAMMATORY BOWEL DISEASES WITH .ALPHA.4,BETA.7 INTEGRIN ANTAGONISTS**
[54] **METHODES DE TRAITEMENT DE MALADIES INFLAMMATOIRES DE L'INTESTIN AVEC DES ANTAGONISTES DE L'INTEGRINE A4S7**
[72] GUPTA, SUNEEL KUMAR, US
[72] MODI, NISHIT BACHULAL, US
[72] CHENG, XIAOLI, US
[72] LIU, DAVID Y., US
[72] MATTHEAKIS, LARRY C., US
[71] PROTAGONIST THERAPEUTICS, INC., US
[85] 2022-06-30
[86] 2021-01-08 (PCT/US2021/012842)
[87] (WO2021/142373)
[30] US (62/959,854) 2020-01-10

[21] **3,166,638**
[13] A1
[51] **Int.Cl. B24C 5/02 (2006.01) B24C 7/00 (2006.01) B24C 1/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ENHANCED BLAST STREAM**
[54] **PROCEDE ET APPAREIL POUR UN FLUX DE SOUFFLAGE AMELIORE**
[72] LEHNIG, TONY, US
[71] COLD JET, LLC, US
[85] 2022-06-29
[86] 2020-12-31 (PCT/US2020/067643)
[87] (WO2021/138545)
[30] US (62/955,893) 2019-12-31

[21] **3,166,639**
[13] A1
[51] **Int.Cl. B21B 3/00 (2006.01) C21D 1/26 (2006.01) C22C 21/06 (2006.01) C22C 21/08 (2006.01) C22C 21/10 (2006.01) C22F 1/047 (2006.01) C22F 1/053 (2006.01)**
[25] EN
[54] **SHEET OR STRIP MADE OF A HARDENED ALUMINUM ALLOY, A VEHICLE PART MADE THEREFROM, A USE AND A METHOD FOR PRODUCING THE SHEET OR STRIP**
[54] **TOLE OU BANDE EN ALLIAGE D'ALUMINIUM POUVANT ETRE DURCIE, PIECE DE VEHICULE FABRIQUEE A PARTIR DE CELLE-CI, UTILISATION ET PROCEDE DE FABRICATION DE LA TOLE OU DE LA BANDE**
[72] TOSONE, RAMONA, AT
[72] POGATSCHER, STEFAN, AT
[72] STEMPER, LUKAS, AT
[72] UGGOWITZER, PETER J., CH
[71] AMAG ROLLING GMBH, AT
[85] 2022-07-07
[86] 2021-01-07 (PCT/EP2021/050203)
[87] (WO2021/140163)
[30] EP (20150632.6) 2020-01-07
[30] EP (20190782.1) 2020-08-12

[21] **3,166,640**
[13] A1
[51] **Int.Cl. B66D 1/00 (2006.01) B66D 1/02 (2006.01) B66D 1/12 (2006.01) B66D 1/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A DUAL MODE WINCH**
[54] **SYSTEMES ET PROCEDES POUR UN TREUIL A DOUBLE MODE**
[72] MAY, KEN, US
[72] MACKAY, KYLE, US
[72] GEBHART, STEVEN, US
[71] ALLIED MOTION TECHNOLOGIES INC., US
[85] 2022-07-07
[86] 2021-01-07 (PCT/US2021/012556)
[87] (WO2021/142166)
[30] US (62/958,280) 2020-01-07

[21] **3,166,641**
[13] A1
[51] **Int.Cl. G01S 7/40 (2006.01) G01S 7/41 (2006.01) G01S 13/86 (2006.01) G01S 13/89 (2006.01) G01S 13/931 (2020.01) G01S 13/42 (2006.01)**
[25] EN
[54] **IMPROVING ANGULAR RESOLUTION OF RADARS USING AN ARTIFICIAL NEURAL NETWORK**
[54] **AMELIORATION DE LA RESOLUTION ANGULAIRE DE RADARS EN UTILISANT UN RESEAU NEURONAL ARTIFICIEL**
[72] KORKALO, OTTO, FI
[72] KEMPPI, PAUL, FI
[72] HONKAMAA, PETRI, FI
[72] KIURU, TERO, FI
[72] HIRVONEN, MERVI, FI
[71] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, FI
[85] 2022-07-12
[86] 2021-01-14 (PCT/FI2021/050021)
[87] (WO2021/144505)
[30] FI (20205054) 2020-01-17

[21] **3,166,642**
[13] A1
[51] **Int.Cl. B66B 9/00 (2006.01) B66D 1/54 (2006.01) B66C 15/02 (2006.01)**
[25] EN
[54] **LIFTING DEVICE FOR LIFTING A PAYLOAD WITHIN AN ELEVATOR SHAFT IN A CONTROLLABLE MANNER**
[54] **DISPOSITIF DE LEVAGE SERVANT A SOULEVER PAR COMMANDE UNE CHARGE UTILE A L'INTERIEUR D'UNE GAINE D'ASCENSEUR**
[72] BIZZOZERO, GABRIELE, CH
[72] WEBER, STEFAN, CH
[71] INVENTIO AG, CH
[85] 2022-07-13
[86] 2021-01-20 (PCT/EP2021/051177)
[87] (WO2021/148456)
[30] EP (20152594.6) 2020-01-20

[21] **3,166,643**
[13] A1
[51] **Int.Cl. A61K 31/194 (2006.01) A61K 31/198 (2006.01) A61K 31/704 (2006.01) A61P 9/00 (2006.01) A61P 39/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING AMINO ACIDS FOR USE IN THE PREVENTION AND TREATMENT OF CHEMOTHERAPY SIDE EFFECTS**
[54] **COMPOSITIONS COMPRENANT DES ACIDES AMINES POUR UNE UTILISATION DANS LA PREVENTION ET LE TRAITEMENT D'EFFETS SECONDAIRES DE CHIMIOTHERAPIE**
[72] GIORGETTI, PAOLO LUCA MARIA, IT
[71] PROFESSIONAL DIETETICS S.P.A., IT
[85] 2022-07-13
[86] 2020-12-21 (PCT/IB2020/062291)
[87] (WO2021/144639)
[30] IT (102020000000442) 2020-01-13

[21] **3,166,644**
[13] A1
[51] **Int.Cl. A61K 31/194 (2006.01) A61K 31/198 (2006.01) A61K 31/704 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING AMINO ACIDS FOR PREVENTION AND/OR TREATMENT OF CANCER**
[54] **COMPOSITIONS COMPRENANT DES ACIDES AMINES POUR LA PREVENTION ET/OU LE TRAITEMENT DU CANCER**
[72] GIORGETTI, PAOLO LUCA MARIA, IT
[71] PROFESSIONAL DIETETICS S.P.A., IT
[85] 2022-07-13
[86] 2020-12-21 (PCT/IB2020/062301)
[87] (WO2021/144640)
[30] IT (102020000000454) 2020-01-13

[21] **3,166,645**
[13] A1
[51] **Int.Cl. A47J 31/20 (2006.01)**
[25] EN
[54] **BEVERAGE FILTER**
[54] **FILTRE A BOISSON**
[72] DE WET, PIETER OLOFF, ZA
[71] DE WET, PIETER OLOFF, ZA
[85] 2022-07-13
[86] 2021-01-15 (PCT/IB2021/050287)
[87] (WO2021/144748)
[30] ZA (2020/00253) 2020-01-15

[21] **3,166,646**
[13] A1
[51] **Int.Cl. B65G 1/137 (2006.01)**
[25] EN
[54] **METHOD AND PICKING WAREHOUSE FOR STORING AND PICKING ARTICLES**
[54] **PROCEDE ET ENTREPOT DE PREPARATION DE COMMANDES POUR ENTREPOSER ET PREPARER DES COMMANDES DE MARCHANDISES**
[72] FORSTER, FLORIAN, DE
[71] TGW LOGISTICS GROUP GMBH, AT
[85] 2022-07-14
[86] 2021-01-12 (PCT/AT2021/060009)
[87] (WO2021/142498)
[30] AT (A50035/2020) 2020-01-17

[21] **3,166,647**
[13] A1
[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE ALLELE FREQUENCY/MUTATION RATE, AND DIAGNOSTICS**
[54] **PROCEDE DE DETERMINATION DE LA FREQUENCE ALLELIQUE / DU TAUX DE MUTATION ET DIAGNOSTIC ASSOCIE**
[72] BOLLMANN, ANDREAS, DE
[72] NOWACK, BJORN, DE
[72] STROH, EILEEN, DE
[71] SENSID GMBH, DE
[85] 2022-07-14
[86] 2021-01-18 (PCT/EP2021/050962)
[87] (WO2021/144471)
[30] EP (20152341.2) 2020-01-17

[21] **3,166,648**
[13] A1
[51] **Int.Cl. A62B 23/00 (2006.01) A62B 23/02 (2006.01) B01D 39/16 (2006.01)**
[25] EN
[54] **MASK AND REMOVABLE CIDAL METAL OR CIDAL METAL ALLOY INSERT**
[54] **MASQUE ET INSERT DE METAL BACTERICIDE OU D'ALLIAGE METALLIQUE BACTERICIDE AMOVIBLE**
[72] KUHN, PHYLLIS J., US
[71] KUHN, PHYLLIS J., US
[85] 2022-07-14
[86] 2021-01-17 (PCT/US2021/013783)
[87] (WO2021/146664)
[30] US (62/962,495) 2020-01-17

[21] **3,166,649**
[13] A1
[51] **Int.Cl. F25B 15/00 (2006.01) E03B 3/28 (2006.01)**
[25] EN
[54] **ATMOSPHERIC WATER GENERATOR**
[54] **GENERATEUR D'EAU ATMOSPHERIQUE**
[72] MURRAY, MIKE, ZA
[72] ENSLIN, JOHAN ADAM, ZA
[71] CIRRUS REHOS RENEWABLE POWER AND WATER (PTY) LTD, ZA
[85] 2022-07-19
[86] 2021-01-20 (PCT/IB2021/050431)
[87] (WO2021/148965)
[30] ZA (2020/00358) 2020-01-20

[21] **3,166,650**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A47K 13/24 (2006.01)**
[25] EN
[54] **TOILET SEAT COMPRISING A DEVICE FOR DETECTING VALUES**
[54] **LUNETTE DE TOILETTE COMPRENANT UN DISPOSITIF D'ACQUISITION DE VALEURS**
[72] HERBST, MARTIN, AT
[71] HERBST, MARTIN, AT
[85] 2022-07-20
[86] 2021-01-27 (PCT/EP2021/051805)
[87] (WO2021/156117)
[30] EP (20155560.4) 2020-02-05

[21] **3,166,651**
[13] A1
[51] **Int.Cl. A01N 25/02 (2006.01) A01N 25/30 (2006.01) A01N 37/02 (2006.01)**
[25] EN
[54] **PELARGONIC ACID-BASED HERBICIDE COMPOSITIONS**
[54] **COMPOSITIONS HERBICIDES A BASE D'ACIDE PELARGONIQUE**
[72] SAGLIANO, ANGELA, IT
[72] CIANCOLINI, ANNA, IT
[72] CAPUZZI, LUIGI, IT
[71] NOVAMONT S.P.A., IT
[85] 2022-07-20
[86] 2021-02-18 (PCT/EP2021/054050)
[87] (WO2021/165411)
[30] IT (102020000003635) 2020-02-21

[21] **3,166,652**
[13] A1
[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/18 (2006.01) A61K 31/573 (2006.01) A61K 45/06 (2006.01) A61P 11/06 (2006.01)**
[25] EN
[54] **CXCL8 (INTERLEUKIN-8) ACTIVITY INHIBITOR AND CORTICOSTEROID COMBINATION AND PHARMACEUTICAL COMPOSITION AND USE THEREOF**
[54] **COMBINAISON D'INHIBITEUR D'ACTIVITE DE CXCL8 (INTERLEUKINE-8) ET DE CORTICOSTEROIDE ET COMPOSITION PHARMACEUTIQUE ET UTILISATION ASSOCIEES**
[72] RUSSO, REMO DE CASTRO, BR
[72] TEIXEIRA, MAURO MARTIN, BR
[72] ALLEGRETTI, MARCELLO, IT
[72] BRANDOLINI, LAURA, IT
[71] DOMPE' FARMACEUTICI SPA, IT
[85] 2022-07-21
[86] 2021-02-18 (PCT/EP2021/054078)
[87] (WO2021/165429)
[30] EP (20158749.0) 2020-02-21

[21] **3,166,653**
[13] A1
[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/18 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CXCL8 INHIBITOR AND PHARMACEUTICAL COMPOSITION THEREOF FOR USE IN THE TREATMENT OF CANCER-RELATED FATIGUE**
[54] **INHIBITEUR DE CXCL8 ET COMPOSITION PHARMACEUTIQUE DE CELUI-CI POUR UNE UTILISATION DANS LE TRAITEMENT DE LA FATIGUE LIEE AU CANCER**
[72] ALLEGRETTI, MARCELLO, IT
[72] RUFFINI, PIERADELCHI, IT
[71] DOMPE' FARMACEUTICI SPA, IT
[85] 2022-07-21
[86] 2021-02-19 (PCT/EP2021/054231)
[87] (WO2021/165510)
[30] EP (20158787.0) 2020-02-21

[21] **3,166,654**
[13] A1
[51] **Int.Cl. E21D 21/00 (2006.01)**
[25] EN
[54] **AN INFLATABLE ROCK BOLT**
[54] **BOULON D'ANCRAGE GONFLABLE**
[72] HOLFELD, BARRY GRAEME, ZA
[71] HOLFELD, BARRY GRAEME, ZA
[85] 2022-07-22
[86] 2020-05-06 (PCT/IB2020/054269)
[87] (WO2020/225735)
[30] ZA (2019/02816) 2019-05-06

[21] **3,166,655**
[13] A1
[51] **Int.Cl. G01R 31/36 (2020.01) H02H 7/18 (2006.01)**
[25] EN
[54] **BALLISTIC RESISTANT CASE FOR RECHARGEABLE BATTERIES**
[54] **BOITIER RESISTANT AUX BALLES POUR BATTERIES RECHARGEABLES**
[72] PACZKOWSKI, HENRY, US
[72] BURKE, PETER J., US
[72] SHA, DANIEL, US
[72] RUDOLPH, EUGENE, US
[72] SQUILLANTE, ALAN, US
[71] BREN-TRONICS, INC., US
[85] 2022-07-25
[86] 2020-12-09 (PCT/US2020/064074)
[87] (WO2021/150312)
[30] US (62/964,732) 2020-01-23

[21] **3,166,656**
[13] A1
[51] **Int.Cl. A23L 5/10 (2016.01) A23L 5/20 (2016.01) A23L 5/30 (2016.01) A23L 19/00 (2016.01) A23L 19/18 (2016.01) A23B 7/015 (2006.01) A23L 3/32 (2006.01) A47J 37/12 (2006.01)**
[25] EN
[54] **METHOD FOR FRYING A FOODSTUFF THE CELL MEMBRANES OF WHICH HAVE BEEN PERMEABILIZED, AND DEVICE FOR PRODUCING A FRIED FOODSTUFF**
[54] **PROCEDE POUR FAIRE FRIRE UN PRODUIT ALIMENTAIRE A MEMBRANES CELLULAIRES RENDUES PERMEABLES ET DISPOSITIF POUR FABRIQUER UN PRODUIT ALIMENTAIRE FRIT**
[72] HILL, KEVIN, DE
[72] OSTERMEIER, ROBIN, DE
[72] TOPFL, STEFAN, DE
[71] ELEA SERVICE GMBH, DE
[85] 2022-07-08
[86] 2021-01-29 (PCT/EP2021/052109)
[87] (WO2021/152091)
[30] DE (10 2020 201 191.5) 2020-01-31

[21] **3,166,657**
[13] A1
[51] **Int.Cl. B01D 5/00 (2006.01) B01D 53/54 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE CAPTURE OF C02 AND NITROGEN IN A GAS STREAM**
[54] **SYSTEME ET PROCEDE POUR LA CAPTURE DE CO2 ET D'AZOTE DANS UN FLUX DE GAZ**
[72] SPJELD, ODDVAR, NO
[71] EVOLTEC AS, NO
[85] 2022-07-25
[86] 2021-01-25 (PCT/NO2021/050019)
[87] (WO2021/150125)
[30] NO (20200087) 2020-01-23

[21] **3,166,658**
[13] A1
[51] **Int.Cl. A47L 11/40 (2006.01)**
[25] EN
[54] **FLOOR BRUSH ASSEMBLY AND CLEANER HAVING SAME**
[54] **ENSEMBLE BROSSE DE PLANCHER ET NETTOYEUR LE COMPRENANT**
[72] XU, XIA, CN
[72] FORD, TOM, CN
[72] YIN, XUEBING, CN
[71] JIANGSU MIDEA CLEANING APPLIANCES CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2022-07-07
[86] 2021-01-04 (PCT/CN2021/070086)
[87] (WO2021/139616)
[30] CN (202020028445.1) 2020-01-07
[30] CN (202020028954.4) 2020-01-07
[30] CN (202020028296.9) 2020-01-07
[30] CN (202020028392.3) 2020-01-07
[30] CN (202020028762.3) 2020-01-07

[21] **3,166,659**
[13] A1
[51] **Int.Cl. C22C 38/14 (2006.01) B21D 22/02 (2006.01) C21D 6/00 (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] **GALVANIZED STEEL SHEET FOR HOT STAMPING, HOT STAMPED PART, AND METHOD FOR PRODUCING HOT-STAMPED PART**
[54] **TOLE D'ACIER GALVANISEE POUR ESTAMPAGE A CHAUD, PIECE ESTAMPEE A CHAUD ET PROCEDE DE PRODUCTION D'UNE PIECE ESTAMPEE A CHAUD**
[72] HAMAMOTO, SAE, JP
[72] NAKATA, KEISUKE, JP
[72] ASAI, TATSUYA, JP
[72] SAITO, KENJI, JP
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2022-07-11
[86] 2021-01-07 (PCT/JP2021/000299)
[87] (WO2021/153177)
[30] JP (2020-014489) 2020-01-31

[21] **3,166,660**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/08 (2012.01) G05D 1/02 (2020.01) G08G 1/00 (2006.01)**
[25] EN
[54] **WORK SITE MANAGEMENT SYSTEM AND WORK SITE MANAGEMENT METHOD**
[54] **SYSTEME ET PROCEDE DE GESTION DE CHANTIER**
[72] MAEDA, YUSUKE, JP
[72] OGAWA, YUDAI, JP
[72] OSAGAWA, KENTA, JP
[72] SAKAI, ATSUSHI, JP
[72] MATSUI, YASUCHIKA, JP
[71] KOMATSU LTD., JP
[71] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP
[85] 2022-07-12
[86] 2021-01-14 (PCT/JP2021/001107)
[87] (WO2021/145392)
[30] JP (2020-005508) 2020-01-16

[21] **3,166,661**
[13] A1
[51] **Int.Cl. E04C 3/18 (2006.01) F16B 12/14 (2006.01)**
[25] EN
[54] **CONCEALED HANGER**
[54] **ETRIER CACHE**
[72] DAUDET, LARRY RANDALL, US
[71] SIMPSON STRONG-COMPANY INC., US
[85] 2022-07-22
[86] 2021-01-25 (PCT/US2021/014964)
[87] (WO2021/151097)
[30] US (62/965,724) 2020-01-24

[21] **3,166,662**
[13] A1
[51] **Int.Cl. C09J 7/10 (2018.01) C09J 7/38 (2018.01) C09J 9/02 (2006.01) C09J 11/04 (2006.01) C09J 133/04 (2006.01) C09J 201/00 (2006.01)**
[25] EN
[54] **PRESSURE-SENSITIVE ADHESIVE TAPE**
[54] **RUBAN ADHESIF SENSIBLE A LA PRESSION**
[72] KAJI, SHOUJI, JP
[72] SAKON, TAKAAKI, JP
[72] SASAKI, TAKU, JP
[71] SEKISUI CHEMICAL CO., LTD., JP
[85] 2022-07-22
[86] 2021-01-27 (PCT/JP2021/002853)
[87] (WO2021/153619)
[30] JP (2020-011798) 2020-01-28
[30] JP (2020-011810) 2020-01-28

[21] **3,166,713**
[13] A1
[51] **Int.Cl. H04L 12/10 (2006.01)**
[25] EN
[54] **BIDIRECTIONAL TRANSMISSION OF ELECTRICAL POWER ALONG WITH DATA OVER A WIRED TELECOMMUNICATIONS NETWORK**
[54] **TRANSMISSION BIDIRECTIONNELLE D'ENERGIE ELECTRIQUE AVEC DES DONNEES SUR UN RESEAU DE TELECOMMUNICATION FILAIRE**
[72] BRENGUIER, JEROME JEAN SEBASTIEN, FR
[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[85] 2022-06-30
[86] 2021-01-11 (PCT/EP2021/050339)
[87] (WO2021/170300)
[30] EP (20305184.2) 2020-02-26

[21] **3,166,714**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 34/20 (2016.01) A61B 8/12 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **CATHETER ULTRASOUND DEVICES AND METHODS FOR ASSESSING TARGETED TISSUE**
[54] **DISPOSITIFS ULTRASONORES POUR CATHETER ET PROCEDES D'EVALUATION DE TISSU BIOLOGIQUE CIBLE**
[72] SHARON, ASSAF, IL
[72] KEIDAR, YARON, IL
[72] GALON, AVIV, IL
[72] SHEPS, TAL, IL
[72] HERMAN, YARON, IL
[71] EDWARDS LIFESCIENCES INNOVATION (ISRAEL) LTD., IL
[85] 2022-06-30
[86] 2020-12-21 (PCT/IB2020/062287)
[87] (WO2021/140398)
[30] US (62/959,837) 2020-01-10

[21] **3,166,716**
[13] A1
[51] **Int.Cl. A61C 19/06 (2006.01) A61C 1/00 (2006.01) A61N 5/067 (2006.01)**
[25] EN
[54] **LASER SYSTEM FOR ENHANCING REMINERALIZATION AND STRENGTH OF HARD TISSUE**
[54] **SYSTEME LASER DESTINE A RENFORCER LA REMINERALISATION ET LA RESISTANCE DE TISSU DUR**
[72] KERBAGE, CHARLES, US
[72] BADREDDINE, ALI, US
[72] COUITT, STEPHEN, US
[72] CANTOR-BALAN, RONI, US
[71] CONVERGENT DENTAL, INC., US
[85] 2022-06-30
[86] 2020-12-31 (PCT/US2020/067656)
[87] (WO2021/138553)
[30] US (62/956,862) 2020-01-03

[21] **3,166,717**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01) A61F 2/966 (2013.01)**
[25] EN
[54] **HANDLE LOCKING MECHANISMS FOR A TRANSCATHETER DELIVERY SYSTEM**
[54] **MECANISMES DE VERROUILLAGE DE POIGNEE POUR SYSTEME DE POSE PAR TRANSCATHETER**
[72] SCHWARCZ, ELAZAR LEVI, IL
[72] WITZMAN, OFIR, IL
[72] COHEN, OREN, IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-06-30
[86] 2021-01-05 (PCT/US2021/012156)
[87] (WO2021/146076)
[30] US (62/960,516) 2020-01-13

[21] **3,166,719**
[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01) G06F 21/32 (2013.01) G06F 21/40 (2013.01) G07C 9/32 (2020.01) H04W 12/72 (2021.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DYNAMIC MULTI-FACTOR AUTHENTICATION**
[54] **SYSTEME ET PROCEDE D'AUTHENTIFICATION DYNAMIQUE A FACTEURS MULTIPLES**
[72] CHAHINE, TONY, CA
[72] KHALILIAN, BIJAN, CA
[72] ALIZADEH-MEGHRAZI, MILAD, CA
[71] MYANT INC., CA
[85] 2022-07-04
[86] 2021-01-05 (PCT/CA2021/050004)
[87] (WO2021/138737)
[30] US (62/957,549) 2020-01-06

[21] **3,166,721**
[13] A1
[51] **Int.Cl. C08F 112/36 (2006.01) B01J 20/26 (2006.01) B01J 20/30 (2006.01) C02F 1/28 (2006.01) C08J 3/24 (2006.01) C08J 9/28 (2006.01) C08K 5/03 (2006.01) C08L 25/02 (2006.01)**
[25] EN
[54] **ADSORBENT RESIN FOR REMOVING PERFLUORINATED POLLUTANTS FROM BODY OF WATER, PREPARATION THEREFOR, AND USE THEREOF**
[54] **RESINE ADSORBANTE POUR L'ELIMINATION DE POLLUANTS PERFLUORES D'UN PLAN D'EAU, PREPARATION DE CELLE-CI ET UTILISATION DE CELLE-CI**
[72] ZHANG, LI, CN
[72] LI, YANJUN, CN
[72] LIU, QIONG, CN
[72] KOU, XIAOKANG, CN
[71] SUNRESIN NEW MATERIALS CO.LTD., CN
[85] 2022-07-04
[86] 2020-12-16 (PCT/CN2020/136818)
[87] (WO2021/143433)
[30] CN (202010042122.2) 2020-01-15

[21] **3,166,722**
[13] A1
[51] **Int.Cl. G01D 5/48 (2006.01) G01T 1/15 (2006.01) H01J 49/10 (2006.01) H01J 49/26 (2006.01) H01J 49/42 (2006.01)**
[25] EN
[54] **VARIABLE DISCRIMINATOR THRESHOLD FOR ION DETECTION**
[54] **SEUIL DE DISCRIMINATEUR VARIABLE POUR LA DETECTION D'IONS**
[72] FISHER, WILLIAM, CA
[72] ATAMANCHUK, BOHDAN, CA
[71] PERKINELMER HEALTH SCIENCES CANADA, INC., CA
[85] 2022-07-04
[86] 2021-01-06 (PCT/CA2021/050006)
[87] (WO2021/138738)
[30] US (16/739,536) 2020-01-10

[21] **3,166,723**
[13] A1
[51] **Int.Cl. H01M 10/615 (2014.01)**
[25] EN
[54] **LITHIUM BATTERY SYSTEM AND OVERHEAD WORKING TRUCK**
[54] **SYSTEME DE BATTERIE AU LITHIUM ET CHARIOT UTILITAIRE BASCULANT**
[72] REN, HUILI, CN
[72] ZHU, HOU, CN
[72] ZHONG, YI, CN
[72] DUAN, JIANHUI, CN
[72] XIONG, LU, CN
[71] ZOOMLION INTELLIGENT ACCESS MACHINERY CO., LTD., CN
[85] 2022-07-04
[86] 2021-03-30 (PCT/CN2021/084024)
[87] (WO2022/062352)
[30] CN (202011034939.1) 2020-09-27
[30] CN (202011033069.6) 2020-09-27

[21] **3,166,726**
[13] A1
[51] **Int.Cl. C12N 9/10 (2006.01) C12N 15/79 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **GLYCOENGINEERING USING LEISHMANIA CELLS**
[54] **GLYCO-INGENIERIE A L'AIDE DE CELLULES DE LEISHMANIA**
[72] MALLY, MANUELA, CH
[72] FARIDMOAYER, AMIRREZA, CH
[72] FOLLADOR, RAINER, CH
[72] HARSMAN, ANKE, JUDITH, CH
[71] LIMMATECH BIOLOGICS AG, CH
[85] 2022-07-04
[86] 2021-01-07 (PCT/EP2021/050172)
[87] (WO2021/140143)
[30] US (62/958,070) 2020-01-07

[21] **3,166,728**
[13] A1
[51] **Int.Cl. C12N 1/10 (2006.01) C12N 15/64 (2006.01) C12N 15/79 (2006.01) C12N 15/87 (2006.01) C12N 15/90 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **ENGINEERED LEISHMANIA CELLS**
[54] **CELLULES DE LEISHMANIA MODIFIEES**
[72] MALLY, MANUELA, CH
[72] FARIDMOAYER, AMIRREZA, CH
[72] SERVENTI, FABIO, CH
[72] FOLLADOR, RAINER, CH
[72] HARSMAN, ANKE JUDITH, CH
[71] LIMMATECH BIOLOGICS AG, CH
[85] 2022-07-04
[86] 2021-01-07 (PCT/EP2021/050173)
[87] (WO2021/140144)
[30] US (62/958,088) 2020-01-07

[21] **3,166,732**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOUNDS AND CONJUGATES THEREOF**
[54] **COMPOSES ET CONJUGUES CORRESPONDANTS**
[72] HOWARD, PHILIP WILSON, GB
[72] CAILLEAU, THAIS, GB
[71] MEDIMMUNE LIMITED, GB
[85] 2022-07-04
[86] 2021-01-21 (PCT/EP2021/051259)
[87] (WO2021/148500)
[30] US (62/964,181) 2020-01-22

[21] **3,166,734**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/404 (2006.01) A61K 31/4439 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 31/593 (2006.01) A61K 45/06 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **TETRAHYDROCYCLOPENTA[B]INDOLE COMPOUNDS FOR THE TREATMENT OF RENAL DISEASE**
[54] **COMPOSES DE TETRAHYDROCYCLOPENTA[B]INDOLE SERVANT AU TRAITEMENT DE MALADIE RENALE**
[72] CRUZ, ANTONIO F., US
[72] FROST, PHILLIP, US
[71] EIRGEN PHARMA LTD., IE
[85] 2022-07-04
[86] 2021-01-26 (PCT/EP2021/051778)
[87] (WO2021/151905)
[30] US (62/966,382) 2020-01-27

[21] **3,166,735**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61P 1/00 (2006.01) A61P 1/06 (2006.01) A61P 3/10 (2006.01) A61P 11/06 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 17/14 (2006.01) A61P 19/02 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **PRMT5 INHIBITOR FOR USE IN A METHOD OF TREATING PSORIASIS AND OTHER AUTOIMMUNE CONDITIONS**
[54] **INHIBITEUR DE PRMT5 DESTINE A ETRE UTILISE DANS UNE METHODE DE TRAITEMENT DU PSORIASIS ET D'AUTRES AFFECTIONS AUTO-IMMUNES**
[72] LI, MENG, US
[72] TOLCHER, ANTHONY WILLIAM, US
[71] PFIZER INC., US
[85] 2022-07-04
[86] 2021-01-04 (PCT/IB2021/050013)
[87] (WO2021/140427)
[30] US (62/957,925) 2020-01-07
[30] US (63/116,120) 2020-11-19

[21] **3,166,737**
[13] A1
[51] **Int.Cl. A61B 17/88 (2006.01) A61B 17/72 (2006.01) A61B 17/86 (2006.01) A61B 17/92 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INSERTING AN INTRAMEDULLARY NAIL**
[54] **SYSTEME ET PROCEDE D'INSERTION D'UN CLOU CENTROMEDULLAIRE**
[72] SPREITER, GREGOR, CH
[72] DEFOSSEZ, HENRI, CH
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2022-07-04
[86] 2021-01-06 (PCT/IB2021/050068)
[87] (WO2021/140445)
[30] US (16/736,400) 2020-01-07

[21] **3,166,741**
[13] A1
[51] **Int.Cl. A61K 31/502 (2006.01) A61K 31/5025 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR TREATING CANCER**
[54] **POLYTHERAPIE POUR LE TRAITEMENT DU CANCER**
[72] HATTERSLEY, MAUREEN, US
[72] PAGEAU POULIOT, GAYLE, US
[72] CHEN, HUAWEI RAYMOND, US
[72] DE VITA, SERENA, US
[71] ASTRAZENECA AB, SE
[85] 2022-07-04
[86] 2021-01-08 (PCT/IB2021/050122)
[87] (WO2021/140478)
[30] US (62/958,792) 2020-01-09

[21] **3,166,742**
[13] A1
[51] **Int.Cl. G06F 40/279 (2020.01) G06F 40/166 (2020.01)**
[25] EN
[54] **METHOD OF GENERATING TEXT PLAN BASED ON DEEP LEARNING, DEVICE AND ELECTRONIC EQUIPMENT**
[54] **PROCEDE ET APPAREIL DE PRODUCTION DE TEXTE A BASE D'APPRENTISSAGE PROFOND ET DISPOSITIF ELECTRONIQUE**
[72] ZHAO, HUI, CN
[72] SHEN, YI, CN
[72] QI, KANG, CN
[72] HOU, GAN, CN
[72] ZHANG, BINGBING, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-07-04
[86] 2020-08-28 (PCT/CN2020/111951)
[87] (WO2021/135319)
[30] CN (202010001994.4) 2020-01-02

[21] **3,166,744**
[13] A1
[51] **Int.Cl. C10G 9/36 (2006.01) C10G 75/00 (2006.01) G05D 7/00 (2006.01) G05D 16/00 (2006.01) G05D 21/00 (2006.01)**
[25] EN
[54] **HIGH GAS VELOCITY START-UP OF AN ETHYLENE CRACKING FURNACE**
[54] **DEMARRAGE A GRANDE VITESSE DE GAZ D'UN FOUR DE CRAQUAGE D'ETHYLENE**
[72] KOSELEK, MICHAEL EDWARD, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2022-07-04
[86] 2021-01-19 (PCT/IB2021/050384)
[87] (WO2021/148942)
[30] US (62/964,243) 2020-01-22

[21] **3,166,747**
[13] A1
[51] **Int.Cl. A61K 31/424 (2006.01) A61K 31/437 (2006.01) A61K 31/4985 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) A61P 9/04 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01) A61P 27/06 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 471/04 (2006.01) C07D 471/14 (2006.01) C07D 487/14 (2006.01) C07D 498/14 (2006.01) C07D 519/00 (2006.01) C12N 9/99 (2006.01)**
[25] EN
[54] **FUSED TRICYCLIC COMPOUND AND MEDICINAL USE THEREOF**
[54] **COMPOSE TRICYCLIQUE CONDENSE ET SON UTILISATION MEDICINALE**
[72] SUZAWA, KOICHI, JP
[72] FUJISHIMA, YUKI, JP
[72] YAMAKAWA, MAKI, JP
[72] UENO, HIROSHI, JP
[72] MANABE, TOMOYUKI, JP
[71] JAPAN TOBACCO INC., JP
[85] 2022-07-04
[86] 2021-03-03 (PCT/JP2021/008055)
[87] (WO2021/177330)
[30] JP (2020-036931) 2020-03-04
[30] JP (2021-001452) 2021-01-07

[21] **3,166,748**
[13] A1
[51] **Int.Cl. G07F 19/00 (2006.01) G06F 11/07 (2006.01)**
[25] EN
[54] **TRANSFER OF A TRANSACTION FROM A WOUNDED ATM TO ANOTHER ATM**
[54] **TRANSFERT D'UNE TRANSACTION D'UN GAB DEFAILLANT A UN AUTRE GAB**
[72] MCKINNON, NATHANIEL, US
[72] AWADALLAH, EHAB M., US
[72] PHILLIPS, JEREMY J., US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-07-04
[86] 2020-12-08 (PCT/US2020/063715)
[87] (WO2021/141705)
[30] US (16/739,705) 2020-01-10

[21] **3,166,764**
[13] A1
[51] **Int.Cl. A61B 5/392 (2021.01) A61B 5/257 (2021.01) H01R 11/24 (2006.01)**
[25] EN
[54] **ELECTRODE PATCH AND CONNECTION SYSTEM**
[54] **PASTILLE D'ELECTRODE ET SYSTEME DE CONNEXION**
[72] O'GRADY, GREGORY, NZ
[72] GHARIBANS, ARMEN, NZ
[72] DU, PENG, NZ
[72] HAYES, THOMAS, NZ
[72] HANNON-TAN, JAMES SEBASTIAN, AU
[71] ALIMETRY LIMITED, NZ
[85] 2022-06-21
[86] 2020-12-23 (PCT/IB2020/062369)
[87] (WO2021/130683)
[30] NZ (760518) 2019-12-23
[30] NZ (769806) 2020-11-11

[21] **3,166,783**
[13] A1
[51] **Int.Cl. C07C 273/16 (2006.01) C07C 273/04 (2006.01)**
[25] EN
[54] **UREA PLANT WITH CHILLED CONDENSATION SECTION**
[54] **USINE D'UREE COMPRENANT UNE SECTION DE CONDENSATION REFROIDIE**
[72] PATIL, RAHUL, NL
[71] STAMICARBON B.V., NL
[85] 2022-06-29
[86] 2020-12-30 (PCT/NL2020/050824)
[87] (WO2021/137699)
[30] EP (19220074.9) 2019-12-30

[21] **3,166,784**
[13] A1
[51] **Int.Cl. G10L 15/22 (2006.01)**
[25] EN
[54] **HUMAN-MACHINE INTERACTIVE SPEECH RECOGNIZING METHOD AND SYSTEM FOR INTELLIGENT DEVICES**
[54] **PROCEDE DE RECONNAISSANCE VOCALE POUR L'INTERACTION HOMME-MACHINE D'UN APPAREIL INTELLIGENT ET SYSTEME**
[72] SUN, PENGFEI, CN
[72] JIA, HONGYUAN, CN
[72] LI, CHUNSHENG, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-07-04
[86] 2019-09-19 (PCT/CN2019/106778)
[87] (WO2020/140487)
[30] CN (201910002748.8) 2019-01-02

[21] **3,166,787**
[13] A1
[51] **Int.Cl. H04N 21/2187 (2011.01) G06K 9/00 (2022.01) H04N 7/18 (2006.01)**
[25] EN
[54] **LIVE VIDEO STREAMING BASED ON AN ENVIRONMENT-RELATED TRIGGER**
[54] **DIFFUSION EN CONTINU DE VIDEO EN DIRECT REPOSANT SUR UN ELEMENT DECLENCHEUR ASSOCIE A UN ENVIRONNEMENT**
[72] EDWARDS, JOSHUA, US
[72] SAIA, MICHAEL, US
[72] MAIMAN, TYLER, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-07-04
[86] 2020-12-23 (PCT/US2020/066989)
[87] (WO2021/141785)
[30] US (16/736,446) 2020-01-07
[30] US (16/880,955) 2020-05-21

[21] **3,166,791**
[13] A1
[51] **Int.Cl. H01H 9/22 (2006.01) H01F 27/02 (2006.01) H01F 27/40 (2006.01) H01H 19/14 (2006.01) H01H 19/36 (2006.01) H01H 23/14 (2006.01)**
[25] EN
[54] **EXTERNAL SWITCH COUPLER FOR PAD-MOUNTED TRANSFORMERS**
[54] **COUPLEUR DE COMMUTATEUR EXTERNE POUR TRANSFORMATEURS SUR DALLE DE BETON**
[72] GRIFE, RONALD D., US
[72] RAFFERTY, PATRICK, US
[71] LEEWARD ASSET MANAGEMENT, LLC, US
[85] 2022-07-04
[86] 2020-12-29 (PCT/US2020/067348)
[87] (WO2021/146051)
[30] US (16/742,517) 2020-01-14

[21] **3,166,797**
[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **ROTATABLE MEDICAL DEVICE**
[54] **DISPOSITIF MEDICAL ROTATIF**
[72] NGUYEN, MAN MINH, US
[72] BRECHBIEL, SCOTT E., US
[72] WILDER, EVAN, US
[72] WELDON, JAMES, US
[72] POWELL, SEAN, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2022-07-04
[86] 2020-12-30 (PCT/US2020/067407)
[87] (WO2021/141808)
[30] US (62/958,788) 2020-01-09

[21] **3,166,826**
[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) C07K 7/64 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **LASSO PEPTIDES FOR TREATMENT OF CANCER**
[54] **PEPTIDES LASSOS POUR LE TRAITEMENT DU CANCER**
[72] BURK, MARK J., US
[71] LASSOGEN, INC., US
[85] 2022-07-04
[86] 2021-01-05 (PCT/US2021/012191)
[87] (WO2021/141901)
[30] US (62/957,762) 2020-01-06
[30] US (62/980,918) 2020-02-24

[21] **3,166,828**
[13] A1
[51] **Int.Cl. A61K 31/404 (2006.01) A61K 31/575 (2006.01) A61K 31/66 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CONDITIONS RELATED TO THE S1P1 RECEPTOR**
[54] **METHODES DE TRAITEMENT D'AFFECTIONS LIEES AU RECEPTEUR DE S1P1**
[72] CROSBY, CATHERINE M., US
[72] AHLUWALIA, GURPREET, US
[72] SELFRIDGE, ANDREW CHRISTOPHER WESLEY, GB
[71] ARENA PHARMACEUTICALS, INC., US
[85] 2022-07-04
[86] 2021-01-06 (PCT/US2021/012367)
[87] (WO2021/142030)
[30] US (62/957,535) 2020-01-06

[21] **3,166,830**
[13] A1
[51] **Int.Cl. A21D 13/064 (2017.01) A21D 13/80 (2017.01) A21D 2/26 (2006.01) A21D 13/06 (2017.01) A23G 3/44 (2006.01)**
[25] EN
[54] **SOFT BAKED SNACK AND METHODS OF MAKING**
[54] **PRODUIT DE GRIGNOTAGE CUIT POUR ETRE FONDANT ET PROCEDES DE FABRICATION ASSOCIES**
[72] CHATZIYAKOUMIS, JESSICA, ES
[72] MANDERFELD, MICHELLE M., US
[72] ROSENE, SARA, US
[72] WANNER, KATIE, US
[72] WEATHERBY, NATASHA, US
[71] GENERAL MILLS, INC., US
[85] 2022-07-04
[86] 2021-01-07 (PCT/US2021/012397)
[87] (WO2021/142052)
[30] US (62/958,375) 2020-01-08

[21] **3,166,831**
[13] A1
[51] **Int.Cl. E03C 1/22 (2006.01) A47B 77/08 (2006.01) B01D 21/26 (2006.01) B30B 9/14 (2006.01) E03C 1/266 (2006.01)**
[25] EN
[54] **ORGANIC WASTE SEPARATOR FOR UNDER A SINK**
[54] **SEPARATEUR DE DECHETS ORGANIQUES DESTINE A ETRE UTILISE SOUS UN EVIER**
[72] NICOLOV, VICTOR, CA
[71] ANVY TECHNOLOGIES INC., CA
[85] 2022-07-05
[86] 2020-01-06 (PCT/CA2020/000002)
[87] (WO2021/138729)

[21] **3,166,832**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C12N 5/071 (2010.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 45/00 (2006.01) C07H 21/04 (2006.01) C12N 5/16 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **A METHOD OF ENGINEERING NATURAL KILLER CELLS TO TARGET CD70-POSITIVE TUMORS**
[54] **PROCEDE DE MODIFICATION DE CELLULES TUEUSES NATURELLES POUR CIBLER DES TUMEURS POSITIVES CD70**
[72] REZVANI, KATY, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEMS, US
[85] 2022-07-04
[86] 2021-01-07 (PCT/US2021/012510)
[87] (WO2021/142127)
[30] US (62/958,563) 2020-01-08

[21] **3,166,833**
[13] A1
[51] **Int.Cl. H04W 4/12 (2009.01) H04W 4/14 (2009.01) H04L 12/16 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR ELECTRONIC COMMUNICATION ENHANCED WITH METADATA**
[54] **PROCEDES ET DISPOSITIFS DE COMMUNICATION ELECTRONIQUE AMELIOREE AVEC DES METADONNEES**
[72] CHAHINE, TONY, CA
[72] ALIZADEH-MEGHRAZI, MILAD, CA
[72] SCOTT, SHERRYL LEE LORRAINE, CA
[71] MYANT INC., CA
[85] 2022-07-05
[86] 2020-12-17 (PCT/CA2020/051737)
[87] (WO2021/138732)
[30] US (62/957,609) 2020-01-06

[21] **3,166,834**
[13] A1
[51] **Int.Cl. A41D 13/005 (2006.01) A41D 1/00 (2018.01) A41D 13/002 (2006.01) A61F 7/00 (2006.01) A62B 17/00 (2006.01) F25B 21/02 (2006.01)**
[25] EN
[54] **HEATING AND COOLING GARMENT SYSTEM**
[54] **SYSTEME DE VETEMENT DE CHAUFFAGE ET DE REFROIDISSEMENT**
[72] BOGDANOVICH, PHILLIP, US
[71] CIPHER SKIN, US
[85] 2022-07-04
[86] 2021-01-07 (PCT/US2021/012513)
[87] (WO2021/142129)
[30] US (62/958,042) 2020-01-07

[21] **3,166,835**
[13] A1
[51] **Int.Cl. A61B 5/02 (2006.01) A61B 5/28 (2021.01) A61B 5/0295 (2006.01)**
[25] EN
[54] **GARMENT CUFF FOR DETECTING PHYSIOLOGICAL DATA**
[54] **PAREMENT DE VETEMENT PERMETTANT DE DETECTER DES DONNEES PHYSIOLOGIQUES**
[72] CHAHINE, TONY, CA
[72] JAIN, PARTH SATVIK, CA
[72] KWOK, CALVIN FOOK-LAM, CA
[72] CRISTEA, DAN CATALIN, CA
[72] NOUDEHOU, SENAFA, CA
[71] MYANT INC., CA
[85] 2022-07-05
[86] 2020-12-30 (PCT/CA2020/051808)
[87] (WO2021/138733)
[30] US (62/957,606) 2020-01-06

[21] **3,166,837**
[13] A1
[51] **Int.Cl. F04D 13/06 (2006.01) F01P 5/12 (2006.01) F04C 15/00 (2006.01) F04D 13/02 (2006.01) F04D 15/00 (2006.01) F04D 29/10 (2006.01)**
[25] EN
[54] **PERMANENT MAGNET ROTOR FOR AN AXIAL FLUX MOTOR**
[54] **ROTOR A AIMANT PERMANENT POUR MOTEUR A FLUX AXIAL**
[72] RUSSALIAN, VIGEL, US
[71] GATES CORPORATION, US
[85] 2022-07-04
[86] 2021-01-08 (PCT/US2021/012567)
[87] (WO2021/142177)
[30] US (62/959,010) 2020-01-09

[21] **3,166,838**
[13] A1
[51] **Int.Cl. C12P 21/00 (2006.01) C12N 5/071 (2010.01) C12N 5/00 (2006.01) C12N 7/00 (2006.01) C12P 1/00 (2006.01)**
[25] EN
[54] **MAMMALIAN CELL CULTURE PROCESSES**
[54] **PROCEDES DE CULTURE DE CELLULES DE MAMMIFERE**
[72] BRUNNER, MATTHIAS, DE
[72] BECHMANN, JAN, DE
[72] BOLLGOENN, ELENA, JOANA, DE
[72] STIEFEL, FABIAN, DE
[72] UNSOELD, ANDREAS, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2022-07-05
[86] 2021-02-17 (PCT/EP2021/053859)
[87] (WO2021/165302)
[30] EP (20157829.1) 2020-02-18

[21] **3,166,839**
[13] A1
[51] **Int.Cl. G01S 17/06 (2006.01) G01S 17/931 (2020.01) G01S 17/89 (2020.01)**
[25] EN
[54] **METHOD FOR PROCESSING DATA PROVIDED BY A LIDAR AND ASSOCIATED COMPUTER**
[54] **PROCEDE D'EXPLOITATION DE DONNEES FOURNIES PAR UN LIDAR ET CALCULATEUR ASSOCIE**
[72] BOURDEU, ALEXANDRE, FR
[72] LUGEZ, BORIS, FR
[72] CARON, THIBAULT, FR
[71] CONTINENTAL AUTONOMOUS MOBILITY GERMANY GMBH, DE
[85] 2022-07-05
[86] 2021-01-20 (PCT/EP2021/051221)
[87] (WO2021/148481)
[30] FR (FR2000561) 2020-01-21

[21] **3,166,843**
[13] A1
[51] **Int.Cl. A61M 1/28 (2006.01) G16H 20/40 (2018.01) A61M 1/14 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ANALYZING SPENT DIALYSATE**
[54] **SYSTEMES ET PROCEDES POUR ANALYSER UN DIALYSAT EPUISE**
[72] KOTANKO, PETER, US
[72] TAO, XIA, US
[72] GARBACCIO, MIA G., US
[72] THIJSSEN, STEPHAN, US
[72] GROBE, NADJA, US
[72] TAPIA SILVA, LETICIA M., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-07-04
[86] 2021-01-08 (PCT/US2021/012583)
[87] (WO2021/142185)
[30] US (16/739,366) 2020-01-10

[21] **3,166,845**
[13] A1
[51] **Int.Cl. D01D 10/02 (2006.01) D04H 1/4209 (2012.01) D04H 1/4226 (2012.01) D06M 10/00 (2006.01) F27B 9/10 (2006.01)**
[25] EN
[54] **CURING OVEN AND METHOD OF CONTROLLING A CURING OVEN**
[54] **FOUR DE DURCISSEMENT ET METHODE DE CONTROLE D'UN FOUR DE DURCISSEMENT**
[72] ANDREASEN, OLE, DK
[71] ROCKWOOL A/S, DK
[85] 2022-07-05
[86] 2021-01-15 (PCT/EP2021/050858)
[87] (WO2021/144451)
[30] DK (PA 2020 70036) 2020-01-17

[21] **3,166,847**
[13] A1
[51] **Int.Cl. A01K 67/02 (2006.01) G01N 21/35 (2014.01)**
[25] FR
[54] **METHOD FOR DETERMINING THE QUALITY OF AN ANIMAL'S SEMEN**
[54] **METHODE DE DETERMINATION DE LA QUALITE D'UNE SEMENCE D'UN ANIMAL**
[72] BERTOZZI, CARLO, BE
[72] HENROTTE, EMILIE, BE
[72] BOCCART, CHRISTOPHE, BE
[72] BAETEN, VINCENT, BE
[72] DEHARENG, FREDERIC, BE
[71] INOVEO, BE
[85] 2022-07-05
[86] 2021-01-08 (PCT/EP2021/050234)
[87] (WO2021/140175)
[30] BE (2020/5012) 2020-01-09

[21] **3,166,849**
[13] A1
[51] **Int.Cl. B05D 1/00 (2006.01) B05D 3/14 (2006.01) C09J 5/02 (2006.01)**
[25] EN
[54] **METHOD FOR ALTERING ADHESION PROPERTIES OF A SURFACE BY PLASMA COATING**
[54] **PROCEDE DE MODIFICATION DE PROPRIETES D'ADHERENCE D'UNE SURFACE PAR REVETEMENT AU PLASMA**
[72] SCHELTJENS, GILL, BE
[72] BOREK-DONTEN, JOANNA, BE
[72] HEYBERGER, REGIS, FR
[71] MOLECULAR PLASMA GROUP S.A., LU
[85] 2022-07-05
[86] 2021-01-07 (PCT/EP2021/050176)
[87] (WO2021/140146)
[30] EP (20150628.4) 2020-01-07

[21] **3,166,850**
[13] A1
[51] **Int.Cl. H04W 52/14 (2009.01) H04W 52/24 (2009.01) H04W 52/32 (2009.01) H04W 52/36 (2009.01) H04W 52/54 (2009.01) H04L 5/00 (2006.01) H04W 52/22 (2009.01)**
[25] EN
[54] **DYNAMIC UPLINK POWER CONTROL**
[54] **CONTROLE DE PUISSANCE DYNAMIQUE EN LIAISON MONTANTE**
[72] CIRIK, ALI CAGATAY, US
[72] YI, YUNJUNG, US
[72] DINAN, ESMAEL, US
[72] ZHOU, HUA, US
[71] OFINNO, LLC, US
[85] 2022-07-04
[86] 2021-01-11 (PCT/US2021/012937)
[87] (WO2021/142432)
[30] US (62/959,059) 2020-01-09

[21] **3,166,851**
[13] A1
[51] **Int.Cl. B26B 1/08 (2006.01) B26B 1/04 (2006.01)**
[25] EN
[54] **KNIFE**
[54] **COUTEAU**
[72] WANG, WEIYI, CN
[71] HANGZHOU UNITED ELECTRIC MANUFACTURE CO., LTD., CN
[71] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN
[85] 2022-07-05
[86] 2021-04-01 (PCT/CN2021/085007)
[87] (WO2021/197443)
[30] CN (202020461928.0) 2020-04-01

[21] **3,166,853**
[13] A1
[51] **Int.Cl. A61G 5/10 (2006.01) A61G 7/012 (2006.01)**
[25] EN
[54] **ADJUSTMENT DEVICE FOR VEHICLE SEATS**
[54] **DISPOSITIF DE REGLAGE POUR SIEGES DE VEHICULE**
[72] GIERSE, KLAUS, DE
[71] IN-TRA-TEC GMBH, DE
[85] 2022-07-05
[86] 2020-01-07 (PCT/EP2020/050223)
[87] (WO2021/139879)

[21] **3,166,855**
[13] A1
[51] **Int.Cl. C07F 9/02 (2006.01) C07F 9/6564 (2006.01) C07F 9/6578 (2006.01)**
[25] EN
[54] **REAGENTS AND THEIR USE FOR MODULAR ENANTIODIVERGENT SYNTHESIS OF C-P BONDS**
[54] **REACTIFS ET LEUR UTILISATION POUR LA SYNTHESE ENANTIODIVERGENTE MODULAIRE DE LIAISONS C-P**
[72] XU, DONGMIN, US
[72] RIVAS-BASCON, NAZARET, ES
[72] KNOUSE, KYLE W., US
[72] PADIAL, NATALIA M., US
[72] ZHENG, BIN, US
[72] VANTOUROUT, JULIEN C., US
[72] SCHMIDT, MICHAEL A., US
[72] EASTGATE, MARTIN D., US
[72] BARAN, PHIL S., US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2022-07-04
[86] 2021-01-14 (PCT/US2021/013391)
[87] (WO2021/146391)
[30] US (62/962,066) 2020-01-16

[21] **3,166,857**
[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) C12M 3/06 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR, AND A METHOD OF, PROCESSING CELLS**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE CELLULES**
[72] VERAITCH, FARLAN, GB
[72] RAIMES, WILLIAM, GB
[72] KIPLING, GARY, GB
[72] HILES, ADAM, GB
[72] WOOD, PHILIP, GB
[71] ORIBIOTECH LTD, GB
[85] 2022-07-05
[86] 2021-01-12 (PCT/GB2021/050065)
[87] (WO2021/144560)
[30] GB (2000481.8) 2020-01-13

[21] **3,166,858**
[13] A1
[51] **Int.Cl. A61B 17/64 (2006.01) A61B 17/70 (2006.01)**
[25] EN
[54] **SPINAL ROD-TO-ROD CONNECTORS**
[54] **CONNECTEURS TIGE A TIGE VERTEBRALE**
[72] LENGYEL, REBECCA BOERIGTER, US
[72] GIBBS, COLLIN, US
[72] LUBENSKY, SCOTT, US
[72] DANIELS, DAVID WAYNE, US
[71] ORTHOPEDIATRICS CORP., US
[85] 2022-07-04
[86] 2021-01-28 (PCT/US2021/015576)
[87] (WO2021/155061)
[30] US (62/966,761) 2020-01-28

[21] **3,166,860**
[13] A1
[51] **Int.Cl. H01J 49/42 (2006.01) H01J 49/02 (2006.01)**
[25] EN
[54] **TIME-DOMAIN ANALYSIS OF SIGNALS FOR CHARGE DETECTION MASS SPECTROMETRY**
[54] **ANALYSE TEMPORELLE DE SIGNAUX POUR SPECTROMETRIE DE MASSE A DETECTION DE CHARGE**
[72] JARROLD, MARTIN F., US
[72] BOTAMANENKO, DANIEL, US
[71] THE TRUSTEES OF INDIANA UNIVERSITY, US
[85] 2022-07-04
[86] 2021-02-03 (PCT/US2021/016435)
[87] (WO2021/158676)
[30] US (62/969,325) 2020-02-03

[21] **3,166,863**
[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01) G06N 3/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISENTANGLING FEATURES SPECIFIC TO USERS, ACTIONS AND DEVICES RECORDED IN MOTION SENSOR DATA**
[54] **SYSTEME ET PROCEDE POUR DEGAGER DES CARACTERISTIQUES SPECIFIQUES A DES UTILISATEURS, A DES ACTIONS ET A DES DISPOSITIFS ENREGISTRES DANS DES DONNEES DE CAPTEUR DE MOUVEMENT**
[72] IONESCU, RADU TUDOR, GB
[72] RISTEA, NICOLAE-CATALIN, GB
[72] NOAICA, CRISTINA MADALINA, GB
[72] VLAD, RADU-MIHAI, GB
[72] DUMITRAN, IONUT, GB
[71] VERIDIUM IP LIMITED, GB
[85] 2022-07-05
[86] 2021-01-06 (PCT/IB2021/050077)
[87] (WO2021/140450)
[30] US (62/957,653) 2020-01-06

[21] **3,166,865**
[13] A1
[51] **Int.Cl. C40B 40/06 (2006.01) C07K 19/00 (2006.01) C40B 40/10 (2006.01)**
[25] EN
[54] **HALF-LIFE EXTENSION DRUG AND LIBRARY THEREOF, AND PREPARATION METHOD AND APPLICATION THEREOF**
[54] **MEDICAMENT ET SA BIBLIOTHEQUE D'EXTENSION DE DEMI-VIE, PROCEDE DE PREPARATION CORRESPONDANT ET UTILISATION ASSOCIEE**
[72] CHOU, JAMES JEIWEN, CN
[72] PAN, LIQIANG, CN
[72] RUN, CHANGQING, CN
[72] ZHOU, LIUJUAN, CN
[71] ASSEMBLY MEDICINE, LLC., CN
[85] 2022-04-29
[86] 2020-10-26 (PCT/CN2020/123685)
[87] (WO2021/083077)
[30] CN (201911038880.0) 2019-10-29

[21] **3,166,876**
[13] A1
[51] **Int.Cl. H01R 9/22 (2006.01) H01R 9/24 (2006.01) H01R 13/447 (2006.01)**
[25] EN
[54] **ELECTRICAL COVER FOR WIRED DEVICES**
[54] **COUVERCLE ELECTRIQUE DE DISPOSITIFS CABLES**
[72] COGLIATI, MICHAEL, US
[72] ERICKSON, BRADY R., US
[72] NETO, JEFFREY, US
[71] AMTROL LICENSING INC., US
[85] 2022-07-04
[86] 2021-02-19 (PCT/US2021/018682)
[87] (WO2021/173433)
[30] US (62/982,162) 2020-02-27

[21] **3,166,879**
[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01)**
[25] EN
[54] **EVALUATION OF DATA TO PROVIDE DECISION SUPPORT FOR A KETOGENIC LIFESTYLE**
[54] **EVALUATION DE DONNEES POUR FOURNIR UN SUPPORT DE DECISION POUR UN STYLE DE VIE CETOGENE**
[72] SELANDER, MARK EDWARD, US
[72] DIENER, ALEXANDER MICHAEL, US
[72] RUEHL, RYAN RICHARD, US
[72] HAMES, KAZANNA CALAIS, US
[72] KEMPKEY, MARK DOUGLAS, US
[72] PATTERSON, CHAD MICHAEL, US
[72] KAMATH, APURV ULLAS, US
[72] JOHNSON, MATTHEW LAWRENCE, US
[72] HALAC, JASON M., US
[72] PRICE, DAVID A., US
[72] SIMPSON, PETER C., US
[72] HEADEN, DEVON M., US
[72] EPSTEIN, SAMUEL ISAAC, US
[71] DEXCOM, INC., US
[85] 2022-07-04
[86] 2021-03-01 (PCT/US2021/020278)
[87] (WO2021/178307)
[30] US (62/984,238) 2020-03-02

[21] **3,166,884**
[13] A1
[51] **Int.Cl. C09D 109/00 (2006.01) C09D 7/45 (2018.01) C09D 7/00 (2018.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MAKING FIRE-RESISTANT EPDM RUBBER**
[54] **COMPOSITIONS ET PROCEDES DE FABRICATION DE CAOUTCHOUC EPDM IGNIFUGE**
[72] FOKKINGA, ONNO, NL
[71] CARLISLE CONSTRUCTION MATERIALS, LLC, US
[85] 2022-07-04
[86] 2021-03-11 (PCT/US2021/021872)
[87] (WO2021/183743)
[30] US (62/988,558) 2020-03-12

[21] **3,166,890**
[13] A1
[51] **Int.Cl. B64C 39/02 (2006.01) B64C 39/00 (2006.01) B64D 1/00 (2006.01) B64D 1/22 (2006.01) B64D 3/00 (2006.01) B66C 1/00 (2006.01) B66C 1/04 (2006.01)**
[25] EN
[54] **UNMANNED AIRCRAFT FOR SAFE AERIAL LIFTING**
[54] **AERONEF SANS PILOTE POUR DECOLLAGE AERIEN SANS DANGER**
[72] SINGER, SAMIA A., US
[71] SINGER, SAMIA A., US
[85] 2022-07-05
[86] 2020-02-07 (PCT/US2020/017230)
[87] (WO2020/163728)
[30] US (62/803,441) 2019-02-09

[21] **3,166,892**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) A61B 1/00 (2006.01) A61B 1/303 (2006.01) A61B 8/08 (2006.01) A61B 8/12 (2006.01) A61B 17/42 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR TRANS-VAGINAL, ULTRASOUND-GUIDED HYSTEROSCOPIC SURGICAL PROCEDURES**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES POUR DES INTERVENTIONS CHIRURGICALES HYSTEROSCOPIQUES TRANSVAGINALES, GUIDEES PAR ULTRASONS**
[72] BEGG, NIKOLAI D., US
[72] PICKERING, CHAD A., US
[72] QUEALY, LISA M., US
[72] WHISLER, JORDAN A., US
[71] COVIDIEN LP, US
[85] 2022-07-05
[86] 2020-12-09 (PCT/US2020/064108)
[87] (WO2021/141715)
[30] US (62/958,045) 2020-01-07

[21] **3,166,893**
[13] A1
[51] **Int.Cl. G01N 21/55 (2014.01) G01N 27/22 (2006.01)**
[25] EN
[54] **TIME-DOMAIN REFLECTOMETRY MATRIX SUCTION SENSOR**
[54] **DETECTEUR DE POTENTIEL DE SUCCION PAR REFLECTOMETRIE DE DOMAINE TEMPOREL (RDT)**
[72] SKALING, WHITNEY, US
[71] SKALING, WHITNEY, US
[85] 2022-07-05
[86] 2020-12-21 (PCT/US2020/066363)
[87] (WO2021/154424)
[30] US (16/776,342) 2020-01-29

[21] **3,166,894**
[13] A1
[51] **Int.Cl. A61F 2/00 (2006.01)**
[25] EN
[54] **PATIENT-SPECIFIC MEDICAL PROCEDURES AND DEVICES, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **DISPOSITIFS ET PROCEDURES MEDICALES SPECIFIQUES A UN PATIENT, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] CASEY, NIALL PATRICK, US
[72] CORDONNIER, MICHAEL J., US
[72] ESTERBERG, JUSTIN, US
[72] ROH, JEFFREY, US
[71] CARLSMED, INC., US
[85] 2022-07-05
[86] 2021-01-04 (PCT/US2021/012065)
[87] (WO2021/141849)
[30] US (16/735,222) 2020-01-06
[30] US (17/124,822) 2020-12-17

[21] **3,166,898**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/00 (2006.01) C12N 15/13 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTI-TNFR2 ANTIBODY AND USES THEREOF**
[54] **ANTICORPS ANTI-TNFR2 ET SES UTILISATIONS**
[72] WEI, SHUO, US
[72] SCHWEIZER, LIANG, US
[72] ADRIAN, FRANCISCO, US
[72] BELTRAMINELLI, NICOLA ARTURO ALDO, US
[72] MARY, PASCALINE, US
[72] DELINCE, MATTHIEU, US
[72] ZHANG, QIAN, US
[72] WATKINS, JENNIFER, US
[71] HIFIBIO (HK) LIMITED, CN
[85] 2022-07-05
[86] 2021-01-05 (PCT/US2021/012197)
[87] (WO2021/141907)
[30] US (62/957,543) 2020-01-06
[30] US (63/041,234) 2020-06-19

[21] **3,166,903**
[13] A1
[51] **Int.Cl. A45D 40/26 (2006.01) A45D 34/04 (2006.01) A61K 8/02 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **METHOD, AND SYSTEM FOR MULTI-LAYER COSMETIC PADS AND USE THEREOF**
[54] **PROCEDE ET SYSTEME DE TAMPONS COSMETIQUES MULTICOUCHES ET UTILISATION ASSOCIEE**
[72] MOHAMMADI, FATEMEH, US
[72] MOU, TSUNG-WEI ROBERT, US
[72] MARTINS, AGOSTINHO, US
[72] QU, LISA, US
[71] ELC MANAGEMENT LLC, US
[85] 2022-07-05
[86] 2021-01-06 (PCT/US2021/012227)
[87] (WO2021/141926)
[30] US (62/958,194) 2020-01-07

[21] **3,166,905**
[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01) H02J 7/00 (2006.01) H02J 9/06 (2006.01)**
[25] EN
[54] **DOOR SYSTEM WITH INTEGRATED ELECTRIC DEVICES**
[54] **SYSTEME DE PORTE AVEC DISPOSITIFS ELECTRIQUES INTEGRES**
[72] SORICE, CORY J., US
[72] SWARTZMILLER, STEVEN B., US
[72] BODURKA, ALEX, US
[71] MASONITE CORPORATION, US
[85] 2022-07-05
[86] 2021-01-06 (PCT/US2021/012289)
[87] (WO2021/141975)
[30] US (62/957,418) 2020-01-06
[30] US (63/064,056) 2020-08-11
[30] US (63/087,528) 2020-10-05

[21] **3,166,915**
[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01)**
[25] EN
[54] **DEANONYMIZATION METHOD AND SYSTEM USING BLOCKCHAIN-BASED AND SECRET SHARING TECHNOLOGIES**
[54] **PROCEDE ET SYSTEME DE DESANONYMISATION PAR COMBINAISON DE CHAINE DE BLOCS ET DE PARTAGE DE SECRETS**
[72] SONG, MOFEI, CN
[72] XU, ZHIJUAN, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-07-05
[86] 2019-09-18 (PCT/CN2019/106516)
[87] (WO2020/143246)
[30] CN (201910012285.3) 2019-01-07

[21] **3,166,918**
[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 9/14 (2006.01) A61K 9/19 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **POLYMER EXCIPIENTS FOR DRUG DELIVERY APPLICATIONS**
[54] **EXCIPIENTS POLYMERES POUR DES APPLICATIONS D'ADMINISTRATION DE MEDICAMENT**
[72] SILL, KEVIN N., US
[72] SULLIVAN, BROADFORD T., US
[71] TYNDALL FORMULATION SERVICES, LLC, US
[85] 2022-07-05
[86] 2020-01-10 (PCT/US2020/013166)
[87] (WO2021/141603)

[21] **3,166,919**
[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01) H02J 7/00 (2006.01) H02J 9/06 (2006.01)**
[25] EN
[54] **POWER MANAGEMENT FOR DOOR SYSTEM WITH HIGH AND LOW VOLTAGE ELECTRICAL POWER SUPPLIES FOR INTEGRATED ELECTRIC DEVICES AND METHODS OF OPERATION**
[54] **GESTION DE PUISSANCE POUR SYSTEME DE PORTE AVEC ALIMENTATIONS ELECTRIQUES HAUTE ET BASSE TENSION DESTINEE A DES DISPOSITIFS ELECTRIQUES INTEGRES ET PROCEDES DE FONCTIONNEMENT**
[72] SORICE, CORY J., US
[72] SWARTZMILLER, STEVEN B., US
[72] BODURKA, ALEX, US
[71] MASONITE CORPORATION, US
[85] 2022-07-05
[86] 2021-01-06 (PCT/US2021/012326)
[87] (WO2021/142000)
[30] US (62/957,415) 2020-01-06
[30] US (63/064,053) 2020-08-11
[30] US (63/087,526) 2020-10-05

[21] **3,166,921**
[13] A1
[51] **Int.Cl. B01D 35/02 (2006.01) C02F 1/28 (2006.01) C02F 1/38 (2006.01) C02F 1/42 (2006.01) C02F 1/46 (2006.01) C02F 1/52 (2006.01) C02F 1/62 (2006.01) C02F 1/66 (2006.01)**
[25] EN
[54] **PROCESS FOR SEPARATING UNDESIRABLE METALS**
[54] **PROCEDE DE SEPARATION DE METAUX INDESIRABLES**
[72] SNYDACKER, DAVID HENRY, US
[71] LILAC SOLUTIONS, INC., US
[85] 2022-07-05
[86] 2021-01-07 (PCT/US2021/012534)
[87] (WO2021/142147)
[30] US (62/959,078) 2020-01-09

[21] **3,166,926**
[13] A1
[51] **Int.Cl. A61M 39/16 (2006.01) A61M 5/00 (2006.01) A61M 39/20 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL CAP FOR LUER CONNECTOR**
[54] **BOUCHON ANTIMICROBIEN POUR RACCORD LUER**
[72] ZIEBOL, ROBERT J., US
[72] BEILKE, MATTHEW DAVID, US
[71] ICU MEDICAL, INC., US
[85] 2022-07-05
[86] 2021-01-06 (PCT/US2021/012370)
[87] (WO2021/142031)
[30] US (62/957,708) 2020-01-06

[21] **3,166,928**
[13] A1
[51] **Int.Cl. A61K 31/485 (2006.01) A61K 9/20 (2006.01) A61K 9/24 (2006.01)**
[25] EN
[54] **METHODS OF ADMINISTERING NALBUPHINE**
[54] **METHODES D'ADMINISTRATION DE NALBUPHINE**
[72] SCIASCIA, THOMAS, US
[72] ROHATAGI, SHASHANK, US
[71] TREVI THERAPEUTICS, INC., US
[85] 2022-07-05
[86] 2021-01-08 (PCT/US2021/012734)
[87] (WO2021/142288)
[30] US (62/959,701) 2020-01-10
[30] US (63/014,306) 2020-04-23

[21] **3,166,938**
[13] A1
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/135 (2006.01) A61K 31/137 (2006.01) A61K 31/138 (2006.01) A61K 31/357 (2006.01) A61K 31/4178 (2006.01) A61K 31/4458 (2006.01) A61P 1/16 (2006.01) A61P 17/16 (2006.01) A61P 17/18 (2006.01)**
[25] EN
[54] **METHODS OF TREATING ERYTHROPOIETIC PROTOPORPHYRIA, X-LINKED PROTOPORPHYRIA, OR CONGENITAL ERYTHROPOIETIC PORPHYRIA WITH GLYCINE TRANSPORT INHIBITORS**
[54] **METHODES DE TRAITEMENT DE PROTOPORPHYRIE ERYTHROPOIETIQUE, DE PROTOPORPHYRIE LIEE A X OU DE PORPHYRIE ERYTHROPOIETIQUE CONGENITALE AVEC DES INHIBITEURS DE TRANSPORT DE GLYCINE**
[72] MACDONALD, BRIAN RICHARD, US
[72] BECONI, MARIA GABRIELA, US
[72] HONG, VU, US
[71] DISC MEDICINE, INC., US
[85] 2022-07-05
[86] 2021-01-08 (PCT/US2021/012786)
[87] (WO2021/142329)
[30] US (62/958,892) 2020-01-09
[30] US (63/085,942) 2020-09-30

[21] **3,166,947**
[13] A1
[51] **Int.Cl. A61F 2/01 (2006.01)**
[25] EN
[54] **FILTER FOR DEPLOYMENT SYSTEM**
[54] **FILTRE POUR SYSTEME DE DEPLOIEMENT**
[72] LEE, JEONG SOO, US
[72] REICH, TAL, IL
[72] GOLDBERG, ERAN, IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-07-05
[86] 2021-01-13 (PCT/US2021/013170)
[87] (WO2021/146232)
[30] US (62/962,386) 2020-01-17

[21] **3,166,980**
[13] A1
[51] **Int.Cl. A61K 31/4025 (2006.01) A61K 31/404 (2006.01) A61K 31/407 (2006.01) A61K 31/427 (2006.01) A61K 31/433 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **EPIDERMAL GROWTH FACTOR RECEPTOR TYROSINE KINASE INHIBITORS FOR THE TREATMENT OF CANCER**
[54] **INHIBITEURS DE TYROSINE KINASE DU RECEPTEUR DU FACTEUR DE CROISSANCE EPIDERMIQUE POUR LE TRAITEMENT DU CANCER**
[72] FLOCH, NICOLAS, GB
[72] SMITH, PAUL DAVID, GB
[72] MARTIN, MATTHEW JOSEPH, GB
[71] ASTRAZENECA AB, SE
[85] 2022-07-06
[86] 2021-01-19 (PCT/EP2021/051054)
[87] (WO2021/148396)
[30] US (62/963,213) 2020-01-20

[21] **3,166,981**
[13] A1
[51] **Int.Cl. G06F 21/45 (2013.01)**
[25] EN
[54] **PERMISSION ABNORMALITY DETECTION METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE DETECTION D'ANOMALIE D'AUTORISATION, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] LI, BOQUN, CN
[72] XU, HANG, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-07-05
[86] 2020-07-30 (PCT/CN2020/105999)
[87] (WO2021/139139)
[30] CN (202010017976.5) 2020-01-08

[21] **3,166,982**
[13] A1
[51] **Int.Cl. A41D 13/015 (2006.01) A42B 1/019 (2021.01) A41D 20/00 (2006.01) A42B 1/08 (2006.01) A42B 3/00 (2006.01) A42B 3/12 (2006.01)**
[25] EN
[54] **SHOCK-ABSORBING MATERIAL**
[54] **MATERIAU ABSORBANT LES CHOCS**
[72] VON HOLST, HANS, SE
[71] CENESY AB, SE
[85] 2022-07-06
[86] 2021-02-19 (PCT/EP2021/054198)
[87] (WO2021/165492)
[30] SE (2050195-3) 2020-02-21
[30] SE (2050196-1) 2020-02-21

[21] **3,166,983**
[13] A1
[51] **Int.Cl. A23L 5/00 (2016.01) A23C 9/18 (2006.01)**
[25] EN
[54] **SOLID FOOD, COMPRESSION MOLDED BODY OF FOOD POWDER, SOLID MILK, AND COMPRESSION MOLDED BODY OF POWDERED MILK**
[54] **ALIMENT SOLIDE, ARTICLE MOULE PAR COMPRESSION DE POUDRE ALIMENTAIRE, LAIT SOLIDE ET ARTICLE MOULE PAR COMPRESSION DE LAIT EN POUDRE**
[72] HANYU, KEIGO, JP
[72] KAMIYA, TETSU, JP
[72] YAMAMURA, KOJI, JP
[72] OGIWARA, JIN, JP
[71] MEIJI CO., LTD., JP
[85] 2022-07-05
[86] 2020-09-03 (PCT/JP2020/033500)
[87] (WO2021/140700)
[30] JP (2020-000569) 2020-01-06

[21] **3,166,984**
[13] A1
[51] **Int.Cl. B65D 65/46 (2006.01) C08J 5/18 (2006.01) C08K 5/053 (2006.01) C08L 29/04 (2006.01)**
[25] EN
[54] **WATER-SOLUBLE FILM, AND CHEMICAL AGENTS-ENCLOSING PACKAGING CAPSULE MATERIAL**
[54] **FILM HYDROSOLUBLE, ET MATERIAU DE CAPSULE D'ENVELOPPE POUR ENCAPSULATION D'AGENT CHIMIQUE POSSEDANT CELUI-CI**
[72] SHIGEMASA, MIZUKI, JP
[72] MURAMATSU, RYO, JP
[72] OHSAWA, HIROKAZU, JP
[71] AICELLO CORPORATION, JP
[85] 2022-07-05
[86] 2020-09-11 (PCT/JP2020/034550)
[87] (WO2021/145021)
[30] JP (2020-004023) 2020-01-14

[21] **3,166,985**
[13] A1
[51] **Int.Cl. C09D 7/63 (2018.01) C09D 105/04 (2006.01) A22C 13/00 (2006.01)**
[25] EN
[54] **ALGINATE COMPOSITION FOR FOOD PRODUCTS, METHOD FOR ITS PRODUCTION AND PROCESS FOR PRODUCING COATED FOOD PRODUCTS**
[54] **COMPOSITION D'ALGINATE POUR PRODUITS ALIMENTAIRES, SON PROCEDE DE PRODUCTION ET PROCEDE DE PRODUCTION DE PRODUITS ALIMENTAIRES REVETUS**
[72] PILLAY, ADUSHAN, ZA
[72] GOORHUIS, JOHANNES GERHARDUS MARIA, NL
[71] FREDDY HIRSCH GROUP AG, CH
[85] 2022-07-06
[86] 2021-02-23 (PCT/IB2021/051512)
[87] (WO2021/214561)
[30] GB (2005886.3) 2020-04-22

[21] **3,166,986**
[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/496 (2006.01) A61K 31/4985 (2006.01) A61K 31/50 (2006.01) A61K 31/501 (2006.01) A61K 31/5025 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61K 31/538 (2006.01) A61K 31/5386 (2006.01) A61K 31/55 (2006.01) A61K 31/551 (2006.01) A61K 45/00 (2006.01) A61P 21/02 (2006.01) A61P 21/04 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 43/00 (2006.01) C07D 237/14 (2006.01) C07D 237/22 (2006.01) C07D 401/04 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/06 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 405/04 (2006.01) C07D 405/06 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/06 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 471/08 (2006.01) C07D 487/04 (2006.01) C07D 487/10 (2006.01) C07D 491/048 (2006.01) C07D 491/08 (2006.01) C07D 491/107 (2006.01) C07D 513/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENT FOR TAUOPATHIES**
[54] **AGENT THERAPEUTIQUE POUR TAUOPATHIES**
[72] SAMPEI, KAZUAKI, JP
[72] ISHIYAMA, TAKEO, JP
[72] IKEDA, ATSUSHI, JP
[72] ISHIKAWA, TAIZO, JP
[72] HIGUCHI, MAKOTO, JP
[72] TAKUWA, HIROYUKI, JP
[72] TAKADO, YUHEI, JP
[71] SUMITOMO PHARMA CO., LTD., JP
[85] 2022-07-05
[86] 2021-01-06 (PCT/JP2021/000184)
[87] (WO2021/141041)
[30] JP (2020-001010) 2020-01-07
[30] JP (2020-094656) 2020-05-29

[21] **3,166,987**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) C12N 7/00 (2006.01) C12N 15/85 (2006.01) C12N 15/86 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **SYNTHETIC ADENO-ASSOCIATED VIRUS INVERTED TERMINAL REPEATS AND METHODS OF THEIR USE AS PROMOTERS**
[54] **REPETITIONS TERMINALES INVERSEES DE VIRUS ADENO-ASSOCIES SYNTHETIQUES ET LEURS PROCEDES D'UTILISATION EN TANT QUE PROMOTEURS**
[72] SAMULSKI, RICHARD JUDE, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2022-07-05
[86] 2021-01-07 (PCT/US2021/012514)
[87] (WO2021/142130)
[30] US (62/957,882) 2020-01-07

[21] **3,166,988**
[13] A1
[51] **Int.Cl. H04N 13/254 (2018.01) H04N 13/271 (2018.01) H04N 13/293 (2018.01)**
[25] EN
[54] **INFORMATION PROCESSING APPARATUS AND METHOD OF PROCESSING INFORMATION**
[54] **APPAREIL DE TRAITEMENT D'INFORMATIONS ET PROCEDE DE TRAITEMENT D'INFORMATIONS**
[72] SHIMIZU, KANTA, JP
[71] RICOH COMPANY, LTD., JP
[85] 2022-07-06
[86] 2021-02-10 (PCT/IB2021/051052)
[87] (WO2021/191694)
[30] JP (2020-050539) 2020-03-23
[30] JP (2020-050608) 2020-03-23

[21] **3,166,989**
[13] A1
[51] **Int.Cl. A61K 39/235 (2006.01) C07K 14/02 (2006.01) C07K 14/035 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **ADENOVIRAL VECTORS ENCODING HEPATITIS B VIRAL ANTIGENS FUSED TO HERPES VIRUS GLYCOPROTEIN D AND METHODS OF USING THE SAME**
[54] **VECTEURS ADENOVIRAUX CODANT POUR DES ANTIGENES VIRAUX DE L'HEPATITE B FUSIONNES A LA GLYCOPROTEINE D DU VIRUS DE L'HERPES ET LEURS PROCEDES D'UTILISATION**
[72] ERTL, HILDEGUND CJ, US
[72] MAGOWAN, COLIN STEPHEN, US
[71] VIRION THERAPEUTICS, LLC, US
[71] THE WISTAR INSTITUTE, US
[85] 2022-07-05
[86] 2021-01-08 (PCT/US2021/012630)
[87] (WO2021/142212)
[30] US (62/958,809) 2020-01-09
[30] US (62/958,827) 2020-01-09
[30] US (62/967,104) 2020-01-29
[30] US (62/967,242) 2020-01-29
[30] US (63/064,506) 2020-08-12
[30] US (63/064,571) 2020-08-12
[30] US (63/112,202) 2020-11-11
[30] US (63/112,219) 2020-11-11

[21] **3,166,990**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01) A61M 25/01 (2006.01)**
[25] EN
[54] **INTRODUCER SHEATH WITH CAMMING TIP**
[54] **GAINE D'INTRODUCTION AVEC POINTE DE CAME**
[72] CUMMINGS, BRENDAN CHRISTOPHER, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-07-05
[86] 2021-01-08 (PCT/US2021/012670)
[87] (WO2021/146110)
[30] US (62/961,913) 2020-01-16

[21] **3,166,992**
[13] A1
[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/24 (2006.01) A61M 25/01 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **DEFLECTABLE SHAFTS FOR DELIVERY SYSTEMS**
[54] **ARBRES POUVANT ETRE DEVIES POUR SYSTEMES DE DISTRIBUTION**
[72] SALEH, NASSER WILLIAM, US
[72] MANZELLA, SALVATORE, JR., US
[72] VALENCIA, SALOMON XAVIER, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-07-05
[86] 2021-01-12 (PCT/US2021/013082)
[87] (WO2021/146194)
[30] US (62/962,026) 2020-01-16

[21] **3,166,994**
[13] A1
[51] **Int.Cl. A61F 2/962 (2013.01) A61F 2/24 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FLUID CONTROL**
[54] **SYSTEMES ET METHODES DE CONTROLE DE FLUIDE**
[72] LE, TUNG T., US
[72] TRAN, SONNY, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-07-05
[86] 2021-01-12 (PCT/US2021/013092)
[87] (WO2021/146198)
[30] US (62/961,845) 2020-01-16

[21] **3,166,995**
[13] A1
[51] **Int.Cl. B63H 9/061 (2020.01) B63H 9/065 (2020.01)**
[25] FR
[54] **CAMBERING DEVICE FOR PROFILED SAIL**
[54] **DISPOSITIF CAMBREUR POUR VOILE PROFILEE**
[72] DE TURCKHEIM, HUGUES, FR
[71] MARCOVICH, PHILIPPE, FR
[71] DE TURCKHEIM, HUGUES, FR
[85] 2022-07-06
[86] 2021-01-06 (PCT/FR2021/050013)
[87] (WO2021/148734)
[30] FR (20 00594) 2020-01-22

[21] **3,166,996**
[13] A1
[51] **Int.Cl. A47B 88/403 (2017.01) A47B 88/50 (2017.01) E05B 65/46 (2017.01)**
[25] EN
[54] **DRAWER SLIDE LATCHING**
[54] **VERROUILLAGE DE GLISSIERE**
[72] MILLIGAN, CHUCK, US
[72] MINEAR, TALIA, US
[71] ACCURIDE INTERNATIONAL INC., US
[85] 2022-07-05
[86] 2021-01-13 (PCT/US2021/013323)
[87] (WO2021/146348)
[30] US (62/960,491) 2020-01-13

[21] **3,166,997**
[13] A1
[51] **Int.Cl. A47B 88/403 (2017.01) A47B 88/50 (2017.01) E05B 65/46 (2017.01)**
[25] EN
[54] **ROTATIONAL BAR FOR DRAWER SLIDE LATCH OPERATION**
[54] **BARRE ROTATIVE POUR OPERATION DE VERROUILLAGE DE COULISSE DE TIROIR**
[72] MILLIGAN, CHUCK, US
[72] MINEAR, TALIA, US
[71] ACCURIDE INTERNATIONAL INC., US
[85] 2022-07-05
[86] 2021-01-13 (PCT/US2021/013331)
[87] (WO2021/146355)
[30] US (62/960,486) 2020-01-13

[21] **3,166,998**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 47/62 (2017.01) A61P 9/10 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/16 (2006.01)**
[25] EN
[54] **PLASMIN-RESISTANT PEPTIDES FOR TREATING STROKE AND RELATED CONDITIONS**
[54] **PEPTIDES RESISTANTS A LA PLASMINE DESTINES AU TRAITEMENT DE L'ACCIDENT VASCULAIRE CEREBRAL ET D'AFFECTIONS ASSOCIEES**
[72] TYMIANSKI, MICHAEL, CA
[72] GARMAN, JONATHAN DAVID, CA
[72] MAYOR, DIANA, CA
[71] NONO INC., CA
[85] 2022-07-06
[86] 2021-01-08 (PCT/IB2021/050135)
[87] (WO2021/140485)
[30] US (62/959,091) 2020-01-09

[21] **3,167,000**
[13] A1
[51] **Int.Cl. H01M 10/0562 (2010.01) B32B 18/00 (2006.01) C04B 35/486 (2006.01) C04B 35/632 (2006.01) C04B 35/634 (2006.01) C04B 35/638 (2006.01) C04B 35/64 (2006.01)**
[25] EN
[54] **HIGH GREEN DENSITY CERAMICS FOR BATTERY**
[54] **CERAMIQUES A MASSE VOLUMIQUE A CRU ELEVEE POUR BATTERIE**
[72] VAN BERKEL, KIM, US
[72] JEFFRIES, PATRICK, US
[71] QUANTUMSCAPE BATTERY, INC., US
[85] 2022-07-05
[86] 2021-01-15 (PCT/US2021/013742)
[87] (WO2021/146633)
[30] US (62/961,611) 2020-01-15

[21] **3,167,002**
[13] A1
[51] **Int.Cl. A61K 35/768 (2015.01) A61K 38/20 (2006.01) C12N 15/863 (2006.01)**
[25] EN
[54] **RECOMBINANT VACCINIA VIRUS**
[54] **VIRUS DE LA VACCINE RECOMBINANT**
[72] BINDER, JOSEPH JOHN, US
[72] EISENBRAUN, MICHAEL DALE, US
[72] HANAHAN, DOUGLAS, US
[72] KIRN, DAVID H., US
[72] LEES, CLARE, US
[72] LIMSIRICHAI, PRAJIT, US
[72] MARURI AVIDAL, LILIANA, US
[71] PFIZER INC., US
[85] 2022-07-06
[86] 2021-01-05 (PCT/IB2021/050040)
[87] (WO2021/140435)
[30] US (62/959,083) 2020-01-09

[21] **3,167,004**
[13] A1
[51] **Int.Cl. C21D 8/02 (2006.01) B21D 22/02 (2006.01)**
[25] EN
[54] **A PRESS HARDENING METHOD**
[54] **PROCEDE D'EMBOUTISSAGE A CHAUD**
[72] GRIGORIEVA, RAISA, FR
[72] DUMINICA, FLORIN, BE
[72] NABI, BRAHIM, BE
[72] DRILLET, PASCAL, FR
[72] STUREL, THIERRY, FR
[71] ARCELORMITTAL, LU
[85] 2022-07-06
[86] 2020-10-20 (PCT/IB2020/059838)
[87] (WO2021/084377)
[30] IB (PCT/IB2019/059286) 2019-10-30

[21] **3,167,007**
[13] A1
[51] **Int.Cl. A41C 3/00 (2006.01) A41C 5/00 (2006.01)**
[25] EN
[54] **QUICK-DRYING, LIGHTWEIGHT BRA**
[54] **SOUTIEN-GORGE LEGER ET A SECHAGE RAPIDE**
[72] RENDONE, NICOLE, US
[71] NIKE INNOVATE C.V., US
[85] 2022-07-05
[86] 2021-01-21 (PCT/US2021/014279)
[87] (WO2021/150656)
[30] US (62/963,809) 2020-01-21
[30] US (17/152,206) 2021-01-19

[21] **3,167,008**
[13] A1
[51] **Int.Cl. G06F 21/53 (2013.01) G06F 21/78 (2013.01) G06F 16/14 (2019.01) G06F 16/188 (2019.01) G06F 9/455 (2018.01)**
[25] EN
[54] **EFFICIENTLY PROVIDING A GUEST CONTEXT ACCESS TO FILE CONTENT AT A HOST CONTEXT**
[54] **FOURNITURE EFFICACE D'UN ACCES AU CONTEXTE D'INVITE A UN CONTENU DE FICHIER AU NIVEAU D'UN CONTEXTE D'HOTE**
[72] XIE, PING, US
[72] BRENDER, SCOTT, US
[72] CHAGANI, SHAHEED GULAMABBAS, US
[72] STARKS, JOHN ANDREW, US
[72] KISHAN, ARUN U., US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2022-07-05
[86] 2021-01-27 (PCT/US2021/015297)
[87] (WO2021/154859)
[30] LU (LU101621) 2020-01-30

[21] **3,167,009**
[13] A1
[51] **Int.Cl. H01R 31/06 (2006.01) H01R 13/6581 (2011.01) H01R 11/03 (2006.01) H01R 13/04 (2006.01) H01R 13/24 (2006.01) H01R 13/502 (2006.01) H01R 13/629 (2006.01) H01R 13/64 (2006.01) H01R 27/02 (2006.01)**
[25] EN
[54] **MULTIPLE CONNECTOR ASSEMBLY**
[54] **ENSEMBLE CONNECTEUR MULTIPLE**
[72] BUNKE, CARL RODNEY, US
[71] ITT MANUFACTURING ENTERPRISES LLC, US
[85] 2022-07-06
[86] 2020-02-10 (PCT/US2020/017419)
[87] (WO2021/162672)

[21] **3,167,010**
[13] A1
[51] **Int.Cl. A47F 3/04 (2006.01) F25D 19/02 (2006.01) F25D 19/04 (2006.01) F25D 21/00 (2006.01) F25D 29/00 (2006.01)**
[25] EN
[54] **FIELD-INSTALLABLE REFRIGERATED CABINET KIT, REFRIGERATED MERCHANDISER, AND METHODS OF USE**
[54] **KIT D'ARMOIRE REFRIGEREE POUVANT ETRE INSTALLE SUR SITE, PRESENTOIR REFRIGERE ET PROCEDES D'UTILISATION**
[72] FRIEND, JOHN, US
[72] FONTECCHIO, JOSEPH, US
[72] PIZZI, CHRISTIAN, US
[72] PESTKA, DANIEL, US
[71] TRUE MANUFACTURING COMPANY, INC., US
[85] 2022-07-05
[86] 2021-09-23 (PCT/US2021/051785)
[87] (WO2022/066935)
[30] US (63/082,805) 2020-09-24
[30] US (17/481,747) 2021-09-22

[21] **3,167,011**
[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/14 (2006.01) E21B 43/12 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **DOWNHOLE ZONAL ISOLATION ASSEMBLY**
[54] **ENSEMBLE D'ISOLATION ZONALE DE FOND DE TROU**
[72] FRIPP, MICHAEL LINLEY, US
[72] ORNELAZ, RICHARD DECENA, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-07-06
[86] 2020-02-28 (PCT/US2020/020379)
[87] (WO2021/173155)

[21] **3,167,012**
[13] A1
[51] **Int.Cl. C10G 1/00 (2006.01) B09B 3/00 (2022.01) C02F 11/00 (2006.01) C10L 9/08 (2006.01)**
[25] EN
[54] **HYDROTHERMAL LIQUEFACTION SYSTEM**
[54] **SYSTEME DE LIQUEFACTION HYDROTHERMIQUE**
[72] THORSON, MICHAEL R., US
[72] SNOWDEN-SWAN, LESLEY J., US
[72] SCHMIDT, ANDREW J., US
[72] HART, TODD R., US
[72] BILLING, JUSTIN M., US
[72] ANDERSON, DANIEL B., US
[72] HALLEN, RICHARD T., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2022-07-06
[86] 2021-01-04 (PCT/US2021/012111)
[87] (WO2021/141866)
[30] US (16/740,339) 2020-01-10

[21] **3,167,014**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **NOVEL DOMINANT NEGATIVE FAS POLYPEPTIDES, CELLS COMPRISING THEREOF AND USES THEREOF**
[54] **NOUVEAUX POLYPEPTIDES FAS DOMINANTS NEGATIFS, CELLULES LES COMPRENANT ET LEURS UTILISATIONS**
[72] KLEBANOFF, CHRISTOPHER A., US
[72] YI, FEI, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[85] 2022-07-06
[86] 2021-01-06 (PCT/US2021/012306)
[87] (WO2021/141985)
[30] US (62/957,608) 2020-01-06

[21] **3,167,017**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/60 (2017.01) A61K 38/12 (2006.01) A61P 7/00 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **TREATMENT OF PAROXYSMAL NOCTURNAL HEMOGLOBINURIA**
[54] **TRAITEMENT DE L'HEMOGLOBINURIE PAROXYSTIQUE NOCTURNE**
[72] DESCHATELETS, PASCAL, US
[72] FRANCOIS, CEDRIC, US
[72] GROSSI, FEDERICO, US
[72] MORRISS, SHARON, US
[72] TAN, ELIZABETH F., US
[71] APELLIS PHARMACEUTICALS, INC., US
[85] 2022-07-06
[86] 2021-01-07 (PCT/US2021/012561)
[87] (WO2021/142171)
[30] US (62/958,265) 2020-01-07
[30] US (62/961,032) 2020-01-14
[30] US (63/038,607) 2020-06-12
[30] US (63/080,648) 2020-09-18
[30] US (63/124,006) 2020-12-10

[21] **3,167,019**
[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **DIGITAL-TO-ANALOG CONVERTER CIRCUITRY FOR A STIMULATOR DEVICE HAVING NON-LINEAR AMPLITUDE ADJUSTMENT**
[54] **CIRCUIT CONVERTISSEUR NUMERIQUE-ANALOGIQUE POUR UN DISPOSITIF DE STIMULATION AYANT UN REGLAGE D'AMPLITUDE NON LINEAIRE**
[72] MARNFELDT, GORAN N., US
[71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
[85] 2022-07-06
[86] 2021-02-25 (PCT/US2021/019641)
[87] (WO2021/178207)
[30] US (62/984,587) 2020-03-03

[21] **3,167,020**
[13] A1
[51] **Int.Cl. B65D 25/04 (2006.01) A61L 2/00 (2006.01) A61M 5/00 (2006.01)**
[25] EN
[54] **CONTAINERS AND SYSTEMS FOR USE DURING EXTERNAL STERILIZATION OF DRUG DELIVERY DEVICES**
[54] **RECIPIENTS ET SYSTEMES DESTINES A ETRE UTILISES PENDANT LA STERILISATION EXTERNE DE DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT**
[72] BITONG, ANTHONY, US
[72] LIU, JESSICA, US
[72] DUE, MADS SCHJOTH, US
[72] MISMAR, WAEL, US
[72] PAYNE, GREG, US
[71] AMGEN INC., US
[85] 2022-07-06
[86] 2021-02-24 (PCT/US2021/019317)
[87] (WO2021/173603)
[30] US (62/980,898) 2020-02-24

[21] **3,167,023**
[13] A1
[51] **Int.Cl. A61K 31/424 (2006.01) A61K 31/4439 (2006.01) A61K 31/506 (2006.01) A61K 31/5365 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 498/04 (2006.01) C07D 498/10 (2006.01)**
[25] EN
[54] **SULFONIMIDAMIDE COMPOUNDS AS NLRP3 MODULATORS**
[54] **COMPOSES DE SULFONIMIDAMIDE EN TANT QUE MODULATEURS DE NLRP3**
[72] GIBBONS, PAUL, US
[72] LAI, KWONG WAH, CN
[72] NILEWSKI, CHRISTIAN, US
[72] PASTOR, RICHARD M., US
[72] STABEN, STEVEN THOMAS, US
[72] STIVALA, CRAIG, US
[72] ZHU, BING-YAN, US
[72] CHEN, HUIFEN, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-07-06
[86] 2021-01-20 (PCT/US2021/014133)
[87] (WO2021/150574)
[30] US (62/964,421) 2020-01-22
[30] CN (PCT/CN2020/116643) 2020-09-22
[30] CN (PCT/CN2020/129225) 2020-11-17

[21] **3,167,029**
[13] A1
[51] **Int.Cl. A61M 25/09 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR POSITIONING A GUIDEWIRE**
[54] **DISPOSITIFS ET PROCEDES DE POSITIONNEMENT D'UN FIL-GUIDE**
[72] KOTMEL, ROB, US
[71] ANCORA HEART, INC., US
[85] 2022-07-06
[86] 2021-01-14 (PCT/US2021/013485)
[87] (WO2021/146460)
[30] US (62/961,440) 2020-01-15

[21] **3,167,036**
[13] A1
[51] **Int.Cl. F25B 43/00 (2006.01) F24F 1/48 (2011.01) F25B 41/40 (2021.01)**
[25] EN
[54] **HEATING, VENTILATION, AND AIR-CONDITIONING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE CHAUFFAGE, DE VENTILATION ET DE CLIMATISATION**
[72] TARAS, MICHAEL F., US
[71] GOODMAN GLOBAL GROUP, INC., US
[85] 2022-07-06
[86] 2021-01-14 (PCT/US2021/013346)
[87] (WO2021/146364)
[30] US (16/742,351) 2020-01-14

[21] **3,167,053**
[13] A1
[51] **Int.Cl. B22D 19/02 (2006.01) B22D 19/14 (2006.01) C22C 1/10 (2006.01) C22C 29/02 (2006.01) C22C 47/08 (2006.01) C22C 49/14 (2006.01)**
[25] EN
[54] **WEAR RESISTANT COMPOSITE**
[54] **COMPOSITE RESISTANT A L'USURE**
[72] LARSSON, OSKAR, SE
[72] EDERYD, STEFAN, SE
[71] CONV AUSTRALIA HOLDING PTY LTD, AU
[85] 2022-07-06
[86] 2020-12-08 (PCT/AU2020/051336)
[87] (WO2021/184057)
[30] AU (2020900828) 2020-03-18

[21] **3,167,059**
[13] A1
[51] **Int.Cl. H01L 27/18 (2006.01) H01L 39/22 (2006.01) H03B 15/00 (2006.01) H03K 19/195 (2006.01)**
[25] EN
[54] **SELF-RESETTING SINGLE FLUX-QUANTUM MICROWAVE PHOTODETECTOR**
[54] **PHOTODETECTEUR A MICRO-ONDES QUANTIQUES A FLUX UNIQUE A REINITIALISATION AUTOMATIQUE**
[72] GOVENIUS, JOONAS, FI
[72] HASSEL, JUHA, FI
[71] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, FI
[85] 2022-07-06
[86] 2021-01-25 (PCT/FI2021/050046)
[87] (WO2021/156538)
[30] FI (20205115) 2020-02-04

[21] **3,167,061**
[13] A1
[51] **Int.Cl. A61K 8/9789 (2017.01) A61K 8/92 (2006.01) A61K 9/06 (2006.01) A61K 31/16 (2006.01) A61P 3/04 (2006.01) A61P 43/00 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS COMPRISING SANSHOOL AS LIP INTERACTING COMPONENTS**
[54] **COMPOSITIONS ET PROCEDES COMPRENANT DES SANSHOOLS COMME CONSTITUANTS INTERAGISSANT SUR LES LEVRES**
[72] KITCHNER, ANDREW, GB
[72] CARR, DENIS, GB
[71] DIET SHIELD LTD, GB
[85] 2022-07-06
[86] 2021-01-08 (PCT/GB2021/050050)
[87] (WO2021/140340)
[30] GB (2000396.8) 2020-01-10
[30] GB (2000397.6) 2020-01-10

[21] **3,167,062**
[13] A1
[51] **Int.Cl. A61K 47/60 (2017.01) A61K 38/18 (2006.01) A61K 47/18 (2017.01) A61P 3/00 (2006.01)**
[25] EN
[54] **FGF-21 CONJUGATE FORMULATIONS**
[54] **FORMULATIONS DE CONJUGUES DE FGF-21**
[72] PALM, THOMAS, US
[72] KHOSSRAVI, MEHRNAZ, US
[72] PATKE, SANKET, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2022-07-06
[86] 2021-01-07 (PCT/US2021/012530)
[87] (WO2021/142143)
[30] US (62/958,580) 2020-01-08

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] **3,158,804**
[13] A1
[51] **Int.Cl. F02D 41/18 (2006.01) F02D 41/28 (2006.01) F02M 35/024 (2006.01) F02M 35/10 (2006.01)**
[25] EN
[54] **INTAKE ADAPTION SYSTEM**
[54] **SYSTEME D'ADAPTATION DE L'ADMISSION**
[72] BANKS, GALE C., III, US
[71] BANKS, GALE C., III, US
[22] 2022-05-13
[41] 2022-07-08
[30] US (17/321,427) 2021-05-15

[21] **3,159,584**
[13] A1
[25] EN
[54] **PREDICTION OF SLEEP PARAMETER AND RESPONSE TO SLEEP-INDUCING COMPOUND BASED ON PER3 VNTR GENOTYPE**
[54] **PREVISION D'UN PARAMETRE DU SOMMEIL ET DE LA REPONSE A UN COMPOSE INDUISANT LE SOMMEIL A BASE DU GENOTYPE DU MINISATELLITE (VNTR) PER3**
[72] LAVEDAN, CHRISTIAN, US
[72] POLYMEROPOULOS, MIHAEL H., US
[72] BIRZNIEKS, GUNTHER, US
[71] VANDA PHARMACEUTICALS INC., US
[22] 2008-09-12
[41] 2009-03-19
[62] 2,698,540
[30] US (60/972,196) 2007-09-13

[21] **3,165,936**
[13] A1
[51] **Int.Cl. A61B 90/00 (2016.01) A61B 34/10 (2016.01) A61B 17/15 (2006.01) A61B 17/17 (2006.01) A61B 17/90 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR USE IN THE PRODUCTION OF A SURGICAL GUIDE**
[54] **PROCEDE ET APPAREIL DESTINES A ETRE UTILISES DANS LA PRODUCTION D'UN GUIDE CHIRURGICAL**
[72] DARWOOD, ALASTAIR, GB
[71] PROMETHEUS SURGICAL LIMITED, GB
[22] 2014-11-05
[41] 2015-05-28
[62] 2,931,344
[30] GB (1320745.1) 2013-11-25

[21] **3,166,268**
[13] A1
[25] EN
[54] **MICROCURRENT DEVICE AND METHOD FOR THE TREATMENT OF VISUAL DISEASE**
[54] **DISPOSITIF DE MICRO-COURANTS ET PROCEDE SERVANT AU TRAITEMENT D'UNE AFFECTION VISUELLE**
[72] O'CLOCK, GEORGE D., US
[71] NOVA OCULUS CANADA MANUFACTURING ULC, CA
[22] 2017-03-15
[41] 2017-09-21
[62] 3,015,674
[30] US (15/071,912) 2016-03-16

[21] **3,166,278**
[13] A1
[51] **Int.Cl. C12N 7/01 (2006.01) C07K 14/045 (2006.01) C07K 14/15 (2006.01) C07K 19/00 (2006.01) C12N 7/04 (2006.01) C12N 15/38 (2006.01) C12N 15/48 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF CYTOMEGALOVIRUS**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT D'INFECTIONS PAR CYTOMEGALOVIRUS**
[72] ANDERSON, DAVID E., US
[72] FLUCKIGER, ANNE-CATHERINE, FR
[72] KLATZMANN, DAVID, FR
[72] FRIBERT, CHARLOTTE, SE
[71] VARIATION BIOTECHNOLOGIES INC., CA
[71] SORBONNE UNIVERSITE, FR
[22] 2012-11-09
[41] 2013-05-16
[62] 2,889,659
[30] US (61/558,800) 2011-11-11
[30] US (61/654,157) 2012-06-01

[21] **3,166,284**
[13] A1
[51] **Int.Cl. G10L 19/022 (2013.01)**
[25] EN
[54] **IMPROVED SUBBAND BLOCK BASED HARMONIC TRANSPOSITION**
[54] **TRANSPOSITION AMELIOREE D'HARMONIQUE FONDEE SUR UN BLOC DE SOUS-BANDE**
[72] VILLEMOES, LARS, SE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2011-01-05
[41] 2011-07-28
[62] 3,107,943
[30] US (61/296241) 2010-01-19
[30] US (61/331545) 2010-05-05

[21] **3,166,548**
[13] A1
[25] EN
[54] **BROADCASTING SIGNAL TRANSMITTING APPARATUS, BROADCASTING SIGNAL RECEIVING APPARATUS, BROADCASTING SIGNAL TRANSMITTING METHOD, AND BROADCASTING SIGNAL RECEIVING METHOD**
[54]
[72] YANG, SEUNGRYUL, KR
[72] MOON, KYOUNGSOO, KR
[72] KO, WOOSUK, KR
[72] HONG, SUNGRYONG, KR
[71] LG ELECTRONICS INC., KR
[22] 2016-05-25
[41] 2016-12-01
[62] 3,078,377
[30] US (62/166,156) 2015-05-26
[30] US (62/167,286) 2015-05-28
[30] US (62/169,556) 2015-06-02
[30] US (62/170,145) 2015-06-03
[30] US (62/180,065) 2015-06-16

---

[21] **3,166,559**
[13] A1
[51] **Int.Cl. A61F 5/455 (2006.01) A61F 5/44 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR RECEIVING DISCHARGED URINE**
[54] **APPAREIL ET PROCEDES POUR RECEVOIR DE L'URINE EVACUEE**
[72] NEWTON, CAMILLE ROSE, US
[72] NEWTON, RAYMOND J., US
[71] PUREWICK CORPORATION, US
[22] 2017-07-20
[41] 2018-02-01
[62] 3,031,934
[30] US (15/221,106) 2016-07-27
[30] US (15/238,427) 2016-08-16
[30] US (15/612,325) 2017-06-02

---

[21] **3,166,570**
[13] A1
[25] EN
[54] **A METHOD AND SYSTEM FOR CODIFICATION, TRACKING, AND USE OF INFORMED CONSENT DATA FOR HUMAN SPECIMEN RESEARCH**
[54] **PROCEDE ET SYSTEME DE CODIFICATION, DE SUIVI ET D'UTILISATION DE DONNEES DE CONSENTEMENT ECLAIRE POUR UNE RECHERCHE DE SPECIMEN HUMAIN**
[72] WARNER, AMELIA WALL, US
[72] COLLINS, MARK ANTHONY, US
[71] GLOBAL SPECIMEN SOLUTIONS, INC., US
[22] 2016-11-18
[41] 2017-05-26
[62] 3,004,479
[30] US (62/256,756) 2015-11-18

---

[21] **3,166,668**
[13] A1
[51] **Int.Cl. G01S 5/00 (2006.01) G01P 15/16 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OBJECT TRACKING ANTI-JITTER FILTERING**
[54] **SYSTEME ET PROCEDE POUR FILTRAGE ANTI-GIGUE DE SUIVI D'OBJET**
[72] DEANGELIS, DOUGLAS J., US
[72] REILLY, GERARD M., US
[72] SIGEL, KIRK M., US
[72] EVANSEN, EDWARD G., US
[71] ISOLYNX, LLC, US
[22] 2013-11-12
[41] 2014-05-15
[62] 2,939,403
[30] US (13/674,747) 2012-11-12

---

[21] **3,166,669**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR MESSAGE EDITING**
[54] **SYSTEMES ET PROCEDES D'EDITION DE MESSAGES**
[72] HRISTMAS, COY, US
[72] MALPASS, LUKE, GB
[71] FASETTO, LLC, US
[22] 2015-07-09
[41] 2016-01-14
[62] 2,954,650
[30] US (62/023,059) 2014-07-10

---

[21] **3,166,683**
[13] A1
[25] EN
[54] **CAPILLARY WIPER**
[54] **BALAI CAPILLAIRE**
[72] YOUNG, CHUNG CHANG, US
[72] SCOTT, JONATHAN, US
[72] DELLEMONACHE, MAURO, US
[71] NOVA BIOMEDICAL CORPORATION, US
[22] 2018-07-31
[41] 2019-02-07
[62] 3,070,982
[30] US (15/665,693) 2017-08-01

---

[21] **3,166,727**
[13] A1
[51] **Int.Cl. B60K 11/00 (2006.01) B60F 5/00 (2006.01) B60K 17/00 (2006.01)**
[25] EN
[54] **ALL-TERRAIN VEHICLE**
[54] **VEHICULE TOUT TERRAIN**
[72] PETERSON, AMANDA S., US
[72] DANIELSON, RONNIE R., US
[72] MAJER, KENDALL C., US
[72] FISCHER, BURTON D., US
[72] HAUGEN, RYAN L., US
[72] BLUMER, TODD M., US
[72] WILCOX, STEVEN D., US
[72] RODRIGUEZ, WILLIAM B., US
[72] EICHENBERGER, JEREMY, US
[71] POLARIS INDUSTRIES INC., US
[22] 2015-09-03
[41] 2016-12-25
[62] 2,903,511
[30] US (14/751114) 2015-06-25

[21] **3,166,758**
[13] A1
[25] EN
[54] **METHOD OF DELIVERING THERAPEUTICS AND IMAGING AGENTS TO THE BRAIN BY NANOPARTICLES THAT CROSS THE BLOOD BRAIN BARRIER**
[54] **METHODE D'ADMINISTRATION DE COMPOSES THERAPEUTIQUES ET D'AGENTS D'IMAGERIE PAR LE BIAIS DE NANOPARTICULES TRAVERSANT LA BARRIERE HEMATO-ENCEPHALIQUE**
[72] DAVIS, MARK E., US
[72] WILEY, DEVIN, US
[72] CLARK, ANDREW, US
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
[22] 2014-05-14
[41] 2014-11-20
[62] 2,911,344
[30] US (61/822,983) 2013-05-14

---

[21] **3,166,763**
[13] A1
[51] **Int.Cl. A01B 33/14 (2006.01)**
[25] EN
[54] **ROTOR SHAFT FOR USE IN AN AERATING DEVICE**
[54] **ARBRE DE ROTOR POUR L'UTILISATION DANS UN DISPOSITIF D'AERATION**
[72] BOS, ANTON CORNELIS, NL
[71] REDEXIM HANDEL - EN EXPLOITATIE MIJ. B.V., NL
[22] 2013-10-25
[41] 2014-05-08
[62] 2,888,792
[30] NL (2009729) 2012-10-30

---

[21] **3,166,772**
[13] A1
[25] EN
[54] **ANTI-C5 ANTIBODIES HAVING IMPROVED PHARMACOKINETICS**
[54] **ANTICORPS ANTI-C5 PRESENTANT UNE PHARMACOCINETIQUE AMELIOREE**
[72] ANDRIEN, BRUCE, A., JR., US
[72] SHERIDAN, DOUGLAS, L., US
[72] TAMBURINI, PAUL, P., US
[71] ALEXION PHARMACEUTICALS, INC., US
[22] 2015-03-06
[41] 2015-09-11
[62] 2,942,165
[30] US (61/949,932) 2014-03-07

---

[21] **3,166,780**
[13] A1
[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **PORTION CAPSULE AND METHOD FOR PRODUCING A BEVERAGE BY MEANS OF A PORTION CAPSULE**
[54] **DOSETTE ET PROCEDE DE PREPARATION D'UNE BOISSON AU MOYEN D'UNE DOSETTE**
[72] EMPL, GUNTER, DE
[71] K-FEE SYSTEM GMBH, DE
[22] 2013-06-18
[41] 2013-12-27
[62] 2,989,856
[30] DE (10 2012 105 282.4) 2012-06-18

---

[21] **3,166,798**
[13] A1
[51] **Int.Cl. B60S 9/04 (2006.01)**
[25] EN
[54] **TRAILER STABILIZATION AND RESTRAINT**
[54] **DISPOSITIF DE STABILISATION ET DE RETENUE DE REMORQUE**
[72] KIMENER, THOMAS TERRENCE, US
[71] STABILOCK, LLC, US
[22] 2015-06-30
[41] 2016-01-01
[62] 3,082,649
[30] US (62/019,626) 2014-07-01

---

[21] **3,166,827**
[13] A1
[25] EN
[54] **DEVELOPER SUPPLY CONTAINER AND DEVELOPER SUPPLYING SYSTEM**
[54] **CONTENANT DE REAPPROVISIONNEMENT DE DEVELOPPATEUR ET SYSTEME DE REAPPROVISIONNEMENT DE DEVELOPPATEUR**
[72] GAMO, YOHEI, JP
[72] MINE, TSUKASA, JP
[72] KAMURA, AKIHITO, JP
[72] KATAYAMA, KOJI, JP
[72] YAMAOKA, MASATO, JP
[72] OIZUMI, YUSUKE, JP
[72] JIMBA, MANABU, JP
[72] OKINO, AYATOMO, JP
[72] YOMODA, NOBUYUKI, JP
[72] ISOBE, KEISUKE, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2018-09-21
[41] 2019-03-28
[62] 3,076,609
[30] JP (2017-181802) 2017-09-21

---

[21] **3,166,856**
[13] A1
[51] **Int.Cl. B60F 5/00 (2006.01) B60K 11/08 (2006.01) B60K 17/00 (2006.01)**
[25] EN
[54] **ALL-TERRAIN VEHICLE**
[54] **VEHICULE TOUT TERRAIN**
[72] PETERSON, AMANDA S., US
[72] DANIELSON, RONNIE R., US
[72] MAJER, KENDALL C., US
[72] FISCHER, BURTON D., US
[72] HAUGEN, RYAN L., US
[72] BLUMER, TODD M., US
[72] WILCOX, STEVEN D., US
[72] RODRIGUEZ, WILLIAM B., US
[72] EICHENBERGER, JEREMY, US
[71] POLARIS INDUSTRIES INC., US
[22] 2015-09-03
[41] 2016-12-25
[62] 2,903,511
[30] US (14/751114) 2015-06-25

[21] **3,166,864**
[13] A1
[25] EN
[54] **OPEN TICKET PAYMENT HANDLING WITH OFFLINE MODE**
[54] **GESTION DE PAIEMENT DE BILLET OUVERT AVEC MODE HORS LIGNE**
[72] RENKE, CHRISTOPHER PHILIP, US
[72] WHITE, MICHAEL WELLS, US
[72] MULLER, ERIC DICKESON, US
[72] WILSON, MATHEW, US
[71] BLOCK, INC., US
[22] 2016-04-13
[41] 2016-10-20
[62] 2,982,755
[30] US (14/686,381) 2015-04-14

---

[21] **3,166,875**
[13] A1
[51] **Int.Cl. A61B 90/70 (2016.01) A61M 25/00 (2006.01) A61M 27/00 (2006.01) B08B 9/043 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES TO CLEAR OBSTRUCTIONS FROM MEDICAL TUBES**
[54] **PROCEDES ET DISPOSITIFS DESTINES A L'ELIMINATION D'OBSTRUCTIONS DE TUBULLURES MEDICALES**
[72] BOYLE, EDWARD M., JR., US
[72] COHN, WILLIAM E., US
[72] DALE, NATHAN J., US
[72] GILLINOV, ALAN MARC, US
[72] KIDERMAN, SAM, US
[72] LEONARD, PAUL C., US
[71] THE CLEVELAND CLINIC FOUNDATION, US
[71] CLEARFLOW, INC., US
[22] 2009-01-26
[41] 2009-10-01
[62] 3,051,894
[30] US (61/023,829) 2008-01-25
[30] US (61/189,850) 2008-08-22

---

[21] **3,166,900**
[13] A1
[25] EN
[54] **SYSTEMS AND METHOD FOR FABRICATING VARIABLE DIGITAL OPTICAL IMAGES USING GENERIC OPTICAL MATRICES**
[54] **SYSTEMES ET METHODE DE FABRICATION D'IMAGES OPTIQUES NUMERIQUES VARIABLES AU MOYEN DE MATRICES OPTIQUES GENERIQUES**
[72] LIEBERMAN, DANIEL, US
[72] LIEBERMAN, OR, US
[72] LIEBERMAN, RAMI, US
[71] NANOGRAFIX CORPORATION, US
[22] 2016-02-09
[41] 2016-07-07
[62] 3,034,359
[30] US (62/114018) 2015-02-09
[30] US (62/114014) 2015-02-09
[30] US (62/114012) 2015-02-09
[30] US (14/634648) 2015-02-27
[30] US (14/634671) 2015-02-27
[30] US (14/634663) 2015-02-27
[30] US (14/876680) 2015-10-06
[30] US (14/930494) 2015-11-02

---

[21] **3,166,906**
[13] A1
[51] **Int.Cl. B29C 63/02 (2006.01) E02D 29/14 (2006.01)**
[25] EN
[54] **MANHOLE BASE LINER AND METHOD FOR MANUFACTURING A MANHOLE BASE LINER**
[54] **REVETEMENT DE BASE DE TROU D'HOMME ET METHODE DE FABRICATION D'UN REVETEMENT DE BASE DE TROU D'HOMME**
[72] PREDL, MANFRED, DE
[71] PREDL GMBH, DE
[22] 2017-12-06
[41] 2018-09-30
[62] 2,987,727
[30] AT (A 50257/2017) 2017-03-31

---

[21] **3,166,943**
[13] A1
[25] EN
[54] **LUMINAIRE WITH LONG CHAINS OF LOW POWER LEDS AND MULTIPLE ON-BOARD LED DRIVERS**
[54] **LUMINAIRE A CHAINES LONGUES DE DIODES ELECTROLUMINESCENTES DE FAIBLE PUISSANCE ET PLUSIEURS PILOTES DE DIODE ELECTROLUMINESCENTE EMBARQUES**
[72] SCHUBERT, TRAVIS MEYERS, US
[72] HUTCHENS, DANIEL, US
[72] WRIGHT, TRAVIS MONTGOMERY, US
[72] BOYER, JOHN D., US
[71] LSI INDUSTRIES, INC., US
[22] 2015-06-22
[41] 2016-03-08
[62] 2,895,101
[30] US (14/480,434) 2014-09-08

---

[21] **3,166,999**
[13] A1
[25] EN
[54] **SUPPORT APPARATUS USABLE WITH ELECTRICAL ENCLOSURE**
[54] **APPAREIL DE SUPPORT UTILISABLE AVEC UNE ENCEINTE ELECTRIQUE**
[72] LAGREE, JAMES L., US
[72] TERHORST, BRUCE R., US
[72] HYMEL, JON, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2014-05-14
[41] 2014-11-30
[62] 2,851,736
[30] US (13/905,424) 2013-05-30

[21] **3,167,001**
[13] A1
[25] EN
[54] **PREDICTIVE ENCODING METHOD, PREDICTIVE ENCODING DEVICE, AND PREDICTIVE ENCODING PROGRAM OF MOTION VECTOR, AND, PREDICTIVE DECODING METHOD, PREDICTIVE DECODING DEVICE, AND PREDICTIVE DECODING PROGRAM OF MOTION VECTOR**
[54] **PROCEDE DE CODAGE DE PREDICTION, DISPOSITIF DE CODAGE DE PREDICTION ET PROGRAMME DE CODAGE DE PREDICTION, AINSI QUE PROCEDE DE DECODAGE DE PREDICTION, DISPOSITIF DE DECODAGE DE PR EDICTION ET PROGRAMME DE DECODAGE DE PREDICTION POUR VECTEUR DE MOUVEMENT**
[72] FUJIBAYASHI, AKIRA, JP
[72] SUZUKI, YOSHINORI, JP
[72] BOON, CHOONG SENG, JP
[71] NTT DOCOMO, INC., JP
[22] 2011-12-20
[41] 2012-07-12
[62] 3,079,646
[30] JP (2011-002205) 2011-01-07

---

[21] **3,167,006**
[13] A1
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DELIVERY OF CARBON DIOXIDE**
[54] **COMPOSITIONS ET METHODES D'APPORT DE DIOXYDE DE CARBONE**
[72] FORGERON, DEAN PAUL, CA
[72] BROWN, JOSHUA JEREMY, CA
[72] MONKMAN, GEORGE SEAN, CA
[72] SANDBERG, PAUL J., US
[71] CARBONCURE TECHNOLOGIES INC., CA
[22] 2015-03-09
[41] 2015-10-15
[62] 2,945,060
[30] US (14/249,308) 2014-04-09
[30] US (61/992,089) 2014-05-12
[30] CA (PCT/CA2014/050611) 2014-06-25
[30] US (62/083,784) 2014-11-24
[30] US (62/086,024) 2014-12-01
[30] US (62/096,018) 2014-12-23

---

[21] **3,167,018**
[13] A1
[25] EN
[54] **TELESCOPING PANELS SUITABLE FOR MOTOR CONTROL CENTER UNITS**
[54] **PANNEAUX TELESCOPIQUES APPROPRIES POUR UNITES DE CENTRE DE COMMANDE DE MOTEUR**
[72] ONEUFER, STEPHEN WILLIAM, US
[72] MORRIS, ROBERT ALLAN, US
[72] KROUSHL, DANIEL BOYD, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2015-06-09
[41] 2016-01-07
[62] 2,947,521
[30] US (14/318,971) 2014-06-30
[30] US (14/600,616) 2015-01-20

---

[21] **3,167,035**
[13] A1
[51] **Int.Cl. E02F 3/30 (2006.01) E02F 3/38 (2006.01) E21C 27/00 (2006.01) E21C 35/00 (2006.01)**
[25] EN
[54] **BOOM AND DIPPER HANDLE ASSEMBLY FOR AN INDUSTRIAL MACHINE**
[54] **ENSEMBLE DE BALAI ET POIGNEE DE GODET POUR UNE MACHINE INDUSTRIELLE**
[72] HREN, WILLIAM, US
[71] JOY GLOBAL SURFACE MINING INC, US
[22] 2013-03-27
[41] 2013-10-02
[62] 3,077,808
[30] US (61/619,361) 2012-04-02
[30] US (13/831,295) 2013-03-14

---

[21] **3,167,037**
[13] A1
[25] EN
[54] **MODULATING AGONISTIC TNFR ANTIBODIES**
[54] **MODULATION D'ANTICORPS AGONISTES ANTI-TNFR**
[72] RAVETCH, JEFFREY V., US
[72] LI, FUBIN, US
[71] THE ROCKEFELLER UNIVERSITY, US
[22] 2011-12-19
[41] 2012-06-28
[62] 2,824,278
[30] US (61/424,996) 2010-12-20

---

[21] **3,167,038**
[13] A1
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DAWSON, KARL W., CA
[71] SIXRING INC., CA
[22] 2021-02-26
[41] 2021-08-28
[62] 3,110,553
[30] CA (3,074,199) 2020-02-28

---

[21] **3,167,044**
[13] A1
[51] **Int.Cl. D21C 3/06 (2006.01) C01B 17/69 (2006.01) C02F 1/72 (2006.01) C13K 1/02 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DAWSON, KARL W., CA
[71] SIXRING INC., CA
[22] 2021-02-26
[41] 2021-08-28
[62] 3,110,555
[30] CA (3,074,194) 2020-02-28

---

[21] **3,167,051**
[13] A1
[51] **Int.Cl. E21B 29/02 (2006.01) E21B 36/00 (2006.01) E21B 37/00 (2006.01)**
[25] EN
[54] **WELL CASING/TUBING DISPOSAL**
[54] **MISE AU REBUT DE TUBAGE DE PUITS**
[72] CARRAGHER, PAUL, GB
[71] BISN TEC LTD, GB
[22] 2015-04-02
[41] 2015-10-08
[62] 2,977,599
[30] GB (1406071.9) 2014-04-04

Index of Canadian Patents Issued

August 16, 2022

Index des brevets canadiens délivrés

16 août 2022

Index of Canadian Patents Issued
August 16, 2022

Index des brevets canadiens délivrés
16 août 2022

Index of Canadian Patents Issued
August 16, 2022

Index des brevets canadiens délivrés
16 août 2022

Index of Canadian Patents Issued
August 16, 2022

Index des brevets canadiens délivrés
16 août 2022

Index of Canadian Patents Issued
August 16, 2022

Index des brevets canadiens délivrés
16 août 2022

Index of Canadian Patents Issued
August 16, 2022

Index des brevets canadiens délivrés
16 août 2022

Index of Canadian Patents Issued
August 16, 2022

Index des brevets canadiens délivrés
16 août 2022

Index of Canadian Applications Open to Public Inspection

July 31, 2022 to August 6, 2022

Index des demandes canadiennes mises à la disponibilité du public

31 juillet 2022 au 6 août 2022

Index of Canadian Applications Open to Public Inspection
July 31, 2022 to August 6, 2022

Index des demandes canadiennes mises à la disponibilité du public
31 juillet 2022 au 6 août 2022

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 of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

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 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

YOUNG, CHUNG CHANG	3,166,683